



*Aggregate Facility Study
SPP-2007-AG1-AFS-4
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), 2559 MW of long-term transmission service requests have been restudied in this Aggregate Facility Study (AFS). The first phase of the AFS consisted of a revision of the impact study to reflect the withdrawal of requests for which an Aggregate Facility Study Agreement was not executed. The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. Further, Attachment Z provides for facility upgrade cost recovery by stating that “[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated.”

The total assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is \$169 Million. Additionally an indeterminate amount of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is \$647 Million. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. AFS data table 3 reflects the allocation of upgrade costs to each request without potential base plan funding based on either the requested reservation period or the deferred reservation period if applicable. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$188 Million.

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

The Transmission Provider will tender a Letter of Intent on August 30th, 2007. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by September 14th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

If customers withdraw from the ATSS after posting of this AFS, the AFS will be re-performed to determine final cost allocation and Available Transmission Capability (ATC) in consideration of the remaining ATSS participants. All allocated revenue requirements for facility upgrades are assigned to the customer in the AFS data tables. Potential base plan funding allowable is contingent upon validation of designated resources meeting Attachment J, Section III B criteria.

2. Introduction

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. In compliance with this Order, the first open season of 2007 commenced on October 1, 2006. All requests for long-term transmission service received prior to February 1, 2007 with a signed study agreement were then included in this first Aggregate Transmission Service Study (ATSS) of 2007.

Approximately 2559 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$169 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 7. 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. Table 7 (if applicable) lists deferment of expansion plan projects with different upgrades with the new required in service date as a result of this AFS.

A. Financial Analysis

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

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

In the event that the engineering and construction of a previously assigned Network Upgrade may be expedited, with no additional upgrades, to accommodate a new request for Transmission Service, then the levelized present worth of only the incremental expenses through the reservation period of the new request, excluding depreciation, shall be assigned to the new request. These incremental expenses, excluding depreciation, include 1) the levelized difference in present worth of the engineering and construction expenses given the change in date to complete construction to account for additional interest expense and reduced engineering and construction expense due to inflation, 2) the

levelized present worth of all expediting fees, and 3) the levelized present worth of the incremental annual carrying charges, excluding depreciation and interest, during the new reservation period taking into account both a) the reservation in which the project was originally assigned, and b) a reservation, if any, in which the project was previously expedited.

Achievable Base Plan Avoided Revenue Requirements in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.B methodology. A deferred Base Plan upgrade being defined as a different requested network upgrade needed at an earlier date that negates the need for the initial base plan upgrade within the planning horizon. A displaced Base Plan upgrade being defined as the same network upgrade being displaced by a requested upgrade needed at an earlier date. Assumption of a 40 year service life is utilized for Base Plan funded projects unless provided otherwise by the Transmission Owner. A present worth analysis of revenue requirements on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan revenue requirements due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The difference in present worth between the Base Plan and Requested Upgrades is assigned to the transmission requests impacting this upgrade based on the displacement or deferral.

B. Third-Party Facilities

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are indeterminate. The Transmission Provider will undertake reasonable efforts to assist the

Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade engineering and construction cost estimates are not utilized to determine the present worth value of levelized revenue requirements for SPP system network upgrades.

All modeled facilities within the Transmission Provider system were monitored during the development of this Study as well as certain facilities in first-tier neighboring systems. Third-party facilities must be upgraded when it is determined that they are overloaded while accommodating the requested Transmission Service. An agreement between the Customer and 3rd Party Owner detailing the mitigation of the 3rd party impact must be provided to the Transmission Provider prior to tendering of a Transmission Service Agreement. These facilities also include those owned by members of the Transmission Provider who have not placed their facilities under the Transmission Provider's OATT. Upgrades on the Southwest Power Administration network requires prepayment of the upgrade cost prior to construction of the upgrade.

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

3. Study Methodology

A. Description

The system impact analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier Non - SPP control area systems. The steady-state analysis was done to ensure current SPP Criteria and NERC Reliability Standards requirements are fulfilled. The Southwest Power Pool conforms to the NERC Reliability Standards, which provide the strictest requirements, related to voltage violations and

thermal overloads during normal conditions and during a contingency. It requires that all facilities be within normal operating ratings for normal system conditions and within emergency ratings after a contingency. Normal operating ratings and emergency operating ratings monitored are Rate A and B in the SPP MDWG models, respectively. The upper bound and lower bound of the normal voltage range monitored is 110% and 90%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. Transmission Owner voltage monitoring criteria is used if more restrictive. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations. The WERE Wolf Creek 345 kV bus voltage is monitored at 98.5% due to transmission operating procedure.

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 thirteen seasonal models to study the aggregate transfers of 2559 MW over a variety of requested service periods. The SPP MDWG 2007 Series Cases Update 2 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 April (08AP), 2008 Spring Peak (08G), 2008 Summer Peak (08SP), 2008 Summer Shoulder (08SH), 2008 Fall Peak (08FA), 2008/09 Winter Peak (08WP), 2009 Summer Peak (09SP), 2009/10 Winter Peak (09WP), 2012 Summer Peak (12SP), 2012/13 Winter Peak (12WP), and 2017 Summer Peak (17SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 2559 MW in order to minimize counter flows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the thirteen seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2007 Series Cases flowing in a West to East direction with ERCOTN HVDC Tie South to North, ERCOTE HVDC Tie East to West, SPS exporting, and SPS importing from the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2007 Series Cases flowing in an East to West direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2007 Series Cases flowing in a South to North direction with ERCOTN HVDC tie South to North, ERCOTE HVDC tie East to West, SPS exporting, and SPS exporting to the Lamar HVDC Tie. Scenario 4 includes transmission

requests not already included in the SPP 2007 Series Cases flowing in a North to South direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS importing from the Lamar HVDC tie. Scenario 5 include all transmission not already included in the SPP 2007 Series Cases with ERCOTN North to South, ERCOTE East to West, SPS importing, and SPS exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transmission Request Modeling

Network Integration Transmission Service requests are modeled as Generation to Load transfers. The Generation to Load modeling is accomplished by developing a pre-transfer case by redispatching the existing designated network resource(s) down by the new designated network resource request amount and scaling down the applicable network load by the same amount proportionally. The post-transfer case for comparison is developed by scaling the network load back to the forecasted amount and dispatching the new designated network resource being requested. Network Integration Transmission Service requests are modeled as Generation to Load transfers because the requested Network Integration Transmission Service is a request to serve network load with the new designated network resource and the impacts on transmission system are determined accordingly. If the Network Integration Transmission Service request application clearly documents that the existing designated network resource(s) is being replaced or undesignated by the new designated network resource then MW impact credits will be given to the request as is done for a redirect of existing transmission service. Point-To-Point Transmission Service requests are modeled as Generation to Generation transfers. The Generation to Generation transfers are accomplished by developing a post-transfer case for comparison by dispatching the request source and redispatching the request sink.

D. 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) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

E. 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 interim 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. Curtailment of existing confirmed service is evaluated to provide only interim service. Curtailment of existing confirmed service is only evaluated at the request of the transmission customer.

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). Relief pairs from the generation shift factors for the incremental and decremental units with a greater than 3% TDF on the limiting constraint were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. If the aggregate redispatch amount for the potential relief pair was determined to be three times greater than the lower of the increment or decrement then the pair was determined not to be feasible and is not included. If transmission customer would like to see additional relief pairs beyond the relief pairs determined, the transmission customer can request SPP to provide the additional pairs. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the AFS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (based on customer selection of redispatch if available), the minimum annual allocated ATC without

upgrades and season of first impact. Table 2 identifies total E & C cost allocated to each Transmission Customer, letter of credit requirements, third party E & C cost assignments, potential base plan E & C funding (lower of allocated E & C or Attachment J Section III B criteria) , total revenue requirements for assigned upgrades without consideration of potential base plan funding, point-to-point base rate charge, total revenue requirements for assigned upgrades with consideration of potential base plan funding, and final total cost allocation to the Transmission Customer. Table 3 provides additional details for each request including all assigned facility upgrades required, allocated E & C costs, allocated revenue requirements for upgrades, upgrades not assigned to customer but required for service to be confirmed, credits to be paid for previously assigned AFS facility upgrades, and any third party upgrades required. Table 4 lists all upgrade requirements with associated solutions needed to provide transmission service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service. Table 7 (if applicable) identifies deferred expansion plan projects that were replaced with requested upgrades at earlier dates.

The potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J. If the additional capacity of the new or changed designated resource exceeds the 125% resource to load forecast for the year of start of service, the requested resource is not eligible for base plan funding of required network upgrades and the full cost of the upgrades is assignable to the customer. If the 5 year term and 125% resource to load criteria are met, the lesser of the planned

maximum net dependable capacity (NDC) or the requested capacity is multiplied by \$180,000 to determine the potential base plan funding allowable. When calculating Base Plan Funding amounts that include a wind farm, the amount used is 10% of the requested amount of service, or the NDC. The Maximum Potential Base Plan Funding Allowable may be less than the potential base plan funding allowable due to the E & C Cost allocated to the customer being lower than the potential amount allowable to the customer. The customer is responsible for any assigned upgrade costs in excess of Potential Base Plan Engineering and Construction Funding Allowable.

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

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

Example A:

E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 47 million with the difference of 27 million E & C assignable to the customer. If the revenue requirements for the assignable portion is 54 million and the PTP base rate is 101 million, the customer will pay the higher “OR” pricing of 101 million base rate of which 54 million revenue requirements will be paid back to the Transmission Owners for the upgrades and the

remaining revenue requirements of (140-54) or 86 million will be paid by base plan funding.

Example B:

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

Example C:

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

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

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

B. Study Definitions

The Commercial Operation Date (COD) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated without upgrading facilities. Annual ATC allocated to the Transmission Customer is determined by the least amount of allocated seasonal ATC within each year of a reservation period.

5. Conclusion

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

The Transmission Provider will tender a Letter of Intent on July 23rd, 2007. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by August 8th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated Engineering and Construction costs assigned to the Customer. This letter of credit is not required for those facilities that are base plan funded. 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 - 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. Exclcd 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 - 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 without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
EDE	AG1-2007-051	1222640	WPEK	EDE	100	11/1/2008	11/1/2028	6/1/2012	6/1/2032	11/1/2008	11/1/2028	0	08WP
GSEC	AG1-2007-062	1223071	SECI	SPS	400	1/1/2012	1/1/2042	6/1/2012	6/1/2042			0	12SP
INDP	AG1-2007-045	1221966	OPPD	INDN	6	6/1/2009	6/1/2034	6/1/2012	6/1/2037			0	09SP
KBPU	AG1-2007-043D	1221923	SPA	KACY	39	7/1/2010	7/1/2020	6/1/2012	6/1/2022			0	12SP
KBPU	AG1-2007-044D	1221925	WR	KACY	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032			0	08FA
KCPS	AG1-2007-080	1223159	KCPL	EES	52	6/1/2007	6/1/2012	12/1/2007	12/1/2012	12/1/2007	12/1/2012	0	07SP
KCPS	AG1-2007-080	1223160	KCPL	EES	1	6/1/2007	6/1/2008	10/1/2007	10/1/2008			1	N/A
KCPS	AG1-2007-081	1223161	KCPL	SPA	15	1/1/2008	1/1/2009	1/1/2008	1/1/2009	1/1/2008	1/1/2009	0	08SP
KMEA	AG1-2007-007	1218859	GRDA	WR	1	5/1/2010	5/1/2026	6/1/2012	6/1/2028			0	12SP
KPP	AG1-2007-052	1222644	WR	WR	333	6/1/2007	6/1/2017	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	09SP
KPP	AG1-2007-054	1222904	WPEK	WPEK	3	6/1/2007	6/1/2017	12/1/2007	12/1/2017			0	08SP
KPP	AG1-2007-055	1222932	WR	WR	45	6/1/2007	6/1/2027	6/1/2012	6/1/2032	6/1/2010	6/1/2030	0	08SP
KPP	AG1-2007-056	1222937	WR	WPEK	5	6/1/2007	6/1/2027	6/1/2012	6/1/2032	12/1/2007	12/1/2027	0	07FA
KPP	AG1-2007-057	1222943	GRDA	WR	18	6/1/2009	6/1/2026	6/1/2010	6/1/2027	6/1/2010	6/1/2027	0	09SP
KPP	AG1-2007-058	1222955	WR	WR	20	6/1/2007	6/1/2017	6/1/2010	6/1/2020	6/1/2010	6/1/2020	0	09SP
KPP	AG1-2007-064	1223078	WPEK	WPEK	15	6/1/2007	6/1/2017	12/1/2007	12/1/2017			0	08SP
MIDW	AG1-2007-050	1222340	SECI	WR	75	1/1/2012	1/1/2042	1/1/2012	1/1/2042			0	12SP
SEPC	AG1-2007-063	1223075	SECI	WPEK	85	1/1/2012	1/1/2043	1/1/2012	1/1/2043			0	12SP
SEPC	AG1-2007-063	1223077	SECI	WPEK	40	1/1/2012	1/1/2043	1/1/2012	1/1/2043			0	12SP
SEPC	AG1-2007-065	1223079	SECI	LAM345	100	1/1/2012	1/1/2043	1/1/2012	1/1/2043			0	12SP
SPRM	AG1-2007-042	1220082	SPA	SPA	275	10/1/2010	10/1/2050	10/1/2010	10/1/2050			0	12SP
UCU	AG1-2007-025D	1214263	MPS	WR	1	6/1/2007	6/1/2012	10/1/2009	10/1/2014	12/1/2007	12/1/2012	0	08SP
UCU	AG1-2007-023D	1214269	MPS	KCPL	2	6/1/2007	6/1/2012	10/1/2009	10/1/2014	12/1/2007	12/1/2012	0	08SP
UCU	AG1-2007-060D	1223092	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	1/1/2010	1/1/2030	0	09SP
UCU	AG1-2007-060D	1223093	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	1/1/2010	1/1/2030	0	09SP
UCU	AG1-2007-060D	1223094	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	1/1/2010	1/1/2030	0	09SP
UCU	AG1-2007-060D	1223095	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	1/1/2010	1/1/2030	0	09SP
UCU	AG1-2007-092	1223102	MPS	MPS	315	5/1/2010	5/1/2030	6/1/2012	6/1/2032			0	12SP
WFEC	AG1-2007-014	1217632	WFEC	WFEC	150	1/1/2011	1/1/2036	1/1/2011	1/1/2036			0	12SP
WRGS	AG1-2007-001D	1197077	EDE	WR	32	9/1/2007	9/1/2018	6/1/2012	6/1/2023	6/1/2010	6/1/2021	0	08FA
WRGS	AG1-2007-047D	1222005	WR	EES	106	10/1/2007	10/1/2010	1/1/2011	1/1/2014			0	08SP

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Note 1: Disregard Redispatch shown in Table 6 for limitations identified earlier than the start date with redispatch with the exception of limitations identified in the 2007 Summer Shoulder, and 2007 Fall Peak
Note 2: Start and Stop Dates with interim redispatch are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.

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

Customer	Study Number	Reservation	⁵ Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3,9} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
EDE	AG1-2007-051	1222640	\$ 6,277,536	\$ 2,105,300	\$ 1,800,000		Indeterminate	\$ 18,192,401	\$ 12,975,972	\$ -	\$ 12,975,972
GSEC	AG1-2007-062	1223071	\$ 74,428,689	\$ 2,428,689	\$ 72,000,000		\$ -	\$ 330,576,170	\$ 10,787,060	\$ -	\$ 10,787,060
INDP	AG1-2007-045	1221966	\$ 181,639	\$ 181,639	\$ -		\$ 13,006	\$ 947,903	\$ 947,903	\$ 1,584,000	\$ 1,584,000
KBPU	AG1-2007-043D	1221923	\$ 1,836,911	\$ 1,836,911	\$ -		\$ -	\$ 5,420,897	\$ 5,471,305	\$ 4,118,400	\$ 5,471,305
KBPU	AG1-2007-044D	1221925	\$ 995,678	\$ 995,678	\$ -		\$ -	\$ 4,236,005	\$ 4,236,005	\$ 5,280,000	\$ 5,280,000
KCPS	AG1-2007-080	1223159	\$ -	\$ -	\$ -	12	\$ -	\$ -	\$ -	\$ 2,808,000	\$ 2,808,000
KCPS	AG1-2007-080	1223160	\$ -	\$ -	\$ -	12	\$ -	\$ -	\$ -	\$ 10,800	\$ 10,800
KCPS	AG1-2007-081	1223161	\$ -	\$ -	\$ -	12	Indeterminate	\$ -	\$ -	\$ 162,000	\$ 162,000
KMEA	AG1-2007-007	1218859	\$ 135,108	\$ -	\$ 135,108		\$ -	\$ 487,948	\$ -	\$ 289,536	\$ 289,536
KPP	AG1-2007-052	1222644	\$ 19,848,650	\$ -	\$ 19,848,650		\$ -	\$ 51,101,420	\$ -	\$ -	Sch 9 charges
KPP	AG1-2007-054	1222904	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
KPP	AG1-2007-055	1222932	\$ 14,215,909	\$ 6,115,909	\$ 8,100,000		\$ -	\$ 50,716,017	\$ 21,873,201	\$ -	\$ 21,873,201
KPP	AG1-2007-056	1222937	\$ 149,976	\$ -	\$ 149,976		\$ -	\$ 436,703	\$ -	\$ -	Sch 9 charges
KPP	AG1-2007-057	1222943	\$ 9,044,388	\$ 5,804,388	\$ 3,240,000		\$ -	\$ 28,999,152	\$ 18,659,163	\$ -	\$ 18,659,163
KPP	AG1-2007-058	1222955	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
KPP	AG1-2007-064	1223078	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
MIDW	AG1-2007-050	1222340	\$ 3,037,717	\$ -	\$ 3,037,717	8	\$ -	\$ 12,942,550	\$ -	\$ -	Sch 9 charges
SEPC	AG1-2007-063	1223075	\$ 1,510,156	\$ 1,256,921	\$ -	10	\$ -	\$ 5,951,790	\$ 5,951,790	\$ -	\$ 5,951,790
SEPC	AG1-2007-063	1223077	\$ 710,661	\$ 591,492	\$ -	10	\$ -	\$ 2,800,839	\$ 2,800,839	\$ -	\$ 2,800,839
SEPC	AG1-2007-065	1223079	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 53,977,200	\$ 53,977,200
SPRM	AG1-2007-042	1220082	\$ 1,200,000	\$ -	\$ 1,200,000		\$ -	\$ 6,191,892	\$ -	\$ -	Sch 9 charges
UCU	AG1-2007-025D	1214263	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 90,480	\$ 90,480
UCU	AG1-2007-023D	1214269	\$ 12,991	\$ -	\$ 12,991		\$ -	\$ 27,081	\$ -	\$ 105,600	\$ 105,600
UCU	AG1-2007-060D	1223092	\$ 2,934,055	\$ 2,260,727	\$ -	2	Indeterminate	\$ 10,362,420	\$ 10,433,907	\$ 28,998,000	\$ 28,998,000
UCU	AG1-2007-060D	1223093	\$ 2,934,055	\$ 2,260,727	\$ -	2	Indeterminate	\$ 10,362,420	\$ 10,433,907	\$ 28,998,000	\$ 28,998,000
UCU	AG1-2007-060D	1223094	\$ 2,934,055	\$ 2,260,727	\$ -	2	Indeterminate	\$ 10,362,420	\$ 10,433,907	\$ 28,998,000	\$ 28,998,000
UCU	AG1-2007-060D	1223095	\$ 2,934,055	\$ 2,260,727	\$ -	2	Indeterminate	\$ 10,362,420	\$ 10,433,907	\$ 28,998,000	\$ 28,998,000
UCU	AG1-2007-092	1223102	\$ 13,288,645	\$ 1,006,744	\$ -	11	Indeterminate	\$ 56,583,939	\$ 56,583,939	\$ -	\$ 56,583,939
WFEC	AG1-2007-014	1217632	\$ 6,934,838	\$ -	\$ 6,934,838		Indeterminate	\$ 20,908,698	\$ -	\$ -	Sch 9 charges
WRGS	AG1-2007-001D	1197077	\$ 1,310,888	\$ -	\$ 1,310,888		\$ -	\$ 3,127,351	\$ -	\$ -	Sch 9 charges
WRGS	AG1-2007-047D	1222005	\$ 3,036,459	\$ 3,036,459	\$ -		\$ -	\$ 6,506,745	\$ 6,506,745	\$ 3,434,400	\$ 6,506,745
Totals			\$ 169,893,059	\$ -	\$ 117,770,168			\$ 647,605,180	\$ 188,529,551		

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

Customer	Study Number	Reservation	⁵ Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3,9} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
<p>Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by direct assigned engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C of expedited projects. A letter of credit is not required for those upgrades which are base plan funded or paid out of PTP base rate. The LOC amount listed is based on a designated resource meeting OATT Attachments J requirements for base plan funding.</p>											
<p>Note 2: If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if PTP base rate exceeds revenue requirements.</p>											
<p>Note 3: Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided RR in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects. A present worth analysis of RR on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan RR due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The incremental increase in present worth of a Requested Upgrade on a common year basis as a Base Plan upgrade is assigned to the transmission requests impacting the upgrade based on the displacement or deferral.</p>											
<p>Note 4: For PTP requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits required will be determined at the conclusion of the study based on final MW impact allocation. Credits can be paid from base plan funding or PTP base rate if applicable.</p>											
<p>Note 5: E & C allocation for determination of allocated revenue requirements DOES include those upgrades estimated at \$100,000 or less. If these upgrades are for a designated resource, they will be base plan funded if not paid by PTP base rate. Also E & C allocation for expedited projects is not included in this total but utilized for RR to expedite the required in- service date. Thus this number sets the cap for base plan funding allowable for remaining assigned upgrades.</p>											
<p>Note 6: Midwest has 308MW of load with up to 385MW total resource cap for base plan funding in 2007 (not applicable on this study)</p>											
<p>Note 7: Midwest has 317MW of load with up to 397MW total resource cap for base plan funding in 2013 (Not applicable on this study)</p>											
<p>Note 8: Midwest has 315MW of load with up to 394MW total resource cap for base plan funding in 2012 (Not applicable in this study)</p>											
<p>Note 9: RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.</p>											
<p>Note 10: Resource ratio exceeds 125% load criteria for base plan funding.</p>											
<p>Note 11: 2550 MW resource cap for 2010.</p>											
<p>Note 12: Sinks outside SPP thus no base funding.</p>											

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

Customer Study Number
 EDE AG1-2007-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EDE	1222640	WPEK	EDE	100	11/1/2008	11/1/2028	6/1/2012	6/1/2032	\$ 1,800,000	\$ -	\$ 6,384,136	\$ 18,192,401
									\$ 1,800,000	\$ -	\$ 6,384,136	\$ 18,192,401

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222640	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 643,622	\$ 3,000,000	\$ 2,524,497	
	Hawthorn/W.Gardner Cap Banks	6/1/2010	6/1/2010			\$ 750,892	\$ 3,500,000	\$ 2,904,979	
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 685,218	\$ 56,925,223	\$ 1,819,815	
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 33,718	\$ 2,801,176	\$ 79,420	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 41,640	\$ 498,624	\$ 98,080	
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 350,891	\$ 4,201,763	\$ 826,497	
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 304,234	\$ 7,722,054	\$ 926,451	
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 123,108	\$ 3,124,712	\$ 289,971	
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 316,920	\$ 1,517,220	\$ 878,159	
	SUB 170 - NICHOLS ST. - SUB 80 - MARSHFIELD JCT. 69KV CKT 1	6/1/2012	6/1/2012			\$ 3,000,000	\$ 3,000,000	\$ 7,769,298	
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1	12/1/2008	1/1/2009		Yes	\$ 8,971	\$ 10,000	\$ 26,575	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 18,322	\$ 2,247,743	\$ 48,660	
						Total	\$ 6,277,536	\$ 88,548,514	\$ 18,192,401

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222640	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2017	6/1/2017		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2009	10/1/2009		Yes
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	Clinton Cap Bank	6/1/2010	6/1/2010		
	Craig 161KV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	Hawthorn 161KV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 EMDE	6/1/2011	6/1/2011		
	NIXA 161KV CAP BANK	6/1/2013	6/1/2013		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	Riley 161KV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Sherman - Dalhart 115 kV	1/1/2012	1/1/2012		
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2010	6/1/2010		
	SUB 382 - LARUSSEL - SUB 383 - MONETT 161KV CKT 1	6/1/2017	6/1/2017		
	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2013	6/1/2013		
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2017	6/1/2017		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	Texas Co-Hitchland-Sherman Tap 115 kV	1/1/2012	1/1/2012		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222640	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1222640	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	CLINTON - OSCEOLA 161KV CKT 1	6/1/2016	6/1/2016			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	HARRISON-EAST - SUMMIT 161KV CKT 1	6/1/2013	6/1/2013			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	12/1/2012	12/1/2012			\$ -	\$ -
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 AECI	6/1/2011	6/1/2011			\$ -	\$ -
	NIXA #1 - SPRINGFIELD 161KV CKT 1	6/1/2016	6/1/2016			\$ 106,600	\$ 106,600
	Total					\$ 106,600	\$ 106,600

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

Customer Study Number
GSEC AG1-2007-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1223071	SECI	SPS	400	1/1/2012	1/1/2042	6/1/2012	6/1/2042	\$ 72,000,000	\$ -	\$ 74,428,689	\$ 330,576,170
									\$ 72,000,000	\$ -	\$ 74,428,689	\$ 330,576,170

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223071	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 432,165	\$ 3,000,000	\$ 3,006,604
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 504,193	\$ 3,500,000	\$ 3,459,753
	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	1/1/2012	1/1/2012			\$ 6,837,000	\$ 6,837,000	\$ 31,874,583
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 52,273,128	\$ 56,925,223	\$ 235,827,922
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 2,572,255	\$ 2,801,176	\$ 8,163,823
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 158,587	\$ 498,624	\$ 503,323
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 1,336,365	\$ 4,201,763	\$ 4,241,355
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 5,786,108	\$ 7,722,054	\$ 26,200,035
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 2,341,336	\$ 3,124,712	\$ 7,430,932
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	1/1/2012	1/1/2012			\$ 157,180	\$ 158,000	\$ 707,903
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 2,030,372	\$ 2,247,743	\$ 9,159,934
Total						\$ 74,428,689	\$ 91,016,295	\$ 330,576,170

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223071	BAILEY COUNTY INTERCHANGE 115/69KV TRANSFORMER CKT 3	6/1/2016	6/1/2016		
	BAILEY COUNTY REC-EARTH INTERCHANGE 115KV Capacitor	6/1/2010	6/1/2010		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CKT 1	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	DEAF SMITH COUNTY INTERCHANGE - DEAF SMITH REC-#21 115KV CKT 1	6/1/2016	6/1/2016		
	DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2016	6/1/2016		
	EAST PLANT INTERCHANGE - WHITAKER SUB 115KV CKT 1	6/1/2015	6/1/2015		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	KRESS INTERCHANGE 115/69KV TRANSFORMERS	6/1/2012	6/1/2012		
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1	6/1/2010	6/1/2010		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Sherman - Dalhart 115 kV	1/1/2012	1/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	6/1/2012	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kV	1/1/2012	1/1/2012		
	TEXAS COUNTY INTERCHANGE 115/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	TUCO INTERCHANGE 115/69KV TRANSFORMER CKT 3	6/1/2012	6/1/2012		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223071	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2011	6/1/2008		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	4/1/2008	1/1/2008		

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

Customer Study Number
 INDP AG1-2007-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
INDP	1221966	OPPD	INDN	6	6/1/2009	6/1/2034	6/1/2012	6/1/2037	\$ -	\$ 1,584,000	\$ 194,645	\$ 947,903
									\$ -	\$ 1,584,000	\$ 194,645	\$ 947,903

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1221966	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 43,110	\$ 1,000,000	\$ 172,663
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 7,172	\$ 1,400,000	\$ 32,656
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 41,150	\$ 3,000,000	\$ 257,677
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2012	6/1/2012			\$ 4,303	\$ 1,250,000	\$ 17,172
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 48,008	\$ 3,500,000	\$ 296,511
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 6,456	\$ 1,500,000	\$ 36,494
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 3,486	\$ 56,925,223	\$ 14,251
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 172	\$ 2,801,176	\$ 518
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 1,005	\$ 498,624	\$ 3,024
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 8,465	\$ 4,201,763	\$ 25,475
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010			\$ 6,456	\$ 1,500,000	\$ 41,176
	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010			\$ 2,639	\$ 3,500,000	\$ 14,570
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 6,125	\$ 7,722,054	\$ 25,748
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 2,478	\$ 3,124,712	\$ 7,457
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 614	\$ 2,247,743	\$ 2,510
						\$ 181,639	\$ 94,171,295	\$ 947,903

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1221966	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	MERRIAM - ROELAND PARK 161KV CKT 1	6/1/2012	6/1/2012		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUBSTATION M 161/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1221966	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 13,006	\$ 8,700,000
						\$ 13,006	\$ 8,700,000

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

Customer Study Number
KBPU AG1-2007-043D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KBPU	1221923	SPA	KACY	39	7/1/2010	7/1/2020	6/1/2012	6/1/2022	\$ -	\$ 4,118,400	\$ 1,836,911	\$ 5,420,897
									\$ -	\$ 4,118,400	\$ 1,836,911	\$ 5,420,897

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1221923	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 156,805	\$ 1,000,000	\$ 380,866
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 333,891	\$ 7,200,000	\$ 964,263
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 101,087	\$ 1,400,000	\$ 279,128
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 519,385	\$ 11,200,000	\$ 1,535,672
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 133,668	\$ 3,000,000	\$ 504,271
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 155,946	\$ 3,500,000	\$ 580,273
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 30,482	\$ 1,500,000	\$ 103,809
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 182,818	\$ 56,925,223	\$ 464,913
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 8,996	\$ 2,801,176	\$ 20,234
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 8,013	\$ 498,624	\$ 18,023
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 67,526	\$ 4,201,763	\$ 151,884
	REDEL - STILLWELL 161KV CKT 1	6/1/2009	6/1/2010			\$ 30,482	\$ 1,500,000	\$ 117,126
	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010			\$ 13,904	\$ 3,500,000	\$ 46,554
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 63,277	\$ 7,722,054	\$ 183,507
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 25,605	\$ 3,124,712	\$ 57,592
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	1/1/2012	1/1/2012			\$ 208	\$ 158,000	\$ 528
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 4,818	\$ 2,247,743	\$ 12,252
Total						\$ 1,836,911	\$ 111,479,295	\$ 5,420,897

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1221923	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2010		No
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	10/1/2009	10/1/2009	No
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2009	6/1/2010		No
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	4/1/2009	No
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1221923	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Customer Study Number
KBPU AG1-2007-044D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KBPU	1221925	WR	KACY	25	1/1/2008	1/1/2028	6/1/2012	6/1/2032	-	\$ 5,280,000	\$ 995,678	\$ 4,236,005
									\$ -	\$ 5,280,000	\$ 995,678	\$ 4,236,005

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1221925	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 102,780	\$ 1,000,000	\$ 354,228
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 58,930	\$ 1,400,000	\$ 230,891
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 181,203	\$ 3,000,000	\$ 974,706
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 211,403	\$ 3,500,000	\$ 1,121,608
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 25,250	\$ 1,500,000	\$ 122,610
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 178,940	\$ 56,925,223	\$ 633,751
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 8,805	\$ 2,801,176	\$ 24,202
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 10,064	\$ 498,624	\$ 27,663
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 84,810	\$ 4,201,763	\$ 233,117
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010			\$ 25,250	\$ 1,500,000	\$ 138,339
	Spearsville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 74,767	\$ 7,722,054	\$ 280,320
	Spearsville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 30,254	\$ 3,124,712	\$ 83,159
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 3,222	\$ 2,247,743	\$ 11,411
Total						\$ 995,678	\$ 89,421,295	\$ 4,236,005

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	Earliest Service Start Date	Redispatch Available
1221925	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2010		No
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	10/1/2009	10/1/2009	No
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2009	6/1/2010		No
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		No
	WEST GARDNER (WGARD 11) 345/161/113.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	4/1/2009	No
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1221925	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1221925	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2008	6/1/2009		
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2009		
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2008	6/1/2009		

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

Customer Study Number
 KCPS AG1-2007-080

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1223159	KCPL	EES	52	6/1/2007	6/1/2012	12/1/2007	12/1/2012	\$ -	\$ 2,808,000	\$ -	\$ -
KCPS	1223160	KCPL	EES	1	6/1/2007	6/1/2008	12/1/2007	12/1/2008	\$ -	\$ 10,800	\$ -	\$ -
									\$ -	\$ 2,818,800	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223159	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -
1223160	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	Earliest Service Start Date	Redispatch Available
1223159	STRANGER CREEK TRANSFORMER CKT 2	6/1/2012	6/1/2012		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223159	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Customer Study Number
 KCPS AG1-2007-081

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1223161	KCPL	SPA	15	1/1/2008	1/1/2009			\$ -	\$ 162,000	\$ -	\$ -
									\$ -	\$ 162,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223161	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1223161	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
						Total	\$ -

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

Customer Study Number
KMEA AG1-2007-007

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	1218859	GRDA	WR	1	5/1/2010	5/1/2026	6/1/2012	6/1/2028	\$ 135,108	\$ 289,536	\$ 135,108	\$ 487,948
									\$ 135,108	\$ 289,536	\$ 135,108	\$ 487,948

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1218859	ALLEN 69KV Capacitor	10/1/2007	6/1/2010			\$ 75	\$ 500,000	\$ 274
	ATHENS 69KV Capacitor	10/1/2007	6/1/2010			\$ 75	\$ 500,000	\$ 274
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 17,659	\$ 7,200,000	\$ 63,040
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 1,955	\$ 1,400,000	\$ 6,727
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 27,469	\$ 11,200,000	\$ 100,394
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 51,440	\$ 954,734	\$ 192,226
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 5,471	\$ 56,925,223	\$ 17,129
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 269	\$ 2,801,176	\$ 686
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 377	\$ 498,624	\$ 961
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 3,181	\$ 4,201,763	\$ 8,110
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 20,759	\$ 385,293	\$ 77,574
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 2,690	\$ 7,722,054	\$ 9,160
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 1,089	\$ 3,124,712	\$ 2,777
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	1/1/2012	1/1/2012			\$ 8	\$ 158,000	\$ 25
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 2,322	\$ 1,517,220	\$ 7,710
	TIOGA 69KV Capacitor	10/1/2007	6/1/2010			\$ 75	\$ 500,000	\$ 274
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 194	\$ 2,247,743	\$ 607
Total						\$ 135,108	\$ 101,836,541	\$ 487,948

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1218859	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		No
	412SUB - KERR 161KV CKT 1	6/1/2009	6/1/2010		No
	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2010		No
	AUBURN ROAD (AUBRN7X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2017	6/1/2017		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to McDowell 230 kV	6/1/2014	6/1/2014		
	EUREKA SPRINGS 161KV	6/1/2016	6/1/2016		
	NIXA 161KV CAP BANK	6/1/2013	6/1/2013		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	4/1/2009	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1218859	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

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

Customer Study Number
KPP AG1-2007-052

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222644	WR	WR	333	6/1/2007	6/1/2017	6/1/2010	6/1/2020	\$ 19,848,650	-	\$ 19,848,650	\$ 51,101,420
									\$ 19,848,650	\$ -	\$ 19,848,650	\$ 51,101,420

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222644	ALLEN - LEHIGH TAP 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,504,762	\$ 2,000,000	\$ 3,969,819	
	ALLEN 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 379,044	\$ 500,000	\$ 997,065	
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 490,664	\$ 639,000	\$ 1,290,679	
	ATHENS 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 379,044	\$ 500,000	\$ 997,065	
	Athens to Owl Creek 69 kV	6/1/2008	6/1/2010		No	\$ 715,188	\$ 879,000	\$ 1,881,283	
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 3,573,244	\$ 7,200,000	\$ 8,821,236	
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 76,329	\$ 100,000	\$ 200,781	
	CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 930,000	\$ 1,200,000	\$ 2,446,340	
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 5,558,379	\$ 11,200,000	\$ 14,048,614	
	Green to Vernon 69 kV	6/1/2008	6/1/2010		No	\$ 1,757,378	\$ 2,157,000	\$ 4,622,736	
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2008	6/1/2010		No	\$ 2,359,552	\$ 2,900,000	\$ 6,224,901	
	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 240,250	\$ 310,000	\$ 633,820	
	LITCHFIELD - PITNAC 69KV CKT 1	6/1/2010	6/1/2010			\$ 57,082	\$ 75,000	\$ 150,153	
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010			\$ 185,040	\$ 250,000	\$ 495,866	
	TIOGA 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 379,044	\$ 500,000	\$ 997,065	
	Vernon to Athens 69 kV	6/1/2008	6/1/2010		No	\$ 1,263,650	\$ 1,551,000	\$ 3,323,997	
						Total	\$ 19,848,650	\$ 31,961,000	\$ 51,101,420

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222644	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	OXFORD 138KV Capacitor	6/1/2008	6/1/2010		No
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2007	6/1/2010		Yes
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222644	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes

*Reservation 1222644 and 1222955 were studied as one request

**A Transmission Operating Directive will need to be developed to document the minimum allowable generation per season in order maintain system reliability and evaluation of short term transmission service requests.

***34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KPP AG1-2007-054

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222904	WPEK	WPEK	3	6/1/2007	6/1/2017			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1222904	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

*Reservation 1223078 and 1222904 were studied as one request

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

Customer Study Number
KPP AG1-2007-055

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222932	WR	WR	45	6/1/2007	6/1/2027	6/1/2012	6/1/2032	\$ 8,100,000	\$ -	\$ 14,215,909	\$ 50,716,017
									\$ 8,100,000	\$ -	\$ 14,215,909	\$ 50,716,017

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1222932	ALLEN - LEHIGH TAP 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 346,927	\$ 2,000,000	\$ 1,233,571
	ALLEN 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 86,153	\$ 500,000	\$ 305,441
	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	6/1/2008	6/1/2010		Yes	\$ 9,140	\$ 12,861	\$ 33,012
	ARKANSAS CITY - PARIS 69KV CKT 1 #2	6/1/2008	6/1/2010		Yes	\$ 426,403	\$ 600,000	\$ 1,527,926
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 105,954	\$ 639,000	\$ 375,642
	ATHENS 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 86,153	\$ 500,000	\$ 305,441
	Athens to Owl Creek 69 kV	6/1/2008	6/1/2010		No	\$ 123,538	\$ 879,000	\$ 437,984
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 704,411	\$ 7,200,000	\$ 2,417,417
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 16,908	\$ 100,000	\$ 59,945
	CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 192,857	\$ 1,200,000	\$ 683,743
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,108,052	\$ 1,560,000	\$ 3,970,472
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	4/1/2008	6/1/2010			\$ 3,255,934	\$ 4,380,000	\$ 11,543,376
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010			\$ 1,095,750	\$ 11,200,000	\$ 3,849,954
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 256,716	\$ 3,000,000	\$ 1,157,456
	CRESWELL - OAK 69KV CKT 1 #1 Displacement	6/1/2008	6/1/2010		Yes	\$ 30,916	\$ 43,503	\$ 110,781
	CRESWELL - OAK 69KV CKT 1 #2 Displacement	6/1/2008	6/1/2010		Yes	\$ 247,331	\$ 348,026	\$ 876,871
	Green to Vernon 69 kV	6/1/2010	6/1/2010		No	\$ 304,141	\$ 2,157,000	\$ 1,078,282
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 299,502	\$ 3,500,000	\$ 1,331,904
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2008	6/1/2010		No	\$ 407,578	\$ 2,900,000	\$ 1,449,229
	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 49,821	\$ 310,000	\$ 177,149
	LITCHFIELD - PITNAC 69KV CKT 1	6/1/2010	6/1/2010			\$ 11,561	\$ 75,000	\$ 40,988
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 174,193	\$ 56,925,223	\$ 525,262
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 8,572	\$ 2,801,176	\$ 21,614
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 13,978	\$ 498,624	\$ 35,245
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 117,785	\$ 4,201,763	\$ 296,989
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010			\$ 46,089	\$ 250,000	\$ 166,464
	OAK - RAINBOW 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,278,780	\$ 1,800,000	\$ 4,581,050
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	4/1/2008	6/1/2010			\$ 363,301	\$ 488,725	\$ 1,301,475
	RICHLAND - UDALL 69KV CKT 1	4/1/2008	6/1/2010			\$ 2,155,755	\$ 2,900,000	\$ 7,722,690
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 96,913	\$ 7,722,054	\$ 323,477
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 39,215	\$ 3,124,712	\$ 98,879
	TIMBER JUNCTION - UDALL 69KV CKT 1	4/1/2008	6/1/2010			\$ 446,018	\$ 600,000	\$ 1,581,283
	TIOGA 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 86,153	\$ 500,000	\$ 305,441
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 4,717	\$ 2,247,743	\$ 14,224
	Vernon to Athens 69 kV	6/1/2008	6/1/2010		No	\$ 218,694	\$ 1,551,000	\$ 775,343
	Total					\$ 14,215,909	\$ 128,715,410	\$ 50,716,017

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222932	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		Yes
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2008	6/1/2010		Yes
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		Yes
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	6/1/2017	6/1/2017		
	HARPER 138KV Capacitor	6/1/2011	6/1/2011		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Marmaton to Litchfield 69 kV	6/1/2013	6/1/2013		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	OXFORD 138KV Capacitor	6/1/2008	6/1/2010		No
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2007	6/1/2010		Yes
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222932	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	RENO - SUMMIT 345KV	4/1/2008	1/1/2011		Yes
	WICHITA - RENO 345KV	4/1/2008	6/1/2009		Yes

**A Transmission Operating Directive will need to be developed to document the minimum allowable generation per season in order maintain system reliability and evaluation of short term transmission service requests.

***34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KPP AG1-2007-056

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222937	WR	WPEK	5	6/1/2007	6/1/2027	6/1/2012	6/1/2032	\$ 149,976	\$ -	\$ 149,976	\$ 436,703
									\$ 149,976	\$ -	\$ 149,976	\$ 436,703

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222937	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 1,656	\$ 1,400,000	\$ 4,395	
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 21,867	\$ 3,000,000	\$ 79,086	
	Hawthorn/W.Gardner Cap Banks	6/1/2010	6/1/2010			\$ 25,511	\$ 3,500,000	\$ 91,004	
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 32,455	\$ 56,925,223	\$ 80,051	
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 1,597	\$ 2,801,176	\$ 3,615	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 2,168	\$ 498,624	\$ 4,908	
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 18,266	\$ 4,201,763	\$ 41,351	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	10/1/2008	6/1/2010		Yes	\$ 23,891	\$ 164,378	\$ 71,382	
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 15,535	\$ 7,722,054	\$ 44,846	
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 6,286	\$ 3,124,712	\$ 14,230	
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	1/1/2012	1/1/2012			\$ 31	\$ 158,000	\$ 76	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 713	\$ 2,247,743	\$ 1,759	
						Total	\$ 149,976	\$ 85,743,672	\$ 436,703

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222937	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2011	6/1/2011		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to McDowell 230 kV	6/1/2014	6/1/2014		
	HARPER 138KV Capacitor	6/1/2011	6/1/2011		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN 115KV Capacitor	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222937	MEDICINE LODGE - SUN CITY 115KV CKT 1	4/1/2008	1/1/2008		
	RENO - SUMMIT 345KV	4/1/2008	1/1/2011		Yes
	WICHITA - RENO 345KV	4/1/2008	6/1/2009		Yes

**A Transmission Operating Directive will need to be developed to document the minimum allowable generation per season in order maintain system reliability and evaluation of short term transmission service requests.

***34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KPP AG1-2007-057

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222943	GRDA	WR	18	6/1/2009	6/1/2026	6/1/2010	6/1/2027	\$ 3,240,000	\$ -	\$ 9,044,388	\$ 28,999,152
									\$ 3,240,000	\$ -	\$ 9,044,388	\$ 28,999,152

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222943	ALLEN - LEHIGH TAP 69KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 148,311	\$ 2,000,000	\$ 484,335	
	ALLEN 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 34,727	\$ 500,000	\$ 113,076	
	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	6/1/2008	6/1/2010			\$ 3,721	\$ 12,861	\$ 12,343	
	ARKANSAS CITY - PARIS 69KV CKT 1 #2	6/1/2008	6/1/2010			\$ 173,597	\$ 600,000	\$ 571,309	
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 42,382	\$ 639,000	\$ 138,002	
	ATHENS 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 34,727	\$ 500,000	\$ 113,076	
	Athens to Owl Creek 69 kV	6/1/2008	6/1/2010		No	\$ 40,273	\$ 879,000	\$ 131,135	
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 593,502	\$ 7,200,000	\$ 1,855,499	
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2010	6/1/2010			\$ 6,763	\$ 100,000	\$ 22,021	
	CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010			\$ 77,143	\$ 1,200,000	\$ 251,189	
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2008	6/1/2010			\$ 451,948	\$ 1,560,000	\$ 1,487,363	
	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	4/1/2008	6/1/2010			\$ 1,124,066	\$ 4,380,000	\$ 3,660,123	
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 923,225	\$ 11,200,000	\$ 2,955,048	
	CRESWELL - OAK 69KV CKT 1 #1 Displacement	6/1/2008	6/1/2010		Yes	\$ 12,587	\$ 43,503	\$ 41,424	
	CRESWELL - OAK 69KV CKT 1 #2 Displacement	6/1/2008	6/1/2010		Yes	\$ 100,695	\$ 348,026	\$ 327,878	
	Green to Vernon 69 kV	6/1/2008	6/1/2010		No	\$ 95,481	\$ 2,157,000	\$ 310,900	
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 903,293	\$ 954,734	\$ 2,847,692	
	KERR - PENSACOLA 115KV CKT 1 Displacement	12/1/2009	6/1/2010		Yes	\$ 2,032,322	\$ 2,032,322	\$ 6,372,610	
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2008	6/1/2010		No	\$ 132,870	\$ 2,900,000	\$ 433,910	
	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2010			\$ 19,929	\$ 310,000	\$ 65,082	
	LITCHFIELD - PITNAC 69KV CKT 1	6/1/2010	6/1/2010			\$ 6,356	\$ 75,000	\$ 20,696	
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2010	6/1/2010			\$ 18,871	\$ 250,000	\$ 62,599	
	OAK - RAINBOW 69KV CKT 1	6/1/2008	6/1/2010			\$ 521,220	\$ 1,800,000	\$ 1,714,893	
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	4/1/2008	6/1/2010			\$ 125,424	\$ 488,725	\$ 412,664	
	RICHLAND - UDALL 69KV CKT 1	4/1/2008	6/1/2010			\$ 744,245	\$ 2,900,000	\$ 2,448,678	
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 364,534	\$ 385,293	\$ 1,149,218	
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 53,782	\$ 1,517,220	\$ 155,197	
	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1	12/1/2008	1/1/2009			\$ 1,029	\$ 10,000	\$ 3,174	
	TIMBER JUNCTION - UDALL 69KV CKT 1	4/1/2008	6/1/2010			\$ 153,982	\$ 600,000	\$ 501,388	
	TIOGA 69KV Capacitor	10/1/2007	6/1/2010		No	\$ 34,727	\$ 500,000	\$ 113,076	
	Vernon to Athens 69 kV	6/1/2008	6/1/2010		No	\$ 68,656	\$ 1,551,000	\$ 223,554	
						Total	\$ 9,044,388	\$ 49,593,683	\$ 28,999,152

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222943	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		Yes
	412SUB - KERR 161KV CKT 1	6/1/2009	6/1/2010		Yes
	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	AVOCA - EAST ROGERS 161KV CKT 1	6/1/2017	6/1/2017		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2008	6/1/2010		Yes
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	EUREKA SPRINGS 161KV	6/1/2016	6/1/2016		
	Marmaton to Litchfield 69 kV	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2013	6/1/2013		
	OXFORD 138KV Capacitor	6/1/2008	6/1/2010		No
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2007	6/1/2010		Yes
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	SW Manhattan 230/115 kV	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	Earliest Service Start Date	Redispatch Available
1222943	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	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	Earliest Service Start Date	Redispatch Available
1222943	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes

**A Transmission Operating Directive will need to be developed to document the minimum allowable generation per season in order maintain system reliability and evaluation of short term transmission service requests.

***34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
KPP AG1-2007-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1222955	WR	WR	20	6/1/2007	6/1/2017			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1222955	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

*Reservation 1222644 and 1222955 were studied as one request

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

Customer Study Number
KPP AG1-2007-064

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1223078	WPEK	WPEK	15	6/1/2007	6/1/2017			\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223078	None					\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -

*Reservation 1223078 and 1222904 were studied as one request

**A Transmission Operating Directive will need to be developed to document the minimum allowable generation per season in order maintain system reliability and evaluation of short term transmission service requests.

***34.5 kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 MIDW AG1-2007-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1222340	SECI	WR	75	1/1/2012	1/1/2042			\$ 3,037,717	-	\$ 3,037,717	\$ 12,942,550
									\$ 3,037,717	-	\$ 3,037,717	\$ 12,942,550

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222340	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 147,900	\$ 56,925,223	\$ 645,280	
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 7,278	\$ 2,801,176	\$ 22,687	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 76,239	\$ 498,624	\$ 237,654	
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 642,441	\$ 4,201,763	\$ 2,002,630	
	PRATT 115KV Capacitor	6/1/2012	6/1/2012			\$ 1,500,000	\$ 1,500,000	\$ 7,328,548	
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 426,261	\$ 7,722,054	\$ 1,883,993	
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 172,485	\$ 3,124,712	\$ 537,674	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 65,113	\$ 2,247,743	\$ 284,084	
						Total	\$ 3,037,717	\$ 79,021,295	\$ 12,942,550

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222340	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	Sherman - Dalhart 115 kv	1/1/2012	1/1/2012		
	ST JOHN 115KV Capacitor	6/1/2012	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kv	1/1/2012	1/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222340	MEDICINE LODGE - SUN CITY 115KV CKT 1	4/1/2008	1/1/2008		

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

Customer Study Number
SEPC AG1-2007-063

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1223075	SECI	WPEK	85	1/1/2012	1/1/2043			\$ -	\$ -	\$ 1,510,156	\$ 5,951,790
SEPC	1223077	SECI	WPEK	40	1/1/2012	1/1/2043			\$ -	\$ -	\$ 710,661	\$ 2,800,839
									\$ -	\$ -	\$ 2,220,817	\$ 8,752,629

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223075	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 566,069	\$ 56,925,223	\$ 2,535,548
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 27,855	\$ 2,801,176	\$ 88,413
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 53,014	\$ 498,624	\$ 168,268
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 446,732	\$ 4,201,763	\$ 1,417,944
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 253,235	\$ 7,722,054	\$ 1,144,123
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 102,471	\$ 3,124,712	\$ 325,247
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 60,780	\$ 2,247,743	\$ 272,247
					Total	\$ 1,510,156	\$ 77,521,295	\$ 5,951,790
1223077	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 266,385	\$ 56,925,223	\$ 1,193,197
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 13,108	\$ 2,801,176	\$ 41,605
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 24,948	\$ 498,624	\$ 79,186
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 210,227	\$ 4,201,763	\$ 667,268
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 119,169	\$ 7,722,054	\$ 538,409
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 48,222	\$ 3,124,712	\$ 153,058
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 28,602	\$ 2,247,743	\$ 128,115
					Total	\$ 710,661	\$ 77,521,295	\$ 2,800,839

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223075	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	HARPER 138KV Capacitor	6/1/2011	6/1/2011		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	PLAINVILLE 115KV Capacitor	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	Sherman - Dalhart 115 kV	1/1/2012	1/1/2012		
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	Texas Co-Hitchland-Sherman Tap 115 kV	1/1/2012	1/1/2012		
1223077	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	HARPER 138KV Capacitor	6/1/2011	6/1/2011		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2012	6/1/2012		
	PLAINVILLE 115KV Capacitor	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	Sherman - Dalhart 115 kV	1/1/2012	1/1/2012		
	SW Manhattan 230/115 kV	6/1/2016	6/1/2016		
	Texas Co-Hitchland-Sherman Tap 115 kV	1/1/2012	1/1/2012		

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

Customer Study Number
SEPC AG1-2007-065

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1223079	SECI	LAM345	100	1/1/2012	1/1/2043			\$ -	\$ 53,977,200	\$ 50,000,000	\$ 231,614,307
									\$ -	\$ 53,977,200	\$ 50,000,000	\$ 231,614,307

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223079	SPP - TRI STATE DC TIE	1/1/2012	1/1/2012			\$ 50,000,000	\$ 50,000,000	\$ 231,614,307
Total						\$ 50,000,000	\$ 50,000,000	\$ 231,614,307

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

Customer Study Number
UCU AG1-2007-023D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1214269	MPS	KCPL	2	6/1/2007	6/1/2012	10/1/2009	10/1/2014	\$ 12,991	\$ 105,600	\$ 12,991	\$ 27,081
									\$ 12,991	\$ 105,600	\$ 12,991	\$ 27,081

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1214269	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 5,996	\$ 3,000,000	\$ 12,592	
	Hawthorn/W. Gardner Cap Banks	6/1/2010	6/1/2010			\$ 6,995	\$ 3,500,000	\$ 14,489	
						Total	\$ 12,991	\$ 6,500,000	\$ 27,081

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1214269	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

Customer Study Number
UCU AG1-2007-025D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1214263	MPS	WR	1	6/1/2007	6/1/2012	10/1/2009	10/1/2014	\$ -	\$ 90,480	\$ -	\$ -
									\$ -	\$ 90,480	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1214263	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	Earliest Service Start Date	Redispatch Available
1214263	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	10/1/2009	10/1/2009	Yes

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

Customer Study Number
UCU AG1-2007-060D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1223092	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	\$ -	\$ 28,998,000	\$ 3,496,719	\$ 10,362,420
UCU	1223093	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	\$ -	\$ 28,998,000	\$ 3,496,719	\$ 10,362,420
UCU	1223094	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	\$ -	\$ 28,998,000	\$ 3,496,719	\$ 10,362,420
UCU	1223095	EES	MPS	75	3/1/2009	3/1/2029	6/1/2012	6/1/2032	\$ -	\$ 28,998,000	\$ 3,496,719	\$ 10,362,420
									\$ -	\$ 115,992,000	\$ 13,986,876	\$ 41,449,679

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223092	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 174,326	\$ 1,000,000	\$ 487,501
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 494,323	\$ 7,200,000	\$ 1,639,609
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 221,929	\$ 1,400,000	\$ 705,541
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 768,948	\$ 11,200,000	\$ 2,611,229
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 181,462	\$ 3,000,000	\$ 788,864
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009			\$ 62,824	\$ 325,000	\$ -
	FT SMITH 345KV CAP BANK	6/1/2013	6/1/2013			\$ 160,190	\$ 750,000	\$ 529,622
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2012	6/1/2012			\$ 215,618	\$ 1,250,000	\$ 600,785
	Hawthorn/W Gardner Cap Banks	6/1/2010	6/1/2010			\$ 211,706	\$ 3,500,000	\$ 907,761
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 222,049	\$ 1,500,000	\$ 871,409
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 222,049	\$ 1,500,000	\$ 983,195
	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010			\$ 61,455	\$ 3,500,000	\$ 236,904
					Total	\$ 2,996,879	\$ 36,125,000	\$ 10,362,420
	1223093	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 174,326	\$ 1,000,000
BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 494,323	\$ 7,200,000	\$ 1,639,609
BLUE SPRINGS EAST CAP BANK		6/1/2010	6/1/2010			\$ 221,929	\$ 1,400,000	\$ 705,541
COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 768,948	\$ 11,200,000	\$ 2,611,229
Craig (542978) Cap Bank, Phase 1		6/1/2010	6/1/2010			\$ 181,462	\$ 3,000,000	\$ 788,864
DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA		6/1/2009	6/1/2009			\$ 62,824	\$ 325,000	\$ -
FT SMITH 345KV CAP BANK		6/1/2013	6/1/2013			\$ 160,190	\$ 750,000	\$ 529,622
GRANDVIEW EAST - SAMPSON 161KV CKT 1		6/1/2012	6/1/2012			\$ 215,618	\$ 1,250,000	\$ 600,785
Hawthorn/W Gardner Cap Banks		6/1/2010	6/1/2010			\$ 211,706	\$ 3,500,000	\$ 907,761
MARTIN CITY - REDEL 161KV CKT 1		6/1/2011	6/1/2011			\$ 222,049	\$ 1,500,000	\$ 871,409
REDEL - STILWELL 161KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 222,049	\$ 1,500,000	\$ 983,195
SEDALIA - SEDALIA SUB 161.00 161KV CKT 1		5/1/2010	5/1/2010			\$ 61,455	\$ 3,500,000	\$ 236,904
					Total	\$ 2,996,879	\$ 36,125,000	\$ 10,362,420
1223094		ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 174,326	\$ 1,000,000
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 494,323	\$ 7,200,000	\$ 1,639,609
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 221,929	\$ 1,400,000	\$ 705,541
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 768,948	\$ 11,200,000	\$ 2,611,229
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 181,462	\$ 3,000,000	\$ 788,864
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009			\$ 62,824	\$ 325,000	\$ -
	FT SMITH 345KV CAP BANK	6/1/2013	6/1/2013			\$ 160,190	\$ 750,000	\$ 529,622
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2012	6/1/2012			\$ 215,618	\$ 1,250,000	\$ 600,785
	Hawthorn/W Gardner Cap Banks	6/1/2010	6/1/2010			\$ 211,706	\$ 3,500,000	\$ 907,761
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 222,049	\$ 1,500,000	\$ 871,409
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010		Yes	\$ 222,049	\$ 1,500,000	\$ 983,195
	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010			\$ 61,455	\$ 3,500,000	\$ 236,904
					Total	\$ 2,996,879	\$ 36,125,000	\$ 10,362,420
	1223095	ALABAMA - LAKE ROAD 161KV CKT 1	6/1/2012	6/1/2012			\$ 174,326	\$ 1,000,000
BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 494,323	\$ 7,200,000	\$ 1,639,609
BLUE SPRINGS EAST CAP BANK		6/1/2010	6/1/2010			\$ 221,929	\$ 1,400,000	\$ 705,541
COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 768,948	\$ 11,200,000	\$ 2,611,229
Craig (542978) Cap Bank, Phase 1		6/1/2010	6/1/2010			\$ 181,462	\$ 3,000,000	\$ 788,864
DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA		6/1/2009	6/1/2009			\$ 62,824	\$ 325,000	\$ -
FT SMITH 345KV CAP BANK		6/1/2013	6/1/2013			\$ 160,190	\$ 750,000	\$ 529,622
GRANDVIEW EAST - SAMPSON 161KV CKT 1		6/1/2012	6/1/2012			\$ 215,618	\$ 1,250,000	\$ 600,785
Hawthorn/W Gardner Cap Banks		6/1/2010	6/1/2010			\$ 211,706	\$ 3,500,000	\$ 907,761
MARTIN CITY - REDEL 161KV CKT 1		6/1/2011	6/1/2011			\$ 222,049	\$ 1,500,000	\$ 871,409
REDEL - STILWELL 161KV CKT 1		6/1/2009	6/1/2010		Yes	\$ 222,049	\$ 1,500,000	\$ 983,195
SEDALIA - SEDALIA SUB 161.00 161KV CKT 1		5/1/2010	5/1/2010			\$ 61,455	\$ 3,500,000	\$ 236,904
					Total	\$ 2,996,879	\$ 36,125,000	\$ 10,362,420

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223092	5CALCR - NORFORK 161KV CKT 1 SWPA	6/1/2009	1/1/2010		Yes
	BROOKLINE - SUMMIT 345 KV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST 20MVAR CAPACITOR	6/1/2009	6/1/2009		
	Freeman to Harrisonville West 69 kV	12/1/2007	12/1/2007		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	LAKE ROAD 161/34.5KV TRANSFORMER	6/1/2009	10/1/2009		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2009	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	WALDRON CAPACITOR	6/1/2013	6/1/2013		
	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	4/1/2009	No
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		
	1223093	5CALCR - NORFORK 161KV CKT 1 SWPA	6/1/2009	1/1/2010	
BROOKLINE - SUMMIT 345 KV CKT 1		6/1/2016	6/1/2016		
Centerville Cap Bank		6/1/2010	6/1/2012		No
Craig 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
EAST 20MVAR CAPACITOR		6/1/2009	6/1/2009		
Freeman to Harrisonville West 69 kV		12/1/2007	12/1/2007		
GRANDVIEW EAST - MARTIN CITY 161KV CKT 1		6/1/2008	6/1/2009	10/1/2008	No
Hawthorn 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
LAKE ROAD 161/34.5KV TRANSFORMER		6/1/2009	10/1/2009		Yes
MUSKOGEE - PECAN CREEK 345KV CKT 1		6/1/2009	6/1/2009		
Riley 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
SUB 124 - AURORA H.T. 161KV		6/1/2013	6/1/2013		
SUB 438 - RIVERSIDE 161KV		12/1/2012	12/1/2012		
WALDRON CAPACITOR		6/1/2013	6/1/2013		
WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11		6/1/2008	6/1/2009	4/1/2009	No
West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR		6/1/2012	6/1/2012		
1223094		5CALCR - NORFORK 161KV CKT 1 SWPA	6/1/2009	1/1/2010	
	BROOKLINE - SUMMIT 345 KV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST 20MVAR CAPACITOR	6/1/2009	6/1/2009		
	Freeman to Harrisonville West 69 kV	12/1/2007	12/1/2007		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	LAKE ROAD 161/34.5KV TRANSFORMER	6/1/2009	10/1/2009		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2009	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	WALDRON CAPACITOR	6/1/2013	6/1/2013		
	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	4/1/2009	No
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		
	1223095	5CALCR - NORFORK 161KV CKT 1 SWPA	6/1/2009	1/1/2010	
BROOKLINE - SUMMIT 345 KV CKT 1		6/1/2016	6/1/2016		
Centerville Cap Bank		6/1/2010	6/1/2012		No
Craig 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
EAST 20MVAR CAPACITOR		6/1/2009	6/1/2009		
Freeman to Harrisonville West 69 kV		12/1/2007	12/1/2007		
GRANDVIEW EAST - MARTIN CITY 161KV CKT 1		6/1/2008	6/1/2009	10/1/2008	No
Hawthorn 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
LAKE ROAD 161/34.5KV TRANSFORMER		6/1/2009	10/1/2009		Yes
MUSKOGEE - PECAN CREEK 345KV CKT 1		6/1/2009	6/1/2009		
Riley 161kV 50MVar Cap Bank		6/1/2010	6/1/2010		
SUB 124 - AURORA H.T. 161KV		6/1/2013	6/1/2013		
SUB 438 - RIVERSIDE 161KV		12/1/2012	12/1/2012		
WALDRON CAPACITOR		6/1/2013	6/1/2013		
WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CKT 11		6/1/2008	6/1/2009	4/1/2009	No
West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR		6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223092	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1223093	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1223094	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1223095	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223092	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
1223093	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
1223094	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
1223095	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes
	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010		
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2011		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2011		Yes

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1223092	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 316,150	\$ 8,700,000
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 183,690	\$ 2,800,000
					Total	\$ 499,840	\$ 11,500,000
1223093	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 316,150	\$ 8,700,000
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 183,690	\$ 2,800,000
					Total	\$ 499,840	\$ 11,500,000
1223094	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 316,150	\$ 8,700,000
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 183,690	\$ 2,800,000
					Total	\$ 499,840	\$ 11,500,000
1223095	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 316,150	\$ 8,700,000
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2011		Yes	\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 183,690	\$ 2,800,000
					Total	\$ 499,840	\$ 11,500,000

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

Customer Study Number
UCU AG1-2007-092

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1223102	MPS	MPS	315	5/1/2010	5/1/2030	6/1/2012	6/1/2032	\$ -	-	\$ 25,136,279	\$ 56,583,939
									\$ -	-	\$ 25,136,279	\$ 56,583,939

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1223102	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 238,539	\$ 1,400,000	\$ 934,607
	GRANDVIEW EAST - SAMPSON 161KV CKT 1	6/1/2012	6/1/2012			\$ 383,226	\$ 1,250,000	\$ 1,315,983
	KNOB NOSTER - SEDALIA WEST NORTH BUS 69KV CKT 1	5/1/2010	5/1/2010			\$ 6,000,000	\$ 6,000,000	\$ 28,505,524
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 503,372	\$ 1,500,000	\$ 2,444,296
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010			\$ 503,372	\$ 1,500,000	\$ 2,757,856
	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010			\$ 3,237,636	\$ 3,500,000	\$ 15,381,752
	WARRENSBURG EAST - WARRENSBURG PLANT 69KV CKT 1	6/1/2015	6/1/2015			\$ 2,422,500	\$ 2,422,500	\$ 5,243,921
Total						\$ 13,288,645	\$ 17,572,500	\$ 56,583,939

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223102	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2013	6/1/2013		
	EAST 20MVAR CAPACITOR	6/1/2009	6/1/2009		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	No
	LAKE ROAD 161/34.5KV TRANSFORMER	6/1/2009	10/1/2009		No
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1223102	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1223102	GEORGETOWN - GEORGETOWN TAP 2 69KV CKT 1	6/1/2012	6/1/2012			\$ 160,000	\$ 160,000
	GEORGETOWN - SEDALIA 161KV CKT 1	6/1/2011	6/1/2011			\$ 7,422,394	\$ 8,700,000
	GEORGETOWN (GEORGETO) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			\$ 1,000,000	\$ 1,000,000
	GEORGETOWN TAP 2 - SEDALIA 69KV CKT 1	6/1/2011	6/1/2011			\$ 1,200,000	\$ 1,200,000
	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 2,065,240	\$ 2,800,000
Total						\$ 11,847,634	\$ 13,860,000

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

Customer Study Number
WFEC AG1-2007-014

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1217632	WFEC	WFEC	150	1/1/2011	1/1/2036			\$ 6,934,838		\$ 82,850,513	\$ 20,908,698
									\$ 6,934,838		\$ 82,850,513	\$ 20,908,698

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1217632	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009			\$ 73,704	\$ 325,000	\$ -
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 89,843	\$ 89,843	\$ 440,731
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	6/1/2011	6/1/2011			\$ 6,374	\$ 6,374	\$ 17,234
	FT SMITH 345KV CAP BANK	6/1/2013	6/1/2013			\$ 109,239	\$ 750,000	\$ 462,321
	LAWTON EASTSIDE (LES 4) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ 4,000,000	\$ 4,000,000	\$ 10,715,892
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 1,486,466	\$ 56,925,223	\$ 5,423,210
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 73,146	\$ 2,801,176	\$ 207,095
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 76,962	\$ 498,624	\$ 217,899
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 648,538	\$ 4,201,763	\$ 1,836,173
	Spearville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 305,781	\$ 7,722,054	\$ 1,183,995
	Spearville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 123,734	\$ 3,124,712	\$ 350,322
	STANTON SUB - TUCO INTERCHANGE 115KV CKT 1	1/1/2012	1/1/2012			\$ 573	\$ 158,000	\$ 2,087
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 14,182	\$ 2,247,743	\$ 51,741
	Total					\$ 7,008,542	\$ 82,850,513	\$ 20,908,698

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1217632	ACME - WEST NORMAN 69KV CKT 1	6/1/2012	6/1/2012		
	COLBERT - TEXOMA 138 KV CKT 1	6/1/2010	6/1/2010		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	GLASSES - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011		
	HAMMETT - MEEKER 138KV CKT 1	6/1/2010	6/1/2010		
	LattaJct Cap Bank	6/1/2010	6/1/2010		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2009	6/1/2009		
	Norman Area Voltage Conversion	6/1/2011	6/1/2011		
	PAOLI 138/69KV TRANSFORMER CKT 1	12/1/2012	12/1/2012		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2014	6/1/2014		
	RUSSETT - RUSSETT 138KV CKT 1 WFEC	6/1/2014	6/1/2014		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	SUNNYSIDE - UNIROYAL 138KV CKT 1	6/1/2015	6/1/2015		
	TURKEY CREEK & OKARCHE CAP BANK	6/1/2017	6/1/2017		
	WALDRON CAPACITOR	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	Earliest Service Start Date	Redispatch Available
1217632	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1217632	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	Total					\$ -	\$ -

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

Customer Study Number
WRGS AG1-2007-001D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1197077	EDE	WR	32	9/1/2007	9/1/2018	6/1/2012	6/1/2023	\$ 1,310,888	\$ -	\$ 1,310,888	\$ 3,127,351
									\$ 1,310,888	\$ -	\$ 1,310,888	\$ 3,127,351

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1197077	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 26,205	\$ 1,400,000	\$ 63,643
	ROSE HILL (ROSEH1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	10/1/2008	6/1/2010		Yes	\$ 140,486	\$ 164,378	\$ 385,434
	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 1,144,197	\$ 1,517,220	\$ 2,678,274
Total						\$ 1,310,888	\$ 3,081,597	\$ 3,127,351

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1197077	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2016	6/1/2016		
	Centerville Cap Bank	6/1/2010	6/1/2012		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		No
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		No
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	East Manhattan to Mcdowell 230 kV	6/1/2014	6/1/2014		
	EUREKA SPRINGS 161KV	6/1/2016	6/1/2016		
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2015	6/1/2015		
	LITCHFIELD - AQUARIUS - HUDSON JUNCTION 69KV CKT 1	6/1/2016	6/1/2016		
	Marmaton to Litchfield 69 kV	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2013	6/1/2013		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	6/1/2016	6/1/2016		
	SUB 124 - AURORA H.T. 161KV	6/1/2013	6/1/2013		
	SUB 145 - JOPLIN WEST 7TH - SUB 341 - JOPLIN NORTHWEST 69KV CKT 1	6/1/2009	6/1/2010		Yes
	SUB 152 - MONETT H.T. - SUB 383 - MONETT 69KV CKT 1	6/1/2017	6/1/2017		
	SUB 382 - LARUSSEL - SUB 383 - MONETT 161KV CKT 1	6/1/2017	6/1/2017		
	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2013	6/1/2013		
	SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT	6/1/2008	10/1/2008		Yes
	SUB 389 - JOPLIN SOUTHWEST (JOPLINSW) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2017	6/1/2017		
	SUB 438 - RIVERSIDE 161KV	12/1/2012	12/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	SW Manhattan 230/115 kV	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	Earliest Service Start Date	Redispatch Available
1197077	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1197077	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1197077	ALLEN 69KV Capacitor	10/1/2007	6/1/2010		No
	ATHENS 69KV Capacitor	10/1/2007	6/1/2010		No
	Athens to Owl Creek 69 kV	6/1/2008	6/1/2010		No
	Green to Vernon 69 kV	6/1/2008	6/1/2010		No
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2008	6/1/2010		No
	TIOGA 69KV Capacitor	10/1/2007	6/1/2010		No
	Vernon to Athens 69 kV	6/1/2008	6/1/2010		No

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

Customer Study Number
WRGS AG1-2007-047D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1222005	WR	EES	106	10/1/2007	10/1/2010	1/1/2011	1/1/2014	\$ -	\$ 3,434,400	\$ 3,036,459	\$ 6,506,745
									\$ -	\$ 3,434,400	\$ 3,036,459	\$ 6,506,745

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1222005	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010			\$ 76,741	\$ 1,400,000	\$ 143,592	
	Craig (542978) Cap Bank, Phase 1	6/1/2010	6/1/2010			\$ 557,763	\$ 3,000,000	\$ 1,415,889	
	Hawthorn/W.Gardner Cap Banks	6/1/2010	6/1/2010			\$ 650,724	\$ 3,500,000	\$ 1,629,288	
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2011	6/1/2011			\$ 46,243	\$ 1,500,000	\$ 105,970	
	Mooreland - TUCO 345 kV SPS	1/1/2012	1/1/2012			\$ 922,694	\$ 56,925,223	\$ 1,632,633	
	Mooreland - TUCO 345 kV WFEC	1/1/2012	1/1/2012			\$ 45,404	\$ 2,801,176	\$ 83,874	
	Mooreland 345/138 kV Transformer CKT 1 Displacement	1/1/2012	1/1/2012			\$ 31,630	\$ 498,624	\$ 58,429	
	Mooreland 345/138 kV Transformer CKT 2	1/1/2012	1/1/2012			\$ 266,536	\$ 4,201,763	\$ 492,366	
	REDEL - STILWELL 161KV CKT 1	6/1/2009	6/1/2010			\$ 46,243	\$ 1,500,000	\$ 119,564	
	Speerville - Mooreland 345 kV SUNC Displacement	1/1/2012	1/1/2012			\$ 267,959	\$ 7,722,054	\$ 596,366	
	Speerville - Mooreland 345 kV WFEC Displacement	1/1/2012	1/1/2012			\$ 108,429	\$ 3,124,712	\$ 200,299	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	1/1/2012	1/1/2012			\$ 16,093	\$ 2,247,743	\$ 28,475	
						Total	\$ 3,036,459	\$ 88,421,295	\$ 6,506,745

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222005	Centerville Cap Bank	6/1/2010	6/1/2012		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	10/1/2007	6/1/2010		
	Cimarron Plant Substation Expansion	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	10/1/2007	6/1/2010		
	Craig 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	EAST MANHATTAN 115KV Capacitor	6/1/2012	6/1/2012		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	
	Hawthorn 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Hitchland Interchange Project	1/1/2012	1/1/2012		
	NORTH CIMARRON 115KV Capacitor	6/1/2010	6/1/2010		
	OXFORD 138KV Capacitor	6/1/2008	6/1/2010		
	Riley 161kV 50MVar Cap Bank	6/1/2010	6/1/2010		
	Sherman - Dalhart 115 kV	1/1/2012	1/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		
	Texas Co-Hitchland-Sherman Tap 115 kV	1/1/2012	1/1/2012		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV, 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222005	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1222005	RENO - SUMMIT 345KV	4/1/2008	1/1/2011		
	WICHITA - RENO 345KV	4/1/2008	6/1/2009		

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	6/1/2009	6/1/2010	\$ 7,200,000
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010	\$ 11,200,000
AEPW	LAWTON EASTSIDE (LES 4) 345/138/13.8KV TRANSFORMER CKT 1	Replace Auto with new 450 MVA auto	6/1/2011	6/1/2011	\$ 4,000,000
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 439 - STATELINE 161KV CKT 1 Displacement	Reconductor Line	6/1/2011	6/1/2011	\$ 1,517,220
EMDE	SUB 170 - NICHOLS ST - SUB 80 - MARSHFIELD JCT. 69KV CKT 1	Reconductor line from Sub #80 to Sub #170 from 1/0 CU to 556 ACSR and replace Jumpers at Sub #80	6/1/2012	6/1/2012	\$ 3,000,000
EMDE	SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1	Change CT setting on Breaker #6973 at Baxter #27	12/1/2008	1/1/2009	\$ 10,000
GRDA	KANSAS TAP - WEST SILDAM SPRINGS 161KV CKT 1 Displacement	Rebuild line to 1590 ACSR	6/1/2010	6/1/2010	\$ 954,734
GRDA	KERR - PENSACOLA 115KV CKT 1 Displacement	Rebuild 22 miles of line from 4/0 CU to 795 ACSR for 161KV	12/1/2008	6/1/2010	\$ 2,032,322
GRDA	SILDAM CITY - WEST SILDAM SPRINGS 161KV CKT 1 Displacement	Rebuild line to 1590 ACSR	6/1/2010	6/1/2010	\$ 385,293
KACP	Craig (542978) Cap Bank, Phase 1	add 150 Mvar cap bank Craig 542978 during the 09SP and above	6/1/2010	6/1/2010	\$ 3,000,000
KACP	Hawthorn/W Gardner Cap Banks	New Hawthorn 100 MVAR cap bank, New West Gardner 100 MVAR cap bank.	6/1/2010	6/1/2010	\$ 3,500,000
KACP	MARTIN CITY - REDEL 161KV CKT 1	reconductor 1192 acss upgrade terminal equip 2000 amp	6/1/2011	6/1/2011	\$ 1,500,000
KACP	REDEL - STILWELL 161KV CKT 1	Reconductor line with 1192 ACSS and upgrade terminal equipment for 2000 amp	6/1/2009	6/1/2010	\$ 1,500,000
MIPU	ALABAMA - LAKE ROAD 161KV CKT 1	Reconductor 1.27 mile line with 477 ACSS for 1200 amp capability; upgrade	6/1/2012	6/1/2012	\$ 1,000,000
MIPU	BLUE SPRINGS EAST CAP BANK	add 50 MVAR cap bank at Blue Springs East	6/1/2010	6/1/2010	\$ 1,400,000
MIPU	GRANDVIEW EAST - SAMPSON 161KV CKT 1	161KV Tap of Longview to Grandview East	6/1/2012	6/1/2012	\$ 1,250,000
MIPU	KNOB NOSTER - SEDALIA WEST NORTH BUS 69KV CKT 1	Rebuild Sedalia North - Knobnoster 69KV line to at least a 477 267 ACSR conductor	5/1/2010	5/1/2010	\$ 6,000,000
MIPU	SEDALIA - SEDALIA SUB 161.00 161KV CKT 1	Line rebuild to bundled 795 267 ACSR conductor	5/1/2010	5/1/2010	\$ 4,500,000
MIPU	WARRENSBURG EAST - WARRENSBURG PLANT 69KV CKT 1	Upgrade line to 795 267 ACSR conductor	6/1/2015	6/1/2015	\$ 2,422,500
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	Reconductor 1.27 miles of line to 1590A552. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	6/1/2011	6/1/2011	\$ 89,843
OKGE	FT SMITH 345KV CAP BANK	add additional cap banks at Ft. Smith	6/1/2013	6/1/2013	\$ 750,000
SPRM	BROOKLINE - JUNCTION 161KV CKT 1	Reconductor 1192 AAC with 1158.4 ACSS/TW	6/1/2011	6/1/2011	\$ 1,000,000
SPRM	CLAY - SPRINGFIELD 161KV CKT 1 SPRM	Replace disconnect switches at Springfield	12/1/2012	12/1/2012	\$ 200,000
SPS	MOORE COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 2	Add 2nd 230/115 kV transformer at Moore Count	1/1/2012	1/1/2012	\$ 6,837,000
SPS	Mooreland - TUOCO 345 KV SPS	New 345 KV line from Tuco to Mooreland on wooden H-frame structures	1/1/2012	1/1/2012	\$ 56,929,223
SPS	STANTON SUB - TUOCO INTERCHANGE 115KV CKT 1	Replace Terminal Equipment	1/1/2012	1/1/2012	\$ 158,000
SPS	TUOCO INTERCHANGE 345/115KV TRANSFORMER CKT 1 Displacement	Install 345/115 kV Transformer at Tuoco	1/1/2012	1/1/2012	\$ 2,247,743
SUNC	Spearville - Mooreland 345 KV SUNC Displacement	New 345 KV line from Spearville to Kansas/Oklahoma Stateline Replace wave trap, disconnect switches, current transformers, and breaker. Bus will limit rating to 1340 amps.	1/1/2012	1/1/2012	\$ 7,122,054
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA				
WEPL	PRATT 115KV Capacitor	Install 20MVAR at Pratt City 115KV	6/1/2012	6/1/2012	\$ 1,500,000
WERE	ALLEN - LEHIGH TAP 69KV CKT 1	Tear down / Rebuild 5.69-mile line; 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 2,000,000
WERE	ALLEN 69KV Capacitor	Allen 69 KV 15 MVAR Capacitor Addition	10/1/2007	6/1/2010	\$ 500,000
WERE	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	substations	6/1/2008	6/1/2010	\$ 12,861
WERE	ARKANSAS CITY - PARIS 69KV CKT 1 #2	Tear down / rebuild 1.67-mile line, 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 600,000
WERE	ASH GROVE JCT 2 - TIOGA 69KV CKT 1	Rebuild 2.13 miles	6/1/2010	6/1/2010	\$ 639,000
WERE	ATHENS 69KV Capacitor	Athens 69 KV 15 MVAR Capacitor Addition	10/1/2007	6/1/2010	\$ 500,000
WERE	Athens to Owl Creek 69 KV	Rebuild 2.93 miles Athens to Owl Creek 69 KV (138KV/69KV Operation)	6/1/2008	6/1/2010	\$ 879,000
WERE	CHANUTE TAP - TIOGA 69KV CKT 1	Replace Jumpers	6/1/2010	6/1/2010	\$ 100,000
WERE	CITY OF IOLA - UNITED NO 9 CONCRETE 69KV CKT 1	Tear down / Rebuild 4-mile 69 KV line; 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 1,200,000
WERE	CITY OF WINFIELD - RAINBOW 69KV CKT 1	Rebuild 3.99-mile Rainbow-Winfield 69 KV line, 954 ACSR	6/1/2008	6/1/2010	\$ 1,560,000
WERE	CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1	Tear down / Rebuild 14.6-mile City of Winfield Timber Junction-Udall 69 KV line using 954 kcmil ACSR	4/1/2008	6/1/2010	\$ 4,380,000
WERE	CRESWELL - OAK 69KV CKT 1 #1 Displacement	Replace bus and jumpers at bus, and reset CTs and relaying. Rebuild substations	6/1/2008	6/1/2010	\$ 43,503
WERE	CRESWELL - OAK 69KV CKT 1 #2 Displacement	Rebuild 5.82 miles	6/1/2008	6/1/2010	\$ 348,028
WERE	Green to Vernon 69 KV	Rebuild 7.19 miles Green to Vernon 69 KV (138KV/69KV Operation)	6/1/2008	6/1/2010	\$ 2,157,000
WERE	LEHIGH TAP - OWL CREEK 69KV CKT 1	Tear down / Rebuild 8.47-mile 69 KV line; 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 2,800,000
WERE	LEHIGH TAP - UNITED NO 9 CONCRETE 69KV CKT 1	Tear down / Rebuild 0.91-mile 69 KV line; 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 310,000
WERE	LITCHFIELD - PITNAC 69KV CKT 1	Replace Disconnect Switch	6/1/2010	6/1/2010	\$ 75,000
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	Replace bus and jumpers at NE Parsons 138 kV substation	6/1/2010	6/1/2010	\$ 250,000
WERE	OAK - RAINBOW 69KV CKT 1	Tear down / Rebuild 5.10-mile Oak-Rainbow 69 KV using 954 kcmil ACSR	6/1/2008	6/1/2010	\$ 1,800,000
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 KV line but operate at 69	4/1/2008	6/1/2010	\$ 485,725
WERE	RICHLAND - UDALL 69KV CKT 1	Tear down / Rebuild 8.48-mile Richland-Udall 69 KV line using 954 kcmil ACSR	4/1/2008	6/1/2010	\$ 2,900,000
WERE	ROSE HILL (ROSEHLX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Add third 345-138 KV transformer at Rose Hill	10/1/2008	6/1/2010	\$ 164,378
WERE	TIMBER JUNCTION - UDALL 69KV CKT 1	Tear down / Rebuild 2.00-mile Timber Junction-Udall 69 KV line using 954 kcmil ACSR	4/1/2008	6/1/2010	\$ 600,000
WERE	TIOGA 69KV Capacitor	Tioiga 69 KV 15 MVAR Capacitor Addition	10/1/2007	6/1/2010	\$ 500,000
WERE	Vernon to Athens 69 KV	Rebuild 5.17 miles Green to Vernon 69 KV (138KV/69KV Operation)	6/1/2008	6/1/2010	\$ 1,351,000
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	Replace switches and wavetraps at Franklin Switch to 2000A	6/1/2011	6/1/2011	\$ 6,374
WFEC	Mooreland - TUOCO 345 KV WFEC	345 KV line Terminal	1/1/2012	1/1/2012	\$ 2,801,176
WFEC	Mooreland 345/138 kV Transformer CKT 1 Displacement	New Mooreland 345/138 kV Transformer	1/1/2012	1/1/2012	\$ 498,624
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer	1/1/2012	1/1/2012	\$ 4,201,763
WFEC	Spearville - Mooreland 345 KV WFEC Displacement	New 345 KV line from Kansas/Oklahoma Stateline to Mooreland	1/1/2012	1/1/2012	\$ 3,124,712

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	tie line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR.	6/1/2008	6/1/2010
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR	6/1/2009	6/1/2011
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2011
MIPU	GEORGETOWN - SEDALIA SUB 161.00 161KV CKT 1	New 161KV line from new plant site George Town, built for a bundled 795 267 ACSR	5/1/2010	5/1/2010
OKGE	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR	6/1/2009	6/1/2011
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2011
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	4/1/2008	1/1/2008
WERE	108TH STREET - JAGGARD JUNCTION 115KV CKT 1	Rebuild 3.66 mile 108-Jaggard 115 KV line	6/1/2008	6/1/2009
WERE	108TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-108 115 KV line	6/1/2008	6/1/2009
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	tie line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2008	6/1/2010
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 KV line	6/1/2008	6/1/2009
WERE	RENO - SUMMIT 345KV	Tear down and rebuild 50.55-mile 345 KV line from Reno county to Summit 31 miles of 115 KV line between Circle and S Philips would be rebuilt as double circuit with the 345 KV line to minimize ROW impacts; Substation work required at Summit for new 345 KV terminal	4/1/2008	1/1/2011
WERE	WICHITA - RENO 345KV	Build 345KV from Wichita to Reno Co	4/1/2008	6/1/2009
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	WFEC has plans to increase CT Rating. Project should be inservice by 6/1/2008	6/1/2011	6/1/2008

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AVOCA - EAST ROGERS 161KV CRT 1	Rebuild 5.81 miles of 666 ACSR with 1590 ACSR	6/1/2017	6/1/2017
AEPW	CLINTON JUNCTION - CLINTON NATURAL GAS TAP 138KV CRT 1	Replace Clinton Jct Switches	6/1/2012	6/1/2012
AEPW	EUREKA SPRINGS 161KV	Install cap bank @ Eureka Springs	6/1/2016	6/1/2016
AEPW	WALDRON CAPACITOR	Install additional cap bank at Waldron	6/1/2013	6/1/2013
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CRT 1 EMDE	Replace Jumpers to breaker #6950 at Blackhawk Jct	6/1/2011	6/1/2011
EMDE	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CRT 1	Change CT Ratio on breaker #6936 at Aurora #12	6/1/2009	6/1/2009
EMDE	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CRT 1	Change CT Ratio at Sub #383 on Breaker #16186 for 268 MVA Rate I	6/1/2016	6/1/2016
EMDE	SUB 124 - AURORA H.T. 161KV	Install 3 - stages of 22 MVAR each for total of 66 MVAR capacitor bank at Aurora	6/1/2013	6/1/2013
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 341 - JOPLIN NORTHWEST 69KV CRT 1	Reconductor 2.25 miles of the line from 59539 to 59574 with 566 conductor	6/1/2009	6/1/2010
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CRT 1	Replace Disconnect Switches and Leads on Breaker #6965 at Sub #64 and #693; at Sub #145	6/1/2010	6/1/2010
EMDE	SUB 152 - MONETT H.T. - SUB 383 - MONETT 69KV CRT 1	Rebuild 1.28 mile 69 kv line and rebuild 69 kv Bus at Monett H.T	6/1/2017	6/1/2017
EMDE	SUB 382 - LARUSSEL - SUB 383 - MONETT 161KV CRT 1	Change CT Ratio at Sub #383 on Breaker #16186 for 268 MVA Rate I	6/1/2017	6/1/2017
EMDE	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CRT 1	Install new line from Sub #383 to new Sub MONETT 5. Install 3-wind transformer from 161 kv new bus to Monett city south 69kv	6/1/2013	6/1/2013
EMDE	SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CRT 1	Change CT Ratio at Sub #389 on Breaker #16170 for 268 MVA Rate I	6/1/2008	10/1/2008
EMDE	SUB 389 - JOPLIN SOUTHWEST (JOPLIN SW) 161/69/12.5KV TRANSFORMER CRT 1	Replace 75 MVA Auto-xfrmr at Joplin SW with 150 MVA Auto-xfrmr and install 69 kv bank breaker. Auto-xfrmr will have an impedance similar to Aurora 59468, 59537, 59704.	6/1/2017	6/1/2017
EMDE	SUB 438 - RIVERSIDE 161KV	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank a Riverside Sub #438 547497	12/1/2012	12/1/2012
GRDA	412SUB - KANSAS TAP 161KV CRT 1	Reconductor 9.7 miles with 1590MCM ACSR	6/1/2009	6/1/2010
GRDA	412SUB - RERR 161KV CRT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2009	6/1/2010
INDO	SUBSTATION #16169KV TRANSFORMER CRT 1	Upgrade Transformer	6/1/2011	6/1/2011
KACP	ANTIOCH - OXFORD 161KV CRT 1	Reconductor 5 miles with 1192.5 ACS, 558 normal/emergency rating	6/1/2008	6/1/2010
KACP	Centerville Cap Bank	20 Mvar at Centerville	6/1/2010	6/1/2010
KACP	MERRIAM - ROELAND PARK 161KV CRT 1	reconductor with 1192 acsr; upgrade term equip 1200 #	6/1/2012	6/1/2012
KACP	WEST GARDNER (WGARD 11) 345/161/13.8KV TRANSFORMER CRT 11	Replace 400/440 Mva Tx with 600/660 Mva Tx	6/1/2008	6/1/2009
KACP	West Gardner 345 kv Tap on Stillwell-Swissvale 345 kv, 50 Additional MVAR	New West Gardner 50 MVAR cap bank. West Gardner 345 kv Tap on Stillwell Swissvale line	6/1/2012	6/1/2012
KACP	Craig 161kv 50MVar Cap Bank	New Craig 542978 50 MVAR cap bank	6/1/2010	6/1/2010
KACP	Hawthorn 161kv 50MVar Cap Bank	New Hawthorn 50 MVAR cap bank.	6/1/2010	6/1/2010
KACP	Hawthorn/W Gardner Cap Banks	New Hawthorn 100 MVAR cap bank, New West Gardner 100 MVAR cap bank.	6/1/2010	6/1/2010
KACP	Riley 161kv 50MVar Cap Bank	New Riley 50 MVAR capbank.	6/1/2010	6/1/2010
KACP	West Gardner 345 kv Tap on Stillwell-Swissvale 345 kv, 50 Additional MVAR	New West Gardner 50 MVAR cap bank. West Gardner 345 kv Tap on Stillwell-Swissvale line	6/1/2012	6/1/2012
MIDW	ST. JOHN 115KV capacitor	Install 28mvar capacitor	6/1/2012	6/1/2012
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CRT 1	Reconductor to Bundled Drake	6/1/2008	10/1/2009
MIPU	CLINTON - CLINTON PLANT 69KV CRT 1	Upgrade line to 768 267 ACSR conductor	6/1/2013	6/1/2013
MIPU	Clinton Cap Bank	Install 2x15 Mvar cap banks at Clinton Plant 69 kv bus	6/1/2010	6/1/2010
MIPU	EAST 20MVAR CAPACITOR	Add 20MVAR capacitor at East 161KV	6/1/2009	6/1/2009
MIPU	Freeman to Harrisonville West 69 kv	Operate Radially from Freeman	12/1/2007	12/1/2007
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CRT 1	Upgrade Tap	6/1/2008	6/1/2008
MIPU	LAKE ROAD 161/34.5KV TRANSFORMER	Transformer Upgrade	6/1/2009	10/1/2009
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CRT 1	Upgrade to bundled 795 267 ACSR conducto	6/1/2009	6/1/2010
OKGE	GLASSES - RUSSETT 138KV CRT 1	Rebuild 8.38 miles of 138kv line with 795AS33, replace line relays, increase trap	6/1/2011	6/1/2011
OKGE	MUSKOGEE - PECAN CREEK 345KV CRT 1	Increase CT ration at Pecan Creek from 800-5 to 2000-5 to allow a 1500 amp rating of line section.	6/1/2009	6/1/2009
OKGE	RUSSETT - RUSSETT 138KV CRT 1 OKGE	Replace trap and increase CTR. Pending verification of relay	6/1/2014	6/1/2014
OKGE	SHUNYISIDE - UNIKROYAL 138KV CRT 1	Replace wavetrap 890A at Unroya	6/1/2015	6/1/2015
OKGE	TURKEY CREEK & OKARCHE CAP BANK	Install capacitors at Turkey Creek & Okarche	6/1/2017	6/1/2017
SPRM	BROOKLINE - SUMMIT 345 kv CRT 1	Build a 345 kv line from Brookline to Summit substation and install a 345/161 kv	6/1/2016	6/1/2016
SPRM	JAMES RIVER - SEMINOLE 69KV CRT 1	Reconductor 636 ACSR with 762.8 ACSSTW	6/1/2015	6/1/2015
SPRM	JAMES RIVER - TWIN LAKE 69KV CRT 1	Reconductor 636 ACSR with 762.8 ACSSTW	6/1/2015	6/1/2015
SPRM	KICKAPOO - SUNSET 69KV CRT 1	Reconductor 636 ACSR with 762.8 ACSSTW	6/1/2014	6/1/2014
SPRM	NEERGARD - NORTON 69KV CRT 1	Reconductor 636 ACSR with 477 ACSSTW	6/1/2012	6/1/2012
SPRM	NORTON CAP BANK	Install 66 MVAR cap bank @Norton, 40 MVAR cap bank @ Cox Substation	6/1/2010	6/1/2010
SPS	BAILEY COUNTY INTERCHANGE 115/69KV TRANSFORMER CRT 3	Add 1Tird transformer at Bales	6/1/2016	6/1/2016
SPS	BAILEY COUNTY REC-EARTH INTERCHANGE 115KV Capacitor	Install 1 - 14.4 Mvar capacitor bank	6/1/2010	6/1/2010
SPS	DEAF SMITH COUNTY INTERCHANGE - DEAF SMITH REC-221 115KV CRT 1	Reconductor 477 MCM, Estimated RateB 164, RateB 180	6/1/2016	6/1/2016
SPS	DEAF SMITH COUNTY INTERCHANGE -230/115KV TRANSFORMER CRT 3	Add third 230/115 kv auto (150/175.2 MVA)	6/1/2016	6/1/2016
SPS	EAST PLANT INTERCHANGE - WHITAKER SUB 115KV CRT 1	Upgrade Terminal Equipment	6/1/2015	6/1/2015
SPS	Hickland Interchange Project	New 345/230/115 kv Substation on Potter to Finney 345 kv line near the Texas Oklahoma border with new 230 kv lines to Moore County Interchange, Pringle, and Perryton with 115 kv tap of Spearman to Texas Co 115 kv line.	1/1/2012	1/1/2012
SPS	KRESS INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transforme	6/1/2012	6/1/2012
SPS	NICHOLS STATION - WHITAKER SUB 115KV CRT 1	Replace Terminal Equipment	6/1/2010	6/1/2010
SPS	Sherman - Dalfhan 115KV	Build new 115 kv line from Sherman to Dalfhan	1/1/2012	1/1/2012
SPS	TERRY COUNTY INTERCHANGE 115/69KV TRANSFORMERS	Upgrade both existing transforme	6/1/2012	6/1/2012
SPS	Texas Co-Hitchland-Sherman Tap 115 kv	Route Sherman Tap to Texas Co in/out of New Hitchland Interchang	1/1/2012	1/1/2012
SPS	TEXAS COUNTY INTERCHANGE 115/69KV TRANSFORMER CRT 1	Replace Autos	6/1/2011	6/1/2011
SPS	TUCCO INTERCHANGE 115/69KV TRANSFORMER CRT 3	Add 3rd TUCCO 115/69 kv auto (84/84 MVA)	6/1/2012	6/1/2012
SUNC	HOLCOMB - PLYMELL 115KV CRT 1	Rebuild Holcomb to Plymell	6/1/2012	6/1/2012
SUNC	NORTH CIMARRON 115KV Capacitor	Install 24 MVAR Capacitor bank at North Cimarron 115 kv.	6/1/2010	6/1/2010
SUNC	PIONEER TAP - PLYMELL 115KV CRT 1	Rebuild Plymell to Pioneer Tap.	6/1/2012	6/1/2012
SWPA	5CALCR - NORFORK 161KV CRT 1 SWPA	Replace buswork within bay and change metering CT ratio, replace wavetraps	6/1/2009	1/1/2010
SWPA	BULL SHOALS - BULL SHOALS 161KV CRT 1	Replace buswork in Bull Shoals switchyard	6/1/2009	10/1/2009
SWPA	NIXA - NIXA DT2 - 69.000 69KV CRT 1	Reconductor 69kv line	6/1/2016	6/1/2016
SWPA	NIXA (NIXA X1) 161/69/13.8KV TRANSFORMER CRT 1	Replace with 70MVA transformer	6/1/2012	6/1/2012
SWPA	NIXA 161KV CAP BANK	25Mvar Cap at Nixa	6/1/2013	6/1/2013
WEPL	Cimarron Plant Substation Expansior	Integrate SUNC North Cimarron Tap into reconfigured WEPL Cimarron Plant Sub	6/1/2010	6/1/2010
WEPL	CLAY CENTER - GREENLEAF 115KV CRT 1	Build a new 115 kv line with Westlar from Greenleaf to clay Cente	10/1/2007	6/1/2010
WEPL	HARPER 138KV Capacitor	Install 1 - 20 Mvar capacitor bank	6/1/2011	6/1/2011
WEPL	PLAINVILLE 115KV Capacitor	Install 20 Mvar cap bank at Plainville 115 kv.	6/1/2012	6/1/2012

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

WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line, 556.5 kcmil ACSR	6/1/2008	6/1/2010
WERE	AUBURN ROAD (AUBRN7X) 230/115/13.8KV TRANSFORMER CKT 2	Add second Auburn 230-115 kv transformer	6/1/2016	6/1/2016
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	10/1/2007	6/1/2010
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Tear down / Rebuild 7.3-mile Chase - White Junction 69 kv line. Replace existing 2/0 copper conductor with 795 kcmil ACSR conductor.	6/1/2008	6/1/2010
WERE	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	Rebuild Circle - HEC GT 115 kv line.	6/1/2011	6/1/2011
WERE	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	Rebuild 4.8 miles	6/1/2011	6/1/2011
WERE	EAST MANHATTAN 115KV Capacitor	Install 1 - 30 MVar capacitor bank	6/1/2012	6/1/2012
WERE	East Manhattan to McDowell 230 kv	The East Manhattan-McDowell 115 kv is built as a 230 kv line, but is operated at 115 kv. Substation work will have to be performed in order to convert this line.	6/1/2014	6/1/2014
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	Rebuild 11-mile McDowell-Ft Junction 115 kv 1&2 with 1192.5 kcmil ACSR	6/1/2017	6/1/2017
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2015	6/1/2015
WERE	LITCHFIELD - AQUARIUS - HUDSON JUNCTION 69KV CKT 1	Replace 69 kv disconnect switches at Aquarius	6/1/2016	6/1/2016
WERE	Marathon to Litchfield 69 kv	Open 69kv system between Marathon and Litchfield at Ware Substation	6/1/2013	6/1/2013
WERE	OXFORD 138KV Capacitor	Install 30 MVAR Capacitor Bank at Oxford 138 kV	6/1/2008	6/1/2010
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	10/1/2007	6/1/2010
WERE	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	Rebuild 4.1 miles and operate line close	6/1/2011	6/1/2011
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	6/1/2012	6/1/2012
WERE	Summit - NE Saline 115 kv	Tear down 6.0-miles of Summit-Northview 115 kv, Build 6.0-mile double circuit Summit-Northview 115 kv and Build new 0.5-mile single circuit to Northview-South Gate double circuit and disconnect tower to Northview.	4/1/2008	6/1/2010
WERE	SW Manhattan 230/115 kv	Build SW Manhattan 230-115 kv substation; Convert SW Manhattan-McDowell Creek line to 230 kv operation; Build new SW Manhattan-E Manhattan 115 kv line	6/1/2016	6/1/2016
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Tear down and rebuild 7.88 mile West McPherson-Wheatland 115 kv line	6/1/2012	6/1/2012
WFEC	ACME - WEST NORMAN 69KV CKT 1	Reconductor 4 miles from 4/0 to 795 ACSR	6/1/2012	6/1/2012
WFEC	COLBERT - TEXOMA 138 KV CKT 1	Build new 138kv line from Colbert to Texoma	6/1/2010	6/1/2010
WFEC	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	Replace 70 MVA Auto with 112 MVA autotransformer (100 MVA base Rating). Upgrade 138 and 69 KV buswork and switches.	6/1/2010	6/1/2010
WFEC	HAMMETT - MEEKER 138KV CKT 1	Install 10 miles of 138 kv from MEEKER sub to Hammett Sub and install terminal equipment	6/1/2010	6/1/2010
WFEC	LattaJct Cap Bank	new Switch/cap bank at LattaJct = 12 MVAR	6/1/2010	6/1/2010
WFEC	Norman Area Voltage Conversion	Convert Canadian - OU - Cole - Criner to 138 kv and Canadian-Goldsby-OU-W		
WFEC	PAOLI 138/69KV TRANSFORMER CKT 1	Norman-Acme-Franklin Upgrade to 70 MVA	6/1/2011	6/1/2011
WFEC	RUSSETT - RUSSETT 138KV CKT 1 WFEC	Upgrade to 70 MVA	12/1/2012	12/1/2012
		Upgrade Terminal Equip CTs at Russet	6/1/2014	6/1/2014

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COO)	Estimated Date of Upgrade Completion (EOC)
REPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	5/1/2010	6/1/2010
EMDE	SUB 110 - ORONOGO JCT - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSF	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponosred Project to Reconductor Line to be In-Service by 6/1/2008	6/1/2008	6/1/2008
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponosred Project to Uprate Terminal Equipmen	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponosred Project to Uprate Terminal Equipmen	6/1/2006	6/1/2006
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 kv	5/1/2010	5/1/2010

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	CLINTON - OSCEOLA 161KV CKT 1	Uprate line to 100C	6/1/2016	6/1/2016	Indeterminate
AECI	GEORGETOWN - GEORGETOWN TAP 2 69KV CKT 1	Rebuild Georgetown tap to Georgetown 69 kV	6/1/2012	6/1/2012	\$ 160,000
AECI	GEORGETOWN - SEDALIA 161KV CKT 1	Line rerated to 100C rating of 227MVA	6/1/2011	6/1/2011	Indeterminate
AECI	GEORGETOWN (GEORGETO) 161/69/13.2KV TRANSFORMER CKT 1	Replace transformer at Georgetown	6/1/2010	6/1/2010	\$ 1,000,000
AECI	GEORGETOWN TAP 2 - SEDALIA 69KV CKT 1	Rebuild Georgetown tap to Sedalia 69 kV	6/1/2011	6/1/2011	\$ 1,200,000
AECI	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	12/1/2012	12/1/2012	Indeterminate
AECI	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1 AECI	Indeterminate	6/1/2011	6/1/2011	Indeterminate
		Replace conductor with high ampacity 795 MCM ACSS conductor. No structure changes included.			
AECI	NIXA #1 - SPRINGFIELD 161KV CKT 1	6/1/2016	6/1/2016	\$ 106,600	
AECI	THOMAS HILL (THOMAS H) 345/161/13.8KV TRANSFORMER CKT 1	Install 2nd 345/161 kV transformer	6/1/2017	6/1/2017	\$ 2,800,000
ENTR	5BEE BR - QUITMAN 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	Indeterminate
ENTR	SST _JOE 161.00 - EVERTON 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	Indeterminate
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	6/1/2009	6/1/2011	\$ 7,282,800
ENTR	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	Indeterminate	6/1/2009	6/1/2009	Indeterminate
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	Indeterminate
ENTR	HARRISON-EAST - SUMMIT 161KV CKT 1	Indeterminate	6/1/2013	6/1/2013	Indeterminate
ENTR	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2011	\$ 3,094,000
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	Indeterminate

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

Upgrade: 412SUB - KANSAS TAP 161KV CKT 1
Limiting Facility: 412SUB - KANSAS TAP 161KV CKT 1
Direction: From-To
Line Outage: FLINT CREEK - GRDA1 345KV CKT 1
Flowgate: 2007AG1AFS41T382109SP
Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2009 Summer Peak

Table with columns: Reservation, Relief Amount, Aggregate Relief Amount, Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, and Aggregate Redispatch Amount (MW). The table lists numerous relief pairs between various source control areas and sinks, such as Flint Creek 161KV to Kerr 119KV, Beaver 161KV to Salina 161KV, etc.

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

SWPA	KEYSTONE DAM 161KV	47.99765	0.04179	GRDA	GRDA1 345KV		220	0.10314	-0.06135	33
EMDE	LARUSSEL 161KV	196	-0.02001	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.06135	33	
SWPA	POPULAR BLUFF 69KV	13	-0.00401	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06223	33	
EMDE	RIVERTON 69KV	25.97504	-0.00418	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06239	33	
SWPA	ROBERT S. KERR 161KV	70.91269	0.02194	GRDA	PENSACOLA 161KV	33	0.08378	-0.06184	33	
AEPW	SOUTHWESTERN STATION 138KV	229	0.02207	GRDA	PENSACOLA 161KV	33	0.08378	-0.06171	33	
EMDE	SOUTHWESTERN STATION 138KV	130	0.02207	GRDA	PENSACOLA 161KV	33	0.08378	-0.06171	33	
EMDE	STATE LINE 161KV	106	-0.00934	GRDA	PENSACOLA 69KV	33	0.05243	-0.06171	33	
EMDE	ASBURY 161KV	20	-0.00758	GRDA	PENSACOLA 69KV	33	0.05243	-0.06001	34	
SWPA	BEAVER 161KV	20.28738	-0.06413	SWPA	CLARENCE CANNON DAM 69KV	39.93515	-0.00422	-0.05991	34	
SWPA	BEAVER 161KV	20.28738	-0.06413	EMDE	RIVERTON 69KV	42.02496	-0.00418	-0.05995	34	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.06173	34	
EMDE	FLINT CREEK 161KV	28	-0.12444	SWPA	BEAVER 161KV	145.3126	-0.06413	-0.06031	34	
SWPA	JONESBORO 161KV	12.5	-0.0022	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06041	34	
SWPA	KENNETT 69KV	29	-0.0024	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06061	34	
OKGE	MCCLAIN 138KV	50	0.0235	GRDA	PENSACOLA 161KV	33	0.08378	-0.06028	34	
OKGE	MUSTANG 138KV	49	0.02363	GRDA	PENSACOLA 161KV	33	0.08378	-0.06015	34	
OKGE	MUSTANG 69KV	106	0.02365	GRDA	PENSACOLA 161KV	33	0.08378	-0.06013	34	
SWPA	PARAGOULD 69KV	12	-0.00228	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06049	34	
EMDE	RIVERTON 161KV	118.719	-0.00242	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.06063	34	
OKGE	SEMINOLE 138KV	151.2371	0.0234	GRDA	PENSACOLA 161KV	33	0.08378	-0.06074	34	
OKGE	SOUTH 4TH ST 69KV	42.7	0.02309	GRDA	PENSACOLA 161KV	33	0.08378	-0.06069	34	
OKGE	SPGCK1&2 13.200 345KV	33.3	0.02348	GRDA	PENSACOLA 161KV	33	0.08378	-0.0603	34	
OKGE	SPGCK3&4 13.200 345KV	123	0.02348	GRDA	PENSACOLA 161KV	33	0.08378	-0.0603	34	
OKGE	TINKER 56 138KV	62	0.02369	GRDA	PENSACOLA 161KV	33	0.08378	-0.06009	34	
SWPA	GREERS FERRY 161KV	15.32295	-0.00106	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.05927	35	
OKGE	HORSESHOE LAKE 138KV	134.8748	0.02448	GRDA	PENSACOLA 161KV	33	0.08378	-0.0593	35	
AEPW	OEC 345KV	1791.03	0.02543	GRDA	PENSACOLA 161KV	33	0.08378	-0.05835	35	
OKGE	REDBUD 345KV	1100	0.02474	GRDA	PENSACOLA 161KV	33	0.08378	-0.05904	35	
SWPA	TRUMAN 161KV	76.53438	-0.00643	SWPA	WEBBERS FALLS 161KV	39.54864	0.03663	-0.05896	35	
SWPA	BEAVER 161KV	20.28738	-0.06413	EMDE	ASBURY 161KV	191	-0.00758	-0.05655	36	
SWPA	BEAVER 161KV	20.28738	-0.06413	SWPA	TRUMAN 161KV	103.4656	-0.00643	-0.0577	36	
EMDE	LARUSSEL 161KV	196	-0.02001	AEPW	TULSA POWER STATION 138KV	299	0.03642	-0.05643	36	
EMDE	LARUSSEL 161KV	196	-0.02001	SWPA	WEBBERS FALLS 161KV	39.54864	0.03663	-0.05664	36	
SWPA	POPULAR BLUFF 69KV	13	-0.00401	GRDA	PENSACOLA 161KV	33	0.05243	-0.05644	36	
EMDE	RIVERTON 69KV	25.97504	-0.00418	GRDA	PENSACOLA 69KV	33	0.05243	-0.05661	36	
SWPA	BEAVER 161KV	20.28738	-0.06413	EMDE	STATE LINE 161KV	500	-0.00934	-0.05479	37	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	TULSA POWER STATION 138KV	299	0.03642	-0.05535	37	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	WEBBERS FALLS 161KV	39.54864	0.03663	-0.05566	37	
SWPA	JONESBORO 161KV	12.5	-0.0022	GRDA	PENSACOLA 69KV	33	0.05243	-0.05463	37	
SWPA	KENNETT 69KV	29	-0.0024	GRDA	PENSACOLA 69KV	33	0.05243	-0.05483	37	
EMDE	LARUSSEL 161KV	196	-0.02001	AEPW	NORTHEASTERN STATION 345KV	625	0.03521	-0.05522	37	
EMDE	RIVERTON 161KV	118.719	-0.00242	GRDA	PENSACOLA 69KV	33	0.05243	-0.05486	37	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	BOOMER 69KV	24	0.03453	-0.05346	38	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	NORTHEASTERN STATION 345KV	625	0.03521	-0.05414	38	
SWPA	GREERS FERRY 161KV	15.32295	-0.00106	GRDA	PENSACOLA 69KV	33	0.05243	-0.05349	38	
EMDE	LARUSSEL 161KV	196	-0.02001	GRDA	BOOMER 69KV	24	0.03453	-0.05454	38	
AEPW	MID-CONTINENT 138KV	142.711	0.04861	GRDA	GRDA1 345KV	220	0.10314	-0.05353	38	
AEPW	WELEETHA 138KV	162	0.03002	GRDA	PENSACOLA 161KV	33	0.08378	-0.05376	38	
AEPW	COGENTRIX 345KV	179	0.03086	GRDA	PENSACOLA 161KV	33	0.08378	-0.05292	39	
EMDE	STATE LINE 161KV	106	-0.00934	OKGE	MUSKOGEE 161KV	166	0.04369	-0.05303	39	
EMDE	ASBURY 161KV	20	-0.00758	OKGE	MUSKOGEE 161KV	166	0.04369	-0.05127	40	
EMDE	LARUSSEL 161KV	196	-0.02001	AEPW	EUFALLA 346KV	51.73282	0.03108	-0.05108	40	
EMDE	LARUSSEL 161KV	196	-0.02001	SWPA	EUFALLA 138KV	70.60831	0.03108	-0.05109	40	
EMDE	STATE LINE 161KV	106	-0.00934	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.05113	40	
EMDE	ASBURY 161KV	20	-0.00758	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.04937	41	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	COGENTRIX 345KV	179	0.03086	-0.04947	41	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	SWPA	EUFALLA 138KV	51.73282	0.03108	-0.05001	41	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	SWPA	EUFALLA 161KV	70.60831	0.03108	-0.05001	41	
AEPW	FULTON 115KV	32.99999	0.00852	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04969	41	
AEPW	TRUMAN 161KV	76.53438	-0.00643	OKGE	MUSKOGEE 161KV	166	0.04369	-0.05012	41	
AEPW	ARSENAL HILL 69KV	110	0.00939	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04928	42	
AEPW	EASTMAN 138KV	330.01	0.00977	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04844	42	
AEPW	ELLIS 69KV	19.4	0.00887	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04834	42	
AEPW	KNOXLEE 138KV	139	0.00997	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04964	42	
AEPW	LEBRICK 345KV	532	0.00974	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04895	42	
AEPW	LIEBERMAN 138KV	72	0.0091	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04911	42	
AEPW	NORTHEASTERN STATION 345KV	19.99997	0.03521	GRDA	PENSACOLA 161KV	33	0.08378	-0.04857	42	
AEPW	PIRKEY GENERATION 138KV	45	0.00973	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04848	42	
SWPA	TRUMAN 161KV	76.53438	-0.00643	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.04822	42	
SWPA	BEAVER 161KV	20.28738	-0.06413	SWPA	CARTHAGE 69KV	32	-0.01665	-0.04748	43	
EMDE	LONESTAR POWER PLANT 69KV	50	0.01021	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.048	43	
EMDE	RIVERTON 69KV	25.97504	-0.00418	OKGE	MUSKOGEE 161KV	166	0.04369	-0.04787	43	
AEPW	TULSA POWER STATION 69KV	80	0.03642	GRDA	PENSACOLA 161KV	33	0.08378	-0.04736	43	
SWPA	WEBBERS FALLS 161KV	24.85136	0.03663	GRDA	PENSACOLA 161KV	33	0.08378	-0.04715	43	
AEPW	WILKES 138KV	43.82315	0.0101	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04811	43	
SWPA	KENNETT 69KV	29	-0.0024	OKGE	MUSKOGEE 161KV	166	0.04369	-0.04609	44	
EMDE	RIVERTON 161KV	118.719	-0.00242	OKGE	MUSKOGEE 161KV	166	0.04369	-0.04611	44	
AEPW	TONITOWN 161KV	310.2821	-0.1103	SWPA	BEAVER 161KV	145.3126	-0.06413	-0.04617	44	
SWPA	BEAVER 161KV	20.28738	-0.06413	SWPA	BULL SHOALS 161KV	282.235	-0.01893	-0.0452	45	
EMDE	LARUSSEL 161KV	196	-0.02001	AEPW	OEC 345KV	366	0.02543	-0.04544	45	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	SOONER 138KV	535	0.02502	-0.04503	45	
EMDE	RIVERTON 69KV	25.97504	-0.00418	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.04597	45	
EMDE	STATE LINE 161KV	106	-0.00934	AEPW	TULSA POWER STATION 138KV	299	0.03642	-0.04576	45	
EMDE	STATE LINE 161KV	106	-0.00934	SWPA	WEBBERS FALLS 161KV	39.54864	0.03663	-0.04597	45	
EMDE	ASBURY 161KV	20	-0.00758	SWPA	WEBBERS FALLS 161KV	39.54864	0.03663	-0.04421	46	
SWPA	BEAVER 161KV	20.28738	-0.06413	EMDE	LARUSSEL 161KV	100	-0.02001	-0.04412	46	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	AEPW	OEC 345KV	366	0.02543	-0.04346	46	
SWPA	KENNETT 69KV	29	-0.0024	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.04419	46	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	HORSESHOE LAKE 138KV	725.3252	0.02448	-0.04449	46	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	HORSESHOE LAKE 69KV	16	0.02483	-0.04484	46	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	REDBUD 345KV	100	0.02474	-0.04475	46	
AEPW	NORTHEASTERN STATION 138KV	19.99997	0.03521	GRDA	GRDA1 345KV	220	0.10314	-0.04463	46	
EMDE	RIVERTON 161KV	118.719	-0.00242	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.04421	46	
EMDE	STATE LINE 161KV	106	-0.00934	AEPW	NORTHEASTERN STATION 345KV	625	0.03521	-0.04435	46	
AEPW	ARSENAL HILL 69KV	110	0.00939	GRDA	PENSACOLA 69KV	33	0.05243	-0.0433	47	
EMDE	ASBURY 161KV	20	-0.00758	AEPW	TULSA POWER STATION 138KV	299	0.03642	-0.0434	47	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	OKGE	HORSESHOE LAKE 138KV	725.3252	0.02448	-0.04341	47	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	OKGE	HORSESHOE LAKE 69KV	16	0.02483	-0.04376	47	
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	OKGE	REDBUD 345KV	100	0.02474	-0.04367	47	
AEPW	ELLIS 69KV	19.4	0.00887	GRDA	PENSACOLA 69KV	33	0.05243	-0.04356	47	
AEPW	FITZHUGH 161KV	17	0.01431	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.0439	47	
AEPW	FULTON 115KV	32.99999	0.00852	GRDA	PENSACOLA 69KV	33	0.05243	-0.04391	47	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	MCCLAIN 138KV	470	0.0235	-0.04351	47	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	MUSTANG 138KV	351	0.02363	-0.04364	47	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	SMITH COGEN 138KV	107	0.02364	-0.04365	47	
EMDE	LARUSSEL 161KV	196	-0.02001	OKGE	SPGCK1&2 13.200 345KV	44.7	0.02348	-0.04349	47	
AEPW	LIEBERMAN 138KV	72	0.0091	GRDA	PENSACOLA 69KV	33	0.05243	-0.04333	47	
SWPA	OZARK 161KV	44.09653	0.01429	AEPW	NORTHEASTERN STATION 138KV	488	0.05821	-0.04382	47	
EMDE	STATE LINE 161KV	106	-0.00934	GRDA	BOOMER 69KV	24	0.03453	-0.04387	47	
EMDE	ASBURY 161KV									

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

Reservations	Relief Amount	Aggregate Relief Amount	Source	Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222943	2.0	2.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	KERR 115KV	24.23401	0.16094	-0.28538	7
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	KERR 161KV	13.5	0.17893	-0.30337	7
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	SALINA 161KV	38.33015	0.17893	-0.30337	7
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	KERR 161KV	13.5	0.17893	-0.28923	7
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	SALINA 161KV	38.33015	0.17893	-0.28923	7
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	KERR 161KV	13.5	0.17893	-0.24306	8
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	SALINA 161KV	38.33015	0.17893	-0.24306	8
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	GRDA1 161KV	90	0.12565	-0.25009	8
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	KERR 115KV	24.23401	0.16094	-0.27124	8
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	KERR 115KV	24.23401	0.16094	-0.22507	8
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	SALINA 161KV	220	0.10314	-0.22758	9
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	GRDA1 161KV	90	0.12565	-0.23595	9
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	GRDA	KERR 161KV	13.5	0.17893	-0.19786	10
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	GRDA	SALINA 161KV	38.33015	0.17893	-0.19786	10
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	PENSACOLA 161KV	33	0.08378	-0.20822	10
EMDE	LARUSSEL 161KV	196	-0.02001	GRDA	KERR 161KV	13.5	0.17893	-0.19894	10
EMDE	LARUSSEL 161KV	196	-0.02001	GRDA	SALINA 161KV	38.33015	0.17893	-0.19894	10
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	GRDA1 345KV	220	0.10314	-0.21344	10
EMDE	ASSBURY 161KV	20	-0.00758	GRDA	KERR 161KV	13.5	0.17893	-0.18651	11
EMDE	ASSBURY 161KV	20	-0.00758	GRDA	SALINA 161KV	38.33015	0.17893	-0.18651	11
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	GRDA1 161KV	90	0.12565	-0.18978	11
SWPA	BULL SHOALS 161KV	107.3665	-0.01893	GRDA	KERR 115KV	24.23401	0.16094	-0.17987	11
SWPA	CLARENCE CANNON DAM 69KV	8.06485	-0.00422	GRDA	KERR 161KV	13.5	0.17893	-0.18315	11
SWPA	CLARENCE CANNON DAM 69KV	8.06485	-0.00422	GRDA	SALINA 161KV	38.33015	0.17893	-0.18315	11
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	NORTHEASTERN STATION 138KV	498	0.05821	-0.15265	11
SWPA	GREERS FERRY 161KV	15.32295	-0.00106	GRDA	KERR 161KV	13.5	0.17893	-0.17999	11
SWPA	GREERS FERRY 161KV	15.32295	-0.00106	GRDA	SALINA 161KV	38.33015	0.17893	-0.17999	11
SWPA	JONESBORO 161KV	12.5	-0.0022	GRDA	KERR 161KV	13.5	0.17893	-0.18113	11
SWPA	JONESBORO 161KV	12.5	-0.0022	GRDA	SALINA 161KV	38.33015	0.17893	-0.18113	11
SWPA	KENNETT 69KV	29	-0.0024	GRDA	KERR 161KV	13.5	0.17893	-0.18133	11
SWPA	KENNETT 69KV	29	-0.0024	GRDA	SALINA 161KV	38.33015	0.17893	-0.18133	11
EMDE	LARUSSEL 161KV	196	-0.02001	GRDA	KERR 115KV	24.23401	0.16094	-0.18095	11
SWPA	MALDEN 69KV	10	-0.00251	GRDA	KERR 161KV	13.5	0.17893	-0.18144	11
SWPA	MALDEN 69KV	10	-0.00251	GRDA	SALINA 161KV	38.33015	0.17893	-0.18144	11
SWPA	PARAGOULD 69KV	12	-0.00228	GRDA	KERR 161KV	13.5	0.17893	-0.18121	11
SWPA	PARAGOULD 69KV	12	-0.00228	GRDA	SALINA 161KV	38.33015	0.17893	-0.18121	11
SWPA	PIGGOTT 69KV	7.5	-0.00244	GRDA	KERR 161KV	13.5	0.17893	-0.18137	11
SWPA	PIGGOTT 69KV	7.5	-0.00244	GRDA	SALINA 161KV	38.33015	0.17893	-0.18137	11
SWPA	POPLAR BLUFF 69KV	13	-0.00401	GRDA	KERR 161KV	13.5	0.17893	-0.18024	11
SWPA	POPLAR BLUFF 69KV	13	-0.00401	GRDA	SALINA 161KV	38.33015	0.17893	-0.18024	11
EMDE	RIVERTON 161KV	118.719	-0.00242	GRDA	KERR 161KV	13.5	0.17893	-0.18135	11
EMDE	RIVERTON 161KV	118.719	-0.00242	GRDA	SALINA 161KV	38.33015	0.17893	-0.18135	11
EMDE	RIVERTON 69KV	25.97504	-0.00418	GRDA	KERR 161KV	13.5	0.17893	-0.18311	11
EMDE	RIVERTON 69KV	25.97504	-0.00418	GRDA	SALINA 161KV	38.33015	0.17893	-0.18311	11
EMDE	STATE LINE 161KV	106	-0.00934	GRDA	KERR 161KV	13.5	0.17893	-0.18827	11
EMDE	STATE LINE 161KV	106	-0.00934	GRDA	SALINA 161KV	38.33015	0.17893	-0.18827	11
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	GRDA	PENSACOLA 161KV	33	0.08378	-0.19408	11
SWPA	TRUMAN 161KV	76.53438	-0.00643	GRDA	KERR 161KV	13.5	0.17893	-0.18536	11
SWPA	TRUMAN 161KV	76.53438	-0.00643	GRDA	SALINA 161KV	38.33015	0.17893	-0.18536	11
AEPW	ARSENAL HILL 69KV	110	0.00893	GRDA	KERR 161KV	13.5	0.17893	-0.17	12
AEPW	ARSENAL HILL 69KV	110	0.00893	GRDA	SALINA 161KV	38.33015	0.17893	-0.17	12
EMDE	ASSBURY 161KV	20	-0.00758	GRDA	KERR 115KV	24.23401	0.16094	-0.16623	12
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	GRDA1 345KV	220	0.10314	-0.16727	12
SWPA	CLARENCE CANNON DAM 69KV	8.06485	-0.00422	GRDA	KERR 115KV	24.23401	0.16094	-0.16516	12
AEPW	EASTMAN 138KV	330.01	0.00977	GRDA	KERR 161KV	13.5	0.17893	-0.16916	12
AEPW	EASTMAN 138KV	330.01	0.00977	GRDA	SALINA 161KV	38.33015	0.17893	-0.16916	12
AEPW	ELLIS 69KV	19.4	0.00887	GRDA	KERR 161KV	13.5	0.17893	-0.17006	12
AEPW	ELLIS 69KV	19.4	0.00887	GRDA	SALINA 161KV	38.33015	0.17893	-0.17006	12
AEPW	FITZHUGH 161KV	17	0.01431	GRDA	KERR 161KV	13.5	0.17893	-0.16462	12
AEPW	FITZHUGH 161KV	17	0.01431	GRDA	SALINA 161KV	38.33015	0.17893	-0.16462	12
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.16303	12
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	MUSKOGEE 161KV	166	0.04369	-0.16813	12
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	PENSACOLA 69KV	33	0.05243	-0.17687	12
AEPW	FULTON 115KV	32.99999	0.00852	GRDA	KERR 161KV	13.5	0.17893	-0.17041	12
AEPW	FULTON 115KV	32.99999	0.00852	GRDA	SALINA 161KV	38.33015	0.17893	-0.17041	12
AEPW	KNOXLEE 138KV	139	0.0097	GRDA	KERR 161KV	13.5	0.17893	-0.16923	12
AEPW	KNOXLEE 138KV	139	0.0097	GRDA	SALINA 161KV	38.33015	0.17893	-0.16923	12
AEPW	LEBROCK 345KV	532	0.00974	GRDA	KERR 161KV	13.5	0.17893	-0.16919	12
AEPW	LEBROCK 345KV	532	0.00974	GRDA	SALINA 161KV	38.33015	0.17893	-0.16919	12
AEPW	LIEBERMAN 138KV	72	0.0091	GRDA	KERR 161KV	13.5	0.17893	-0.16983	12
AEPW	LIEBERMAN 138KV	72	0.0091	GRDA	SALINA 161KV	38.33015	0.17893	-0.16983	12
AEPW	LONESTAR POWER PLANT 69KV	50	0.01021	GRDA	KERR 161KV	13.5	0.17893	-0.16872	12
AEPW	LONESTAR POWER PLANT 69KV	50	0.01021	GRDA	SALINA 161KV	38.33015	0.17893	-0.16872	12
AEPW	NORTH MARSHALL 69KV	5	0.00962	GRDA	KERR 161KV	13.5	0.17893	-0.16931	12
SWPA	NORTH MARSHALL 69KV	5	0.00962	GRDA	SALINA 161KV	38.33015	0.17893	-0.16931	12
SWPA	OZARK 161KV	44.09663	0.01429	GRDA	KERR 161KV	13.5	0.17893	-0.16464	12
SWPA	OZARK 161KV	44.09663	0.01429	GRDA	SALINA 161KV	38.33015	0.17893	-0.16464	12
AEPW	PIRKEY GENERATION 138KV	45	0.00973	GRDA	KERR 161KV	13.5	0.17893	-0.1692	12
AEPW	PIRKEY GENERATION 138KV	45	0.00973	GRDA	SALINA 161KV	38.33015	0.17893	-0.1692	12
SWPA	POPLAR BLUFF 69KV	13	-0.00401	GRDA	KERR 115KV	24.23401	0.16094	-0.16495	12
EMDE	RIVERTON 69KV	25.97504	-0.00418	GRDA	KERR 115KV	24.23401	0.16094	-0.16512	12
EMDE	STATE LINE 161KV	106	-0.00934	GRDA	KERR 115KV	24.23401	0.16094	-0.17028	12
AEPW	TONTITTOWN 161KV	310.2621	-0.1103	AEPW	NORTHEASTERN STATION 138KV	498	0.05821	-0.16851	12
SWPA	TRUMAN 161KV	76.53438	-0.00643	GRDA	KERR 115KV	24.23401	0.16094	-0.16737	12
AEPW	WILKES 138KV	43.82315	0.0101	GRDA	KERR 161KV	13.5	0.17893	-0.16883	12
AEPW	WILKES 138KV	43.82315	0.0101	GRDA	SALINA 161KV	38.33015	0.17893	-0.16883	12
WFEC	ANADARKO 138KV	10.90906	0.02221	GRDA	KERR 161KV	13.5	0.17893	-0.15672	13
WFEC	ANADARKO 138KV	10.90906	0.02221	GRDA	SALINA 161KV	38.33015	0.17893	-0.15672	13
AEPW	ARSENAL HILL 69KV	110	0.00893	GRDA	KERR 115KV	24.23401	0.16094	-0.15201	13
SWPA	BROKEN BOW 138KV	15.32295	0.01674	GRDA	KERR 161KV	13.5	0.17893	-0.16219	13
SWPA	BROKEN BOW 138KV	15.32295	0.01674	GRDA	SALINA 161KV	38.33015	0.17893	-0.16219	13
AEPW	COMANCHE 138KV	15	0.0216	GRDA	KERR 161KV	13.5	0.17893	-0.15733	13
AEPW	COMANCHE 138KV	15	0.0216	GRDA	SALINA 161KV	38.33015	0.17893	-0.15733	13
SWPA	DENISON 138KV	9.678329	0.0219	GRDA	KERR 161KV	13.5	0.17893	-0.15703	13
SWPA	DENISON 138KV	9.678329	0.0219	GRDA	SALINA 161KV	38.33015	0.17893	-0.15703	13
AEPW	ELLIS 69KV	19.4	0.00887	GRDA	KERR 115KV	24.23401	0.16094	-0.15207	13
AEPW	FLINT CREEK 161KV	28	-0.12444	GRDA	BODWIER 69KV	24	0.03453	-0.15897	13
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	COGENTRIYR 345KV	85	0.0308	-0.1553	13
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	EUFAULA 138KV	51.73282	0.03108	-0.15552	13
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	EUFAULA 161KV	70.60831	0.03108	-0.15552	13
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	NORTHEASTERN STATION 345KV	625	0.03521	-0.15965	13

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

Market	Market	Market	Market	Market	Market	Market	Market	Market
OKGE	MUSTANG 69KV	106	0.02365	GRDA	KERR 161KV	13.5	0.17893	-0.15528
OKGE	MUSTANG 69KV	106	0.02365	GRDA	SALINA 161KV	38.33015	0.17893	-0.15528
AEPW	OEC 345KV	1791.03	0.02543	GRDA	KERR 161KV	13.5	0.17893	-0.15333
AEPW	OEC 345KV	1791.03	0.02543	GRDA	SALINA 161KV	38.33015	0.17893	-0.15333
SWPA	PARAGOULD 69KV	12	-0.00228	GRDA	KERR 119KV	24.23401	0.16094	-0.16322
SWPA	PIGGOTT 69KV	7.5	-0.00244	GRDA	KERR 119KV	24.23401	0.16094	-0.16328
OKGE	REDBUD 345KV	1100	0.02474	GRDA	KERR 161KV	13.5	0.17893	-0.15419
OKGE	REDBUD 345KV	1100	0.02474	GRDA	SALINA 161KV	38.33015	0.17893	-0.15419
EMDE	RIVERTON 161KV	118.719	-0.00242	GRDA	KERR 119KV	24.23401	0.16094	-0.16336
SWPA	ROBERT S. KERR 161KV	70.91269	0.02194	GRDA	KERR 161KV	13.5	0.17893	-0.15699
SWPA	ROBERT S. KERR 161KV	70.91269	0.02194	GRDA	SALINA 161KV	38.33015	0.17893	-0.15699
OKGE	SEMINOLE 138KV	151.2371	0.02304	GRDA	KERR 161KV	13.5	0.17893	-0.15583
OKGE	SEMINOLE 138KV	151.2371	0.02304	GRDA	SALINA 161KV	38.33015	0.17893	-0.15583
OKGE	SEMINOLE 345KV	10.60004	0.02265	GRDA	KERR 161KV	13.5	0.17893	-0.15628
OKGE	SEMINOLE 345KV	10.60004	0.02265	GRDA	SALINA 161KV	38.33015	0.17893	-0.15628
OKGE	SOONER 138KV	5	0.02502	GRDA	KERR 161KV	13.5	0.17893	-0.15391
OKGE	SOONER 138KV	5	0.02502	GRDA	SALINA 161KV	38.33015	0.17893	-0.15391
OKGE	SOUTH 4TH ST 69KV	42.7	0.02309	GRDA	KERR 161KV	13.5	0.17893	-0.15584
OKGE	SOUTH 4TH ST 69KV	42.7	0.02309	GRDA	SALINA 161KV	38.33015	0.17893	-0.15584
AEPW	SOUTHWESTERN STATION 138KV	229	0.02207	GRDA	KERR 161KV	13.5	0.17893	-0.15686
AEPW	SOUTHWESTERN STATION 138KV	130	0.02207	GRDA	KERR 161KV	13.5	0.17893	-0.15696
AEPW	SOUTHWESTERN STATION 138KV	229	0.02207	GRDA	SALINA 161KV	38.33015	0.17893	-0.15686
AEPW	SOUTHWESTERN STATION 138KV	130	0.02207	GRDA	SALINA 161KV	38.33015	0.17893	-0.15686
OKGE	SPGCK1&2 13.200 345KV	33.3	0.02348	GRDA	KERR 161KV	13.5	0.17893	-0.15545
OKGE	SPGCK1&2 13.200 345KV	33.3	0.02348	GRDA	SALINA 161KV	38.33015	0.17893	-0.15545
OKGE	SPGCK3&4 13.200 345KV	123	0.02348	GRDA	KERR 161KV	13.5	0.17893	-0.15545
OKGE	SPGCK3&4 13.200 345KV	123	0.02348	GRDA	SALINA 161KV	38.33015	0.17893	-0.15545
OKGE	TINKER 5G 138KV	62	0.02369	GRDA	KERR 161KV	13.5	0.17893	-0.15524
OKGE	TINKER 5G 138KV	62	0.02369	GRDA	SALINA 161KV	38.33015	0.17893	-0.15524
AEPW	TONTITOWN 161KV	310.2621	-0.1103	SWPA	KEYSTONE DAM 161KV	152.2024	0.04179	-0.15309
AEPW	TONTITOWN 161KV	310.2621	-0.1103	OKGE	MUSKOGEE 161KV	166	0.04369	-0.15399
AEPW	TONTITOWN 161KV	310.2621	-0.1103	GRDA	PENSACOLA 69KV	33	0.05243	-0.16273
SWPA	BEAVER 161KV	20.28738	-0.06413	GRDA	PENSACOLA 161KV	33	0.08378	-0.14791
SWPA	BROKEN BOW 138KV	15.32295	0.01674	GRDA	KERR 119KV	24.23401	0.16094	-0.1442
SWPA	BULL SHOALS 161KV	107.3665	-0.11993	GRDA	GRDA1 161KV	190	0.12565	-0.14458
SWPA	COGENTRIX 345KV	179	0.03086	GRDA	KERR 119KV	13.5	0.17893	-0.14807
AEPW	COGENTRIX 345KV	179	0.03086	GRDA	SALINA 161KV	38.33015	0.17893	-0.14807
SWPA	EASTMAN 138KV	330.01	0.00977	GRDA	KERR 119KV	24.23401	0.16094	-0.15117
SWPA	EUFULA 138KV	8.267185	0.03108	GRDA	KERR 161KV	13.5	0.17893	-0.14785
SWPA	EUFULA 138KV	8.267185	0.03108	GRDA	SALINA 161KV	38.33015	0.17893	-0.14785
SWPA	EUFULA 161KV	11.3917	0.03108	GRDA	KERR 161KV	13.5	0.17893	-0.14785
SWPA	EUFULA 161KV	11.3917	0.03108	GRDA	SALINA 161KV	38.33015	0.17893	-0.14785
AEPW	FITZHUGH 161KV	17	0.01431	GRDA	KERR 119KV	24.23401	0.16094	-0.14663
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	AES 161KV	100	0.0175	-0.14514
AEPW	FLINT CREEK 161KV	28	-0.12444	WFEFC	ANADARKO 138KV	361.00909	0.02221	-0.14665
AEPW	FLINT CREEK 161KV	28	-0.12444	WFEFC	ANADARKO 69KV	76	0.02229	-0.14673
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	CENTENIAL WIND 34KV	120	0.02239	-0.14683
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	COMANCHE 138KV	115	0.0218	-0.14716
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	COMANCHE 69KV	60	0.0217	-0.14614
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	DENISON 138KV	60.32167	0.0219	-0.14634
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	FPLWIND2 34KV	102	0.02236	-0.14668
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	HORSESHOE LAKE 138KV	725.35252	0.02448	-0.14892
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	HORSESHOE LAKE 69KV	460	0.0246	-0.14927
AEPW	FLINT CREEK 161KV	28	-0.12444	WFEFC	HUGO 138KV	450	0.01788	-0.14232
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	MCCLAIN 138KV	470	0.0235	-0.14794
AEPW	FLINT CREEK 161KV	28	-0.12444	WFEFC	MORLIND 138KV	320	0.02236	-0.14668
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	MUSTANG 138KV	351	0.02363	-0.14807
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	OEC 345KV	356	0.02543	-0.14807
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	REDBUD 345KV	100	0.02474	-0.14918
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	ROBERT S. KERR 161KV	317.7873	0.02194	-0.14638
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SEMINOLE 138KV	353.763	0.02304	-0.14748
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SEMINOLE 345KV	1019	0.02285	-0.14708
AEPW	FLINT CREEK 161KV	28	-0.12444	WFEFC	SLEEPING BEAR 138KV	80	0.02238	-0.14682
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SMITH COGEN 138KV	107	0.02364	-0.14808
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SOONER 138KV	535	0.02502	-0.14946
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SOONER 345KV	537	0.02303	-0.14747
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SOUTHWESTERN STATION 138KV	299	0.02207	-0.14651
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	SOUTHWESTERN STATION 138KV	932	0.02207	-0.14651
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	SPGCK1&2 13.200 345KV	44.7	0.02348	-0.14792
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	WEATHERFORD 34KV	148	0.02172	-0.14616
AEPW	KNOX 345KV	1348	0.01944	GRDA	KERR 119KV	24.23401	0.16094	-0.15415
AEPW	KNOXLEE 138KV	139	0.00977	GRDA	KERR 119KV	24.23401	0.16094	-0.15124
EMDE	LARUSSEL 161KV	196	-0.02001	GRDA	GRDA1 161KV	190	0.12565	-0.14666
AEPW	LEBROCK 345KV	532	0.00974	GRDA	KERR 119KV	24.23401	0.16094	-0.15124
AEPW	LONESTAR POWER PLANT 69KV	50	0.01021	GRDA	KERR 119KV	24.23401	0.16094	-0.15073
OKGE	MUSKOGEE 345KV	77	0.01679	GRDA	KERR 119KV	24.23401	0.16094	-0.14744
AEPW	NORTH MARSHALL 69KV	5	0.00962	GRDA	KERR 119KV	24.23401	0.16094	-0.15132
AEPW	NORTHEASTERN STATION 345KV	19.99977	0.03521	GRDA	KERR 161KV	13.5	0.17893	-0.14372
AEPW	NORTHEASTERN STATION 345KV	19.99977	0.03521	GRDA	SALINA 161KV	38.33015	0.17893	-0.14372
SWPA	OZARK 161KV	44.08863	0.01429	GRDA	KERR 161KV	24.23401	0.16094	-0.14665
AEPW	PIRKEY GENERATION 138KV	45	0.00973	GRDA	KERR 119KV	24.23401	0.16094	-0.15121
AEPW	TONTITOWN 161KV	310.2621	-0.1103	GRDA	BOOMER 69KV	24	0.03453	-0.14483
AEPW	TONTITOWN 161KV	310.2621	-0.1103	SWPA	EUFULA 138KV	51.73282	0.03108	-0.14138
AEPW	TONTITOWN 161KV	310.2621	-0.1103	SWPA	EUFULA 161KV	70.80831	0.03108	-0.14138
AEPW	TONTITOWN 161KV	310.2621	-0.1103	SWPA	NORTHEASTERN STATION 345KV	4	0.03521	-0.14651
AEPW	TONTITOWN 161KV	310.2621	-0.1103	AEPW	TULSA POWER STATION 138KV	299	0.03642	-0.14672
AEPW	TONTITOWN 161KV	310.2621	-0.1103	SWPA	WEBBERS FALLS 161KV	39.54864	0.03663	-0.14693
AEPW	TULSA POWER STATION 69KV	80	0.03642	GRDA	KERR 161KV	13.5	0.17893	-0.14251
AEPW	WEBBERS FALLS 161KV	80	0.03642	GRDA	SALINA 161KV	38.33015	0.17893	-0.14251
SWPA	WEBBERS FALLS 161KV	29.45136	0.03663	GRDA	KERR 161KV	13.5	0.17893	-0.1423
SWPA	WEBBERS FALLS 161KV	29.45136	0.03663	GRDA	SALINA 161KV	38.33015	0.17893	-0.1423
AEPW	WELETKA 138KV	162	0.03002	GRDA	KERR 161KV	13.5	0.17893	-0.14891
AEPW	WELETKA 138KV	162	0.03002	GRDA	SALINA 161KV	38.33015	0.17893	-0.14891
OKGE	WILKES 138KV	43.82316	0.01011	GRDA	KERR 119KV	24.23401	0.16094	-0.14584
WFEFC	ANADARKO 138KV	10.90906	0.02221	GRDA	KERR 119KV	24.23401	0.16094	-0.13873
EMDE	ASBURY 161KV	20	-0.00758	GRDA	GRDA1 161KV	190	0.12565	-0.13323
AEPW	COMANCHE 138KV	15	0.0216	GRDA	KERR 119KV	24.23401	0.16094	-0.13934
SWPA	DENISON 138KV	9.678329	0.02194	GRDA	KERR 119KV	24.23401	0.16094	-0.13934
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	BROKEN BOW 138KV	94.67705	0.01674	-0.14118
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	EASTMAN 138KV	155	0.00977	-0.13421
AEPW	FLINT CREEK 161KV	28	-0.12444	EMDE	ELK RIVER 345KV	44.93687	0.00795	-0.13239
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	ELLIS 69KV	6.6	0.00887	-0.13331
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	FITZHUGH 161KV	24.23401	0.16094	-0.13878
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	KNOXLEE 138KV	284	0.0097	-0.13414
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	LEBROCK 345KV	165	0.00974	-0.13418
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	LIEBERMAN 138KV	156	0.0091	-0.13354
AEPW	FLINT CREEK 161KV	28	-0.12444	OKGE	MUSKOGEE 345KV	1548	0.01679	-0.14123
AEPW	FLINT CREEK 161KV	28	-0.12444	AEPW	NARROWS 69KV	22	0.01234	-0.13878
AEPW	FLINT CREEK 161KV	28	-0.12444	SWPA	OZARK 161KV	151.0434	0.01429	-0.13873

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

Source	Sink	Source GSF	Sink GSF	Factor	Aggregate Relief Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	0.16	0
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	0.77	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEWP	0.243	0
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	117.3135	0
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	0.72	0
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	70.03564	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	1.00	0
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	1.90	0
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	51.35983	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	355.9041	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	1019	0
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	235.2661	0
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	45.99999	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	107	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	535	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	537	0
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	315	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	287	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	932	0
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	44.7	0
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	603.2756	0
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	133	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	25.85791	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	299	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	148	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	1044	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	416.6534	0
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	308	0

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

Factor = Source GSF / Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ALLEN - LEHIGH TAP 69KV CKT 1 & Athens to Owl Creek 69 kv & Green to Vernon 69 kv
 LEHIGH TAP - OWL CREEK 69KV CKT 1 & Vernon to Athens 69 kv
 Limiting Facility: ALLEN - LEHIGH TAP 69KV CKT 1
 Direction: From->To
 Line Outage: TIOGA - UNITED NO. 7 ROSE 69KV CKT 1
 Flowgate: 200TAGIAP54111991105SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Unit EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	5.4	7.5
1222932	1.4	7.5
1222943	0.7	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-1.WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	AES 161KV	320	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	XSBURY 161KV	191	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	BPU - CITY OF MCPHERSON 115KV	45.00586	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	BULL CREEK 161KV	308	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	CENTENIAL WIND 34KV	120	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	CHAMUTE 38KV	56.037	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	CITY OF WINFIELD 69KV	12.69001	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WEPL	CLIFTON 115KV	51.81394	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	COGENTRAX 345KV	965	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIDW	COBLEY 115KV	12.50268	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	COMANCHE 138KV	155	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	COMANCHE 69KV	60	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	EASTMAN 138KV	155	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	ELK RIVER 345KV	44.93687	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	EMPIRIA ENERGY CENTER 345KV	610	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	EVANS ENERGY CENTER 138KV	535	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	FITZHUGH 161KV	109	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	FLINT CREEK 161KV	400	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	FPL/IND2 34KV	102	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	GILL ENERGY CENTER 138KV	155	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	GILL ENERGY CENTER 69KV	75	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WEPL	GRAY COUNTY WIND FARM 115KV	76	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	GREENWOOD 161KV	247.9	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	HAWTHORN 161KV	762	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	HORSESHOE LAKE 138KV	725.3252	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	HORSESHOE LAKE 69KV	16	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	HUTCHINSON ENERGY CENTER 115KV	285	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	IATAN 345KV	396	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIDW	JUDSON LARGE 115KV	100.786	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIDW	KNOLL 115KV	69.85241	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	KNOXLEE 138KV	284	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	LACYGNE UNIT 345KV	958	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	LAKE ROAD 161KV	35	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	LAKE ROAD 34KV	32	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	LARUSSEL 161KV	100	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	LAWRENCE ENERGY CENTER 230KV	234.4852	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	LEBRONCK 345KV	166	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	LIEBERMAN 138KV	155	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	MCCLAINE 138KV	470	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	MONTROSE 161KV	353.4485	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	MUSKOGEE 161KV	166	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	MUSKOGEE 345KV	1548	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	MUSTANG 138KV	35	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	NARROWS 69KV	22	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	NEARMAN 161KV	65.02057	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	NEARMAN 20KV	234.5	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	NORTHEAST 13KV	64.86084	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	NORTHEAST 161KV	35	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	NORTHEASTERN STATION 138KV	488	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	NORTHEASTERN STATION 345KV	625	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	OEC 345KV	356	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	OZARK BEACH 161KV	16	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACP	PAOLA COMBUSTION TURBINES 161KV	77	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	PIRKEY GENERATION 138KV	243	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	QUINDARO 161KV	117.3135	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.KACY	QUINDARO 69KV	72	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	RALPH GREEN 69KV	70.03564	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	REDBUD 345KV	100	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	RIVERTON 161KV	190	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	RIVERTON 69KV	51.35983	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SEMINOLE 138KV	355.9041	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SEMINOLE 345KV	1019	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	SIBLEY 161KV	235.2661	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	SIBLEY 69KV	45.99999	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SMITH COGEN 138KV	107	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SOONER 345KV	537	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.MIPU	SOUTH HARPER 161KV	315	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	SOUTHWESTERN STATION 138KV	287	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SOUTHWESTERN STATION 345KV	603.2756	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.OKGE	SPGCK182 13.200 345KV	44.7	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.EMDE	STATE LINE 161KV	603.2756	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.WERE	TECUMSEH ENERGY CENTER 115KV	133	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	TONTITOWN 161KV	25.85791	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	TULSA POWER STATION 138KV	299	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	WEATHERFORD 34KV	148	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	WELSH 345KV	1044	0	-1	7	7
WERE	CITY OF IOLA 69KV	42.878	-1.AEPW	WILKES 138KV	416.6534	0	-1	7	7

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

WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 345KV	308	0	-1	7
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Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.

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

Upgrade: ALLEN - LEHIGH TAP 69KV CKT 1 & Athens to Owl Creek 69 kV & Green to Vernon 69 kV
 LEHIGH TAP - OWL CREEK 69KV CKT 1 & Vernon to Athens 69 kV
 Limiting Facility: ALLEN - LEHIGH TAP 69KV CKT 1
 Direction: From->To
 Line Outage: ATHENS SWITCHING STATION - OWL CREEK 69KV CKT 1
 Flowgate: 2007AG14FSA112001209SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	3.1	4.3
1222932	0.9	4.3
1222943	0.3	4.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	AES 161KV	320	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	ASBURY 161KV	191	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	BULL CREEK 161KV	308	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	CENTENIAL WIND 34KV	16	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CHANUTE 69KV	56.037	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	COMARRON RIVER 115KV	17.81384	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF MULVANE 69KV	8.29	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF WINFIELD 69KV	12.6901	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	CLIFTON 115KV	65	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COGENTRIX 345KV	200	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	COLEY 115KV	13.10827	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COMANCHE 138KV	145	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COMANCHE 69KV	60	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	EASTMAN 138KV	555	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	ELK RIVER 345KV	149.9969	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	FITZTUGH 161KV	109	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	FLINT CREEK 161KV	400	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	FPLWIND2 34KV	8	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 138KV	165	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	GRAY COUNTY WIND FARM 115KV	70	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPARVILLE 230KV	166.9776	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	GREENWOOD 161KV	247.8	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	HARPER 138KV	8.60001	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	HAWTHORN 161KV	762	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HOLTON 115KV	12.2	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 138KV	796	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 69KV	16	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	205	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	IATAN 345KV	396	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	JUDSON LARGE 115KV	96.65982	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	KNOLL 115KV	68.49275	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	KNOWLES 138KV	294	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	LACYGNE UNIT 345KV	358	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 161KV	111	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 34KV	92	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	LARUSSEL 161KV	100	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	LEBROCK 345KV	315	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	LIEBERMAN 138KV	96.85791	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	MARSHALL 161KV	15	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MCCOLAIN 138KV	470	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	MONTCOEE 161KV	353.5817	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 161KV	166	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 345KV	1548	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSTANG 138KV	351	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSTANG 69KV	30	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NARROWS 69KV	22	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 161KV	45	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 20KV	234.5	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	NEVADA 69KV	18.3	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	NORTHEAST 13KV	36	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 138KV	488	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 345KV	625	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	OEC 345KV	269	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	OZARK BEACH 161KV	16	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	PIRKEY GENERATION 138KV	243	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 161KV	162.6068	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 69KV	129.4	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	RALPH GREEN 69KV	717	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	REDBUD 345KV	150	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 161KV	156.1533	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 69KV	42.9942	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 138KV	462.0428	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 345KV	1019	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 161KV	230.4487	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 69KV	45.99999	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SMITH COGEN 138KV	107	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SMOKEY HILLS 34KV	152	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 138KV	535	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 345KV	537	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOUTH 4TH ST 69KV	37	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SOUTH HARPER 161KV	315	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SOUTH SENECA 115KV	8.6	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	287	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	837	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK1&2 13.200 345KV	60	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	STATE LINE 161KV	532	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	TECUMSEH ENERGY CENTER 115KV	133	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	TINKER 5G 138KV	60	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	TULSA POWER STATION 138KV	299	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WEATHERFORD 34KV	12	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WELSH 345KV	1044	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 138KV	411.095	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 345KV	308	0	-1	4
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	WOODWARD 24KV	10	0	-1	4

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

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

Upgrade: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
 Limiting Facility: ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1
 Direction: To->From
 Line Outage: SPP-WERE-46
 Flowgate: 2007AG14FSA1110681409SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222640	3.0	6.2
1222932	2.3	6.2
1222943	0.9	6.2

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

WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKGGE	'SOONER 138KV'	535	0.03347	-0.25205	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKRGE	'SOONER 345KV'	537	0.02682	-0.24541	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKJGE	'SOUTH SENECA 115KV'	4	0.02965	-0.24823	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPWF	'SOUTHWESTERN STATION 138KV'	173	0.02785	-0.24643	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	'SOUTHWESTERN STATION 138KV'	145	0.02785	-0.24643	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	'SPEARMAN 69KV'	10	0.01002	-0.2286	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKRGE	'SPRICKLE 13.200 345KV'	10	0.02965	-0.24823	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	EMDE	'STATE LINE 161KV'	382.5593	-0.01011	-0.15927	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	'STEER WATER 115KV'	80	0.01094	-0.22952	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	CELE	'TECHE 138KV'	114.5386	0.00758	-0.22616	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	WERE	'TECUMSEH ENERGY CENTER 115KV'	133	-0.03116	-0.18742	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	'TEXAS COUNTY 115KV'	20	0.00993	-0.22365	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	WERE	'TOLK 230KV'	1017.828	0.01304	-0.23162	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	'TRUMAN 161KV'	90.4772	-0.02219	-0.19630	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPWF	'WEATHERFORD 34KV'	12	0.02594	-0.24452	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	'WEBBERS FALLS 161KV'	34.67628	0.03829	-0.25687	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPWF	'WELSH 345KV'	1044	0.01807	-0.23665	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPWF	'WILKES 138KV'	241.442	0.0171	-0.23568	2
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPWF	'WILKES 345KV'	308	0.01689	-0.23547	2
WERE	ABLENE ENERGY CENTER 115KV	66	-0.02908	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.14405	3
EMDE	ASBURY 161KV	20	-0.02035	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.14432	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.02761	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.14258	3
SWPA	CARTHAGE 69KV	19	-0.01193	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.1269	3
WERE	CHANUTE 69KV	36.297	-0.14934	LEPA	'BAYOU RAMOS 138KV'	21.00216	0.00714	-0.15648	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'BEAVER 161KV'	128.3201	0.01192	-0.16126	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'BLACKHAWK 115KV'	220	0.01014	-0.15648	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'BULL SHOALS 161KV'	249.6094	-0.00079	-0.14855	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'CAPROCK 0KV'	80	0.0128	-0.16214	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'CARTHAGE 69KV'	13	-0.01193	-0.13741	3
WERE	CHANUTE 69KV	36.297	-0.14934	LEPA	'CITY OF HOLMA SUB 115KV'	67	0.00649	-0.15583	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'CLARENCE CANNON DAM 69KV'	33.74933	-0.01632	-0.13302	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'CUNNINGHAM 230KV'	196	0.01351	-0.16285	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'CZ 69KV'	37.283	0.01156	-0.1609	3
WERE	CHANUTE 69KV	36.297	-0.14934	CELE	'DOLET HILLS 345KV'	370	0.01429	-0.16363	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'EASTMAN 138KV'	155	0.01663	-0.16597	3
WERE	CHANUTE 69KV	36.297	-0.14934	CELE	'EVANGELINE 138KV'	155	0.00854	-0.15788	3
WERE	CHANUTE 69KV	36.297	-0.14934	CELE	'EVANGELINE 230KV'	194	0.00862	-0.15796	3
WERE	CHANUTE 69KV	36.297	-0.14934	LEPA	'FROGSTATION 69KV'	4	0.00784	-0.15718	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'GREERS FERRY 161KV'	82.90421	0.00746	-0.15583	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'HANSFORD 115KV'	80	0.00998	-0.15932	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'HARRINGTON 230KV'	706	0.00996	-0.1593	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'HOBBS PLT21 18.000 115KV'	10299	0.01354	-0.16287	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'HOBBS PLT31 18.000 230KV'	202	0.01353	-0.16288	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'HUBCOO 69KV'	6.796	0.0145	-0.15693	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'JONES 230KV'	268.9326	0.01458	-0.16392	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'JONESBORO 161KV'	48	0.00131	-0.15065	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'KNOXLEE 138KV'	164	0.01653	-0.16587	3
WERE	CHANUTE 69KV	36.297	-0.14934	EMDE	'LARUSSELL 161KV'	100	-0.01146	-0.13788	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'LEBROCK 345KV'	165	0.01658	-0.16592	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'LP-MACK2 69KV'	60	0.01462	-0.16396	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'MALDEN 69KV'	3	-0.00192	-0.14742	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'MUSTANG 115KV'	300	0.0136	-0.16294	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'MUSTANG 230KV'	160	0.01355	-0.16289	3
WERE	CHANUTE 69KV	36.297	-0.14934	EMDE	'OZARK BEACH 161KV'	16	-0.0032	-0.14614	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'PARAGOULD 69KV'	3.4	0.0003	-0.14964	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'PIRKEY GENERATION 138KV'	223	0.01657	-0.16591	3
WERE	CHANUTE 69KV	36.297	-0.14934	EMDE	'RIVERTON 161KV'	35	-0.01115	-0.13819	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'RIVERTON 69KV'	49.94283	-0.00815	-0.14119	3
WERE	CHANUTE 69KV	36.297	-0.14934	CELE	'RODEMACHER 230KV'	691	0.00943	-0.15877	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'SAN JUAN 230KV'	120	0.01308	-0.16242	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'SIDRCH 69KV'	15.796	0.01015	-0.15949	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'SIKESTON 161KV'	235	-0.00346	-0.14588	3
WERE	CHANUTE 69KV	36.297	-0.14934	WERE	'SMOKEY HILLS 34KV'	126	-0.02692	-0.12242	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'SPEARMAN 69KV'	10	0.01002	-0.15936	3
WERE	CHANUTE 69KV	36.297	-0.14934	EMDE	'STATE LINE 161KV'	382.5593	-0.01011	-0.13923	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'STEER WATER 115KV'	80	0.01094	-0.16028	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'TECHE 138KV'	114.5386	0.00758	-0.15927	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'TEXAS COUNTY 115KV'	20	0.00993	-0.15927	3
WERE	CHANUTE 69KV	36.297	-0.14934	SPS	'TOLK 230KV'	1017.828	0.01304	-0.16238	3
WERE	CHANUTE 69KV	36.297	-0.14934	SWPA	'TRUMAN 161KV'	90.4772	-0.02219	-0.12715	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'WELSH 345KV'	1044	0.01807	-0.16741	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'WILKES 138KV'	241.442	0.0171	-0.16644	3
WERE	CHANUTE 69KV	36.297	-0.14934	AEPWF	'WILKES 345KV'	308	0.01689	-0.16623	3
WERE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.15472	3
WERE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPWF	'NORTHEASTERN STATION 138KV'	468	0.11497	-0.15377	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	LEPA	'BAYOU RAMOS 138KV'	21.00216	0.00714	-0.15648	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'BEAVER 161KV'	128.3201	0.01192	-0.16126	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'BLACKHAWK 115KV'	220	0.01014	-0.15948	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'BULL SHOALS 161KV'	249.6094	-0.00079	-0.14855	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'CAPROCK 0KV'	80	0.0128	-0.16214	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'CARTHAGE 69KV'	13	-0.01193	-0.13741	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	LEPA	'CITY OF HOLMA SUB 115KV'	67	0.00649	-0.15583	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'CLARENCE CANNON DAM 69KV'	33.74933	-0.01632	-0.13302	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'CUNNINGHAM 230KV'	196	0.01351	-0.16285	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'CZ 69KV'	37.283	0.01156	-0.1609	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	CELE	'DOLET HILLS 345KV'	370	0.01429	-0.16363	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	AEPWF	'EASTMAN 138KV'	155	0.01663	-0.16597	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	CELE	'EVANGELINE 138KV'	155	0.00854	-0.15788	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	CELE	'EVANGELINE 230KV'	194	0.00862	-0.15796	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	LEPA	'FROGSTATION 69KV'	4	0.00784	-0.15718	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'GREERS FERRY 161KV'	82.90421	0.00746	-0.15583	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'HANSFORD 115KV'	80	0.00998	-0.15932	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'HARRINGTON 230KV'	706	0.00996	-0.1593	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'HOBBS PLT21 18.000 115KV'	10299	0.01354	-0.16287	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'HOBBS PLT31 18.000 230KV'	202	0.01353	-0.16288	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'HUBCOO 69KV'	6.796	0.01458	-0.15949	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'JONESBORO 161KV'	268.9326	0.01458	-0.16392	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	AEPWF	'KNOXLEE 138KV'	164	0.01653	-0.16587	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	EMDE	'LARUSSELL 161KV'	100	-0.01146	-0.13788	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	AEPWF	'LEBROCK 345KV'	165	0.01658	-0.16592	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'LP-MACK2 69KV'	60	0.01462	-0.16396	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'MALDEN 69KV'	3	-0.00192	-0.14742	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'MUSTANG 115KV'	300	0.0136	-0.16294	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'MUSTANG 230KV'	160	0.01355	-0.16289	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	EMDE	'OZARK BEACH 161KV'	16	-0.0032	-0.14614	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'PARAGOULD 69KV'	3.4	0.0003	-0.14964	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	AEPWF	'PIRKEY GENERATION 138KV'	223	0.01657	-0.16591	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	EMDE	'RIVERTON 161KV'	35	-0.01115	-0.13819	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'RIVERTON 69KV'	49.94283	-0.00815	-0.14119	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	CELE	'RODEMACHER 230KV'	691	0.00943	-0.15877	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'SAN JUAN 230KV'	120	0.01308	-0.16242	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'SIDRCH 69KV'	15.796	0.01015	-0.15949	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SWPA	'SIKESTON 161KV'	235	-0.00346	-0.14588	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	WERE	'SMOKEY HILLS 34KV'	126	-0.02692	-0.12242	3
WERE	CITY OF ERIE 69KV	24.84	-0.14934	SPS	'SPEARMAN 69KV'	10	0.01002	-0.15936	3
WER									

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

WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEWP	OEC 345KV	369	0.06177	-0.08294	5
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	GRDA	SALINA 161KV	37.73117	0.04814	-0.07931	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEWP	COGENTRIX 345KV	965	0.05051	-0.08136	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08077	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	GRDA1 345KV	100	0.04688	-0.07783	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	KERR 115KV	13.5	0.04701	-0.07786	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	KERR 161KV	13.5	0.04814	-0.07899	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08734	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.0878	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEWP	OEC 345KV	369	0.06177	-0.08262	5
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	SALINA 161KV	37.73117	0.04814	-0.07899	5
WERE	HOLTON 115KV	13.8	-0.02962	AEWP	COGENTRIX 345KV	965	0.05051	-0.08136	5
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	GRDA1 161KV	65.14481	0.04992	-0.07954	5
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08661	5
WERE	HOLTON 115KV	13.8	-0.02962	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08657	5
WERE	HOLTON 115KV	13.8	-0.02962	AEWP	OEC 345KV	369	0.06177	-0.08139	5
OKGE	HORSBUSH LAKE 138KV	694	0.03228	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08269	5
WFEC	HUGO 138KV	10	0.0266	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.0837	5
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	AEWP	COGENTRIX 345KV	965	0.05051	-0.0778	5
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08428	5
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.0824	5
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	AEWP	OEC 345KV	369	0.06177	-0.07906	5
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	AEWP	COGENTRIX 345KV	965	0.05051	-0.07779	5
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08427	5
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08423	5
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	AEWP	OEC 345KV	369	0.06177	-0.07905	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	AEWP	COGENTRIX 345KV	965	0.05051	-0.08089	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08003	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	KERR 161KV	13.5	0.04814	-0.07852	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08737	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08733	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	AEWP	OEC 345KV	369	0.06177	-0.08215	5
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	SALINA 161KV	37.73117	0.04814	-0.07852	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	AEWP	COGENTRIX 345KV	965	0.05051	-0.08086	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08077	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	KERR 161KV	13.5	0.04814	-0.07849	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08734	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.0873	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	AEWP	OEC 345KV	369	0.06177	-0.08212	5
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	SALINA 161KV	37.73117	0.04814	-0.07849	5
AEWP	KIOWA 345KV	1348	0.03105	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08392	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	AEWP	COGENTRIX 345KV	965	0.05051	-0.08198	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08139	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	GRDA1 345KV	100	0.04688	-0.07845	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	KERR 115KV	13.5	0.04701	-0.07848	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	KERR 161KV	13.5	0.04814	-0.07961	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08846	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08843	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	AEWP	OEC 345KV	369	0.06177	-0.08324	5
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	SALINA 161KV	37.73117	0.04814	-0.07961	5
OKGE	MCCLAINE 138KV	50	0.03052	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08445	5
WFEC	MORLAND 138KV	12.66	0.02634	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08663	5
OKGE	MUSTANG 138KV	385.5	0.03048	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08451	5
OKGE	MUSTANG 69KV	106	0.03048	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08449	5
OWPA	OWPA-FAIRVIEW 69KV	1.8	0.02672	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08825	5
OWPA	OWPA-KINGFISHER BOWMAN 69KV	8.5	0.02784	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08713	5
OWPA	OWPA-LAVERNE 69KV	4	0.02638	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08659	5
OWPA	OWPA-MANGLUM 69KV	6.2	0.02493	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08204	5
SWPA	OZARK 161KV	56.39631	0.02439	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.09058	5
GRDA	PENSACOLA 161KV	42	0.03466	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08031	5
GRDA	PENSACOLA 69KV	63	0.03639	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.07858	5
OKGE	REBOUD 345KV	1069	0.03371	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08126	5
SWPA	ROBERT S. KERR 161KV	103.9161	0.03058	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08439	5
OKGE	SEMINOLE 138KV	505	0.03147	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.0835	5
OKGE	SEMINOLE 345KV	579.2347	0.03116	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08381	5
OKGE	SMITH COOEN 138KV	3	0.03056	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08441	5
OKGE	SOONER 138KV	51	0.03347	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08815	5
OKGE	SOONER 345KV	3	0.02682	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08815	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02734	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08763	5
WERE	SOUTH SENECA 115KV	12.7	-0.02808	AEWP	COGENTRIX 345KV	965	0.05051	-0.0859	5
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08276	5
WERE	SOUTH SENECA 115KV	12.7	-0.02808	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08607	5
WERE	SOUTH SENECA 115KV	12.7	-0.02808	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08053	5
WERE	SOUTH SENECA 115KV	12.7	-0.02808	AEWP	OEC 345KV	369	0.06177	-0.07985	5
AEWP	SOUTHWESTERN STATION 138KV	265	0.02785	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08712	5
AEWP	SOUTHWESTERN STATION 138KV	382	0.02785	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08712	5
OKGE	SPGCK1&2 13.200 345KV	68	0.02965	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08532	5
OKGE	SPGCK3&4 13.200 345KV	168	0.02965	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08532	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	AEWP	COGENTRIX 345KV	965	0.05051	-0.08167	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08108	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	GRDA1 345KV	100	0.04688	-0.07814	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	KERR 115KV	13.5	0.04701	-0.07817	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	KERR 161KV	13.5	0.04814	-0.0793	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08815	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08811	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	AEWP	OEC 345KV	369	0.06177	-0.08293	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	SALINA 161KV	37.73117	0.04814	-0.0793	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	AEWP	COGENTRIX 345KV	965	0.05051	-0.08162	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08103	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	GRDA1 345KV	100	0.04688	-0.07809	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	KERR 115KV	13.5	0.04701	-0.07812	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	KERR 161KV	13.5	0.04814	-0.07925	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.0881	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.08806	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	AEWP	OEC 345KV	369	0.06177	-0.08288	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	SALINA 161KV	37.73117	0.04814	-0.07925	5
OKGE	TINKER 50 138KV	62	0.03126	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08371	5
AEWP	TONTIOWAN 161KV	346.18	0.03121	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.08376	5
SWPA	TRUMAN 161KV	89.52281	-0.02219	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.07918	5
SWPA	TRUMAN 161KV	89.52281	-0.02219	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.07914	5
WERE	WACO 138KV	30	-0.03105	AEWP	COGENTRIX 345KV	965	0.05051	-0.08156	5
WERE	WACO 138KV	30	-0.03105	GRDA	GRDA1 161KV	65.14481	0.04992	-0.08097	5
WERE	WACO 138KV	30	-0.03105	GRDA	GRDA1 345KV	100	0.04688	-0.07803	5
WERE	WACO 138KV	30	-0.03105	GRDA	KERR 115KV	13.5	0.04701	-0.07806	5
WERE	WACO 138KV	30	-0.03105	GRDA	KERR 161KV	13.5	0.04814	-0.07919	5
WERE	WACO 138KV	30	-0.03105	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.08804	5
WERE	WACO 138KV	30	-0.03105	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.088	5
WERE	WACO 138KV	30	-0.03105	AEWP	OEC 345KV	369	0.06177	-0.08282	5
WERE	WACO 138KV	30	-0.03105	GRDA	SALINA 161KV	37.73117	0.04814	-0.07919	5
WERE	WACO 138KV	30	-0.03105	GRDA	BOOMER 69KV	24	0.04384	-0.07292	6
WERE	WACO 138KV	30	-0.03105	GRDA	GRDA1 345KV	100	0.04688	-0.07806	5
WERE	WACO 138KV	30	-0.03105	GRDA	KERR 115KV	13.5	0.04701	-0.07809	5
WERE	WACO 138KV	30	-0.03105	GRDA	KERR 161KV	13.5	0.04814	-0.07722	6
WERE	WACO 138KV	30	-0.03105	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07229	6
WERE	WACO 138KV	30	-0.03105	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07237	6
WERE	WACO 138KV	30	-0.03105	OWPA	OWPA-KAW 69				

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

SWPA	CARTHAGE 69KV	19	-0.01193	AEPW	NORTHEASTERN STATION 345KV	625	0.06996	-0.06888	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	AES 161KV	320	0.02799	-0.06774	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	WFEF	ANADARKO 138KV	245.8022	0.02815	-0.03870	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	CENTENIAL WIND 34KV	30	0.02644	-0.06619	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPW	COMANCHE 138KV	145	0.02734	-0.06709	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPW	COMANCHE 69KV	60	0.0275	-0.06725	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	SWPA	DENISON 138KV	52.81158	0.03017	-0.06892	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPW	ELLIS 69KV	6	0.02862	-0.06751	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.07607	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.07607	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPW	FLINT CREEK 161KV	400	0.02995	-0.06997	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	FFLWIND 34KV	21	0.02634	-0.06609	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.07203	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.07275	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	WFEF	HUGO 138KV	440	0.0266	-0.06635	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	MCCLAIN 138KV	470	0.03052	-0.07027	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	WFEF	MORLND 138KV	307.34	0.02634	-0.06609	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	GRDA	PENSACOLA 161KV	11	0.03466	-0.07441	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	REDBUD 34KV	150	0.03371	-0.07346	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.07033	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.07091	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SMITH COGEN 138KV	107	0.03056	-0.07031	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SOONER 138KV	535	0.03347	-0.07322	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SOONER 345KV	537	0.02682	-0.06657	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.0676	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	SWPA	SOUTHWESTERN STATION 138KV	173	0.02785	-0.0676	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SPGCK182 13,200 345KV	100	0.02965	-0.06945	6
WRE	CITY OF AUGUSTA 69KV	24.89	-0.03975	OKGE	SPGCK182 13,200 345KV	100	0.02965	-0.0694	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	AES 161KV	320	0.02799	-0.06679	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	WFEF	ANADARKO 138KV	245.8022	0.02815	-0.06695	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	COMANCHE 138KV	145	0.02734	-0.06714	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	COMANCHE 69KV	60	0.0275	-0.0673	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	DENISON 138KV	52.81158	0.03017	-0.06897	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	ELLIS 69KV	6	0.02862	-0.06742	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.07512	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.07512	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	FLINT CREEK 161KV	400	0.02995	-0.06875	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.07108	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.07178	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	MCCLAIN 138KV	470	0.03052	-0.06832	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	GRDA	PENSACOLA 161KV	11	0.03466	-0.07346	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	REDBUD 34KV	150	0.03371	-0.07251	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.06938	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.06996	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	SMITH COGEN 138KV	107	0.03056	-0.07031	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	OKGE	SOONER 138KV	535	0.03347	-0.07227	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.06665	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.06665	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	SPGCK182 13,200 345KV	100	0.02965	-0.06845	6
WRE	CITY OF BURLINGTON 69KV	59.5	-0.0388	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.07709	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	SWPA	BULL SHOALS 161KV	249.6094	-0.00079	-0.07301	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	SWPA	JONESBORO 161KV	48	0.00131	-0.07511	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	SWPA	MALDEN 69KV	3	-0.00192	-0.07188	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	OKGE	OZARK BEACH 161KV	-0.0328	-0.0328	-0.07076	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	SWPA	PARAGOULD 69KV	3.4	0.0003	-0.0741	6
WRE	CITY OF GIRARD 69KV	10.7	-0.0738	SWPA	SIKESTON 161KV	235	-0.00346	-0.07304	6
WRE	CITY OF IOLA 69KV	42.878	-0.12222	EMDE	ELK RIVER 345KV	67.89619	-0.04851	-0.07371	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	GRDA	BOOMER 69KV	24	0.04384	-0.0765	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.0698	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.0698	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07587	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07595	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	OKGE	OMPA-KAW 69KV	19.7209	0.04013	-0.0678	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	GRDA	PENSACOLA 161KV	11	0.03466	-0.06732	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	OKGE	REDBUD 34KV	150	0.03371	-0.06637	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	OKGE	SOONER 138KV	535	0.03347	-0.06713	6
WRE	CITY OF MULVANE 69KV	11.869	-0.03266	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.07063	6
WRE	CITY OF NEOSHO 69KV	6.738	-0.21588	OKGE	CHANUTE 138KV	44.0337	0.03829	-0.07307	6
SWPA	CLARENCE CANNON DAM 69KV	14.25607	-0.01632	GRDA	COGENTRIX 345KV	965	0.06051	-0.06683	6
SWPA	CLARENCE CANNON DAM 69KV	14.25607	-0.01632	AEPW	GRDA1 161KV	65.14481	0.04992	-0.06624	6
SWPA	CLARENCE CANNON DAM 69KV	14.25607	-0.01632	SWPA	KEYSTONE DAM 161KV	135.3712	0.06989	-0.07331	6
SWPA	CLARENCE CANNON DAM 69KV	14.25607	-0.01632	SWPA	NORTHEASTERN STATION 345KV	625	0.06996	-0.06888	6
SWPA	CLARENCE CANNON DAM 69KV	14.25607	-0.01632	AEPW	OEC 345KV	968	0.05177	-0.06809	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	GRDA	BOOMER 69KV	24	0.04384	-0.07334	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.06582	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.06582	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	GRDA	GRDA1 345KV	100	0.04688	-0.07548	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	GRDA	KERR 116KV	13.5	0.04701	-0.07651	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	GRDA	KERR 161KV	13.5	0.04814	-0.07764	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07271	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07379	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.06963	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	GRDA	SALINA 161KV	37.73117	0.04814	-0.07764	6
WRE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06779	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	BOOMER 69KV	24	0.04384	-0.07731	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	GRDA1 161KV	65.14481	0.04992	-0.07139	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	GRDA1 345KV	100	0.04688	-0.07445	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	KERR 116KV	13.5	0.04701	-0.07448	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	KERR 161KV	13.5	0.04814	-0.07561	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07068	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07076	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.0676	6
WRE	ELLINWOOD 115KV	2.9	-0.02747	GRDA	SALINA 161KV	37.73117	0.04814	-0.07561	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	GRDA	BOOMER 69KV	24	0.04384	-0.07439	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.07379	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.06867	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	GRDA	GRDA1 345KV	100	0.04688	-0.07753	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	GRDA	KERR 116KV	13.5	0.04701	-0.07756	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07376	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07384	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07088	6
WRE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06884	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	GRDA	BOOMER 69KV	24	0.04384	-0.07379	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	EUFALLA 138KV	45.2396	0.03632	-0.06627	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	EUFALLA 161KV	61.87923	0.03632	-0.06627	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	GRDA	GRDA1 345KV	100	0.04688	-0.07693	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	GRDA	KERR 116KV	13.5	0.04701	-0.07696	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07316	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07384	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07008	6
WRE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06824	6
WRE	GETTY 69KV	35	-0.04699	OKGE	AES 161KV	320	0.02799	-0.07498	6
WRE	GETTY 69KV	35	-0.04699	WFEF	ANADARKO 138KV	245.8022	0.02815	-0.07514	6
WRE	GETTY 69KV	35	-0.04699	SWPA	BROKEN BOW 138KV	82.90421	0.02517	-0.07216	6
WRE	GETTY 69KV	35	-0.04699	OKGE	CENTENIAL WIND 34KV	30	0.02644	-0.07343	6
WRE	GETTY 69KV	35	-0.04699	AEPW	COMANCHE 138KV	145	0.02734	-0.07433	6
WRE									

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

WERE	GILL ENERGY CENTER 138KV	285	-0.03117	GRDA	PENSACOLA 161KV	11	0.03466	-0.06583	6
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06946	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	BOOMER 69KV	11	0.04384	-0.07469	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06717	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06717	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07406	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07414	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07288	6
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06914	6
GRDA	GRDA1 345KV	120	0.04636	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.06799	6
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	BOOMER 69KV	24	0.04384	-0.07346	6
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06684	6
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06694	6
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	GRDA1 345KV	100	0.04698	-0.0766	6
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	KERR 115KV	13.5	0.04701	-0.07663	6
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	KERR 161KV	13.5	0.04814	-0.07776	6
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07283	6
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07291	6
WERE	HOLTON 115KV	13.8	-0.02962	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.06975	6
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	SALINA 161KV	37.73117	0.04814	-0.07776	6
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06684	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	BOOMER 69KV	24	0.04384	-0.07113	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	GRDA1 161KV	65.14481	0.04992	-0.07271	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	GRDA1 345KV	100	0.04698	-0.07427	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	KERR 115KV	13.5	0.04701	-0.0743	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	KERR 161KV	13.5	0.04814	-0.07742	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	OKGE	MUSKOGEE 161KV	115	0.04321	-0.0705	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07058	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.06742	6
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	GRDA	SALINA 161KV	37.73117	0.04814	-0.07542	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	BOOMER 69KV	24	0.04384	-0.07112	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	GRDA1 161KV	65.14481	0.04992	-0.0722	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	GRDA1 345KV	100	0.04698	-0.07426	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	KERR 115KV	13.5	0.04701	-0.07429	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	KERR 161KV	13.5	0.04814	-0.07742	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07049	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07057	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.06741	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	GRDA	SALINA 161KV	37.73117	0.04814	-0.07542	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	BOOMER 69KV	24	0.04384	-0.07422	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06627	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06627	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	GRDA1 345KV	100	0.04698	-0.07376	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	GRDA	KERR 115KV	13.5	0.04702	-0.07379	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07359	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07367	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07051	6
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06887	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	BOOMER 69KV	24	0.04384	-0.07419	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06667	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06667	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	GRDA1 345KV	100	0.04698	-0.07373	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	GRDA	KERR 115KV	13.5	0.04702	-0.07376	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07356	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07364	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07048	6
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06884	6
GRDA	KERR 115KV	28.5	0.04701	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.06786	6
GRDA	KERR 161KV	28.5	0.04814	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.06683	6
EMDE	LARUSSEL 161KV	196	-0.01146	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.06845	6
EMDE	LARUSSEL 161KV	196	-0.01146	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.06841	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	BOOMER 69KV	24	0.04384	-0.07531	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06779	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06779	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07468	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07476	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07342	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	GRDA	PENSACOLA 161KV	11	0.03466	-0.06613	6
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03147	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06976	6
OKGE	MUSKOGEE 161KV	51	0.04321	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.07176	6
OKGE	MUSKOGEE 345KV	171	0.04329	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.06988	6
OMPA	OMPA-KAW 69KV	3.979103	0.04013	AEWP	NORTHEASTERN STATION 345KV	468	0.11497	-0.07484	6
OMPA	OMPA-PONCA CITY 69KV	56.8	0.04013	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.07484	6
WERE	OXFORD 138KV	3	-0.01376	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.07075	6
WERE	OXFORD 138KV	3	-0.01376	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.07071	6
EMDE	RIVERTON 161KV	295	-0.01115	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.06814	6
EMDE	RIVERTON 161KV	295	-0.01115	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.06811	6
GRDA	SALINA 161KV	60.26883	0.04814	AEWP	NORTHEASTERN STATION 138KV	468	0.11497	-0.06683	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	BOOMER 69KV	24	0.04384	-0.07192	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	GRDA1 345KV	100	0.04698	-0.07506	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	KERR 115KV	13.5	0.04701	-0.07509	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	KERR 161KV	13.5	0.04814	-0.07622	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07129	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07137	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.06945	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	GRDA	SALINA 161KV	37.73117	0.04814	-0.07622	6
WERE	SOUTH SENECA 115KV	12.7	-0.02808	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06637	6
EMDE	STATE LINE 161KV	223.4407	-0.01011	SWPA	KEYSTONE DAM 161KV	135.3172	0.05699	-0.06971	6
EMDE	STATE LINE 161KV	223.4407	-0.01011	AEWP	NORTHEASTERN STATION 345KV	625	0.05695	-0.06708	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	BOOMER 69KV	24	0.04384	-0.0705	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06748	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06748	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07437	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07445	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07129	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	GRDA	PENSACOLA 161KV	11	0.03466	-0.06582	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.06945	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	GRDA	BOOMER 69KV	24	0.04384	-0.06786	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06743	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	EUFAULLA 161KV	61.87923	0.03632	-0.06743	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	OKGE	MUSKOGEE 161KV	115	0.04321	-0.07432	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.0744	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.07124	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.0694	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	BOOMER 69KV	24	0.04384	-0.06603	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	AEWP	COGENTRIX 345KV	965	0.05051	-0.07271	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	GRDA1 161KV	65.14481	0.04992	-0.07211	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	GRDA1 345KV	100	0.04698	-0.06917	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	KERR 115KV	13.5	0.04701	-0.06922	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	KERR 161KV	13.5	0.04814	-0.07033	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	AEWP	OEC 345KV	369	0.05177	-0.07396	6
SWPA	TRUMAN 161KV	89.52281	-0.02219	GRDA	SALINA 161KV	37.73117	0.04814	-0.07033	6
WERE	WACO 138KV	30	-0.03105	GRDA	BOOMER 69KV	24	0.04384	-0.07489	6
WERE	WACO 138KV	30	-0.03105	SWPA	EUFAULLA 138KV	45.2396	0.03632	-0.06737	6
WERE	WACO 138KV	30	-0.03105	SWPA	EUFAULLA 161KV	61.87923	0.03632	-	

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

WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	AEPW	FLINT CREEK 161KV	400	0.02995	-0.0605	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.06283	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.06365	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	WFEC	HUGO 138KV	440	0.0266	-0.05715	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	MCCLAIN 138KV	470	0.03052	-0.06107	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	GRDA	PENSACOLA 161KV	11	0.03466	-0.06521	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	REDBUD 345KV	150	0.03371	-0.06426	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.06143	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.06171	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06111	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	SOONER 138KV	535	0.03347	-0.06402	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	SOONER 345KV	537	0.02682	-0.05737	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.05884	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	AEPW	SOUTHWESTERN STATION 138KV	145	0.02785	-0.05884	7
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	OKGE	SPGCK1&2 13.200 345KV	10	0.02965	-0.0602	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	AES 161KV	520	0.02799	-0.05794	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	WFEC	ANADARKO 138KV	245.8022	0.02815	-0.0581	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	AEPW	COMANCHE 138KV	145	0.02734	-0.05729	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	AEPW	COMANCHE 69KV	60	0.0275	-0.05745	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	DENISON 138KV	52.81158	0.03017	-0.06012	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	AEPW	ELLIS 69KV	6	0.02662	-0.05957	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	FLINT CREEK 161KV	400	0.02995	-0.05959	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.06223	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.06295	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	MCCLAIN 138KV	470	0.03052	-0.06047	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	GRDA	PENSACOLA 161KV	11	0.03466	-0.06461	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	REDBUD 345KV	150	0.03371	-0.06366	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.06053	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.06111	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06051	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	SOONER 138KV	535	0.03347	-0.06343	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.05878	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	AEPW	SOUTHWESTERN STATION 138KV	145	0.02785	-0.05878	7
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	OKGE	SPGCK1&2 13.200 345KV	10	0.02965	-0.05996	7
WERE	GETTY 69KV	35	-0.04699	SWPA	BEAVER 161KV	128.3201	0.01132	-0.05891	7
WERE	GETTY 69KV	35	-0.04699	SPS	BLACKHAWK 115KV	220	0.01014	-0.05713	7
WERE	GETTY 69KV	35	-0.04699	SPS	CAPROCK 0KV	80	0.0128	-0.05679	7
WERE	GETTY 69KV	35	-0.04699	SPS	CUNNINGHAM 230KV	196	0.01351	-0.05905	7
WERE	GETTY 69KV	35	-0.04699	SPS	CZ 69KV	37.283	0.01158	-0.05855	7
WERE	GETTY 69KV	35	-0.04699	CLE	DOLET HILLS 345KV	370	0.01429	-0.06128	7
WERE	GETTY 69KV	35	-0.04699	AEPW	EASTMAN 138KV	155	0.01663	-0.06362	7
WERE	GETTY 69KV	35	-0.04699	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.06053	7
WERE	GETTY 69KV	35	-0.04699	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.06052	7
WERE	GETTY 69KV	35	-0.04699	SPS	HUBBARD 69KV	676	0.01015	-0.05714	7
WERE	GETTY 69KV	35	-0.04699	SPS	JONES 230KV	268.9326	0.01458	-0.06167	7
WERE	GETTY 69KV	35	-0.04699	AEPW	KNOXLEE 138KV	164	0.01653	-0.06352	7
WERE	GETTY 69KV	35	-0.04699	AEPW	LEBROCK 345KV	165	0.01658	-0.06357	7
WERE	GETTY 69KV	35	-0.04699	SPS	MORNINGSTAR 69KV	60	0.02462	-0.06161	7
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 115KV	300	0.0136	-0.05959	7
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 230KV	160	0.01355	-0.06054	7
WERE	GETTY 69KV	35	-0.04699	AEPW	PIRKEY GENERATION 138KV	223	0.01657	-0.06356	7
WERE	GETTY 69KV	35	-0.04699	SPS	SAN JUAN 230KV	120	0.01308	-0.06007	7
WERE	GETTY 69KV	35	-0.04699	SPS	SUNNYSIDE 69KV	15.756	0.01308	-0.06007	7
WERE	GETTY 69KV	35	-0.04699	SPS	STEER WATER 115KV	80	0.01094	-0.05793	7
WERE	GETTY 69KV	35	-0.04699	SPS	TOLK 230KV	1017.828	0.01304	-0.06003	7
WERE	GETTY 69KV	35	-0.04699	AEPW	WELSH 345KV	1044	0.01807	-0.06006	7
WERE	GETTY 69KV	35	-0.04699	AEPW	WILKES 138KV	241.442	0.0171	-0.06049	7
WERE	GETTY 69KV	35	-0.04699	AEPW	WILKES 230KV	348	0.01689	-0.06038	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	AES 161KV	320	0.02799	-0.05916	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	WFEC	ANADARKO 138KV	245.8022	0.02815	-0.05932	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	CENTENIAL WIND 34KV	30	0.02644	-0.05761	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	COMANCHE 138KV	145	0.02734	-0.05729	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	COMANCHE 69KV	60	0.0275	-0.05867	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SWPA	DENISON 138KV	52.81158	0.03017	-0.06134	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	ELLIS 69KV	6	0.02662	-0.05959	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	FLINT CREEK 161KV	400	0.02995	-0.0612	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	FPLWIND2 34KV	21	0.02634	-0.05743	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.06345	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.06417	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	WFEC	HUGO 138KV	440	0.0266	-0.05777	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	MCCLAIN 138KV	470	0.03052	-0.06169	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	WFEC	MORLIND 138KV	307.34	0.02634	-0.05751	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	REDBUD 345KV	150	0.03371	-0.06488	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.06175	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.06233	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06173	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	SOONER 138KV	535	0.03347	-0.06464	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	SOONER 345KV	537	0.02682	-0.05799	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.05902	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	145	0.02785	-0.05902	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	OKGE	SPGCK1&2 13.200 345KV	10	0.02965	-0.06085	7
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05711	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	AES 161KV	320	0.02799	-0.05884	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	WFEC	ANADARKO 138KV	245.8022	0.02815	-0.059	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	CENTENIAL WIND 34KV	30	0.02644	-0.05761	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	COMANCHE 138KV	145	0.02734	-0.05819	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	COMANCHE 69KV	60	0.0275	-0.05835	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	DENISON 138KV	52.81158	0.03017	-0.06102	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	ELLIS 69KV	6	0.02662	-0.05947	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	FLINT CREEK 161KV	400	0.02995	-0.0605	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	FPLWIND2 34KV	21	0.02634	-0.05719	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.06313	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.06385	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	WFEC	HUGO 138KV	440	0.0266	-0.05745	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	MCCLAIN 138KV	470	0.03052	-0.06137	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	GRDA	MORLIND 138KV	307.34	0.02634	-0.05719	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	WFEC	PENSACOLA 161KV	11	0.03466	-0.06551	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	REDBUD 345KV	150	0.03371	-0.06456	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.06143	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.06201	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06141	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	SOONER 138KV	535	0.03347	-0.06432	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	SOONER 345KV	537	0.02682	-0.05767	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	SOUTHWESTERN STATION 138KV	173	0.02785	-0.0587	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	AEPW	SOUTHWESTERN STATION 138KV	145	0.02785	-0.0587	7
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	OKGE	SPGCK1&2 13.200 345KV	10	0.02965	-0.0605	7
WERE	GRDA	124.8552	-0.04992	AEPW	NORTHEASTERN STATION 138KV	468	0.11497	-0.06505	7
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	AES 161KV	320	0.02799	-0.05743	7
WERE	HOLTON 115KV	13.8	-0.02962	WFEC	ANADARKO 138KV	245.8022	0.02815	-0.05777	7
WERE	HOLTON 115KV	13.8	-0.02962	AEPW	COMANCHE 69KV	60	0.0275	-0.05712	7
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	DENISON 138KV	52.81158	0.03017	-0.05979	7
WERE	HOLTON 115KV	13.8	-0.02962	AEPW	ELLIS 69KV	6	0.02662	-0.05924	7
WERE	HOLTON 115KV	13.8	-0.02962	AEPW	FLINT CREEK 161KV	400	0.02995	-0.05957	7
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.0619	7
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.06262	7
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	MCCLAIN 138KV	470	0.03052	-0.06014	7
WERE	HOLTON 115KV	13.8	-0.02962	GRDA	PENSACOLA 161KV	11	0.03466	-0.06428	7
WERE	HOLTON 115KV	13.8	-0.02962	OKGE	REDBUD 3				

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

Table with columns: From Bus, To Bus, From Flow MVA, To Flow MVA, From Bus Name, To Bus Name, From Bus Type, To Bus Type, From Bus Voltage, To Bus Voltage, From Bus Count, To Bus Count, From Bus Name, To Bus Name, From Bus Type, To Bus Type, From Bus Voltage, To Bus Voltage, From Bus Count, To Bus Count.

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

SPS	HARRINGTON 230KV		360	0.00996	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04699	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	EASTMAN 138KV		155	0.01663	-0.04629	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	KNOXLEE 138KV		164	0.01653	-0.04615	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	LEBROCK 345KV		165	0.01658	-0.0462	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	PIRKEY GENERATION 138KV		223	0.01657	-0.04619	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	WELSH 345KV		1044	0.01807	-0.04769	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	WILKES 138KV		241.442	0.01711	-0.04672	9
WERE	HOLTON 115KV		13.8	-0.02962	AEWP	WILKES 345KV		308	0.01689	-0.04651	9
SPS	HUBRCCO2 69KV		4.204	0.01015	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04684	9
SPS	HUBRCCO2 69KV		4.204	0.01015	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04688	9
WERE	HUTCHINSON ENERGY CENTER 115KV		399	-0.02729	AEWP	WELSH 345KV		1044	0.01807	-0.04536	9
WERE	HUTCHINSON ENERGY CENTER 69KV		53	-0.02729	AEWP	WELSH 345KV		1044	0.01807	-0.04536	9
LEPA	IRION SUB 230KV		44	0.00648	AEWP	OEC 345KV		369	0.05177	-0.04529	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	EASTMAN 138KV		155	0.01663	-0.04701	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	KNOXLEE 138KV		164	0.01653	-0.04691	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	LEBROCK 345KV		165	0.01658	-0.04696	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	PIRKEY GENERATION 138KV		223	0.01657	-0.04695	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	WELSH 345KV		1044	0.01807	-0.04845	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	WILKES 138KV		241.442	0.01711	-0.04748	9
WERE	JEFFREY ENERGY CENTER 230KV		24	-0.03038	AEWP	WILKES 345KV		308	0.01689	-0.04727	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	EASTMAN 138KV		155	0.01663	-0.04698	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	KNOXLEE 138KV		164	0.01653	-0.04688	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	LEBROCK 345KV		165	0.01658	-0.04693	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	PIRKEY GENERATION 138KV		223	0.01657	-0.04692	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	WELSH 345KV		1044	0.01807	-0.04942	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	WILKES 138KV		241.442	0.01711	-0.04874	9
WERE	JEFFREY ENERGY CENTER 345KV		42	-0.03035	AEWP	WILKES 345KV		308	0.01689	-0.04724	9
SWPA	JONESBORO 161KV		35.8	0.00131	AEWP	COGENTRIX 345KV		965	0.05051	-0.0482	9
SWPA	JONESBORO 161KV		35.8	0.00131	GRDA	GRDA1 161KV		65.14481	0.04992	-0.04861	9
SWPA	JONESBORO 161KV		35.8	0.00131	GRDA	GRDA1 345KV		100	0.04688	-0.04867	9
SWPA	JONESBORO 161KV		35.8	0.00131	GRDA	KERR 115KV		13.5	0.04701	-0.04567	9
SWPA	JONESBORO 161KV		35.8	0.00131	GRDA	KERR 161KV		13.5	0.04814	-0.04683	9
SWPA	JONESBORO 161KV		35.8	0.00131	GRDA	SALINA 161KV		37.73117	0.04814	-0.04683	9
SWPA	KENNETT 69KV		29	-0.00106	GRDA	GRDA1 345KV		100	0.04688	-0.04804	9
SWPA	KENNETT 69KV		29	-0.00106	GRDA	KERR 115KV		13.5	0.04701	-0.04567	9
SWPA	KENNETT 69KV		29	-0.00106	GRDA	KERR 161KV		13.5	0.04814	-0.04682	9
SWPA	KENNETT 69KV		29	-0.00106	GRDA	SALINA 161KV		37.73117	0.04814	-0.04682	9
EMDE	LARUSSEL 161KV		196	-0.01146	SWPA	EUFAULLA 138KV		45.2396	0.03632	-0.04778	9
EMDE	LARUSSEL 161KV		196	-0.01146	SWPA	EUFAULLA 161KV		61.87923	0.03632	-0.04778	9
EMDE	LARUSSEL 161KV		196	-0.01146	GRDA	PENSACOLA 161KV		11	0.03466	-0.04612	9
EMDE	LARUSSEL 161KV		196	-0.01146	OKGE	REDBUD 345KV		150	0.03371	-0.04517	9
EMDE	LARUSSEL 161KV		196	-0.01146	SWPA	WEBBERS FALLS 161KV		34.67628	0.03829	-0.04975	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	CELE	DOLETT HILLS 345KV		370	0.01429	-0.04576	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	EASTMAN 138KV		155	0.01663	-0.04681	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	SPS	JONES 230KV		268.9326	0.01458	-0.04605	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	KNOXLEE 138KV		164	0.01653	-0.046	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	LEBROCK 345KV		165	0.01658	-0.04605	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	LP-MACK2 69KV		60	0.01462	-0.04573	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	SPS	MUSTANG 115KV		300	0.0136	-0.04507	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	PIRKEY GENERATION 138KV		223	0.01657	-0.04804	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	WELSH 345KV		1044	0.01807	-0.04954	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	WILKES 138KV		241.442	0.01711	-0.04857	9
WERE	LAWRENCE ENERGY CENTER 230KV		46.4469	-0.03147	AEWP	WILKES 345KV		308	0.01689	-0.04836	9
SWPA	MALDEN 69KV		14	-0.00192	GRDA	BOOMER 69KV		24	0.04384	-0.04576	9
SWPA	MALDEN 69KV		14	-0.00192	GRDA	GRDA1 345KV		100	0.04688	-0.0489	9
SWPA	MALDEN 69KV		14	-0.00192	GRDA	KERR 115KV		13.5	0.04701	-0.04893	9
SWPA	MALDEN 69KV		14	-0.00192	GRDA	KERR 161KV		13.5	0.04814	-0.05006	9
SWPA	MALDEN 69KV		14	-0.00192	OKGE	MUSKOGEE 161KV		115	0.0432	-0.04584	9
SWPA	MALDEN 69KV		14	-0.00192	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.04521	9
SWPA	MALDEN 69KV		14	-0.00192	GRDA	SALINA 161KV		37.73117	0.04814	-0.05006	9
SPS	MOORE COUNTY 115KV		48	0.0097	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04729	9
SPS	MOORE COUNTY 115KV		48	0.0097	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04725	9
CELE	NATCHITOCHES 69KV		43	0.01093	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04606	9
CELE	NATCHITOCHES 69KV		43	0.01093	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04602	9
SPS	NICHOLS 115KV		213	0.01036	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04663	9
SPS	NICHOLS 115KV		213	0.01036	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04659	9
SPS	NICHOLS 230KV		244	0.01004	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04629	9
SPS	NICHOLS 230KV		244	0.01004	AEWP	NORTHEASTERN STATION 345KV		625	0.05695	-0.04691	9
WERE	OXFORD 138KV		3	-0.01376	SWPA	EUFAULLA 138KV		45.2396	0.03632	-0.05008	9
WERE	OXFORD 138KV		3	-0.01376	SWPA	EUFAULLA 161KV		61.87923	0.03632	-0.05008	9
WERE	OXFORD 138KV		3	-0.01376	OKGE	HORSESHOE LAKE 138KV		116	0.03228	-0.04692	9
WERE	OXFORD 138KV		3	-0.01376	OKGE	HORSESHOE LAKE 69KV		116	0.033	-0.04676	9
WERE	OXFORD 138KV		3	-0.01376	GRDA	PENSACOLA 161KV		11	0.03466	-0.04842	9
WERE	OXFORD 138KV		3	-0.01376	OKGE	REDBUD 345KV		150	0.03371	-0.04747	9
WERE	OXFORD 138KV		3	-0.01376	OKGE	SOOMER 138KV		535	0.03347	-0.04723	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	COGENTRIX 345KV		965	0.05051	-0.05021	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	GRDA1 161KV		65.14481	0.04992	-0.04962	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	GRDA1 345KV		100	0.04688	-0.04668	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	KERR 115KV		13.5	0.04701	-0.04671	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	KERR 161KV		13.5	0.04814	-0.04784	9
SWPA	PARAGOULD 69KV		14.1	0.0003	GRDA	SALINA 161KV		37.73117	0.04814	-0.04784	9
SWPA	PIGGOTT 69KV		7.5	-0.00137	GRDA	BOOMER 69KV		24	0.04384	-0.04521	9
SWPA	PIGGOTT 69KV		7.5	-0.00137	GRDA	GRDA1 345KV		100	0.04688	-0.04835	9
SWPA	PIGGOTT 69KV		7.5	-0.00137	GRDA	KERR 115KV		13.5	0.04701	-0.04838	9
SWPA	PIGGOTT 69KV		7.5	-0.00137	GRDA	KERR 161KV		13.5	0.04814	-0.04951	9
SWPA	PIGGOTT 69KV		7.5	-0.00137	GRDA	SALINA 161KV		37.73117	0.04814	-0.04951	9
SWPA	POPLAR BLUFF 69KV		13	-0.00365	GRDA	BOOMER 69KV		24	0.04384	-0.04749	9
SWPA	POPLAR BLUFF 69KV		13	-0.00365	OKGE	MUSKOGEE 161KV		115	0.04321	-0.04686	9
SWPA	POPLAR BLUFF 69KV		13	-0.00365	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.04696	9
EMDE	RIVERTON 161KV		295	-0.01115	SWPA	EUFAULLA 138KV		45.2396	0.03632	-0.04747	9
EMDE	RIVERTON 161KV		295	-0.01115	GRDA	EUFAULLA 161KV		61.87923	0.03632	-0.04747	9
EMDE	RIVERTON 161KV		295	-0.01115	GRDA	PENSACOLA 161KV		11	0.03466	-0.04581	9
EMDE	RIVERTON 161KV		295	-0.01115	SWPA	WEBBERS FALLS 161KV		34.67628	0.03829	-0.04944	9
EMDE	RIVERTON 69KV		18.05717	-0.00815	SWPA	OMPA-KAW 69KV		11	0.029	-0.04529	9
EMDE	RIVERTON 69KV		18.05717	-0.00815	SWPA	WEBBERS FALLS 161KV		34.67628	0.03829	-0.04644	9
SPS	RIVERVIEW 69KV		23	0.01015	SWPA	KEYSTONE DAM 161KV		135.3172	0.05699	-0.04684	9
SPS	RIVERVIEW 69KV		23	0.01015	AEWP	NORTHEASTERN STATION 345KV		625	0.05695</		

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

WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	SPS	SAN JUAN 230KV	120	0.1308	-0.04258	10
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.0295	SPS	TOLK 230KV	1017.828	0.1304	-0.04254	10
SPS	CUNNINGHAM 115KV	181	0.1354	SWPA	KEYSTONE DAM 161KV	135.3173	0.06689	-0.04345	10
SPS	CUNNINGHAM 115KV	181	0.1354	AEPWP	NORTHEASTERN STATION 345KV	625	0.06695	-0.04341	10
SPS	CUNNINGHAM 230KV	110	0.1351	SWPA	KEYSTONE DAM 161KV	135.3172	0.06699	-0.04348	10
SPS	CUNNINGHAM 230KV	110	0.1351	AEPWP	NORTHEASTERN STATION 345KV	625	0.06695	-0.04344	10
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00918	AEPWP	COGENTRIX 345KV	965	0.05051	-0.04132	10
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	AEPWP	CEC 345KV	369	0.05177	-0.04208	10
CELE	DOLET HILLS 345KV	10	0.1429	SWPA	KEYSTONE DAM 161KV	135.3172	0.06699	-0.0427	10
CELE	DOLET HILLS 345KV	10	0.1429	AEPWP	NORTHEASTERN STATION 345KV	625	0.06695	-0.04266	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04247	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	CAPROCK OKV	80	0.0128	-0.04265	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04406	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	CZ 69KV	37.283	0.01156	-0.04211	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	CELE	DOLET HILLS 345KV	370	0.01429	-0.04484	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.04409	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	HOBBS_PLT31 18.000 230KV	202	0.01353	-0.04408	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	MUSTANG 115KV	300	0.0136	-0.04415	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	MUSTANG 230KV	160	0.01355	-0.0441	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	SAN JUAN 230KV	120	0.01308	-0.04363	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	STEER WATER 115KV	80	0.01094	-0.04149	10
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03055	SPS	TOLK 230KV	1017.828	0.01304	-0.04359	10
CELE	EVANGELINE 138KV	157	0.00854	AEPWP	COGENTRIX 345KV	965	0.05051	-0.04197	10
CELE	EVANGELINE 138KV	157	0.00854	GRDA	GRDA1 161KV	65.14481	0.04992	-0.04138	10
CELE	EVANGELINE 138KV	157	0.00854	AEPWP	CEC 345KV	369	0.05177	-0.04233	10
CELE	EVANGELINE 230KV	231	0.00862	AEPWP	COGENTRIX 345KV	965	0.05051	-0.04168	10
CELE	EVANGELINE 230KV	231	0.00862	GRDA	GRDA1 161KV	65.14481	0.04992	-0.0413	10
CELE	EVANGELINE 230KV	231	0.00862	AEPWP	CEC 345KV	369	0.05177	-0.04315	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04187	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	CAPROCK OKV	80	0.0128	-0.04275	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04346	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	CZ 69KV	37.283	0.01156	-0.04151	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	CELE	DOLET HILLS 345KV	370	0.01429	-0.04424	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.04349	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	HOBBS_PLT31 18.000 230KV	202	0.01353	-0.04348	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	JONES 230KV	268.9326	0.01458	-0.04453	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	LP-MACK2 69KV	60	0.01462	-0.04457	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	MUSTANG 115KV	300	0.0136	-0.04355	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	MUSTANG 230KV	160	0.01355	-0.0435	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	SAN JUAN 230KV	120	0.01308	-0.04303	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	STEER WATER 115KV	80	0.01094	-0.04089	10
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	SPS	TOLK 230KV	1017.828	0.01304	-0.04299	10
AEPWP	FULTON 115KV	32.99999	0.01502	SWPA	KEYSTONE DAM 161KV	135.3172	0.06699	-0.04197	10
AEPWP	FULTON 115KV	32.99999	0.01502	SWPA	NORTHEASTERN STATION 345KV	625	0.06689	-0.04193	10
WERE	GETTY 69KV	35	-0.04699	EMDE	OZARK BEACH 161KV	16	-0.0032	-0.04379	10
WERE	GETTY 69KV	35	-0.04699	SWPA	SIKESTON 161KV	235	-0.00346	-0.04353	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04309	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	BLACKHAWK 115KV	220	0.01014	-0.04331	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	CAPROCK OKV	80	0.0128	-0.04397	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04468	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	CZ 69KV	37.283	0.01156	-0.04273	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	HANSFORD 115KV	80	0.00998	-0.04115	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	HARRINGTON 230KV	706	0.00998	-0.04113	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.04471	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	HOBBS_PLT31 18.000 230KV	202	0.01353	-0.04447	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	HUBRCO2 69KV	6.796	0.01015	-0.04132	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	MUSTANG 115KV	300	0.0136	-0.0445	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	MUSTANG 230KV	160	0.01355	-0.04472	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	SAN JUAN 230KV	120	0.01308	-0.04425	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	SIDRCH 69KV	15.796	0.01015	-0.04132	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	SPEARMAN 69KV	10	0.01002	-0.04119	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	STEER WATER 115KV	80	0.01094	-0.04211	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.0411	10
WERE	GILL ENERGY CENTER 138KV	285	-0.03117	SPS	TOLK 230KV	1017.828	0.01304	-0.04421	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04277	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	BLACKHAWK 115KV	220	0.01014	-0.04399	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	CAPROCK OKV	80	0.0128	-0.04365	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04436	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	CZ 69KV	37.283	0.01156	-0.04241	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	HANSFORD 115KV	80	0.00998	-0.04083	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	HARRINGTON 230KV	706	0.00998	-0.04117	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.04438	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	HOBBS_PLT31 18.000 230KV	202	0.01353	-0.04438	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	HUBRCO2 69KV	6.796	0.01015	-0.041	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	MUSTANG 115KV	300	0.0136	-0.04445	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	MUSTANG 230KV	160	0.01355	-0.0444	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	SAN JUAN 230KV	120	0.01308	-0.04393	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	SIDRCH 69KV	15.796	0.01015	-0.041	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	SPEARMAN 69KV	10	0.01002	-0.04087	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	STEER WATER 115KV	80	0.01094	-0.04179	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04078	10
WERE	GILL ENERGY CENTER 69KV	118	-0.03085	SPS	TOLK 230KV	1017.828	0.01304	-0.04389	10
SWPA	GREENS FERRY 161KV	27.09579	0.00746	AEPWP	COGENTRIX 345KV	965	0.05051	-0.04305	10
SWPA	GREENS FERRY 161KV	27.09579	0.00746	GRDA	GRDA1 161KV	65.14481	0.04992	-0.04266	10
SWPA	GREENS FERRY 161KV	27.09579	0.00746	AEPWP	CEC 345KV	369	0.05177	-0.04341	10
SPS	HARRINGTON 230KV	360	0.00996	AEPWP	CEC 345KV	369	0.05177	-0.04181	10
SPS	HOBBS_PLT31 18.000 230KV	7.9999885	0.01353	SWPA	KEYSTONE DAM 161KV	135.3172	0.06699	-0.04346	10
SPS	HOBBS_PLT31 18.000 230KV	7.9999885	0.01353	AEPWP	NORTHEASTERN STATION 345KV	625	0.06695	-0.04342	10
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04154	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	CAPROCK OKV	80	0.0128	-0.04242	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04313	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	CZ 69KV	37.283	0.01156	-0.04118	10
WERE	HOLTON 115KV	13.8	-0.02962	CELE	DOLET HILLS 345KV	370	0.01429	-0.04391	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.04316	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	HOBBS_PLT31 18.000 230KV	202	0.01353	-0.04315	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	JONES 230KV	268.9326	0.01458	-0.0442	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	LP-MACK2 69KV	60	0.01462	-0.04424	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	MUSTANG 115KV	300	0.0136	-0.04329	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	MUSTANG 230KV	160	0.01355	-0.04317	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	SAN JUAN 230KV	120	0.01308	-0.0427	10
WERE	HOLTON 115KV	13.8	-0.02962	SPS	TOLK 230KV	1017.828	0.01304	-0.04266	10
SPS	HUBRCO2 69KV	4.204	0.01015	AEPWP	CEC 345KV	369	0.05177	-0.04162	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	SPS	CUNNINGHAM 230KV	196	0.01351	-0.04295	10
WERE	HUTCHINSON ENERGY CENTER 115KV	3							

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

Table with multiple columns: Source, Sink, Capacity, and various numerical values. The table lists numerous energy center and dam pairs, such as 'JEFFREY ENERGY CENTER 230KV' and 'DOLET HILLS 345KV', with associated capacity and numerical data points.

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

SPS	CUNNINGHAM 230KV	110	0.01351	GRDA	KERR 161KV	13.5	0.04814	-0.03463	12
SPS	CUNNINGHAM 230KV	110	0.01351	GRDA	SALINA 161KV	37.73117	0.04814	-0.03463	12
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	BOOMER 69KV	965	0.05051	-0.03583	12
CELE	DOLET HILLS 345KV	10	0.01429	AEWP	COGENTRIX 345KV	965	0.05051	-0.03622	12
CELE	DOLET HILLS 345KV	10	0.01429	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03563	12
AEWP	EASTMAN 138KV	330.01	0.01663	AEWP	DEC 345KV	369	0.05177	-0.03514	12
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03655	LEPA	CITY OF HOLMA SUB 115KV	87	0.00649	-0.03704	12
CELE	EVANGELINE 138KV	157	0.00854	GRDA	BOOMER 69KV	24	0.04384	-0.03465	12
CELE	EVANGELINE 138KV	157	0.00854	OKGKE	MUSKOGEE 161KV	115	0.04321	-0.03467	12
CELE	EVANGELINE 138KV	157	0.00854	OKGKE	MUSKOGEE 345KV	1548	0.04329	-0.03475	12
CELE	EVANGELINE 230KV	231	0.00862	GRDA	BOOMER 69KV	24	0.04384	-0.03522	12
CELE	EVANGELINE 230KV	231	0.00862	OKGKE	MUSKOGEE 161KV	115	0.04321	-0.03467	12
CELE	EVANGELINE 230KV	231	0.00862	OKGKE	MUSKOGEE 345KV	1548	0.04329	-0.03467	12
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	LEPA	BAYOU RAMOS 138KV	21.00216	0.00714	-0.03709	12
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.02995	LEPA	CITY OF HOLMA SUB 115KV	87	0.00649	-0.03644	12
AEWP	FULTON 115KV	32.99999	0.01502	AEWP	COGENTRIX 345KV	965	0.05051	-0.03549	12
AEWP	FULTON 115KV	32.99999	0.01502	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03549	12
AEWP	FULTON 115KV	32.99999	0.01502	AEWP	DEC 345KV	369	0.05177	-0.03675	12
WERE	GETTY 69KV	35	-0.04699	SWPA	CARTHAGE 69KV	13	-0.01193	-0.03506	12
WERE	GETTY 69KV	35	-0.04699	EMDE	LARUSSEL 161KV	100	-0.01146	-0.03553	12
WERE	GETTY 69KV	35	-0.04699	EMDE	RIVERTON 161KV	35	-0.0115	-0.03594	12
WERE	GETTY 69KV	35	-0.04699	EMDE	STATE LINE 161KV	382.5993	-0.01011	-0.03688	12
SWPA	GREERS FERRY 161KV	27.09579	0.00746	GRDA	BOOMER 69KV	24	0.04384	-0.03638	12
SWPA	GREERS FERRY 161KV	27.09579	0.00746	OKGKE	MUSKOGEE 161KV	115	0.04321	-0.03675	12
SWPA	GREERS FERRY 161KV	27.09579	0.00746	OKGKE	MUSKOGEE 345KV	1548	0.04329	-0.03683	12
SPS	HARRINGTON 230KV	360	0.00996	GRDA	GRDA1 345KV	100	0.04689	-0.03663	12
SPS	HARRINGTON 230KV	360	0.00996	GRDA	KERR 115KV	13.5	0.04701	-0.03705	12
SPS	HOBBES PLT31 18.000 230KV	7.9999885	0.01353	AEWP	COGENTRIX 345KV	965	0.05051	-0.03698	12
SPS	HOBBES PLT31 18.000 230KV	7.9999885	0.01353	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03698	12
SPS	HOBBES PLT31 18.000 230KV	7.9999885	0.01353	GRDA	KERR 161KV	13.5	0.04814	-0.03461	12
SPS	HOBBES PLT31 18.000 230KV	7.9999885	0.01353	GRDA	SALINA 161KV	37.73117	0.04814	-0.03461	12
WERE	HOLTON 115KV	13.8	-0.02962	LEPA	BAYOU RAMOS 138KV	21.00216	0.00714	-0.03676	12
WERE	HOLTON 115KV	13.8	-0.02962	LEPA	CITY OF HOLMA SUB 115KV	87	0.00649	-0.03611	12
WERE	HOLTON 115KV	13.8	-0.02962	SWPA	GREERS FERRY 161KV	82.90421	0.00746	-0.03708	12
SPS	HUBRCO2 69KV	4.204	0.01015	GRDA	GRDA1 345KV	100	0.04689	-0.03642	12
SPS	HUBRCO2 69KV	4.204	0.01015	GRDA	KERR 115KV	13.5	0.04701	-0.03686	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	LEPA	BAYOU RAMOS 138KV	21.00216	0.00714	-0.03443	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	CELE	EVANGELINE 138KV	155	0.00854	-0.03583	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	CELE	EVANGELINE 230KV	194	0.00862	-0.03591	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	LEPA	FROGSTATION 69KV	4	0.00784	-0.03513	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	SWPA	GREERS FERRY 161KV	82.90421	0.00746	-0.03475	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	CELE	RODEMACHER 230KV	691	0.00943	-0.03672	12
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.02729	CELE	TECHE 138KV	114.53986	0.00758	-0.03487	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	LEPA	BAYOU RAMOS 138KV	21.00216	0.00714	-0.03462	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	CELE	EVANGELINE 138KV	155	0.00854	-0.03582	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	CELE	EVANGELINE 230KV	194	0.00862	-0.0359	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	LEPA	FROGSTATION 69KV	4	0.00784	-0.03512	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	SWPA	GREERS FERRY 161KV	82.90421	0.00746	-0.03474	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	CELE	RODEMACHER 230KV	691	0.00943	-0.03671	12
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02728	CELE	TECHE 138KV	114.53986	0.00758	-0.03486	12
LEPA	IRION SUB 230KV	44	0.00649	OKGKE	MUSKOGEE 161KV	115	0.04321	-0.03673	12
LEPA	IRION SUB 230KV	44	0.00649	OKGKE	MUSKOGEE 345KV	1548	0.04329	-0.03681	12
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03038	LEPA	CITY OF HOLMA SUB 115KV	87	0.00649	-0.03487	12
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03035	LEPA	CITY OF HOLMA SUB 115KV	87	0.00649	-0.03684	12
SPS	JONES 230KV	217.0674	0.01458	AEWP	COGENTRIX 345KV	965	0.05051	-0.03693	12
SPS	JONES 230KV	217.0674	0.01458	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03693	12
SPS	JONES 230KV	217.0674	0.01458	GRDA	KECK 345KV	369	0.05177	-0.03719	12
SWPA	JONESBORO 161KV	35.8	0.00131	SWPA	EUFULA 138KV	45.2396	0.03632	-0.03632	12
SWPA	JONESBORO 161KV	35.8	0.00131	SWPA	EUFULA 138KV	45.2396	0.03632	-0.03632	12
SWPA	JONESBORO 161KV	35.8	0.00131	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03698	12
SWPA	JONESBORO 161KV	35.8	0.00131	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03698	12
SWPA	KENNETT 69KV	29	-0.00106	GRDA	PENSACOLA 161KV	11	0.03466	-0.03572	12
SWPA	KENNETT 69KV	29	-0.00106	OKGKE	REDBUD 345KV	150	0.03371	-0.03477	12
SWPA	KENNETT 69KV	29	-0.00106	OKGKE	SOONER 138KV	535	0.03347	-0.03453	12
AEWP	KNOXLEE 138KV	259	0.01653	AEWP	DEC 345KV	369	0.05177	-0.03524	12
EMDE	LARUSSEL 161KV	196	-0.01146	SWPA	BROKEN BOW 138KV	82.90421	0.00746	-0.03663	12
EMDE	LARUSSEL 161KV	196	-0.01146	SWPA	FTZHUGH 161KV	103	0.02441	-0.03623	12
EMDE	LARUSSEL 161KV	196	-0.01146	SWPA	OZARK 161KV	139.1037	0.02439	-0.03585	12
AEWP	LEBROCK 345KV	532	0.01658	AEWP	DEC 345KV	369	0.05177	-0.03519	12
AEWP	LIEBERMAN 138KV	272	0.01571	AEWP	COGENTRIX 345KV	965	0.05051	-0.0348	12
AEWP	LIEBERMAN 138KV	272	0.01571	AEWP	DEC 345KV	369	0.05177	-0.03606	12
AEWP	LOWSTAR POWER PLANT 69KV	50	0.01725	AEWP	DEC 345KV	369	0.05177	-0.03452	12
SPS	LP-BRND2 69KV	22	0.01463	AEWP	COGENTRIX 345KV	965	0.05051	-0.03588	12
SPS	LP-BRND2 69KV	22	0.01463	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03529	12
SPS	LP-BRND2 69KV	22	0.01463	AEWP	DEC 345KV	369	0.05177	-0.03714	12
SPS	LP-HOLL2 69KV	154	0.01461	AEWP	COGENTRIX 345KV	965	0.05051	-0.0359	12
SPS	LP-HOLL2 69KV	154	0.01461	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03511	12
SPS	LP-HOLL2 69KV	154	0.01461	AEWP	DEC 345KV	369	0.05177	-0.03716	12
SPS	LP-MACK2 69KV	20	0.01462	AEWP	COGENTRIX 345KV	965	0.05051	-0.03589	12
SPS	LP-MACK2 69KV	20	0.01462	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03593	12
SPS	LP-MACK2 69KV	20	0.01462	GRDA	DEC 345KV	369	0.05177	-0.03715	12
SPS	MADDOX 115KV	193	0.01354	AEWP	COGENTRIX 345KV	965	0.05051	-0.03697	12
SPS	MADDOX 115KV	193	0.01354	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03638	12
SPS	MADDOX 115KV	193	0.01354	GRDA	KERR 161KV	13.5	0.04814	-0.03446	12
SPS	MADDOX 115KV	193	0.01354	GRDA	SALINA 161KV	37.73117	0.04814	-0.03446	12
SWPA	MALDEN 69KV	14	-0.00192	OKGKE	HORSESHOE LAKE 69KV	16	-0.03	-0.03402	12
SWPA	MALDEN 69KV	14	-0.00192	GRDA	PENSACOLA 161KV	11	0.03466	-0.03568	12
SWPA	MALDEN 69KV	14	-0.00192	OKGKE	REDBUD 345KV	150	0.03371	-0.03563	12
SWPA	MALDEN 69KV	14	-0.00192	OKGKE	SOONER 138KV	535	0.03347	-0.03539	12
SWPA	MUSTANG 115KV	29	0.0136	AEWP	COGENTRIX 345KV	965	0.05051	-0.03691	12
SWPA	MUSTANG 115KV	29	0.0136	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03632	12
SPS	MUSTANG 115KV	29	0.0136	GRDA	KERR 161KV	13.5	0.04814	-0.03454	12
SPS	MUSTANG 115KV	29	0.0136	GRDA	SALINA 161KV	37.73117	0.04814	-0.03454	12
SPS	MUSTANG 230KV	300	0.01355	AEWP	COGENTRIX 345KV	965	0.05051	-0.03696	12
SPS	MUSTANG 230KV	300	0.01355	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03632	12
SPS	MUSTANG 230KV	300	0.01355	GRDA	KERR 161KV	13.5	0.04814	-0.03458	12
SPS	MUSTANG 230KV	300	0.01355	GRDA	SALINA 161KV	37.73117	0.04814	-0.03458	12
AEWP	NARROWS 69KV	30	0.01992	SWPA	KEYSTONE DAM 161KV	136.3172	0.06699	-0.03707	12
AEWP	NARROWS 69KV	30	0.01992	SWPA	NORTHEASTERN STATION 345KV	625	0.06699	-0.03707	12
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	GRDA1 345KV	100	0.04689	-0.03605	12
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	KERR 115KV	13.5	0.04701	-0.03608	12
SPS	NICHOLS 115KV	213	0.01036	GRDA	GRDA1 345KV	100	0.04689	-0.03662	12
SPS	NICHOLS 115KV	213	0.01036	GRDA	KERR 115KV	13.5	0.04701	-0.03665	12
SPS	NICHOLS 230KV	244	0.01004	GRDA	GRDA1 345KV	100			

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

SPS	LP-MACK2 69KV	20	0.01462	GRDA	GRDA1 345KV	100	0.04698	-0.03236	13
SPS	LP-MACK2 69KV	20	0.01462	GRDA	KERR 115KV	13.5	0.04701	-0.03239	13
SPS	LP-MACK2 69KV	20	0.01462	GRDA	KERR 161KV	13.5	0.04814	-0.03362	13
SPS	LP-MACK2 69KV	20	0.01462	GRDA	SALINA 161KV	37.7317	0.04814	-0.03352	13
SPS	MADOX 115KV	193	0.01354	GRDA	GRDA1 345KV	100	0.04698	-0.03344	13
SPS	MADOX 115KV	193	0.01354	GRDA	KERR 115KV	13.5	0.04701	-0.03347	13
SWPA	MALDEN 69KV	14	-0.00192	SWPA	DENISON 138KV	52.81158	0.03017	-0.03209	13
SWPA	MALDEN 69KV	14	-0.00192	AEPW	FLINT CREEK 161KV	400	0.02995	-0.03117	13
SWPA	MALDEN 69KV	14	-0.00192	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.0342	13
SWPA	MALDEN 69KV	14	-0.00192	OKGE	MCCLAIN 138KV	470	0.03052	-0.03244	13
SWPA	MALDEN 69KV	14	-0.00192	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.03025	13
SWPA	MALDEN 69KV	14	-0.00192	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.03253	13
SWPA	MALDEN 69KV	14	-0.00192	OKGE	SMITH COGEN 138KV	107	0.03056	-0.03248	13
SPS	MOORE COUNTY 115KV	48	0.0097	GRDA	BOOMER 69KV	24	0.04384	-0.03414	13
SPS	MOORE COUNTY 115KV	48	0.0097	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03351	13
SPS	MOORE COUNTY 115KV	48	0.0097	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03359	13
SPS	MUSTANG 115KV	29	0.0136	GRDA	GRDA1 345KV	100	0.04698	-0.0338	13
SPS	MUSTANG 115KV	29	0.0136	GRDA	KERR 115KV	13.5	0.04701	-0.03341	13
SPS	MUSTANG 230KV	300	0.01355	GRDA	GRDA1 345KV	100	0.04698	-0.03343	13
SPS	MUSTANG 230KV	300	0.01355	GRDA	KERR 115KV	13.5	0.04701	-0.03346	13
AEPW	NARROWS 69KV	30	0.0192	AEPW	CEC 345KV	369	0.05177	-0.03185	13
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	BOOMER 69KV	24	0.04384	-0.03291	13
CELE	NATCHITOCHEES 69KV	43	0.01093	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03228	13
CELE	NATCHITOCHEES 69KV	43	0.01093	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03236	13
SPS	NICHOLS 115KV	213	0.01036	GRDA	BOOMER 69KV	24	0.04384	-0.03348	13
SPS	NICHOLS 115KV	213	0.01036	GRDA	MUSKOGEE 161KV	115	0.04321	-0.03353	13
SPS	NICHOLS 115KV	213	0.01036	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03293	13
SPS	NICHOLS 230KV	244	0.01004	GRDA	BOOMER 69KV	24	0.04384	-0.0338	13
SPS	NICHOLS 230KV	244	0.01004	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03317	13
SPS	NICHOLS 230KV	244	0.01004	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03285	13
AEPW	NORTH MARSHALL 69KV	5	0.01643	AEPW	COGENTRIX 345KV	965	0.05051	-0.03408	13
AEPW	NORTH MARSHALL 69KV	5	0.01643	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03349	13
AEPW	NORTH MARSHALL 69KV	5	0.01643	GRDA	KERR 115KV	13.5	0.04814	-0.03171	13
AEPW	NORTH MARSHALL 69KV	5	0.01643	GRDA	SALINA 161KV	37.7317	0.04814	-0.03171	13
OMPA	OMPA-MANGUM 69KV	6.2	0.02493	SWPA	KEYSTONE DAM 161KV	135.3172	0.06907	-0.03206	13
OMPA	OMPA-MANGUM 69KV	6.2	0.02493	AEPW	NORTHEASTERN STATION 345KV	625	0.05655	-0.03202	13
SWPA	OZARK 161KV	56.39631	0.02439	SWPA	KEYSTONE DAM 161KV	135.3172	0.06909	-0.0326	13
SWPA	OZARK 161KV	56.39631	0.02439	AEPW	NORTHEASTERN STATION 345KV	625	0.05695	-0.03256	13
SWPA	PARAGOULD 69KV	14.1	0.0003	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.03198	13
SWPA	PARAGOULD 69KV	14.1	0.0003	OKGE	HORSESHOE LAKE 69KV	16	0.033	-0.0327	13
SWPA	PARAGOULD 69KV	14.1	0.0003	OKGE	REDBUD 345KV	150	0.03371	-0.03341	13
SWPA	PARAGOULD 69KV	14.1	0.0003	OKGE	SOONER 138KV	535	0.03347	-0.03317	13
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKGE	HORSESHOE LAKE 138KV	166	0.03228	-0.03365	13
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKGE	MCCLAIN 138KV	470	0.03052	-0.03189	13
SWPA	PIGGOTT 69KV	7.5	-0.00137	SWPA	ROBERT S. KERR 161KV	284.7839	0.03058	-0.03195	13
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKGE	SEMINOLE 345KV	450.3653	0.03116	-0.03253	13
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKGE	SMITH COGEN 138KV	107	0.03056	-0.03193	13
AEPW	PIRKEY GENERATION 138KV	65	0.01657	AEPW	COGENTRIX 345KV	965	0.05051	-0.03408	13
AEPW	PIRKEY GENERATION 138KV	65	0.01657	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03335	13
SPS	PLANTX 115KV	253	0.01293	GRDA	GRDA1 345KV	100	0.04698	-0.03405	13
SPS	PLANTX 115KV	253	0.01293	GRDA	KERR 115KV	13.5	0.04701	-0.03408	13
SPS	PLANTX 230KV	189	0.01281	GRDA	GRDA1 345KV	100	0.04698	-0.03417	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	SWPA	KERR 115KV	13.5	0.04701	-0.03242	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	WFEC	ANADARKO 138KV	245.8022	0.02815	-0.0318	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	SWPA	DENISON 138KV	52.81158	0.03017	-0.03382	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	ELLIS 69KV	6	0.02862	-0.03227	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	FLINT CREEK 161KV	400	0.02995	-0.0336	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGE	MCCLAIN 138KV	470	0.03052	-0.03206	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGE	SMITH COGEN 138KV	107	0.03056	-0.03421	13
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGE	SPGCK1&2 13,200 345KV	10	0.02965	-0.03332	13
EMDE	RIVERTON 69KV	18.05717	-0.00815	SWPA	BROKEN BOW 138KV	82.90421	0.02517	-0.0333	13
EMDE	RIVERTON 69KV	18.05717	-0.00815	AEPW	FITZHUGH 161KV	103	0.02447	-0.03256	13
EMDE	RIVERTON 69KV	18.05717	-0.00815	SWPA	OZARK 161KV	139.1037	0.02439	-0.03254	13
EMDE	RIVERTON 69KV	18.05717	-0.00815	AEPW	WEATHERFORD 34KV	12	0.02594	-0.03409	13
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	BOOMER 69KV	24	0.04384	-0.03369	13
SPS	RIVERVIEW 69KV	23	0.01015	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03363	13
SPS	RIVERVIEW 69KV	23	0.01015	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03363	13
CELE	RODEMACHER 230KV	496	0.00943	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03378	13
CELE	RODEMACHER 230KV	496	0.00943	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03386	13
CELE	TECHE 138KV	257.4614	0.00758	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.03255	13
CELE	TECHE 34KV	23	0.00758	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.03265	13
CELE	TECUMSEH ENERGY CENTER 115KV	28	-0.03116	SWPA	JONESBORO 161KV	48	0.00131	-0.03247	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	JONESBORO 161KV	48	0.00131	-0.03242	13
SPS	TOLK 230KV	62.17163	0.01304	GRDA	GRDA1 345KV	100	0.04698	-0.03394	13
SPS	TOLK 230KV	62.17163	0.01304	GRDA	KERR 115KV	13.5	0.04701	-0.03397	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	BEAVER 161KV	128.3201	0.01182	-0.03141	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	BLACKHAWK 115KV	220	0.01014	-0.03233	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	CZ 69KV	37.283	0.01156	-0.03375	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	HANSFORD 115KV	80	0.00998	-0.03217	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	HARRINGTON 230KV	706	0.00998	-0.03215	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	HUBCOO 69KV	6.796	0.01015	-0.03234	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	SIDRCH 69KV	15.796	0.01015	-0.03234	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	SPEARMAN 69KV	10	0.01002	-0.03221	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	STEER WATER 115KV	90	0.01094	-0.03313	13
SWPA	TRUMAN 161KV	89.52281	-0.02219	SPS	TEXAS COUNTY 115KV	10	0.00963	-0.03212	13
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	GRDA1 345KV	100	0.04698	-0.03418	13
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	KERR 115KV	13.5	0.04701	-0.03421	13
WERE	WACO 138KV	30	-0.03105	SWPA	JONESBORO 161KV	48	0.00131	-0.03236	13
LEPA	WATERLOO SUB 230KV	9	0.00851	OMPA	OMPA-KAW 69KV	19.7209	0.04013	-0.03362	13
LEPA	WATERLOO SUB 230KV	9	0.00851	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03178	13
AEPW	WILKES 138KV	246.558	0.0171	AEPW	COGENTRIX 345KV	965	0.05051	-0.03341	13
AEPW	WILKES 138KV	246.558	0.0171	GRDA	GRDA1 161KV	65.14481	0.04992	-0.03282	13
AEPW	WILKES 138KV	246.558	0.0171	GRDA	GRDA1 345KV	100	0.04698	-0.03341	13
WERE	WILKES ENERGY CENTER 115KV	66	-0.02908	SWPA	JONESBORO 161KV	48	0.00131	-0.03309	13
CELE	ACADA 138KV	1322	0.00789	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03284	14
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	GRDA1 345KV	100	0.04698	-0.0315	14
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	KERR 115KV	13.5	0.04701	-0.03153	14
EMDE	ASSBURY 161KV	20	-0.02935	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03158	14
LEPA	BEAUFORT RAMOS 138KV	38.99874	0.00714	SWPA	WEBBERS FALLS 161KV	34.67628	0.03829	-0.03158	14
SWPA	BEAVER 161KV	37.27985	0.01192	OKGE	MUSKOGEE 161KV	115	0.04321	-0.03129	14
SWPA	BEAVER 161KV	37.27985	0.01192	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.03137	14
SWPA	BULL SHOALS 161KV	139.9906	-0.00079	SWPA	DENISON 138KV	52.81158	0.03017	-0.03096	14
SWPA	BULL SHOALS 161KV	139.9906	-0.00079	AEPW	FLINT CREEK 161KV	400	0.02995	-0.03074	14
SWPA	BULL SHOALS 161KV	139.9906	-0.00079	OKGE	MCCLAIN 138KV	470	0.03052	-0.03131	14
SWPA	BULL SHOALS 161KV	139.9906	-						

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

SWPA	KENNETT 69KV			29	-0.00106	SWPA	ROBERT S. KERR 161KV		284.7839	0.03058	-0.03164	14
SWPA	KENNETT 69KV			29	-0.00106	OKGE	SMITH COGEN 138KV		107	0.03056	-0.03162	14
SWPA	KENNETT 69KV			29	-0.00106	OKGE	SPGCK1&2 13,200 345KV		10	0.02965	-0.03071	14
AEPW	KNOXLEE 138KV			259	0.01653	GRDA	GRDA1 345KV		100	0.04688	-0.03045	14
AEPW	KNOXLEE 138KV			259	0.01653	GRDA	KERR 119KV		13.5	0.04701	-0.03048	14
AEPW	KNOXLEE 138KV			259	0.01653	GRDA	KERR 161KV		13.5	0.04814	-0.03161	14
AEPW	KNOXLEE 138KV			259	0.01653	GRDA	SALINA 161KV		37.73117	0.04814	-0.03161	14
WERE	LAWRENCE ENERGY CENTER 230KV			46.4469	-0.03147	SWPA	BULL SHOALS 161KV		249.6094	-0.00079	-0.03068	14
AEPW	LEBROCK 345KV			532	0.01658	GRDA	GRDA1 345KV		100	0.04688	-0.0304	14
AEPW	LEBROCK 345KV			532	0.01658	GRDA	KERR 119KV		13.5	0.04701	-0.03043	14
AEPW	LEBROCK 345KV			532	0.01658	GRDA	KERR 161KV		13.5	0.04814	-0.03156	14
AEPW	LEBROCK 345KV			532	0.01658	GRDA	SALINA 161KV		37.73117	0.04814	-0.03156	14
AEPW	LIEBERMAN 138KV			272	0.01571	GRDA	GRDA1 345KV		100	0.04688	-0.03127	14
AEPW	LIEBERMAN 138KV			272	0.01571	GRDA	KERR 119KV		13.5	0.04701	-0.0313	14
AEPW	LONESTAR POWER PLANT 69KV			50	0.01725	GRDA	KERR 161KV		13.5	0.04814	-0.03089	14
AEPW	LONESTAR POWER PLANT 69KV			50	0.01725	GRDA	SALINA 161KV		37.73117	0.04814	-0.03089	14
SPS	MADOX 115KV			193	0.01354	GRDA	BOOMER 69KV		24	0.04384	-0.03023	14
SWPA	MALDEN 69KV			14	-0.00192	WFEC	ANADARKO 138KV		245.8022	0.02815	-0.03007	14
SWPA	MALDEN 69KV			14	-0.00192	AEPW	ELLIS 69KV		6	0.02862	-0.03054	14
SWPA	MALDEN 69KV			14	-0.00192	OKGE	SPGCK1&2 13,200 345KV		10	0.02965	-0.03157	14
SPS	MOORE COUNTY 115KV			48	-0.00397	OMPA	OMPA-KAW 69KV		19.7209	0.04013	-0.03043	14
WFEC	MORLAND 138KV			12.66	0.02534	SWPA	KEYSTONE DAM 161KV		135.3172	0.05689	-0.03065	14
WFEC	MORLAND 138KV			12.66	0.02534	AEPW	NORTHEASTERN STATION 345KV		625	0.05695	-0.03061	14
SPS	MUSTANG 115KV			29	0.01336	GRDA	BOOMER 69KV		24	0.04384	-0.03024	14
SPS	MUSTANG 230KV			300	0.01355	GRDA	BOOMER 69KV		24	0.04384	-0.03029	14
AEPW	NARROWS 69KV			30	0.01992	AEPW	COGENTRIX 345KV		965	0.05051	-0.03059	14
AEPW	NARROWS 69KV			30	0.01992	GRDA	GRDA1 161KV		65.14481	0.04992	-0.03	14
SPS	NICHOLS 230KV			244	0.01004	OMPA	OMPA-KAW 69KV		19.7209	0.04013	-0.03009	14
AEPW	NORTH MARSHALL 69KV			5	0.01643	GRDA	GRDA1 345KV		100	0.04688	-0.03055	14
AEPW	NORTH MARSHALL 69KV			5	0.01643	GRDA	KERR 119KV		13.5	0.04701	-0.03056	14
SWPA	PARAGOULD 69KV			14.1	0.0003	OKGE	MCCLEIN 138KV		470	0.03052	-0.03022	14
SWPA	PARAGOULD 69KV			14.1	0.0003	SWPA	ROBERT S. KERR 161KV		284.7839	0.03058	-0.03028	14
SWPA	PARAGOULD 69KV			14.1	0.0003	OKGE	SEMINOLE 345KV		450.3653	0.03116	-0.03086	14
SWPA	PARAGOULD 69KV			14.1	0.0003	OKGE	SMITH COGEN 138KV		107	0.03056	-0.03026	14
SWPA	PIGGOTT 69KV			7.5	-0.00137	SWPA	DENISON 138KV		52.81158	0.03017	-0.03154	14
SWPA	PIGGOTT 69KV			7.5	-0.00137	AEPW	FLINT CREEK 161KV		400	0.02995	-0.03132	14
SWPA	PIGGOTT 69KV			7.5	-0.00137	OKGE	SPGCK1&2 13,200 345KV		10	0.02965	-0.03102	14
AEPW	PIRKEY GENERATION 138KV			65	0.01657	GRDA	GRDA1 345KV		100	0.04688	-0.03041	14
AEPW	PIRKEY GENERATION 138KV			65	0.01657	GRDA	KERR 119KV		13.5	0.04701	-0.03044	14
AEPW	PIRKEY GENERATION 138KV			65	0.01657	GRDA	KERR 161KV		13.5	0.04814	-0.03157	14
AEPW	PIRKEY GENERATION 138KV			65	0.01657	GRDA	SALINA 161KV		37.73117	0.04814	-0.03157	14
SPS	PLANTX 115KV			253	0.01293	GRDA	BOOMER 69KV		24	0.04384	-0.03091	14
SPS	PLANTX 115KV			253	0.01293	OKGE	MUSKOGEE 161KV		115	0.04321	-0.03029	14
SPS	PLANTX 115KV			253	0.01293	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.03036	14
SPS	PLANTX 230KV			189	0.01281	GRDA	BOOMER 69KV		24	0.04384	-0.03103	14
SPS	PLANTX 230KV			189	0.01281	OKGE	MUSKOGEE 161KV		115	0.04321	-0.0304	14
SPS	PLANTX 230KV			189	0.01281	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.03048	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	OKGE	ZES 161KV		320	0.02789	-0.03164	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	OKGE	CENTENAL WIND 34KV		30	0.02644	-0.03009	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	AEPW	COMANCHE 138KV		145	0.02734	-0.03099	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	AEPW	COMANCHE 69KV		60	0.0275	-0.03115	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	WFEC	HUJO 138KV		440	0.0266	-0.03025	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	OKGE	SOONER 345KV		637	0.02682	-0.03047	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	AEPW	SOUTHWESTERN STATION 138KV		173	0.02785	-0.0315	14
SWPA	POPLAR BLUFF 69KV			13	-0.00365	AEPW	SOUTHWESTERN STATION 138KV		145	0.02785	-0.0315	14
CELE	RODEMACHER 230KV			496	0.00943	OMPA	OMPA-KAW 69KV		19.7209	0.04013	-0.03007	14
CELE	TECHE 138KV			257.4614	0.00758	SWPA	WEBBERS FALLS 161KV		34.67626	0.03829	-0.03071	14
CELE	TECHE 34KV			23	0.00758	SWPA	WEBBERS FALLS 161KV		34.67626	0.03829	-0.03071	14
WERE	TECUMSEH ENERGY CENTER 115KV			28	-0.03116	SWPA	BULL SHOALS 161KV		249.6094	-0.00079	-0.03037	14
WERE	TECUMSEH ENERGY CENTER 69KV			41	-0.03116	SWPA	BULL SHOALS 161KV		249.6094	-0.00079	-0.03032	14
SPS	TOLK 230KV			62.17163	0.01304	GRDA	BOOMER 69KV		24	0.04384	-0.03098	14
SPS	TOLK 230KV			62.17163	0.01304	OKGE	MUSKOGEE 161KV		115	0.04321	-0.03107	14
SPS	TOLK 230KV			62.17163	0.01304	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.03025	14
SWPA	TRUMAN 161KV			89.52281	-0.02219	CELE	EVANGELINE 138KV		155	0.00854	-0.03073	14
SWPA	TRUMAN 161KV			89.52281	-0.02219	CELE	EVANGELINE 230KV		194	0.00862	-0.03081	14
SWPA	TRUMAN 161KV			89.52281	-0.02219	CELE	RODEMACHER 230KV		691	0.00843	-0.03162	14
SPS	TUCUMCARI 115KV			15	0.0128	GRDA	BOOMER 69KV		24	0.04384	-0.03071	14
SPS	TUCUMCARI 115KV			15	0.0128	OKGE	MUSKOGEE 161KV		115	0.04321	-0.03041	14
SPS	TUCUMCARI 115KV			15	0.0128	OKGE	MUSKOGEE 345KV		1548	0.04329	-0.03049	14
WERE	WACO 138KV			30	-0.03105	SWPA	BULL SHOALS 161KV		249.6094	-0.00079	-0.03026	14
AEPW	WILKES 138KV			246.558	0.0171	GRDA	KERR 161KV		13.5	0.04814	-0.03104	14
AEPW	WILKES 138KV			246.558	0.0171	GRDA	SALINA 161KV		37.73117	0.04814	-0.03104	14

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1
 Limiting Facility: BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1
 Direction: From To
 Line Outage: DELAWARE - NORTH EAST STATION 345KV CKT 1
 Flowgate: 2007AG1AFS411783309SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	1.3	6.0
1222943	0.7	6.0
1223092	1.0	6.0
1223094	1.0	6.0
1223095	1.0	6.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF NEDESHA 69KV	6.738	-0.21858	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.33354	18
WERE	CITY OF FREDONIA 69KV	7.104	-0.18362	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.29848	20
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.26483	23
WERE	CITY OF ERIE 69KV	24.563	-0.14934	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.2643	23
WERE	CITY OF IOLA 69KV	42.878	-0.12223	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.23719	25
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.20632	29
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.20628	29
WERE	CITY OF ERIE 69KV	24.563	-0.14934	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.20632	29
WERE	CITY OF ERIE 69KV	24.563	-0.14934	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.20628	29
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	COGENTRIX 345KV	965	0.05051	-0.19985	30
WERE	CHANUTE 69KV	24.563	-0.14934	GRDA	GRDA1 161KV	125.9806	0.04991	-0.19925	30
WERE	CHANUTE 69KV	24.563	-0.14934	GRDA	KERR 161KV	13.5	0.04813	-0.19747	30
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	KEC 345KV	369	0.05177	-0.20111	30
WERE	CHANUTE 69KV	24.563	-0.14934	GRDA	SALINA 161KV	37.61368	0.04813	-0.19747	30
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.20346	30
WERE	CITY OF ERIE 69KV	24.563	-0.14934	AEPW	COGENTRIX 345KV	965	0.05051	-0.19985	30
WERE	CITY OF ERIE 69KV								

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

WERE	CHANUTE 69KV	24.563	-14934	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.18233	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	MCCLAIN 138KV	470	0.03051	-0.17985	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	MUSTANG 138KV	351	0.03046	-0.17981	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.17981	33
WERE	CHANUTE 69KV	24.563	-14934	GRDA	PENSACOLA 161KV	33	0.03464	-0.18398	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	REDBUD 345KV	150	0.03371	-0.18305	33
WERE	CHANUTE 69KV	24.563	-14934	SWPA	ROBERT S. KERR 161KV	317.7885	0.03055	-0.17989	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.18081	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SEMINOLE 345KV	1019	0.03116	-0.18051	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SMITH COGEN 138KV	107	0.03056	-0.17991	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SOONER 138KV	935	0.03347	-0.18281	33
WERE	CHANUTE 69KV	24.563	-14934	AEPW	TONTITOWN 161KV	163.8579	0.03211	-0.18055	33
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	DENISON 138KV	6032151	0.03017	-0.17951	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.18161	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.18233	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	MCCLAIN 138KV	470	0.03051	-0.17985	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	MUSTANG 138KV	351	0.03046	-0.17981	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.17981	33
WERE	CITY OF ERIE 69KV	24.53	-14934	GRDA	PENSACOLA 161KV	33	0.03464	-0.18398	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	REDBUD 345KV	150	0.03371	-0.18305	33
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	ROBERT S. KERR 161KV	317.7885	0.03055	-0.17989	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.18081	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SEMINOLE 345KV	1019	0.03116	-0.18051	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SMITH COGEN 138KV	107	0.03056	-0.17991	33
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SOONER 138KV	935	0.03347	-0.18281	33
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	TONTITOWN 161KV	163.8579	0.03211	-0.18055	33
WERE	CHANUTE 69KV	24.563	-14934	OKGE	AES 161KV	320	0.02628	-0.17734	34
WERE	CHANUTE 69KV	24.563	-14934	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.17749	34
WERE	CHANUTE 69KV	24.563	-14934	WFEC	ANADARKO 69KV	76	0.02821	-0.17755	34
WERE	CHANUTE 69KV	24.563	-14934	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.17451	34
WERE	CHANUTE 69KV	24.563	-14934	OKGE	CENTENAL WIND 34KV	16	0.02644	-0.17578	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	COMANCHE 138KV	145	0.02734	-0.17668	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	COMANCHE 69KV	60	0.02751	-0.17684	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	FLINT CREEK 161KV	400	0.02994	-0.17928	34
WERE	CHANUTE 69KV	24.563	-14934	WFEC	HUGO 138KV	450	0.02659	-0.17593	34
WERE	CHANUTE 69KV	24.563	-14934	WFEC	MORLUD 138KV	320	0.02634	-0.17568	34
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SOONER 345KV	537	0.02681	-0.17615	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.17718	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.17718	34
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SPGCK182 13 200 345KV	78	0.02954	-0.17898	34
WERE	CHANUTE 69KV	24.563	-14934	OKGE	SPGCK34 13 200 345KV	11.89999	0.02964	-0.17898	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	WEATHERFORD 34KV	12	0.02594	-0.17749	34
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	AES 161KV	320	0.02628	-0.17734	34
WERE	CITY OF ERIE 69KV	24.53	-14934	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.17749	34
WERE	CITY OF ERIE 69KV	24.53	-14934	WFEC	ANADARKO 69KV	76	0.02821	-0.17755	34
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.17451	34
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	CENTENAL WIND 34KV	16	0.02644	-0.17578	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	COMANCHE 138KV	145	0.02734	-0.17668	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	COMANCHE 69KV	60	0.02751	-0.17684	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	FLINT CREEK 161KV	400	0.02994	-0.17928	34
WERE	CITY OF ERIE 69KV	24.53	-14934	WFEC	HUGO 138KV	450	0.02659	-0.17593	34
WERE	CITY OF ERIE 69KV	24.53	-14934	WFEC	MORLUD 138KV	320	0.02634	-0.17568	34
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SOONER 345KV	537	0.02681	-0.17615	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.17718	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.17718	34
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SPGCK182 13 200 345KV	78	0.02954	-0.17898	34
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGE	SPGCK34 13 200 345KV	11.89999	0.02964	-0.17898	34
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WEATHERFORD 34KV	12	0.02594	-0.17749	34
WERE	CITY OF IOLA 69KV	42.878	-12223	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.17921	34
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.17917	34
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.17635	34
WERE	CHANUTE 69KV	24.563	-14934	AEPW	FITZHUGH 161KV	109	0.02436	-0.17371	35
WERE	CHANUTE 69KV	24.563	-14934	SWPA	OZARK 161KV	151.403	0.02435	-0.17369	35
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	FITZHUGH 161KV	109	0.02436	-0.17371	35
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	OZARK 161KV	151.403	0.02435	-0.17369	35
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	COGENERATION 345KV	965	0.05051	-0.17274	35
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	GRDA1 161KV	125.98024	0.04892	-0.17014	35
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	KERR 161KV	13.5	0.04813	-0.17036	35
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	OEC 345KV	369	0.05177	-0.17415	35
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	SALINA 161KV	371.6398	0.04813	-0.17036	35
WERE	CHANUTE 69KV	24.563	-14934	SWPA	EASTMAN 138KV	101.668	0.01658	-0.16597	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	KNOXLEE 138KV	284	0.01653	-0.16591	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	LEBROCK 345KV	165	0.01658	-0.16592	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	LIEBERMAN 138KV	156	0.01571	-0.16505	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	NARROWS 69KV	22	0.01992	-0.16926	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	PARKIE GENERATION 138KV	243	0.01627	-0.16591	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	WELSH 345KV	1044	0.01807	-0.16741	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	WILKES 138KV	421.735	0.01711	-0.16644	36
WERE	CHANUTE 69KV	24.563	-14934	AEPW	WILKES 345KV	308	0.01689	-0.16623	36
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	EASTMAN 138KV	101.668	0.01658	-0.16597	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	KNOXLEE 138KV	284	0.01653	-0.16591	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	LEBROCK 345KV	165	0.01658	-0.16592	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	LIEBERMAN 138KV	156	0.01571	-0.16505	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	NARROWS 69KV	22	0.01992	-0.16926	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	PARKIE GENERATION 138KV	243	0.01627	-0.16591	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WELSH 345KV	1044	0.01807	-0.16741	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WILKES 138KV	421.735	0.01711	-0.16644	36
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WILKES 345KV	308	0.01689	-0.16623	36
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	BOOMER 69KV	24	0.04363	-0.16508	36
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	GRDA2 345KV	220	0.04697	-0.16922	36
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	KERR 119KV	13.5	0.047	-0.16923	36
WERE	CITY OF IOLA 69KV	42.878	-12223	OKGE	MUSKOGEE 161KV	166	0.04322	-0.16543	36
WERE	CITY OF IOLA 69KV	42.878	-12223	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.16552	36
WERE	CHANUTE 69KV	24.563	-14934	SWPA	BEAVER 161KV	145.4816	0.01191	-0.16125	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	CAPROCK 0KV	80	0.0128	-0.16214	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	CUNNINGHAM 115KV	110	0.01354	-0.16288	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	CUNNINGHAM 230KV	306	0.01351	-0.16285	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	CZ 69KV	39	0.01156	-0.16091	37
WERE	CHANUTE 69KV	24.563	-14934	CELE	DOLE HILLS 345KV	370	0.01429	-0.16363	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.16288	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.16287	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	JONES 230KV	496	0.01458	-0.16392	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	LP-BRINDZ 69KV	20	0.01463	-0.16397	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	LP-MACKZ 69KV	60	0.01462	-0.16396	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	MADDOX 115KV	118	0.01354	-0.16288	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	MUSTANG 115KV	300	0.0136	-0.16294	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	MUSTANG 230KV	460	0.01355	-0.16289	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	PLANTX 115KV	205	0.01293	-0.16227	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	PLANTX 230KV	189	0.01281	-0.16215	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	SAN JUAN 230KV	120	0.01308	-0.16242	37
WERE	CHANUTE 69KV	24.563	-14934	SPS	TOLK 230KV	1014.794	0.01304	-0.16238	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	BEAVER 161KV	145.4816	0.01191	-0.16125	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	CUNNINGHAM 115KV	110	0.01354	-0.16288	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	CUNNINGHAM 230KV	306	0.01351	-0.16285	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	CZ 69KV	39	0.01156	-0.16091	37
WERE	CITY OF ERIE 69KV	24.53	-14934	CELE	DOLE HILLS 345KV	370	0.01429	-0.16363	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.16288	37
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HOBBS PLT31				

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

WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06104	98
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	MCCLAIN 138KV	470	0.03051	-0.06161	98
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	MUSTANG 138KV	351	0.03046	-0.06166	98
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	MUSTANG 69KV	74.3252	0.03047	-0.06167	98
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	DENISON 138KV	60.32151	0.03017	-0.06071	99
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06048	99
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKJG	MUSTANG 138KV	351	0.03046	-0.061	99
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKJG	MUSTANG 69KV	74.3252	0.03047	-0.06110	99
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKJG	MCCLAIN 138KV	470	0.03051	-0.06045	99
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKJG	MUSTANG 69KV	74.3252	0.03047	-0.06041	99
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	ROBERT S. KERR 161KV	317.7895	0.03055	-0.06049	99
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKJG	SMITH COGEN 138KV	107	0.03056	-0.0608	99
WERE	GETTY 69KV	35	-0.04699	SPS	CUNNINGHAM 115KV	110	0.01354	-0.06053	99
WERE	GETTY 69KV	35	-0.04699	SPS	CUNNINGHAM 230KV	306	0.01351	-0.0605	99
WERE	GETTY 69KV	35	-0.04699	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.06053	99
WERE	GETTY 69KV	35	-0.04699	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.06052	99
WERE	GETTY 69KV	35	-0.04699	SPS	NADDOX 115KV	118	0.01354	-0.06053	99
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 115KV	300	0.0136	-0.06059	99
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 230KV	400	0.01355	-0.06054	99
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKJG	SPGCK182 13.200 345KV	76	0.02964	-0.06081	99
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKJG	REBUD 345KV	150	0.03371	-0.06099	99
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKJG	SOONER 138KV	535	0.03347	-0.06075	99
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKJG	REBUD 345KV	150	0.03371	-0.06098	99
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKJG	SOONER 138KV	535	0.03347	-0.06074	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	DENISON 138KV	60.32151	0.03017	-0.06051	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	MCCLAIN 138KV	470	0.03051	-0.06085	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	MUSTANG 138KV	351	0.03046	-0.0608	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	MUSTANG 69KV	74.3252	0.03047	-0.06081	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	ROBERT S. KERR 161KV	317.7895	0.03055	-0.06089	99
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	SMITH COGEN 138KV	107	0.03056	-0.0608	99
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	SPGCK182 13.200 345KV	76	0.02964	-0.06074	99
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06044	99
AEPW	TULSA POWER STATION 69KV	80	0.05412	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.06084	99
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	HORSESHOE LAKE 138KV	796	0.03227	-0.05987	100
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKJG	SPGCK182 13.200 345KV	76	0.02964	-0.06018	100
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	DENISON 138KV	60.32151	0.03017	-0.06011	100
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05988	100
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKJG	MUSTANG 138KV	351	0.03046	-0.0604	100
WERE	GETTY 69KV	35	-0.04699	SPS	PLANTX 115KV	205	0.01253	-0.05992	100
WERE	GETTY 69KV	35	-0.04699	SPS	SAN JUAN 230KV	120	0.01308	-0.06007	100
WERE	GETTY 69KV	35	-0.04699	SPS	TOLK 230KV	1014.794	0.01304	-0.06003	100
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06028	100
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	SPGCK182 13.200 345KV	76	0.02964	-0.0598	100
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKJG	SPGCK182 13.200 345KV	76	0.02964	-0.0598	101
WERE	GETTY 69KV	35	-0.04699	SPS	CAPROCK 0KV	80	0.0128	-0.05979	101
WERE	GETTY 69KV	35	-0.04699	SPS	PLANTX 115KV	189	0.01281	-0.0598	101
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05932	101
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	ANADARKO 69KV	76	0.02821	-0.05938	101
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKJG	HORSESHOE LAKE 138KV	796	0.03227	-0.05955	101
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKJG	HORSESHOE LAKE 138KV	796	0.03227	-0.05954	101
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	SALINA 161KV	37.61368	0.04813	-0.0596	101
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	OKJG	AES 161KV	320	0.0228	-0.05945	101
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05969	101
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	WFEC	ANADARKO 69KV	76	0.02821	-0.05966	101
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05929	101
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05929	101
EMDE	RIVERTON 161KV	95	-0.0116	GRDA	SALINA 161KV	37.61368	0.04813	-0.05931	101
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.0592	101
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC	ANADARKO 69KV	76	0.02821	-0.05931	101
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	SEMINOLE 138KV	345.6682	0.03147	-0.05907	102
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	SEMINOLE 345KV	1019	0.03116	-0.05876	102
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05881	102
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05969	102
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC	ANADARKO 69KV	76	0.02821	-0.05975	102
WERE	GETTY 69KV	35	-0.04699	SWPA	BEAVER 161KV	145.4916	0.01191	-0.0589	102
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKJG	AES 161KV	320	0.0228	-0.05917	102
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKJG	COMANCHE 69KV	80	0.0275	-0.05867	102
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05901	102
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05901	102
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKJG	SEMINOLE 138KV	345.6682	0.03147	-0.05875	102
WERE	HUTCHINSON ENERGY CENTER 230KV	52	-0.02727	OKJG	SEMINOLE 138KV	345.6682	0.03147	-0.05876	102
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	COMANCHE 138KV	145	0.02734	-0.05875	102
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	COMANCHE 69KV	80	0.0275	-0.05895	102
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	AES 161KV	320	0.0228	-0.0591	102
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05894	102
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKJG	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05894	102
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	MCCLAIN 138KV	470	0.03051	-0.05811	103
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	MCCLAIN 138KV	470	0.03051	-0.05811	103
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	ROBERT S. KERR 161KV	317.7895	0.03055	-0.05815	103
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKJG	SMITH COGEN 138KV	107	0.03056	-0.05816	103
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKJG	AES 161KV	320	0.0228	-0.0588	103
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05838	103
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05838	103
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05809	103
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	ANADARKO 69KV	76	0.02821	-0.05805	103
WERE	GETTY 69KV	35	-0.04699	SPS	C2 69KV	39	0.01145	-0.05855	103
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	COMANCHE 138KV	145	0.02734	-0.05851	103
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKJG	SEMINOLE 345KV	1019	0.03116	-0.05844	103
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05849	103
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKJG	SEMINOLE 345KV	1019	0.03116	-0.05843	103
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05848	103
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKJG	AES 161KV	320	0.0228	-0.05834	103
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05849	103
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	WFEC	ANADARKO 69KV	76	0.02821	-0.05855	103
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05818	103
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05818	103
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	GRDA 345KV	220	0.04697	-0.05844	103
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	OKJG	SOONER 345KV	537	0.02681	-0.05826	103
EMDE	RIVERTON 161KV	95	-0.0116	GRDA	GRDA 345KV	220	0.04697	-0.05815	103
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	COMANCHE 138KV	145	0.02734	-0.05844	103
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	COMANCHE 69KV	80	0.0275	-0.05886	103
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA	EIFAULA 161KV	5			

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

WERE	GETTY 69KV		35	-0.04699	SFS	BLACKHAWK 115KV		220	0.01015	-0.05714	105	
WERE	GETTY 69KV		35	-0.04699	SPS	NICHOLS 115KV		111	1.9956	0.01036	-0.05735	105
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC		MORLND 138KV		320	0.02634	-0.05761	105	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA		DENISON 138KV		60.32151	0.03017	-0.05745	105	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		FLINT CREEK 161KV		400	0.02994	-0.05722	105	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA		DENISON 138KV		60.32151	0.03017	-0.05744	105	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW		FLINT CREEK 161KV		400	0.02994	-0.05721	105	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE		SOONER 345KV		537	0.02681	-0.05715	105	
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC		MORLND 138KV		320	0.02634	-0.05744	105	
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC		MORLND 138KV		320	0.02634	-0.05688	106	
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC		HUGO 138KV		450	0.02659	-0.05653	106	
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE		SOONER 345KV		537	0.02681	-0.05691	106	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE		SPGCK182 13.200 345KV		78	0.02964	-0.05692	106	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE		SPGCK182 13.200 345KV		78	0.02964	-0.05691	106	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	WFEC		HUGO 138KV		450	0.02659	-0.05693	106	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	WFEC		MORLND 138KV		320	0.02634	-0.05698	106	
WERE	HUTCHINSON ENERGY CENTER 138KV	38	-0.02994	WFEC		MORLND 138KV		320	0.02634	-0.05628	107	
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05634	107	
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05627	107	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE		AES 161KV		320	0.0208	-0.0556	108	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	WFEC		ANADARKO 138KV		345.7891	0.02815	-0.05575	108	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	WFEC		ANADARKO 69KV		76	0.02821	-0.05561	108	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		SOUTHWESTERN STATION 138KV		322	0.02784	-0.05544	108	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		SOUTHWESTERN STATION 138KV		1046	0.02784	-0.05544	108	
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05571	108	
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA		FITZHUGH 161KV		109	0.02436	-0.05653	108	
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA		OZARK 161KV		151.043	0.02435	-0.05652	108	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC		ANADARKO 138KV		345.7891	0.02815	-0.05543	108	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC		ANADARKO 69KV		76	0.02821	-0.05549	108	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC		ANADARKO 138KV		345.7891	0.02815	-0.05542	108	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC		ANADARKO 69KV		76	0.02821	-0.05548	108	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05551	108	
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW		FITZHUGH 161KV		109	0.02436	-0.05546	108	
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA		OZARK 161KV		151.043	0.02435	-0.05545	108	
WERE	TRUMAN 161KV	76.53462	-0.02217	OKGE		REDLD 345KV		150	0.03711	-0.05607	108	
WERE	TRUMAN 161KV	76.53462	-0.02217	OKGE		SOONER 345KV		537	0.02681	-0.05564	108	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		COMANCHE 138KV		145	0.02734	-0.05494	109	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		COMANCHE 69KV		60	0.0275	-0.0551	109	
WERE	BULL SHOALS 161KV	107.3672	-0.0008	AEPW		TULSA POWER STATION 138KV		299	0.05412	-0.05462	109	
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW		FITZHUGH 161KV		109	0.02436	-0.0549	109	
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05511	109	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE		AES 161KV		320	0.0208	-0.05528	109	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		SOUTHWESTERN STATION 138KV		322	0.02784	-0.05512	109	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		SOUTHWESTERN STATION 138KV		1046	0.02784	-0.05512	109	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE		AES 161KV		320	0.0208	-0.05527	109	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW		SOUTHWESTERN STATION 138KV		322	0.02784	-0.05511	109	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		SOUTHWESTERN STATION 138KV		1046	0.02784	-0.05511	109	
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA		OZARK 161KV		151.043	0.02435	-0.05489	110	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		COMANCHE 138KV		145	0.02734	-0.05462	110	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		COMANCHE 69KV		60	0.0275	-0.05478	110	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW		COMANCHE 138KV		145	0.02734	-0.05461	110	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW		COMANCHE 69KV		60	0.0275	-0.05477	110	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW		FITZHUGH 161KV		109	0.02436	-0.0547	110	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA		OZARK 161KV		151.043	0.02435	-0.05469	110	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE		MUSKOGEE 161KV		166	0.0432	-0.05467	110	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE		MUSKOGEE 345KV		1548	0.04329	-0.05476	110	
EMDE	RIVERTON 161KV	95	-0.01118	OKGE		MUSKOGEE 345KV		1548	0.04329	-0.0548	110	
WERE	TRUMAN 161KV	76.53462	-0.02217	OKGE		HORSESHOE LAKE 138KV		796	0.03227	-0.05444	110	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	WFEC		HUGO 138KV		450	0.02659	-0.05419	111	
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC		MORLND 138KV		320	0.02634	-0.05394	111	
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW		FITZHUGH 161KV		109	0.02436	-0.05453	111	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE		OZARK 161KV		151.043	0.02435	-0.05429	111	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE		SOONER 345KV		537	0.02681	-0.05409	111	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE		SOONER 345KV		537	0.02681	-0.05408	111	
EMDE	RIVERTON 161KV	95	-0.01118	OKGE		MUSKOGEE 161KV		166	0.0432	-0.05438	111	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC		HUGO 138KV		450	0.02659	-0.05387	112	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC		MORLND 138KV		320	0.02634	-0.05362	112	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC		HUGO 138KV		450	0.02659	-0.05386	112	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC		MORLND 138KV		320	0.02634	-0.05361	112	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		SEMINOLE 345KV		345.6623	0.03147	-0.05365	112	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		SEMINOLE 345KV		019	0.03116	-0.05333	113	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		TONTITOWN 161KV		163.8579	0.03121	-0.05338	113	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05277	114	
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	AEPW		OEK 345KV		369	0.05177	-0.05257	114	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		MCCAIN 138KV		470	0.02951	-0.05268	114	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		MUSTANG 138KV		361	0.03046	-0.05263	114	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		MUSTANG 69KV		74.3252	0.03047	-0.05264	114	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		ROBERT S. KEHR 161KV		317.7895	0.03055	-0.05272	114	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		SMITH COGEN 138KV		307	0.0356	-0.05275	114	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05245	115	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA		BROKEN BOW 138KV		94.67681	0.02517	-0.05244	115	
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA		DENISON 138KV		60.32151	0.03017	-0.05234	115	
SWPA	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		FLINT CREEK 161KV		400	0.02994	-0.05211	115	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW		FITZHUGH 161KV		109	0.02436	-0.05186	116	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA		OZARK 161KV		151.043	0.02435	-0.05195	116	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW		FITZHUGH 161KV		109	0.02436	-0.05164	116	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA		OZARK 161KV		151.043	0.02435	-0.05163	116	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA		FITZHUGH 161KV		109	0.02436	-0.05165	116	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE		COMANCHE 138KV		106.8736	0.04013	-0.0516	116	
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGE		SPGCK182 13.200 345KV		78	0.02964	-0.05181	116	
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	AEPW		CGENTRIX 345KV		865	0.05051	-0.05131	117	
SWPA	RIVERTON 161KV	95	-0.01118	OKGE		OMPA-PONCA CITY 69KV		106.8736	0.04013	-0.05131	117	
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	GRDA		OMPA-PONCA CITY 69KV		125.9806	0.04991	-0.05071	117	
SWPA	TRUMAN 161KV	76.53462	-0.02217	WFEC		ANADARKO 138KV		345.7891	0.02815	-0.05032	119	
SWPA	TRUMAN 161KV	76.53462	-0.02217	WFEC		ANADARKO 69KV		76	0.02821	-0.05038	119	
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE		AES 161KV		320	0.0208	-0.05017	120	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		SOUTHWESTERN STATION 138KV		322	0.02784	-0.05001	120	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		SOUTHWESTERN STATION 138KV		1046	0.02784	-0.05001	120	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		COMANCHE 138KV		145	0.02734	-0.04951	121	
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW		COMANCHE 69KV		60	0.0275	-0.04924	121	
CELE	ACADIA 138KV	1322	0.00789	SWPA		KEYSTONE DAM 161KV		152.202	0.05698	-0.04909	122	
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW		WELSH 345KV		1044	0.01807	-0.04924	122	
CELE	TECHE 138KV	95.82867	0.00758	SWPA		KEYSTONE DAM 161KV		152.202	0.05698	-0.0494	122	
CELE	TECHE 138KV	95.82867	0.00758	AEPW		NORTHEASTERN STATION 345KV		625	0.05694	-0.04936	122	
CELE	TECHE 138KV											

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

SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	ROBERT S. KERR 161KV	317.787	-0.01618	-0.09707	39
SWPA	BEAVER 161KV	20.79087	-0.11325	WFEC	HUGO 138KV	450	-0.01912	-0.09413	41
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	LAKE ROAD 161KV	35	-0.02162	-0.09163	41
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	LAKE ROAD 34KV	92	-0.02162	-0.09163	41
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	TRUMAN 161KV	103.4655	-0.02139	-0.09186	41
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	DENISON 138KV	60.32161	-0.02423	-0.08902	42
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	EUFALULA 138KV	51.73277	-0.02269	-0.09057	42
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	EUFALULA 161KV	70.69244	-0.02267	-0.09057	42
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	GREENWOOD 161KV	146.3344	-0.0241	-0.08915	42
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	SIBLEY 161KV	231.5016	-0.02267	-0.09058	42
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	SIBLEY 69KV	45.99999	-0.02273	-0.09052	42
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	COMANCHE 138KV	145	-0.02625	-0.087	43
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	COMANCHE 69KV	60	-0.02623	-0.08702	43
SWPA	BEAVER 161KV	20.79087	-0.11325	MIFU	SOUTH HARPER 161KV	315	-0.02451	-0.08874	43
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	WEBBERS FALLS 161KV	39.5486	-0.0246	-0.08865	43
SWPA	BEAVER 161KV	20.79087	-0.11325	WFEC	ANADARKO 138KV	344.4075	-0.02639	-0.08686	44
SWPA	BEAVER 161KV	20.79087	-0.11325	WFEC	ANADARKO 69KV	76	-0.02645	-0.08688	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	CENTENIAL WIND 34KV	16	-0.02733	-0.08592	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	HORSESHOE LAKE 138KV	796	-0.02757	-0.08568	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	HORSESHOE LAKE 69KV	16	-0.02763	-0.08562	44
SWPA	BEAVER 161KV	20.79087	-0.11325	WFEC	MCCLAIN 138KV	470	-0.02718	-0.08607	44
SWPA	BEAVER 161KV	20.79087	-0.11325	WFEC	MORLND 138KV	320	-0.02734	-0.08591	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	MUSTANG 138KV	351	-0.02736	-0.08589	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	MUSTANG 69KV	90	-0.02737	-0.08588	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	REDBUD 345KV	150	-0.02812	-0.08513	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SEMINOLE 138KV	463.0964	-0.02661	-0.08564	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SEMINOLE 345KV	1019	-0.02651	-0.08674	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SMITH COGEN 138KV	107	-0.02733	-0.08592	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SOONER 345KV	537	-0.02797	-0.08528	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SOUTH 4TH ST 69KV	37	-0.02862	-0.08523	44
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	SOUTHWESTERN STATION 138KV	287	-0.02637	-0.08688	44
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	SOUTHWESTERN STATION 138KV	837	-0.02637	-0.08688	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SPGCK1&2 13.200 345KV	60	-0.02764	-0.08561	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	TINKER EG 138KV	80	-0.02718	-0.08607	44
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	ELK RIVER 345KV	149.9936	-0.02661	-0.08564	45
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	MUSKOGEE 161KV	166	-0.0293	-0.08395	45
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	MUSKOGEE 345KV	1548	-0.0297	-0.08355	45
SWPA	BEAVER 161KV	20.79087	-0.11325	OKGE	SOONER 138KV	535	-0.02857	-0.08468	45
SWPA	BEAVER 161KV	20.79087	-0.11325	GRDA	BOOMER 69KV	24	-0.03041	-0.08294	46
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	COGENTRIX 345KV	200	-0.03213	-0.08112	47
SWPA	BEAVER 161KV	20.79087	-0.11325	SWPA	KEYSTONE DAM 161KV	152.2022	-0.03305	-0.0802	47
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	OEC 345KV	269	-0.03327	-0.07998	47
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	TULSA POWER STATION 138KV	299	-0.03275	-0.08005	47
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	NORTHEASTERN STATION 345KV	69	-0.03	-0.07825	48
SWPA	BEAVER 161KV	20.79087	-0.11325	AEPW	NORTHEASTERN STATION 138KV	488	-0.03585	-0.0774	49
SWPA	BEAVER 161KV	20.79087	-0.11325	SPRM	MCCARTNEY 161KV	100	-0.03748	-0.07577	50
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.07497	51
SWPA	BEAVER 161KV	20.79087	-0.11325	GRDA	GRDAT 161KV	123.7224	-0.03846	-0.07179	51
SWPA	BEAVER 161KV	20.79087	-0.11325	GRDA	GRDAT 345KV	220	-0.03954	-0.07271	51
SWPA	BEAVER 161KV	20.79087	-0.11325	GRDA	SALINA 161KV	38.34663	-0.03935	-0.0739	51
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.0723	52
SWPA	BEAVER 161KV	20.79087	-0.11325	SPRM	JAMES RIVER 161KV	159	-0.04158	-0.07167	53
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	JONESBORO 161KV	63	0.01514	-0.07101	53
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.07174	53
SWPA	BEAVER 161KV	20.79087	-0.11325	GRDA	JAMES RIVER 69KV	233.9043	-0.04376	-0.06949	54
SWPA	BEAVER 161KV	20.79087	-0.11325	SPRM	PENSACOLA 161KV	33	-0.04255	-0.07074	54
EMDE	RIVERTON 69KV	24.71719	-0.05129	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.07039	54
SWPA	BEAVER 161KV	20.79087	-0.11325	SPRM	SOUTHWEST 161KV	198.9393	-0.04459	-0.06886	55
AEPW	FLINT CREEK 161KV	28	-0.04924	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.06834	55
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.06936	55
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	JONESBORO 161KV	63	0.01514	-0.06834	55
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	JONESBORO 161KV	63	0.01514	-0.06778	56
EMDE	ASBURY 161KV	20	-0.04769	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.06679	57
EMDE	RIVERTON 69KV	24.71719	-0.05129	SWPA	JONESBORO 161KV	63	0.01514	-0.06643	57
SWPA	BEAVER 161KV	20.79087	-0.11325	EMDE	ASBURY 161KV	191	-0.04769	-0.06556	58
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	JONESBORO 161KV	63	0.01514	-0.06556	58
SWPA	BEAVER 161KV	20.79087	-0.11325	EMDE	FLINT CREEK 161KV	490	-0.0492	-0.06401	59
AEPW	FLINT CREEK 161KV	28	-0.04924	SWPA	JONESBORO 161KV	63	0.01514	-0.06438	59
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.06369	59
EMDE	ASBURY 161KV	20	-0.04769	SWPA	JONESBORO 161KV	63	0.01514	-0.06283	60
SWPA	BEAVER 161KV	20.79087	-0.11325	EMDE	RIVERTON 161KV	24	-0.05291	-0.06299	60
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.06272	60
SWPA	BEAVER 161KV	20.79087	-0.11325	EMDE	RIVERTON 69KV	43.28281	-0.05129	-0.06196	61
SWPA	BEAVER 161KV	20.79087	-0.11325	EMDE	STATE LINE 161KV	487.5887	-0.05264	-0.06061	62
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	JONESBORO 161KV	63	0.01514	-0.05973	63
GRDA	KERR 115KV	28.5	-0.03978	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05888	64
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	SIKESTON 161KV	235	0.00296	-0.05883	63
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05952	64
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	JONESBORO 161KV	63	0.01514	-0.05976	64
GRDA	KERR 161KV	28.5	-0.03978	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05845	65
GRDA	SALINA 161KV	59.65337	-0.03935	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05845	65
GRDA	GRDAT 161KV	66.2742	-0.03846	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05756	66
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	SIKESTON 161KV	235	0.00296	-0.05616	67
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	JONESBORO 161KV	63	0.01514	-0.05556	68
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	SIKESTON 161KV	235	0.00296	-0.05556	68
GRDA	KERR 115KV	28.5	-0.03978	SWPA	JONESBORO 161KV	63	0.01514	-0.05492	69
GRDA	KERR 161KV	28.5	-0.03978	SWPA	JONESBORO 161KV	63	0.01514	-0.05449	69
GRDA	SALINA 161KV	59.65337	-0.03935	SWPA	JONESBORO 161KV	63	0.01514	-0.05449	69
GRDA	RIVERTON 69KV	24.71719	-0.05129	SWPA	SIKESTON 161KV	235	0.00296	-0.05425	70
GRDA	GRDAT 161KV	66.2742	-0.03846	SWPA	JONESBORO 161KV	63	0.01514	-0.05396	71
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	SIKESTON 161KV	235	0.00296	-0.05322	72
AEPW	FLINT CREEK 161KV	28	-0.04924	SWPA	SIKESTON 161KV	235	0.00296	-0.0522	71
AEPW	OEC 345KV	1878.03	-0.03327	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05237	72
AEPW	KEYSTONE DAM 161KV	47.9978	-0.03305	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05175	73
KEYP	TULSA POWER STATION 69KV	80	-0.03275	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05185	73
AEPW	COGENTRIX 345KV	694	-0.03213	SWPA	GREERS FERRY 161KV	94.67696	0.0191	-0.05123	74
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	FITZHUGH 161KV	109	-0.00656	-0.04931	77
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	OZARK 161KV	151.4028	-0.00659	-0.04588	77
EMDE	LARUSSEL 81KV	196	-0.05587	AEPW	LIEBERMAN 138KV	96.85791	-0.00784	-0.04823	78
AEPW	OEC 345KV	1878.03	-0.03327	SWPA	JONESBORO 161KV	63	0.01514	-0.04841	78
SWPA	KEYSTONE DAM 161KV	47.9978	-0.03305	SWPA	JONESBORO 161KV	63	0.01514	-0.04819	79
AEPW	TULSA POWER STATION 69KV	80	-0.03						

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

AEWP	TONTTOWN 161KV	346.12	-0.0532	AEWP	WILKES 138KV	417.9446	-0.0099	-0.0441	86
MIPU	ARIES 161KV	595	-0.0243	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.0433	87
AEWP	KIOWA 345KV	1348	-0.0243	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.0433	87
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	CLARENCE CANNON DAM 69KV	39.9351	-0.01246	-0.04341	87
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	SIKESTON 161KV	235	0.00296	-0.04338	87
MIPU	RALPH GREEN 69KV	73.7	-0.02423	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.04333	87
OKGE	REDBUD 345KV	1050	-0.02812	SWPA	JONESBORO 161KV	63	0.01514	-0.04326	87
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	FITZHUGH 161KV	109	0.00862	-0.04343	87
EMDE	STATE LINE 161KV	118.4113	-0.05264	AEWP	WILKES 138KV	417.9446	-0.0099	-0.04355	87
SWPA	WEBBERS FALLS 161KV	29.4514	-0.0246	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.0437	87
MIPU	GREENWOOD 161KV	103.4657	-0.0241	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.0432	88
OKGE	SPOCK3&4 13.200 345KV	168	-0.02764	SWPA	JONESBORO 161KV	63	0.01514	-0.04375	88
AEWP	TONTTOWN 161KV	346.12	-0.0532	AEWP	WELSH 345KV	1044	-0.01015	-0.04305	88
OKGE	HORSESHOE LAKE 138KV	64	-0.02757	SWPA	JONESBORO 161KV	63	0.01514	-0.04271	89
EMDE	LARUSSEL 161KV	196	-0.05587	OKGE	AES 161KV	320	-0.0134	-0.04247	89
OKGE	MICLAIN 138KV	50	-0.02718	SWPA	JONESBORO 161KV	63	0.01514	-0.04232	89
OKGE	MUSTANG 138KV	49	-0.02758	SWPA	JONESBORO 161KV	63	0.01514	-0.0425	89
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	LIEBERMAN 138KV	96.85791	-0.00764	-0.04262	89
GRDA	SALINA 161KV	59.65337	-0.03935	SWPA	SIKESTON 161KV	235	0.00296	-0.04231	89
EMDE	STATE LINE 161KV	118.4113	-0.05264	AEWP	WELSH 345KV	1044	-0.01015	-0.04249	89
AEWP	WEELETKA 138KV	162	-0.02724	SWPA	JONESBORO 161KV	63	0.01514	-0.04238	89
MIPU	TWA 161KV	32.1	-0.02309	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.04219	90
GRDA	GRDA1 161KV	66.2742	-0.03846	SWPA	SIKESTON 161KV	235	0.00296	-0.04142	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	EASTMAN 138KV	355	-0.00868	-0.04158	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	KNOXLEE 138KV	294	-0.00868	-0.04168	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	LEBROCK 345KV	315	-0.00866	-0.04143	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	PIRKEY GENERATION 138KV	243	-0.00862	-0.04164	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	WILKES 345KV	308	-0.00886	-0.04144	91
OKGE	SEMINOLE 138KV	41.90366	-0.0265	SWPA	JONESBORO 161KV	63	0.01514	-0.04164	91
AEWP	SOUTHWESTERN STATION 138KV	229	-0.02837	SWPA	JONESBORO 161KV	63	0.01514	-0.04151	91
AEWP	SOUTHWESTERN STATION 138KV	225	-0.02837	SWPA	JONESBORO 161KV	63	0.01514	-0.04151	91
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	WILKES 138KV	417.9446	-0.0099	-0.04117	92
MIPU	LAKE ROAD 161KV	91	-0.02162	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.04072	93
AEWP	TONTTOWN 161KV	346.12	-0.0532	SWPA	CLARENCE CANNON DAM 69KV	39.9351	-0.01246	-0.04074	94
SWPA	TRUMAN 161KV	76.53447	-0.02139	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.04049	94
EMDE	RIVERTON 161KV	219	-0.05026	AEWP	WELSH 345KV	1044	-0.01015	-0.04011	93
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	CLARENCE CANNON DAM 69KV	39.9351	-0.01246	-0.04018	94
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	ROBERT S. KERR 161KV	317.787	-0.01618	-0.03968	95
AEWP	TONTTOWN 161KV	346.12	-0.0532	OKGE	AES 161KV	320	-0.0134	-0.0398	95
MIPU	ARIES 161KV	595	-0.02423	SWPA	JONESBORO 161KV	63	0.01514	-0.03937	96
MIPU	GREENWOOD 161KV	103.4657	-0.0241	SWPA	JONESBORO 161KV	63	0.01514	-0.03924	96
AEWP	KIOWA 345KV	1348	-0.0243	SWPA	JONESBORO 161KV	63	0.01514	-0.03953	96
MIPU	RALPH GREEN 69KV	73.7	-0.02423	SWPA	JONESBORO 161KV	63	0.01514	-0.03937	96
EMDE	STATE LINE 161KV	118.4113	-0.05264	OKGE	AES 161KV	320	-0.0134	-0.03924	96
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	BROKEN BOW 138KV	94.67696	-0.0168	-0.03907	97
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	FITZHUGH 161KV	109	-0.00656	-0.03803	99
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	OZARK 161KV	151.4032	-0.00652	-0.03807	99
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	CLARENCE CANNON DAM 69KV	39.9351	-0.01246	-0.0378	100
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	FITZHUGH 161KV	109	-0.00656	-0.03705	102
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	OZARK 161KV	151.4032	-0.00652	-0.0371	102
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	LIEBERMAN 138KV	96.85791	-0.00764	-0.03695	102
AEWP	TONTTOWN 161KV	346.12	-0.0532	SWPA	ROBERT S. KERR 161KV	317.787	-0.01618	-0.03702	102
MIPU	LAKE ROAD 161KV	91	-0.02162	SWPA	JONESBORO 161KV	63	0.01514	-0.03676	103
EMDE	LARUSSEL 161KV	196	-0.05587	WFEC	HUGO 138KV	450	-0.01912	-0.03675	103
EMDE	RIVERTON 161KV	219	-0.05026	OKGE	AES 161KV	320	-0.0134	-0.03686	103
AEWP	OE0 345KV	1878.03	-0.03327	SWPA	SIKESTON 161KV	235	0.00296	-0.03623	104
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	ROBERT S. KERR 161KV	317.787	-0.01618	-0.03646	104
AEWP	TONTTOWN 161KV	346.12	-0.0532	SWPA	BROKEN BOW 138KV	94.67696	-0.0168	-0.0362	104
SWPA	TRUMAN 161KV	76.53447	-0.02139	SWPA	JONESBORO 161KV	63	0.01514	-0.03653	104
SWPA	KEYSTONE DAM 161KV	47.9978	-0.03305	SWPA	SIKESTON 161KV	235	0.00296	-0.03601	105
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	LIEBERMAN 138KV	96.85791	-0.00764	-0.03598	105
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	EASTMAN 138KV	355	-0.00868	-0.0357	105
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	KNOXLEE 138KV	294	-0.00868	-0.03601	105
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	LEBROCK 345KV	315	-0.00866	-0.03593	105
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	PIRKEY GENERATION 138KV	243	-0.00862	-0.03597	105
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	WILKES 345KV	308	-0.00886	-0.03573	106
EMDE	STATE LINE 161KV	118.4113	-0.05264	SWPA	BROKEN BOW 138KV	94.67696	-0.0168	-0.03547	106
AEWP	TULSA POWER STATION 69KV	80	-0.03275	SWPA	SIKESTON 161KV	235	0.00296	-0.03571	106
SWPA	ROBERT S. KERR 161KV	70.91301	-0.01618	SWPA	GREENSBORO 161KV	94.67696	0.0191	-0.03528	107
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	WILKES 138KV	417.9446	-0.0099	-0.0355	107
MIPU	COGENT 345KV	694	-0.03213	SWPA	SIKESTON 161KV	235	0.00296	-0.03598	108
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	EASTMAN 138KV	355	-0.00868	-0.03494	108
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	KNOXLEE 138KV	284	-0.00858	-0.03504	108
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	LEBROCK 345KV	315	-0.00866	-0.03496	108
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	PIRKEY GENERATION 138KV	243	-0.00862	-0.035	108
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	WILKES 345KV	308	-0.00886	-0.03476	109
EMDE	LARUSSEL 161KV	196	-0.05587	MIPU	LAKE ROAD 34KV	92	-0.02162	-0.03425	110
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	TRUMAN 161KV	103.4655	-0.02139	-0.03448	110
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	WILKES 138KV	417.9446	-0.0099	-0.03453	110
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEWP	WELSH 345KV	1044	-0.01015	-0.03444	110
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	ROBERT S. KERR 161KV	317.787	-0.01618	-0.03408	111
AEWP	TONTTOWN 161KV	346.12	-0.0532	WFEC	HUGO 138KV	450	-0.01912	-0.03408	111
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	FITZHUGH 161KV	109	-0.00656	-0.03386	112
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	OZARK 161KV	151.4032	-0.00652	-0.03359	112
GRDA	PENSACOLA 69KV	63	-0.04362	AEWP	WELSH 345KV	1044	-0.01015	-0.03347	113
EMDE	RIVERTON 161KV	219	-0.05026	SWPA	BROKEN BOW 138KV	94.67696	-0.0168	-0.03346	113
EMDE	STATE LINE 161KV	118.4113	-0.05264	WFEC	HUGO 138KV	450	-0.01912	-0.03352	113
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	EUFAULA 138KV	51.73277	-0.02268	-0.03319	114
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	EUFAULA 161KV	70.60624	-0.02267	-0.0333	114
EMDE	LARUSSEL 161KV	196	-0.05587	MIPU	SIBLEY 161KV	231.5016	-0.02267	-0.0332	114
EMDE	LARUSSEL 161KV	196	-0.05587	MIPU	SIBLEY 69KV	45.99999	-0.02273	-0.03314	114
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	LIEBERMAN 138KV	96.85791	-0.00764	-0.03278	115
GRDA	SALINA 161KV	59.65337	-0.03935	AEWP	FITZHUGH 161KV	109	-0.00656	-0.03279	115
GRDA	SALINA 161KV	59.65337	-0.03935	SWPA	OZARK 161KV	151.4032	-0.00652	-0.03263	115
GRDA	GRDA1 161KV	66.2742	-0.03846	SWPA	OZARK 161KV	151.4032	-0.00652	-0.03194	116
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	CLARENCE CANNON DAM 69KV	39.9351	-0.01246	-0.03213	118
GRDA	GRDA1 161KV	66.2742	-0.03846	AEWP	FITZHUGH 161KV	109	-0.00656	-0.0319	118
EMDE	LARUSSEL 161KV	196	-0.05587	MIPU	GREENWOOD 161KV	146.3344	-0.0241	-0.03177	119
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	EASTMAN 138KV	355	-0.00868	-0.03174	119
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	KNOXLEE 138KV	284	-0.00858	-0.03184	119
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	LEBROCK 345KV	315	-0.00866	-0.03176	119
AEWP	MID-CONTINENT 138KV	142.11	-0.04042	AEWP	PIRKEY GENERATION 138KV	243	-0.00862	-0.0317	119
AEWP	SALINA 161KV	59.65337							

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

Upgrade: BULL SHOALS - BULL SHOALS 161KV CKT 1
 Limiting Facility: BULL SHOALS - BULL SHOALS 161KV CKT 1
 Direction: From-To
 Line Outage: SST_JOE 161.00 - EVERTON 161KV CKT 1
 Flowgate: 2007AG1AFS41T6473209SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount		Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
		3.8	3.8										
MIPU	1222640		3.8										
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.2592	15
AEPW	FLINT CREEK 161KV	28	-0.04924	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19519	19
EMDE	LARUSSEL 161KV	198	-0.05587	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.20182	19
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19521	19
EMDE	RIVERTON 69KV	24.78566	-0.05129	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19724	19
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19859	19
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19915	19
EMDE	ASBURY 161KV	20	-0.04769	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19364	20
GRDA	KERR 115KV	28.5	-0.03978	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.18573	20
GRDA	KERR 161KV	28.5	-0.03935	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1853	20
GRDA	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.18637	20
AEPW	PENSACOLA 69KV	63	-0.04362	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.18957	20
SRPM	PHILPS AVENUE-MAIN AVENUE 69KV	12	-0.04059	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.18954	20
GRDA	SALINA 161KV	60.3083	-0.03935	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1893	20
SRPM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.19054	20
AEPW	COGENRIX 345KV	694	-0.03213	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17808	21
GRDA	GRD4 161KV	66.37921	-0.03846	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.18441	21
SWPA	KEYSTONE DAM 161KV	47.90796	-0.03305	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.179	21
MIPU	NEVADA 69KV	20.3	-0.03205	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.178	21
AEPW	NORTH-EASTERN STATION 138KV	19.99997	-0.03585	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1818	21
AEPW	NORTH-EASTERN STATION 345KV	19.99997	-0.034	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17995	21
AEPW	DEC 345KV	1878.03	-0.0337	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17922	21
AEPW	TULSA POWER STATION 69KV	80	-0.03275	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1787	21
WFEC	ANADARKO 138KV	27.52493	-0.02639	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17234	22
MIPU	ARIES 161KV	696	-0.02423	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17018	22
AEPW	COMANCHE 138KV	15	-0.02825	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1722	22
SWPA	DENISON 138KV	9.678455	-0.02423	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17018	22
SWPA	EUFULA 138KV	8.267292	-0.02288	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16863	22
SWPA	EUFULA 161KV	11.39184	-0.02287	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16862	22
MIPU	GREENWOOD 161KV	103.4754	-0.0241	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17005	22
CKGE	HORSESHOE LAKE 138KV	64	-0.02757	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17352	22
AEPW	KIOWA 345KV	1348	-0.02439	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17034	22
CKGE	MCLAIN 138KV	50	-0.02718	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17313	22
CKGE	MUSKOGEE 345KV	17	-0.0297	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17565	22
CKGE	MUSTANG 138KV	49	-0.02736	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17331	22
CKGE	MUSTANG 69KV	15.99999	-0.02737	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17333	22
MIPU	RALPH GREEN 69KV	73.7	-0.02423	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17018	22
CKGE	REDBUD 345KV	1050	-0.02812	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17407	22
MIPU	SEMINOLE 138KV	41.51312	-0.0265	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17245	22
CKGE	SEMINOLE 345KV	10.69004	-0.0281	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17346	22
MIPU	SIBLEY 161KV	19.04221	-0.02267	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16862	22
AEPW	SOUTHWESTERN STATION 138KV	229	-0.02637	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17232	22
AEPW	SOUTHWESTERN STATION 138KV	225	-0.02637	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17232	22
CKGE	SF0CK1&2 13.200 345KV	18	-0.02764	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17399	22
CKGE	SF0CK3&4 13.200 345KV	188	-0.02764	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17399	22
MIPU	TWA 161KV	32.1	-0.02309	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16904	22
SWPA	WEBBERS FALLS 161KV	29.45144	-0.0246	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17055	22
AEPW	WEELETKA 138KV	162	-0.02734	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.17319	22
SWPA	BROKEN BOW 138KV	15.32314	-0.0168	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1628	23
AEPW	ELLIS 69KV	19.4	-0.01619	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16214	23
MIPU	LAKE ROAD 161KV	91	-0.02162	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16757	23
SWPA	ROBERT S KERR 161KV	70.91334	-0.01618	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16213	23
SWPA	TRUMAN 161KV	76.53459	-0.02139	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.16734	23
SWPA	CLARENCE CANNON DAM 69KV	8.064949	-0.01468	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15841	24
AEPW	EASTMAN 138KV	130.01	-0.00868	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15463	24
AEPW	KNOXLEE 138KV	139	-0.00858	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15453	24
AEPW	LEBR0CK 345KV	382	-0.00866	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15461	24
AEPW	LOWSTAR POWER PLANT 69KV	50	-0.00826	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15521	24
AEPW	PIRKEY GENERATION 138KV	45	-0.00862	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15457	24
AEPW	WILKES 138KV	45.45697	-0.00909	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15504	24
AEPW	ARSENAL HILL 69KV	110	-0.00743	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15338	25
AEPW	FITZHUGH 161KV	177	-0.00656	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15251	25
AEPW	FULTON 115KV	32.99999	-0.00603	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1518	25
AEPW	LIEBERMAN 138KV	131.1421	-0.00764	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15359	25
SWPA	OZARK 161KV	44.09694	-0.00652	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15247	25
SWPA	MALDEN 69KV	10	0.00625	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.1397	27
SWPA	KENNETT 69KV	21.5	0.00842	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.13763	28
SWPA	PARAGOULD 69KV	12	0.01227	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.13368	28
SWPA	POPLAR BLUFF 69KV	13	0.00911	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.13684	28
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	GREERS FERRY 161KV					94.67866	0.0191	-0.13235	29
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	JONESBORO 161KV					63	0.01514	-0.12839	29
SWPA	BEAVER 161KV	15.32314	-0.0191	SWPA	BULL SHOALS 161KV					282.2329	0.14595	-0.15058	30
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	SIKOSTON 161KV					293	0.00296	-0.11621	31
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	FITZHUGH 161KV					109	-0.00656	-0.10669	35
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	OZARK 161KV					151.4031	-0.00652	-0.10673	35
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	EASTMAN 138KV					365	-0.00868	-0.10347	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	KNOXLEE 138KV					294	-0.0058	-0.10467	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	LEBR0CK 345KV					315	-0.00866	-0.10459	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	LIEBERMAN 138KV					96.85791	-0.00764	-0.10561	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	PIRKEY GENERATION 138KV					243	-0.00862	-0.10463	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	WILKES 138KV					413	-0.0093	-0.10416	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	WILKES 345KV					308	-0.00886	-0.10439	36
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	NARROWS 69KV					22	-0.01154	-0.10171	37
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	WELSH 345KV					1044	-0.01015	-0.1031	37
SWPA	BEAVER 161KV	20.3186	-0.11325	CKGE	AES 161KV					520	-0.0134	-0.09895	38
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	CLARENCE CANNON DAM 69KV					39.93265	-0.01246	-0.10079	38
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	BROKEN BOW 138KV					94.67866	-0.0168	-0.09645	39
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	ROBERT S. KERR 161KV					317.7867	-0.01618	-0.09707	39
SWPA	BEAVER 161KV	20.3186	-0.11325	WFEC	HUGO 138KV					450	-0.01912	-0.09413	40
SWPA	BEAVER 161KV	20.3186	-0.11325	MIPU	LAKE ROAD 161KV					35	-0.02162	-0.09163	41
SWPA	BEAVER 161KV	20.3186	-0.11325	MIPU	LAKE ROAD 34KV					92	-0.02162	-0.09163	41
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	TRUMAN 161KV					103.4654	-0.02139	-0.09186	41
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	DENISON 138KV					60.32154	-0.02423	-0.08902	42
SWPA	BEAVER 161KV	20.3186	-0.11325										

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

SWPA	BEAVER 161KV	20.3186	-0.11325	GRDA	BOOMER 69K	24	-0.03041	-0.08284	46
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	COGENTRIX 345KV	200	-0.03213	-0.08112	47
SWPA	BEAVER 161KV	20.3186	-0.11325	SWPA	KEYSTONE DAM 161KV	152.203	-0.03265	-0.0802	47
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	OEC 345KV	269	-0.03327	-0.07998	47
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	TULSA POWER STATION 138KV	299	-0.03275	-0.0805	47
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	NORTHEASTERN STATION 345KV	625	-0.034	-0.07925	48
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	NORTHEASTERN STATION 138KV	488	-0.03585	-0.0774	49
SWPA	BEAVER 161KV	20.3186	-0.11325	SPRM	MCCARTNEY 161KV	100	-0.03748	-0.0757	50
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04797	50
SWPA	BEAVER 161KV	20.3186	-0.11325	GRDA	GRDA1 161KV	123.2608	-0.03846	-0.07479	51
SWPA	BEAVER 161KV	20.3186	-0.11325	GRDA	GRDA1 345KV	220	-0.03954	-0.07371	51
SWPA	BEAVER 161KV	20.3186	-0.11325	GRDA	SALINA 161KV	37.8917	-0.03935	-0.0729	51
AEPW	TONTTOWN 161KV	346.12	-0.0532	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.0723	52
SWPA	BEAVER 161KV	20.3186	-0.11325	SPRM	JAMES RIVER 161KV	159	-0.04158	-0.07167	53
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	JONESBORO 161KV	63	0.01514	-0.07101	53
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.07174	53
SWPA	BEAVER 161KV	20.3186	-0.11325	SPRM	JAMES RIVER 69KV	233.8821	-0.04378	-0.06948	54
SWPA	BEAVER 161KV	20.3186	-0.11325	GRDA	PENSACOLA 161KV	33	-0.04255	-0.0707	53
EMDE	RIVERTON 69KV	24.78566	-0.05129	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.07039	54
SWPA	BEAVER 161KV	20.3186	-0.11325	SPRM	SOUTHWEST 161KV	198.5363	-0.04459	-0.06866	55
AEPW	FLINT CREEK 161KV	28	-0.04824	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.06834	55
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.06936	55
AEPW	TONTTOWN 161KV	346.12	-0.0532	SWPA	JONESBORO 161KV	63	0.01514	-0.06834	55
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	JONESBORO 161KV	63	0.01514	-0.06778	56
EMDE	ASBURY 161KV	20	-0.04769	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.06679	57
EMDE	RIVERTON 69KV	24.78566	-0.05129	EMDE	JONESBORO 161KV	63	0.01514	-0.06543	57
SWPA	BEAVER 161KV	20.3186	-0.11325	EMDE	ASBURY 161KV	191	-0.04769	-0.06556	58
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	JONESBORO 161KV	63	0.01514	-0.0654	58
SWPA	BEAVER 161KV	20.3186	-0.11325	AEPW	FLINT CREEK 161KV	400	-0.04824	-0.06401	59
AEPW	FLINT CREEK 161KV	28	-0.04824	SWPA	JONESBORO 161KV	63	0.01514	-0.06436	59
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.06369	59
EMDE	ASBURY 161KV	20	-0.04769	SWPA	JONESBORO 161KV	63	0.01514	-0.06283	60
SWPA	BEAVER 161KV	20.3186	-0.11325	EMDE	RIVERTON 161KV	156.1533	-0.05026	-0.06299	60
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.06272	60
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	JONESBORO 161KV	63	0.01514	-0.06273	60
GRDA	KERR 115KV	28.5	-0.03978	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05888	64
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	SIKESTON 161KV	235	0.00296	-0.05883	64
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05952	64
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	JONESBORO 161KV	63	0.01514	-0.05878	64
GRDA	KERR 161KV	28.5	-0.03935	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05845	65
GRDA	SALINA 161KV	60.3083	-0.03935	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05845	65
GRDA	GRDA1 161KV	66.37921	-0.03846	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05756	66
AEPW	TONTTOWN 161KV	346.12	-0.0532	SWPA	SIKESTON 161KV	235	0.00296	-0.05616	67
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	JONESBORO 161KV	63	0.01514	-0.05556	68
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	SIKESTON 161KV	235	0.00296	-0.0556	68
GRDA	KERR 115KV	28.5	-0.03978	SWPA	JONESBORO 161KV	63	0.01514	-0.05492	69
GRDA	KERR 161KV	28.5	-0.03935	SWPA	JONESBORO 161KV	63	0.01514	-0.05449	69
GRDA	SALINA 161KV	60.3083	-0.03935	SWPA	JONESBORO 161KV	63	0.01514	-0.05448	69
EMDE	RIVERTON 69KV	24.78566	-0.05129	SWPA	SIKESTON 161KV	235	0.00296	-0.05425	70
GRDA	GRDA1 161KV	66.37921	-0.03846	SWPA	JONESBORO 161KV	63	0.01514	-0.0536	71
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	SIKESTON 161KV	235	0.00296	-0.05322	71
AEPW	FLINT CREEK 161KV	28	-0.04824	SWPA	SIKESTON 161KV	235	0.00296	-0.0522	72
AEPW	COGENTRIX 345KV	1878.03	-0.03327	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05227	72
SWPA	KEYSTONE DAM 161KV	47.99796	-0.03305	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05215	73
AEPW	TULSA POWER STATION 69KV	80	-0.03275	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05185	73
AEPW	COGENTRIX 345KV	694	-0.03213	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.05123	74
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	FITZHUGH 161KV	109	-0.00656	-0.04931	77
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	OZARK 161KV	151.4031	-0.00656	-0.04933	77
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.04823	78
AEPW	OEC 345KV	1878.03	-0.03327	SWPA	JONESBORO 161KV	63	0.01514	-0.04841	78
SWPA	KEYSTONE DAM 161KV	47.99796	-0.03305	SWPA	JONESBORO 161KV	63	0.01514	-0.04819	79
AEPW	TULSA POWER STATION 69KV	80	-0.03275	SWPA	JONESBORO 161KV	63	0.01514	-0.04783	79
AEPW	COGENTRIX 345KV	694	-0.03213	SWPA	JONESBORO 161KV	63	0.01514	-0.04727	80
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	EASTMAN 138KV	355	-0.00868	-0.04719	80
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	KNOXLEE 138KV	284	-0.00858	-0.04729	80
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	LEBROCK 345KV	315	-0.00866	-0.04721	80
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	PIRKEY GENERATION 138KV	308	-0.00862	-0.04725	80
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	WILKES 345KV	308	-0.00866	-0.04701	80
OKGE	REBUD 345KV	1050	-0.02812	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04722	80
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	SIKESTON 161KV	235	0.00296	-0.04755	81
OKGE	NORSESHOE LAKE 138KV	64	-0.02757	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04687	81
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	WILKES 138KV	417.543	-0.00909	-0.04678	81
GRDA	MUSTANG 138KV	49	-0.02736	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04646	81
OKGE	PENSACOLA 69KV	63	-0.04362	SWPA	SIKESTON 161KV	235	0.00296	-0.04658	81
OKGE	SPGCK34 13.200 345KV	168	-0.02764	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04674	81
AEPW	TONTTOWN 161KV	346.12	-0.0532	SWPA	FITZHUGH 161KV	109	-0.00656	-0.04664	81
AEPW	TONTTOWN 161KV	346.12	-0.0532	SWPA	OZARK 161KV	151.4031	-0.00652	-0.04668	81
OKGE	MCCLEIN 138KV	50	-0.02718	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04628	82
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	FITZHUGH 161KV	109	-0.00656	-0.04608	82
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	OZARK 161KV	151.4031	-0.00654	-0.04612	82
AEPW	WELLETKA 138KV	162	-0.02724	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04634	82
EMDE	LARUSSEL 161KV	196	-0.05587	AEPW	WELSH 345KV	1044	-0.01015	-0.04572	83
OKGE	SEMINOLE 138KV	41.51312	-0.0265	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.0456	83
AEPW	SOUTHWESTERN STATION 138KV	225	-0.02637	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04547	83
AEPW	SOUTHWESTERN STATION 138KV	225	-0.02637	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04547	83
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.04556	83
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.045	84
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	EASTMAN 138KV	355	-0.00868	-0.04452	85
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	KNOXLEE 138KV	284	-0.00866	-0.04465	85
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	LEBROCK 345KV	315	-0.00866	-0.04454	85
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	PIRKEY GENERATION 138KV	308	-0.00862	-0.04458	85
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	WILKES 345KV	308	-0.00866	-0.04434	85
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	OZARK 161KV	151.4031	-0.00652	-0.04374	86
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	EASTMAN 138KV	355	-0.00868	-0.04386	86
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	KNOXLEE 138KV	284	-0.00858	-0.04406	86
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	LEBROCK 345KV	315	-0.00866	-0.04398	86
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	PIRKEY GENERATION 138KV	243	-0.00862	-0.04402	86
EMDE	STATE LINE 161KV	74	-0.05264	AEPW	WILKES 345KV	308	-0.00866	-0.04378	86
AEPW	TONTTOWN 161KV	346.12	-0.0532	AEPW	WILKES 138KV	417.543	-0.00909	-0.04411	86
MIPU	ARIES 161KV	595	-0.02423	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04333	87
AEPW	KIOWA 345KV	1348	-0.02439	SWPA	GREERS FERRY 161KV	94.67886	0.0191	-0.04349	87
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	CLARENCE CANNON DAM 69KV	39.93505	-0.01246	-0.04341	87
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	SWPA	SIKESTON 161KV	235			

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

From	To	From MW	To MW	From Voltage	To Voltage	From Type	To Type	From X	To X	From Y	To Y	From Z	To Z	From R	To R	From S	To S	From T	To T	From U	To U	From V	To V	From W	To W	From G1	To G1	From G2	To G2	From G3	To G3	From G4	To G4	From G5	To G5	From G6	To G6	From G7	To G7	From G8	To G8	From G9	To G9	From G10	To G10	From G11	To G11	From G12	To G12	From G13	To G13	From G14	To G14	From G15	To G15	From G16	To G16	From G17	To G17	From G18	To G18	From G19	To G19	From G20	To G20	From G21	To G21	From G22	To G22	From G23	To G23	From G24	To G24	From G25	To G25	From G26	To G26	From G27	To G27	From G28	To G28	From G29	To G29	From G30	To G30	From G31	To G31	From G32	To G32	From G33	To G33	From G34	To G34	From G35	To G35	From G36	To G36	From G37	To G37	From G38	To G38	From G39	To G39	From G40	To G40	From G41	To G41	From G42	To G42	From G43	To G43	From G44	To G44	From G45	To G45	From G46	To G46	From G47	To G47	From G48	To G48	From G49	To G49	From G50	To G50	From G51	To G51	From G52	To G52	From G53	To G53	From G54	To G54	From G55	To G55	From G56	To G56	From G57	To G57	From G58	To G58	From G59	To G59	From G60	To G60	From G61	To G61	From G62	To G62	From G63	To G63	From G64	To G64	From G65	To G65	From G66	To G66	From G67	To G67	From G68	To G68	From G69	To G69	From G70	To G70	From G71	To G71	From G72	To G72	From G73	To G73	From G74	To G74	From G75	To G75	From G76	To G76	From G77	To G77	From G78	To G78	From G79	To G79	From G80	To G80	From G81	To G81	From G82	To G82	From G83	To G83	From G84	To G84	From G85	To G85	From G86	To G86	From G87	To G87	From G88	To G88	From G89	To G89	From G90	To G90	From G91	To G91	From G92	To G92	From G93	To G93	From G94	To G94	From G95	To G95	From G96	To G96	From G97	To G97	From G98	To G98	From G99	To G99	From G100	To G100	From G101	To G101	From G102	To G102	From G103	To G103	From G104	To G104	From G105	To G105	From G106	To G106	From G107	To G107	From G108	To G108	From G109	To G109	From G110	To G110	From G111	To G111	From G112	To G112	From G113	To G113	From G114	To G114	From G115	To G115	From G116	To G116	From G117	To G117	From G118	To G118	From G119	To G119	From G120	To G120	From G121	To G121	From G122	To G122	From G123	To G123	From G124	To G124	From G125	To G125	From G126	To G126	From G127	To G127	From G128	To G128	From G129	To G129	From G130	To G130	From G131	To G131	From G132	To G132	From G133	To G133	From G134	To G134	From G135	To G135	From G136	To G136	From G137	To G137	From G138	To G138	From G139	To G139	From G140	To G140	From G141	To G141	From G142	To G142	From G143	To G143	From G144	To G144	From G145	To G145	From G146	To G146	From G147	To G147	From G148	To G148	From G149	To G149	From G150	To G150	From G151	To G151	From G152	To G152	From G153	To G153	From G154	To G154	From G155	To G155	From G156	To G156	From G157	To G157	From G158	To G158	From G159	To G159	From G160	To G160	From G161	To G161	From G162	To G162	From G163	To G163	From G164	To G164	From G165	To G165	From G166	To G166	From G167	To G167	From G168	To G168	From G169	To G169	From G170	To G170	From G171	To G171	From G172	To G172	From G173	To G173	From G174	To G174	From G175	To G175	From G176	To G176	From G177	To G177	From G178	To G178	From G179	To G179	From G180	To G180	From G181	To G181	From G182	To G182	From G183	To G183	From G184	To G184	From G185	To G185	From G186	To G186	From G187	To G187	From G188	To G188	From G189	To G189	From G190	To G190	From G191	To G191	From G192	To G192	From G193	To G193	From G194	To G194	From G195	To G195	From G196	To G196	From G197	To G197	From G198	To G198	From G199	To G199	From G200	To G200
MIFU	GREENWOOD 161KV	103.3754	-0.0241	SWPA	JONESBORO 161KV	63	0.01514	-0.03924	96																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	KIOWA 345KV	1348	-0.02439	SWPA	JONESBORO 161KV	63	0.01514	-0.03953	96																																																																																																																																																																																																																																																																																																																																																																																																																																
MIFU	RALPH GREEN 69KV	737	-0.0243	SWPA	JONESBORO 161KV	63	0.01514	-0.03937	96																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	STATE LINE 161KV	74	-0.05264	OKGE	AES 161KV	320	-0.0134	-0.03924	96																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	BROKEN BOW 138KV	94.67886	-0.0168	-0.03907	97																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	FITZHUGH 161KV	109	-0.00656	-0.03803	99																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	OZARK 161KV	151.4031	-0.00652	-0.03807	99																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	CLARENCE CANNON DAM 69KV	39.93505	-0.01246	-0.03774	100																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	FITZHUGH 161KV	109	-0.00656	-0.03706	102																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	SWPA	OZARK 161KV	151.4031	-0.00652	-0.03711	102																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.03695	102																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	ROBERT S. KERR 161KV	317.7867	-0.01618	-0.03702	102																																																																																																																																																																																																																																																																																																																																																																																																																																
MIFU	LAKE ROAD 161KV	91	-0.02162	SWPA	JONESBORO 161KV	63	0.01514	-0.03676	103																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	WFEC	HUGO 138KV	450	-0.01912	-0.03675	103																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	RIVERTON 161KV	128.8467	-0.05026	OKGE	AES 161KV	320	-0.0134	-0.03686	103																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	DEC 345KV	1878.03	-0.03327	SWPA	SIKESTON 161KV	235	0.00296	-0.03623	104																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	ROBERT S. KERR 161KV	317.7867	-0.01618	-0.03646	104																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	BROKEN BOW 138KV	94.67886	-0.0168	-0.0364	104																																																																																																																																																																																																																																																																																																																																																																																																																																
SWPA	TRUMAN 161KV	76.53459	-0.02139	SWPA	JONESBORO 161KV	63	0.01514	-0.03653	104																																																																																																																																																																																																																																																																																																																																																																																																																																
SWPA	KEYSTONE DAM 161KV	47.99796	-0.03305	SWPA	SIKESTON 161KV	235	0.00296	-0.03601	105																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.03698	105																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	EASTMAN 138KV	355	-0.00868	-0.03591	105																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	KNOXLEE 138KV	284	-0.00858	-0.03601	105																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	LEBROCK 345KV	315	-0.00866	-0.03593	105																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	PIRKEY GENERATION 138KV	243	-0.00862	-0.03597	106																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	WILKES 138KV	308	-0.00866	-0.03573	106																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	STATE LINE 161KV	74	-0.05264	SWPA	BROKEN BOW 138KV	94.67886	-0.0168	-0.03584	106																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TULSA POWER STATION 69KV	80	-0.03275	SWPA	SIKESTON 161KV	235	0.00296	-0.03571	106																																																																																																																																																																																																																																																																																																																																																																																																																																
SWPA	ROBERT S. KERR 161KV	70.91334	-0.01618	SWPA	GREENS FERRY 161KV	94.67886	0.0191	-0.03528	107																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	WILKES 138KV	417.543	-0.00989	-0.03535	107																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	COCENTRIX 345KV	694	-0.03213	SWPA	SIKESTON 161KV	235	0.00296	-0.03509	108																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	EASTMAN 138KV	355	-0.00868	-0.03494	108																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	KNOXLEE 138KV	284	-0.00858	-0.03504	108																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	LEBROCK 345KV	315	-0.00866	-0.03496	108																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	PIRKEY GENERATION 138KV	243	-0.00862	-0.03498	108																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	WILKES 138KV	308	-0.00866	-0.03476	109																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	MIFU	LAKE ROAD 345KV	92	-0.02162	-0.03425	110																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	TRUMAN 161KV	103.4654	-0.02139	-0.03448	110																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	WILKES 138KV	417.543	-0.00989	-0.03453	110																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	AEPW	WELSH 345KV	1044	-0.01015	-0.03444	110																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	RIVERTON 161KV	128.8467	-0.05026	WFEC	ROBERT S. KERR 161KV	317.7867	-0.01618	-0.03408	111																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TONTITOWN 161KV	346.12	-0.0532	WFEC	HUGO 138KV	450	-0.01912	-0.03408	111																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	FITZHUGH 161KV	109	-0.00656	-0.03386	112																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	OZARK 161KV	151.4031	-0.00652	-0.03393	112																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	PENSACOLA 69KV	63	-0.04362	AEPW	WELSH 345KV	1044	-0.01015	-0.03347	113																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	RIVERTON 161KV	128.8467	-0.05026	SWPA	BROKEN BOW 138KV	94.67886	-0.0168	-0.03346	113																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	STATE LINE 161KV	74	-0.05264	WFEC	HUGO 138KV	450	-0.01912	-0.03352	113																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	EUFALULA 138KV	51.73217	-0.02269	-0.03313	114																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	EUFALULA 161KV	70.68155	-0.02267	-0.03332	114																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	MIFU	SIBLEY 161KV	230.9578	-0.02267	-0.0332	114																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	MIFU	SIBLEY 69KV	45.99999	-0.02273	-0.03314	114																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.03278	115																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	SALINA 161KV	60.3083	-0.03935	AEPW	FITZHUGH 161KV	109	-0.00656	-0.03281	115																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	SALINA 161KV	60.3083	-0.03935	SWPA	OZARK 161KV	151.4031	-0.00652	-0.03283	115																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	GRDA1 161KV	66.37921	-0.03846	SWPA	OZARK 161KV	151.4031	-0.00652	-0.03194	118																																																																																																																																																																																																																																																																																																																																																																																																																																
SPRM	SOUTHWEST 161KV	83.46368	-0.04459	SWPA	CLARENCE CANNON DAM 69KV	39.93505	-0.01246	-0.03213	118																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	GRDA1 161KV	66.37921	-0.03846	AEPW	FITZHUGH 161KV	109	-0.00656	-0.03156	120																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	MIFU	GREENWOOD 161KV	146.4246	-0.0241	-0.03177	119																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	EASTMAN 138KV	355	-0.00868	-0.03174	119																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	KNOXLEE 138KV	284	-0.00858	-0.03184	119																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	LEBROCK 345KV	315	-0.00866	-0.03176	119																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	PIRKEY GENERATION 138KV	243	-0.00862	-0.0318	119																																																																																																																																																																																																																																																																																																																																																																																																																																
GRDA	SALINA 161KV	60.3083	-0.03935	AEPW	LIEBERMAN 138KV	96.85791	-0.00764	-0.03171	119																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TONTITOWN 161KV	346.12	-0.0532	SWPA	TRUMAN 161KV	103.4654	-0.02139	-0.03181	119																																																																																																																																																																																																																																																																																																																																																																																																																																
EMDE	LARUSSEL 161KV	196	-0.05587	SWPA	DENISON 138KV	60.23154	-0.02423	-0.03164	120																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	MID-CONTINENT 138KV	142.11	-0.04042	AEPW	WILKES 345KV	308	-0.00866	-0.03156	120																																																																																																																																																																																																																																																																																																																																																																																																																																
AEPW	TONTITOWN 161KV	346.12	-0.0532	MIFU	LAKE ROAD 345KV	92	-0.02162	-0.03158	120</																																																																																																																																																																																																																																																																																																																																																																																																																																

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

WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	ELLIS 69KV	6	-0.00094	-0.87846	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.87846	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	AES 161KV	320	-0.00095	-0.87845	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	KNOXLEE 138KV	42	-0.00101	-0.87839	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	LEBROCK 345KV	465	-0.00101	-0.87839	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.87839	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	EASTMAN 138KV	355	-0.00102	-0.87838	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	WILKES 345KV	103.8797	-0.00103	-0.87837	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	ELK RIVER 345KV	149.998	-0.00111	-0.87829	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	WELSH 345KV	1044	-0.00112	-0.87828	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	NORTHEASTERN STATION 345KV	625	-0.00116	-0.87824	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	NORTHEASTERN STATION 138KV	407	-0.0012	-0.87813	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MUSKOGEE 161KV	138	-0.00124	-0.87816	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	OEC 345KV	219	-0.00131	-0.87809	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MUSKOGEE 345KV	1026	-0.00135	-0.87805	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	RIVERSIDE STATION 138KV	181	-0.0014	-0.878	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	COGENTRIX 345KV	200	-0.00141	-0.87799	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00166	-0.87774	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	EVANS ENERGY CENTER 230KV	338.5232	-0.00187	-0.87753	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.87752	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CITY OF MULVANE 69KV	5.277	-0.0019	-0.8775	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	SOONER 138KV	535	-0.00217	-0.87723	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	REBUD 345KV	150	-0.00223	-0.87717	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	SOONER 345KV	537	-0.00228	-0.87712	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	HORSESHOE LAKE 69KV	16	-0.00232	-0.87708	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	SEMINOLE 345KV	766	-0.00236	-0.87706	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	HORSESHOE LAKE 138KV	112	-0.00235	-0.87705	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	SEMINOLE 138KV	253.2701	-0.00235	-0.87705	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.87693	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MUSTANG 138KV	181.6665	-0.00248	-0.87692	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MCCLAIN 138KV	470	-0.0025	-0.87689	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	CENTENIAL WIND 34KV	42.27177	-0.00344	-0.87596	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	FPLW2 34KV	38.24589	-0.00347	-0.87593	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.87583	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	COMANCHE 69KV	60	-0.00358	-0.87582	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	COMANCHE 138KV	145	-0.0036	-0.8758	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	WEATHERFORD 34KV	12	-0.00438	-0.87502	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.87095	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	HARPER 138KV	3.62	-0.01347	-0.86589	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	HUTCHINSON ENERGY CENTER 115KV	190	-0.02662	-0.85278	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIDW	COLBY 115KV	9.911638	-0.02708	-0.85232	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	JUDSDON LARGE 115KV	31.42835	-0.02927	-0.85013	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0293	-0.85013	1	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9796	-0.03135	-0.85231	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HOLTON 115KV	6	0.03196	-0.58662	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.5581	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 161KV	35	0.01889	-0.55555	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 34KV	92	0.01889	-0.55553	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	IATAN 345KV	396	0.0015	-0.55516	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	HAWTHORN 161KV	455	0.001	-0.55466	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	NEARMAN 20KV	199.5	0.00093	-0.55459	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	QUINDARO 161KV	119.8921	0.00093	-0.55459	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	QUINDARO 69KV	83	0.00093	-0.55459	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	LAWRENCE ENERGY CENTER 230KV	232.4322	0.00092	-0.55458	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.55458	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 161KV	229.9249	0.0009	-0.55456	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	MARSHALL 161KV	15	0.00072	-0.55438	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SOUTH HARPER 161KV	205.462	0.00052	-0.55428	1	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	LACYGNE UNIT 345KV	798.835	0.00007	-0.55373	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.55323	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	LARUSSEL 161KV	100	-0.00052	-0.55314	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ASBURY 161KV	191	-0.00056	-0.55311	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CHANUTE 69KV	47.15	-0.0006	-0.55306	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF ERIE 69KV	2	-0.0006	-0.55306	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	STATE LINE 161KV	130.975	-0.00064	-0.55302	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 69KV	45.29161	-0.00065	-0.55301	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 161KV	35	-0.00066	-0.55293	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.55297	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00069	-0.55297	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FITZLUIG 161KV	25	-0.00084	-0.55282	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.55278	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	ELLIS 69KV	6	-0.00094	-0.55274	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.55272	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	AES 161KV	320	-0.00095	-0.55271	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	KNOXLEE 138KV	42	-0.00101	-0.55265	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	LEBROCK 345KV	465	-0.00101	-0.55265	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.55265	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	EASTMAN 138KV	355	-0.00102	-0.55264	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WILKES 345KV	103.8797	-0.00103	-0.55263	1	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ELK RIVER 345KV	149.998	-0.00111	-0.55256	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WELSH 345KV	1044	-0.00112	-0.55254	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 345KV	625	-0.00116	-0.55251	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 138KV	407	-0.0012	-0.55246	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSKOGEE 161KV	138	-0.00124	-0.55242	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	OEC 345KV	219	-0.00131	-0.55236	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSKOGEE 345KV	1026	-0.00135	-0.55231	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	RIVERSIDE STATION 138KV	181	-0.0014	-0.55228	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COGENTRIX 345KV	200	-0.00141	-0.55225	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00166	-0.55179	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	EVANS ENERGY CENTER 230KV	338.5232	-0.00187	-0.55179	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.55178	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF MULVANE 69KV	5.277	-0.0019	-0.55176	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SOONER 138KV	535	-0.00217	-0.55149	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	REBUD 345KV	150	-0.00223	-0.55143	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SOONER 345KV	537	-0.00228	-0.55138	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	HORSESHOE LAKE 69KV	16	-0.00232	-0.55134	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SEMINOLE 345KV	766	-0.00236	-0.55131	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	HORSESHOE LAKE 138KV	112	-0.00235	-0.55131	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SEMINOLE 138KV	253.2701	-0.00235	-0.55131	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.55119	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSTANG 138KV	181.6665	-0.00248	-0.55118	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MCCLAIN 138KV	470	-0.0025	-0.55116	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	CENTENIAL WIND 34KV	42.27177	-0.00344	-0.55022	1	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	FPLW2 34KV	38.24589	-0.00347	-0.55019	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.55009	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 69KV	60	-0.00358	-0.55008	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 138KV	145	-0.0036	-0.55006	1	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WEATHERFORD 34KV	12	-0.00438	-0.54928	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.54521	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	HARPER 138KV	3.62	-0.01347	-0.54019	1	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HUTCHINSON ENERGY CENTER 115KV	190	-0.02662	-0.52704	1	1
WEPL	CLIFTON 115KV	70	-0.55366	MIDW						

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

MIDW	KNOLL 115KV	75.924	-0.0640	WERE	CHANUTE 69KV	47.15	-0.0006	-0.06344	7
MIDW	KNOLL 115KV	75.924	-0.0640	EMDE	STATE LINE 161KV	130.9753	-0.0064	-0.0634	7
MIDW	KNOLL 115KV	75.924	-0.0640	EMDE	RIVERTON 69KV	45.29161	-0.0065	-0.06339	7
MIDW	KNOLL 115KV	75.924	-0.0640	EMDE	RIVERTON 161KV	35	-0.0066	-0.06338	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.0069	-0.06335	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.0069	-0.06335	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACP	IATAN 345KV	396	0.0015	-0.06321	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	FITZLUIGH 161KV	25	-0.0068	-0.06317	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	CITY OF AUGUSTA 69KV	12.42	-0.0088	-0.06316	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	ELLIS 69KV	6	-0.0094	-0.0631	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	FLINT CREEK 161KV	400	-0.0094	-0.0631	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	AES 161KV	320	-0.0095	-0.06309	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	KNOXLEE 138KV	42	-0.0101	-0.06303	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	LEBROCK 345KV	465	-0.0101	-0.06303	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	PIRKEY GENERATION 138KV	213	-0.0101	-0.06303	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	EASTMAN 138KV	355	-0.0102	-0.06302	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	WILKES 345KV	103.8797	-0.0103	-0.06301	7
MIDW	KNOLL 115KV	75.924	-0.0640	EMDE	ELK RIVER 345KV	149.998	-0.0111	-0.06293	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	WELSH 345KV	1044	-0.0112	-0.06292	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	NORTHEASTERN STATION 345KV	625	-0.0116	-0.06288	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	NORTHEASTERN STATION 138KV	407	-0.0112	-0.06284	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	MUSKOGEE 161KV	138	-0.0124	-0.0628	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	DEC 345KV	219	-0.0131	-0.06273	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACP	HAWTHORN 161KV	455	0.001	-0.06271	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	MUSKOGEE 345KV	1026	-0.0135	-0.06269	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACY	NEARMAN 20KV	199.5	0.0092	-0.06264	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACY	QUINDARO 161KV	119.8921	0.0093	-0.06264	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACY	QUINDARO 69KV	83	0.0093	-0.06264	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	RIVERSIDE STATION 138KV	181	-0.014	-0.06264	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	LAWRENCE ENERGY CENTER 230KV	232.4322	0.0092	-0.06263	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	MIFPU	SIBLEY 69KV	45.99999	0.0092	-0.06263	7
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	COGENTRIX 345KV	200	-0.0141	-0.06263	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	MIFPU	SIBLEY 161KV	229.9249	0.0099	-0.06261	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACP	MARSHALL 161KV	15	0.0072	-0.06243	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0146	-0.06238	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	MIFPU	SOUTH HARPER 161KV	205.462	0.0052	-0.06223	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	EVANS ENERGY CENTER 138KV	338.5232	-0.0187	-0.06217	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0188	-0.06216	7
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	CITY OF MULVANE 69KV	5.277	-0.019	-0.06214	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	SOONER 138KV	535	-0.0217	-0.06187	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	REBUD 345KV	150	-0.0223	-0.06181	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	KACP	LACYGNE UNIT 345KV	798.835	0.0007	-0.06178	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	SOONER 345KV	537	-0.0228	-0.06176	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	HORSESHOE LAKE 69KV	16	-0.0232	-0.06172	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	SEMINOLE 345KV	756	-0.0232	-0.06172	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	HORSESHOE LAKE 138KV	112	-0.0235	-0.06169	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	SEMINOLE 138KV	253.2071	-0.0235	-0.06169	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	SMITH COGEN 138KV	107	-0.0247	-0.06159	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	MUSTANG 138KV	181.6665	-0.0248	-0.06156	7
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	MCCLAIN 138KV	470	-0.025	-0.06154	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	OZARK BEACH 161KV	16	-0.0043	-0.06128	8
WEPL	JUDSON LARGE 115KV	71.57165	-0.0292	WERE	HOLTON 115KV	6	0.03196	-0.06123	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	LARUSSEL 161KV	11	-0.0058	-0.06119	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	ASBURY 161KV	191	-0.0056	-0.06115	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	CHANUTE 69KV	47.15	-0.0006	-0.06111	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	STATE LINE 161KV	130.9753	-0.0064	-0.06107	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	RIVERTON 69KV	45.29161	-0.0065	-0.06106	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	EMDE	RIVERTON 161KV	35	-0.0066	-0.06105	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.0069	-0.06102	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.0069	-0.06102	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	FITZLUIGH 161KV	25	-0.0084	-0.06087	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	CITY OF AUGUSTA 69KV	12.42	-0.0088	-0.06083	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	ELLIS 69KV	6	-0.0094	-0.06077	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	FLINT CREEK 161KV	400	-0.0094	-0.06077	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	AES 161KV	320	-0.0095	-0.06076	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	KNOXLEE 138KV	42	-0.0101	-0.06072	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	LEBROCK 345KV	465	-0.0101	-0.0607	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	PIRKEY GENERATION 138KV	213	-0.0101	-0.0607	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	EASTMAN 138KV	355	-0.0102	-0.06069	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	WILKES 345KV	103.8797	-0.0103	-0.06068	8
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	CENTENIAL WIND 34KV	42.27177	-0.011	-0.06066	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	WELSH 345KV	1044	-0.0112	-0.06059	8
MIDW	KNOLL 115KV	75.924	-0.0640	OKGKE	FPLWIND2 34KV	38.24589	-0.0047	-0.06057	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	NORTHEASTERN STATION 345KV	625	-0.0116	-0.06055	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	NORTHEASTERN STATION 138KV	407	-0.0112	-0.06051	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	MUSKOGEE 161KV	138	-0.0124	-0.06047	8
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.06047	8
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	COMACHE 69KV	60	-0.00358	-0.06046	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	75.924	-0.0640	AEPWP	COMACHE 138KV	145	-0.0036	-0.06044	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	DEC 345KV	219	-0.0131	-0.0604	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	MUSKOGEE 345KV	1026	-0.0135	-0.06036	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	RIVERSIDE STATION 138KV	181	-0.014	-0.06031	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	COGENTRIX 345KV	200	-0.0141	-0.06031	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0146	-0.06025	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	EVANS ENERGY CENTER 138KV	338.5232	-0.0187	-0.05984	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0188	-0.05983	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	CITY OF MULVANE 69KV	5.277	-0.019	-0.05981	8
MIDW	KNOLL 115KV	75.924	-0.0640	AEPWP	WEATHERFORD 34KV	12	-0.0438	-0.05966	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	SOONER 138KV	535	-0.0217	-0.05954	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	REBUD 345KV	150	-0.0223	-0.05948	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	SOONER 345KV	537	-0.0228	-0.05943	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	HORSESHOE LAKE 69KV	16	-0.0232	-0.05939	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	SEMINOLE 345KV	756	-0.0232	-0.05936	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	HORSESHOE LAKE 138KV	112	-0.0235	-0.05936	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	SEMINOLE 138KV	253.2071	-0.0235	-0.05936	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	SMITH COGEN 138KV	107	-0.0247	-0.05924	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	MUSTANG 138KV	181.6665	-0.0248	-0.05923	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	MCCLAIN 138KV	470	-0.025	-0.05921	8
MIDW	COLBY 115KV	15.08836	-0.02708	WERE	HOLTON 115KV	6	0.03196	-0.05904	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02688	WERE	HOLTON 115KV	6	0.03196	-0.05884	8
WERE	HUTCHINSON ENERGY CENTER 115KV	254	-0.02862	WERE	HOLTON 115KV	6	0.03196	-0.05888	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	CENTENIAL WIND 34KV	42.27177	-0.011	-0.05927	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	OKGKE	FPLWIND2 34KV	38.24589	-0.0047	-0.05824	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.05814	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	COMACHE 69KV	60	-0.00358	-0.05813	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	COMACHE 138KV	145	-0.0036	-0.05811	8
WEPL	COMARRON RIVER 115KV	72	-0.02807	WERE	HOLTON 115KV	6	0.03196	-0.05803	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	AEPWP	WEATHERFORD 34KV	12	-0.0438	-0.05733	8
MIDW	lyons 115kv	999	-0.02416	WERE	HOLTON 115KV	6	0.03196	-0.05612	8
MIDW	KNOLL 115KV	75.924	-0.0640	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.05599	8
WERE	SPU - CITY OF MCPHERSON 115KV	232	-0.02269	WERE	HOLTON 115KV	6	0.03196	-0.05485	8
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.0671	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.05326	8
MIDW	pawnee 115kv	999	-0.04135	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.04579	10
MIDW	pawnee 115kv	999	-0.04135	MIFPU	LAKE ROAD 161KV	35	0.00189	-0.04324	11
MIDW	pawnee 115kv	999	-0.04135	MIFPU	LAKE ROAD 34KV	92	0.00189	-0.04324	11
MIDW									

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

Source	Sink	Maximum Decrement (MW)	Maximum Increment (MW)	Factor	Relief Amount (MW)
MIDW	paawee 115kv	999	-0.04135 AEPW		FLINT CREEK 161KV
MIDW	paawee 115kv	999	-0.04135 OKGE		AES 161KV
MIDW	paawee 115kv	999	-0.04135 AEPW		KNOXLEE 138KV
MIDW	paawee 115kv	999	-0.04135 AEPW		LEBROCK 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		PIRKEY GENERATION 138KV
MIDW	paawee 115kv	999	-0.04135 AEPW		EASTMAN 138KV
MIDW	paawee 115kv	999	-0.04135 AEPW		WILKES 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		TELK RIVER 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		WELSH 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		NORTHEASTERN STATION 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		NORTHEASTERN STATION 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		MUSKOGEE 161KV
MIDW	paawee 115kv	999	-0.04135 AEPW		OEC 345KV
MIDW	paawee 115kv	999	-0.04135 OKGE		MUSKOGEE 345KV
MIDW	paawee 115kv	999	-0.04135 AEPW		RIVERSIDE STATION 138KV
MIDW	paawee 115kv	999	-0.04135 AEPW		COGENTRIX 345KV
MIDW	paawee 115kv	999	-0.04135 WERE		JEFFREY ENERGY CENTER 230KV
MIDW	paawee 115kv	999	-0.04135 WERE		EVANS ENERGY CENTER 138KV
MIDW	paawee 115kv	999	-0.04135 WERE		JEFFREY ENERGY CENTER 345KV
MIDW	paawee 115kv	999	-0.04135 OKGE		SOOMER 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		REDBUD 345KV
MIDW	paawee 115kv	999	-0.04135 OKGE		SOOMER 345KV
MIDW	paawee 115kv	999	-0.04135 OKGE		HORSESHOE LAKE 69KV
MIDW	paawee 115kv	999	-0.04135 OKGE		SEMINOLE 345KV
MIDW	paawee 115kv	999	-0.04135 OKGE		HORSESHOE LAKE 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		SEMINOLE 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		SMITH COGEN 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		MUSTANG 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		MCCLAIN 138KV
MIDW	paawee 115kv	999	-0.04135 OKGE		CENTENIAL WIND 34KV
MIDW	paawee 115kv	999	-0.04135 OKGE		FRLWIND2 34KV
MIDW	paawee 115kv	999	-0.04135 AEPW		SOUTHWESTERN STATION 138KV
MIDW	paawee 115kv	999	-0.04135 AEPW		COMANCHE 69KV
MIDW	paawee 115kv	999	-0.04135 AEPW		COMANCHE 138KV
MIDW	paawee 115kv	75.924	-0.06404 WERE		HUTCHINSON ENERGY CENTER 115KV
MIDW	paawee 115kv	75.924	-0.06404 WERE		WEATHERFORD 34KV
MIDW	paawee 115kv	75.924	-0.06404 WERE		COLBY 115KV
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.06171 WERE		HUTCHINSON ENERGY CENTER 115KV
MIDW	KNOLL 115KV	75.924	-0.06404 WEPL		JUDSON LARGE 115KV
MIDW	KNOLL 115KV	75.924	-0.06404 WEPL		GRAY COUNTY WIND FARM 115KV
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.06171 MIDW		COLBY 115KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 WERE		TUCUMSEH ENERGY CENTER 115KV
WEPL	KNOLL 115KV	75.924	-0.06404 KACP		GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.06171 WERE		JUDSON LARGE 115KV
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.06171 WEPL		GRAY COUNTY WIND FARM 115KV
MIDW	COLBY 115KV	15.08836	-0.02708 WERE		TUCUMSEH ENERGY CENTER 115KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 MIPU		LAKE ROAD 161KV
MIDW	JUDSON LARGE 115KV	71.57165	-0.02927 MIPU		LAKE ROAD 34KV
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02668 WERE		TUCUMSEH ENERGY CENTER 115KV
WERE	HUTCHINSON ENERGY CENTER 115KV	254	-0.02662 WERE		TUCUMSEH ENERGY CENTER 115KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 KACP		IATAN 345KV
WEPL	CIMARRON RIVER 115KV	72	-0.02607 WERE		HUTCHINSON ENERGY CENTER 115KV
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.06171 KACP		GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 KACP		HAUTHORN 161KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 KACP		NEARMAN 20KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 KACP		QUINDARO 161KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 KACP		QUINDARO 69KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 MIPU		LAWRENCE ENERGY CENTER 230KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 MIPU		SIBLEY 69KV
WEPL	JUDSON LARGE 115KV	71.57165	-0.02927 MIPU		SIBLEY 161KV

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

Factor = Source GSF * Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1 & CLAY CENTER - GREENLEAF 115KV CKT 1
 Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
 Direction: From->To
 Line Outage: 2003-6AT 230.00 - EAST MANHATTAN 230KV CKT 1
 Flowgate: 2007AG1AFS41315208G
 Date Redispatch Needed: Starting 2008-01-01 't1' Until EOC of Upgrade
 Season Flowgate Identified: 2008 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount	Maximum Decrement (MW)		GSF	Sink Control Area		Maximum Increment (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
			Source	Sink		Source	Sink				
1222932		0.5									
Source Control Area	Source		Maximum Decrement (MW)	Sink	Factor	Maximum Decrement (MW)	Sink	Factor	Aggregate Redispatch Amount (MW)		
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	HOLON 115KV	6	0.03196	-0.91136	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	TUCUMSEH ENERGY CENTER 115KV	135	0.0044	-0.88129	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	LAKE ROAD 161KV	35	0.0189	-0.88129	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 MIPU	LAKE ROAD 34KV	92	0.0189	-0.88129	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	IATAN 345KV	396	0.0015	-0.8809	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	BTH STREET 115KV	1,005	0.00136	-0.88076	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	HAUTHORN 161KV	663,924	0.0052	-0.87946	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	LAWRENCE ENERGY CENTER 230KV	232,7524	0.0093	-0.88033	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	NEARMAN 20KV	210.5	0.0093	-0.88033	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	QUINDARO 161KV	114,8522	0.0093	-0.88033	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	QUINDARO 69KV	60	0.0092	-0.88032	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 MIPU	SIBLEY 69KV	45,9999	0.0092	-0.88032	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 MIPU	SIBLEY 161KV	228,4982	0.009	-0.8803	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	MARSHALL 161KV	15	0.0072	-0.88012	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	MONROSE 161KV	354.71	0.0057	-0.87997	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 MIPU	SOUTH HARPER 161KV	264,9471	0.0052	-0.8792	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 KACP	LACYONE UNIT 345KV	477	0.0007	-0.87947	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 EMDE	OZARK BEACH 161KV	16	-0.0043	-0.87897	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 EMDE	LARUSSEL 161KV	100	-0.0052	-0.87888	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	ASSURRY 161KV	691	-0.0056	-0.87864	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	CHANUTE 69KV	47.15	-0.006	-0.8788	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	CITY OF ERIE 69KV	2	-0.006	-0.8788	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 EMDE	STATE LINE 161KV	165,7648	-0.0064	-0.87876	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 EMDE	RIVERTON 69KV	45,39851	-0.0065	-0.87875	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	RIVERTON 161KV	35	-0.006	-0.87874	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	CITY OF BURLINGTON 69KV	10020.08	-0.0069	-0.87871	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.0069	-0.87871	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	FITZHIGH 161KV	16	-0.0084	-0.87856	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	CITY OF AUGUSTA 69KV	12.42	-0.0088	-0.87852	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	ELLIS 69KV	6	0.0094	-0.87846	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	FLINT CREEK 161KV	400	-0.0094	-0.87846	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	AES 161KV	320	-0.0095	-0.87845	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	KNOXLEE 138KV	137,6416	-0.0101	-0.87839	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	LEBROCK 345KV	465	-0.0101	-0.87839	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	PIRKEY GENERATION 138KV	213	-0.0101	-0.87839	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	EASTMAN 138KV	355	-0.0102	-0.87838	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	WILKES 345KV	241,3065	-0.0103	-0.87837	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	WILKES 138KV	192	-0.0105	-0.87835	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 EMDE	TELK RIVER 345KV	149,9508	-0.0111	-0.87829	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	WELSH 345KV	1044	-0.0112	-0.87828	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	NORTHEASTERN STATION 345KV	625	-0.0116	-0.87824	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	NORTHEASTERN STATION 138KV	407	-0.012	-0.8782	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	MUSKOGEE 161KV	150	-0.0124	-0.87816	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	OEC 345KV	269	-0.0151	-0.87809	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	MUSKOGEE 345KV	1548	-0.0135	-0.87805	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 AEPW	COGENTRIX 345KV	200	-0.0141	-0.87799	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0166	-0.87774	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	EVANS ENERGY CENTER 138KV	1,865	-0.0187	-0.87763	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0188	-0.87752	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 WERE	CITY OF MULVANE 69KV	5.5	-0.019	-0.8775	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	SOOMER 138KV	535	-0.0217	-0.87723	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	REDBUD 345KV	450	-0.0223	-0.87717	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	SOOMER 345KV	537	-0.0228	-0.87712	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	SEMINOLE 345KV	360	-0.0232	-0.87708	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	HORSESHOE LAKE 138KV	153	-0.0235	-0.87705	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	SEMINOLE 138KV	146,4693	-0.0235	-0.87705	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	GILL ENERGY CENTER 69KV	69,22144	-0.024	-0.87695	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	SMITH COGEN 138KV	107	-0.0247	-0.87693	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	MUSTANG 138KV	126	-0.0248	-0.87692	1			1
WERE	SOUTH SENECA 115KV	12.7	-0.8794 OKGE	MCCLAIN 138KV	470	-0.025	-0.8769	1			1

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

WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.87667	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	ORKE	CENTENIAL WIND 34KV	31	-0.0344	-0.87596	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	ORKE	FLWIND2 34KV	31	-0.0346	-0.87594	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	SOUTHWESTERN STATION 138KV	116	-0.0357	-0.87583	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	SOUTHWESTERN STATION 138KV	267	-0.0357	-0.87583	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	COMANCHE 69KV	60	-0.0358	-0.87582	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	COMANCHE 69KV	145	-0.0336	-0.87578	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEPW	WEATHERFORD 34KV	12	-0.0438	-0.87578	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.0045	-0.87095	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	HARPER 138KV	3.62	-0.01347	-0.86593	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.02662	-0.85278	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIDW	COLBY 115KV	5.622144	-0.02708	-0.85268	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	SMOKEY HILLS 34KV	152	-0.02906	-0.85034	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	JUDSON LARGE 115KV	54.54193	-0.02927	-0.85013	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0293	-0.85011	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.03135	-0.84905	1
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	A. M. MULLERGRGEN GENERATOR 115KV	25	-0.06771	-0.81769	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HOLTON 115KV	6	0.03196	-0.58562	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.5581	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 161KV	35	0.00189	-0.55555	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 34KV	92	0.00189	-0.55555	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	IATAN 345KV	396	0.0015	-0.55516	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	6TH STREET 115KV	1.005	0.00136	-0.55502	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	HAWTHORN 161KV	663.1245	0.001	-0.55466	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	NEARMAN 20KV	210.5	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	QUINDARO 161KV	114.8522	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACY	QUINDARO 69KV	60	0.00092	-0.55458	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.55458	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 161KV	228.4982	0.0009	-0.55456	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	MARSHALL 161KV	15	0.00072	-0.55438	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	MONTROSE 161KV	354.71	0.00057	-0.55423	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.55418	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	LACYGNE UNIT 345KV	477	0.00007	-0.55373	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.55323	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	LARUSSEL 161KV	100	-0.00052	-0.55314	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ASBURY 161KV	191	-0.00056	-0.5531	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CHANUTE 69KV	47.15	-0.0006	-0.55306	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF ERIE 69KV	2	-0.0006	-0.55306	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.55302	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.55301	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 161KV	35	-0.00066	-0.553	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.55297	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00069	-0.55297	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FITZHUGH 161KV	16	-0.00084	-0.55282	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.55278	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	ELLIS 69KV	6	-0.00094	-0.55272	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.55272	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	AES 161KV	320	-0.00095	-0.55271	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	KNOXLEE 138KV	137.6416	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	LEBROCK 345KV	465	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	PIRKIE GENERATION 138KV	213	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	EASTMAN 138KV	241.3065	-0.00103	-0.55263	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WILKES 345KV	192	-0.00105	-0.55261	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ELK RIVER 345KV	149.9958	-0.00111	-0.55255	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WELSH 345KV	1044	-0.00112	-0.55254	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 345KV	6	-0.0016	-0.55263	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 138KV	407	-0.0012	-0.55246	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	MUSKOGEE 161KV	91	-0.00124	-0.55242	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	OEC 345KV	269	-0.00131	-0.55235	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	MUSKOGEE 345KV	158	-0.00135	-0.55231	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COGENTRIX 345KV	200	-0.00141	-0.55225	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00166	-0.552	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	EYVANS ENERGY CENTER 138KV	485	-0.00187	-0.55179	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.55178	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	CITY OF MULVANE 69KV	15.1	-0.0013	-0.55207	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	SOONER 138KV	535	-0.00217	-0.55149	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	REDDUD 345KV	150	-0.00223	-0.55143	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	SOONER 345KV	537	-0.00228	-0.55138	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	SEMINOLE 138KV	360	-0.0023	-0.55134	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	HORSESHOE LAKE 138KV	153	-0.00235	-0.55131	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	SEMINOLE 138KV	146.4683	-0.00235	-0.55131	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00245	-0.55121	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	SMITH COGEN 138KV	107	-0.00247	-0.55119	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	MUSTANG 138KV	178	-0.00248	-0.55118	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	MCCLAIN 138KV	470	-0.0025	-0.55116	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.55093	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	CENTENIAL WIND 34KV	31	-0.0344	-0.55022	1
WEPL	CLIFTON 115KV	70	-0.55366	ORKE	FLWIND2 34KV	31	-0.0346	-0.5502	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	SOUTHWESTERN STATION 138KV	116	-0.0357	-0.55009	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	SOUTHWESTERN STATION 138KV	267	-0.0357	-0.55009	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 69KV	60	-0.0358	-0.55008	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 69KV	145	-0.0336	-0.55006	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WEATHERFORD 34KV	12	-0.0438	-0.54928	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.0045	-0.54521	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	HARPER 138KV	3.62	-0.01347	-0.54019	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.02662	-0.52704	1
WEPL	CLIFTON 115KV	70	-0.55366	MIDW	COLBY 115KV	5.622144	-0.02708	-0.52658	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	SMOKEY HILLS 34KV	152	-0.02906	-0.5246	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	JUDSON LARGE 115KV	54.54193	-0.02927	-0.52439	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0293	-0.52436	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.03135	-0.52231	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	A. M. MULLERGRGEN GENERATOR 115KV	25	-0.06771	-0.49186	1
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	HOLTON 115KV	6	0.03196	-0.096	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	HOLTON 115KV	6	0.03196	-0.09367	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	HOLTON 115KV	6	0.03196	-0.07331	7
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.06349	8
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	LAKE ROAD 161KV	35	0.00189	-0.06593	8
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	LAKE ROAD 34KV	92	0.00189	-0.06593	8
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	IATAN 345KV	396	0.0015	-0.06549	8
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	HAWTHORN 161KV	663.1245	0.001	-0.06504	8
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.06497	8
MIDW	KNOLL 115KV	75.924	-0.06404	KACY	NEARMAN 20KV	210.5	0.00093	-0.06497	8
MIDW	KNOLL 115KV	75.924	-0.06404	KACY	QUINDARO 161KV	114.8522	0.00093	-0.06497	8
MIDW	KNOLL 115KV	75.924	-0.06404	KACY	QUINDARO 69KV	60	0.00092	-0.06496	8
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.06496	8

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

MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	NORTHEASTERN STATION 345KV			625	-0.00116	-0.06288	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	NORTHEASTERN STATION 138KV			407	-0.0012	-0.06284	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	MUSKOGEE 161KV			91	-0.0124	-0.06263	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	OEC 345KV			269	-0.00131	-0.06273	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACP	HAWTHORN 161KV		663.1245	0.001	-0.06271	8	
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	MUSKOGEE 345KV			1548	-0.00135	-0.06269	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	LAWRENCE ENERGY CENTER 230KV		232.7524	0.00093	-0.06264	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACV	NEARMAN 20KV		210.5	0.00093	-0.06264	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACV	QUINDARO 161KV		114.8522	0.00093	-0.06264	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACV	QUINDARO 69KV		60	0.00092	-0.06263	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/MIPU	SIBLEY 69KV		45.99999	0.00092	-0.06263	8	
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	COGENTRIX 345KV			200	-0.0141	-0.06261	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/MIPU	SIBLEY 161KV		228.4982	0.0009	-0.06261	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACP	MARSHALL 161KV		15	0.00072	-0.06243	8	
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	JEFFREY ENERGY CENTER 230KV			470	-0.00166	-0.06238	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACP	MONROUSE 161KV		354.71	0.00057	-0.06228	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/MIPU	SOUTH HARPER 161KV		264.9471	0.00052	-0.06223	8	
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	EVANS ENERGY CENTER 138KV			485	-0.00187	-0.06217	8
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	JEFFREY ENERGY CENTER 345KV			940	-0.00188	-0.06216	8
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	CITY OF MULVANE 69KV			5.5	-0.0019	-0.06214	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	SOONER 138KV			535	-0.00217	-0.06187	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	REDBUD 345KV			150	-0.00223	-0.06181	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/KACP	LACYGNE UNIT 345KV			477	0.00007	-0.06178	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	SOONER 345KV			537	-0.00228	-0.06176	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	SEMINOLE 345KV			360	-0.00232	-0.06172	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	HORSESHOE LAKE 138KV			153	-0.00235	-0.06169	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	SEMINOLE 138KV		146.4683	-0.00235	-0.06169	8	
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	GILL ENERGY CENTER 69KV		69.22144	-0.00245	-0.06159	8	
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	SMITH COGEN 138KV			107	-0.00247	-0.06157	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	MUSTANG 138KV			126	-0.00248	-0.06156	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	MCLAIN 138KV			470	-0.0025	-0.06154	8
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	GILL ENERGY CENTER 138KV			155	-0.00273	-0.06131	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	OZARK BEACH 161KV			16	-0.00043	-0.06128	8
WEPL	JUDSON LARGE 115KV		48.45807	-0.02927/WERE	HOLTON 115KV			6	0.03196	-0.06123	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	RIVERTON 69KV			100	-0.00052	-0.06119	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	ASBURY 161KV			191	-0.00056	-0.06115	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	CHANUTE 69KV			47.15	-0.0006	-0.06111	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	STATE LINE 161KV		165.7648	-0.00064	-0.06107	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	RIVERTON 69KV		45.39851	-0.00065	-0.06106	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	RIVERTON 161KV			35	-0.00066	-0.06105	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	CITY OF BURLINGTON 69KV		10020.08	-0.00069	-0.06102	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	COFFEY COUNTY NO. 2 SHARPE 69KV		20.09	-0.00069	-0.06102	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	FITZHUGH 161KV			16	-0.00084	-0.06100	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	CITY OF AUGUSTA 69KV		12.42	-0.0008	-0.06098	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	ELLIS 69KV			6	-0.00094	-0.06077	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	FLINT CREEK 161KV			400	-0.00094	-0.06077	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	AES 161KV			320	-0.00095	-0.06076	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	KNOXLEE 138KV		137.6416	-0.00101	-0.06074	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	LEBROCK 345KV			465	-0.00101	-0.06073	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	PIRKEY GENERATION 138KV			213	-0.00101	-0.06073	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	EASTMAN 138KV			355	-0.00102	-0.06069	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	WILKES 345KV		241.3065	-0.00103	-0.06068	8	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	WILKES 138KV			192	-0.00105	-0.06066	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/EMDE	ELK RIVER 345KV		149.9958	-0.00111	-0.0606	8	
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	CENTENAL WIND 34KV			31	-0.00344	-0.0606	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	WELSH 345KV			1044	-0.00112	-0.06059	8
MIDW	KNOLL 115KV		75.924	-0.0640/CKGE	FRLWIND 34KV			31	-0.00346	-0.06058	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	NORTHEASTERN STATION 345KV			6	-0.0016	-0.06055	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	NORTHEASTERN STATION 138KV			407	-0.0012	-0.06051	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	MUSKOGEE 161KV			91	-0.00124	-0.06047	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	SOUTHWESTERN STATION 138KV			116	-0.00357	-0.06047	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	SOUTHWESTERN STATION 138KV			237	-0.00357	-0.06047	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	COMANCHE 69KV			60	-0.00358	-0.06046	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	COMANCHE 138KV			145	-0.0036	-0.06044	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	OEC 345KV			269	-0.00131	-0.0604	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	MUSKOGEE 345KV			1548	-0.00135	-0.06034	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	COGENTRIX 345KV			200	-0.014	-0.06033	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	JEFFREY ENERGY CENTER 230KV			470	-0.00166	-0.06005	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	EVANS ENERGY CENTER 138KV			485	-0.00187	-0.05984	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	JEFFREY ENERGY CENTER 345KV			940	-0.00188	-0.05983	8
MIDW	KNOLL 115KV		75.924	-0.0640/AEPW	WEATHERFORD 34KV			100	-0.00346	-0.05969	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	SOONER 138KV			535	-0.00217	-0.05954	8
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	REDBUD 345KV			150	-0.00223	-0.05948	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	SOONER 345KV			537	-0.00228	-0.05943	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	SEMINOLE 345KV			360	-0.00232	-0.05939	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	HORSESHOE LAKE 138KV			153	-0.00235	-0.05936	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	SEMINOLE 138KV		146.4683	-0.00235	-0.05936	9	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	GILL ENERGY CENTER 69KV		69.22144	-0.00245	-0.05926	9	
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	SMITH COGEN 138KV			107	-0.00247	-0.05924	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	MUSTANG 138KV			126	-0.00248	-0.05923	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	MCLAIN 138KV			470	-0.0025	-0.05921	9
MIDW	COLBY 115KV		19.37786	-0.02708/WERE	HOLTON 115KV			6	0.03196	-0.05904	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/WERE	GILL ENERGY CENTER 138KV			155	-0.00273	-0.05898	9
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.02688/WERE	HOLTON 115KV			6	0.03196	-0.05894	9
WERE	HUTCHINSON ENERGY CENTER 69KV		219	-0.02682/WERE	HOLTON 115KV			6	0.03196	-0.05889	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	CENTENAL WIND 34KV			31	-0.00344	-0.05827	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/CKGE	FRLWIND 34KV			31	-0.00346	-0.05825	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	SOUTHWESTERN STATION 138KV			116	-0.00357	-0.05814	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	SOUTHWESTERN STATION 138KV			237	-0.00357	-0.05813	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	COMANCHE 69KV			60	-0.00358	-0.05813	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	COMANCHE 138KV			145	-0.0036	-0.05811	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		72	-0.02607/WERE	HOLTON 115KV			6	0.03196	-0.05803	9
WEPL	A. M. MULLERGRN GENERATOR 115KV		38	-0.06171/AEPW	WEATHERFORD 34KV			12	-0.00438	-0.05733	9
MIDW	horns 115kv		999	-0.02416/WERE	HOLTON 115KV			6	0.03196	-0.05728	9
MIDW	KNOLL 115KV		75.924	-0.0640/WERE	CLAY CENTER JUNCTION 115KV			6.00999	-0.00845	-0.05559	9
MIDW	pawnee 115kv		999	-0.04135/WERE	TECUMSEH ENERGY CENTER 115KV			133	0.00444	-0.04579	11
MIDW	pawnee 115kv		999	-0.04135/MIPU	LAKE ROAD 161KV			35	0.00189	-0.04324	12
MIDW	pawnee 115kv		999	-0.04135/MIPU	LAKE ROAD 34KV			62	0.00189	-0.04324	12
MIDW	pawnee 115kv		999	-0.04135/KACP	ITAN 345KV			396	0.0015	-0.04285	12
MIDW	pawnee 115kv		999	-0.04135/KACP	HAWTHORN 161KV		663.1245	0.001	-0.04235	12	
MIDW	pawnee 115kv		999	-0.04135/WERE	LAWRENCE ENERGY CENTER 230KV		232.7524	0.00093	-0.04228	12	
MIDW	pawnee 115kv		999	-0.04135/KACV	NEARMAN 20KV		210.5	0.00093	-0.04228	12	
MIDW	pawnee 115kv		999	-0.04135/KACV	QUINDARO 161KV		114.8522	0.00093	-0.04228	12	
MIDW	pawnee 115kv		999	-0.04135/KACV	QUINDARO 69KV		60	0.00092	-0.04227	12	
MIDW	pawnee 115kv		999	-0.04135/MIPU	SIBLEY 69KV		45.99999	0.00092	-0.04227	12	
MIDW	pawnee 115kv		999	-0.04135/MIPU	SIBLEY 161KV		228.4982	0.0009	-0.04225	12	
MIDW	pawnee 115kv		999	-0.04135/KACP	MARSHALL 161KV		15	0.00072	-0.04207	12	
MIDW	pawnee 115kv		999	-0.04135/KACP	MONROUSE 161KV						

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

MIDW	paawee 115kv		999	-0.04135	WERE	EVANS ENERGY CENTER 138KV	485	-0.00187	-0.03948	13
MIDW	paawee 115kv		999	-0.04135	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.03947	13
MIDW	paawee 115kv		999	-0.04135	OKGE	SOONER 138KV	535	-0.00217	-0.03918	13
MIDW	paawee 115kv		999	-0.04135	OKGE	REDDUD 345KV	150	-0.00223	-0.03912	13
MIDW	paawee 115kv		999	-0.04135	OKGE	SOONER 345KV	537	-0.00228	-0.03907	13
MIDW	paawee 115kv		999	-0.04135	OKGE	SEMINOLE 345KV	360	-0.00232	-0.03903	13
MIDW	paawee 115kv		999	-0.04135	OKGE	HORSESHOE LAKE 138KV	153	-0.00235	-0.039	13
MIDW	paawee 115kv		999	-0.04135	OKGE	SEMINOLE 138KV	146.46983	-0.00235	-0.039	13
MIDW	paawee 115kv		999	-0.04135	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00245	-0.0389	13
MIDW	paawee 115kv		999	-0.04135	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.03888	13
MIDW	paawee 115kv		999	-0.04135	OKGE	MUSTANG 138KV	126	-0.00248	-0.03887	13
MIDW	paawee 115kv		999	-0.04135	OKGE	MCCLAIN 138KV	470	-0.0025	-0.03885	13
MIDW	paawee 115kv		999	-0.04135	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.03862	13
MIDW	paawee 115kv		999	-0.04135	OKGE	CENTENIAL WIND 34KV	31	-0.00344	-0.03791	13
MIDW	paawee 115kv		999	-0.04135	OKGE	FRLWIND2 34KV	31	-0.00346	-0.03789	13
MIDW	paawee 115kv		999	-0.04135	AEWP	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.03778	13
MIDW	paawee 115kv		999	-0.04135	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00357	-0.03778	13
MIDW	paawee 115kv		999	-0.04135	AEWP	COMANCHE 69KV	60	-0.00358	-0.03777	13
MIDW	paawee 115kv		999	-0.04135	AEWP	COMANCHE 138KV	145	-0.0036	-0.03775	13
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.02662	-0.03742	14	
MIDW	paawee 115kv		999	-0.04135	AEWP	WEATHERFORD 34KV	470	-0.0025	-0.03697	14
WEPL	A. M. MULLERGRN GENERATOR 115KV	38	-0.06171	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.02662	-0.03509	14	
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	SMOKEY HILLS 34KV	152	-0.02906	-0.03498	15	
MIDW	KNOLL 115KV	75.924	-0.06404	WEPL	JUDSON LARGE 115KV	54.54193	-0.02927	-0.03477	15	
MIDW	KNOLL 115KV	75.924	-0.06404	WEPL	JUDSON LARGE 115KV	70	-0.0293	-0.03474	15	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	WEPL	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.03371	16	
MIDW	KNOLL 115KV	75.924	-0.06404	KAOP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.004	-0.03135	-0.03269	16	
WEPL	A. M. MULLERGRN GENERATOR 115KV	38	-0.06171	WERE	SMOKEY HILLS 34KV	152	-0.02906	-0.03265	16	
WEPL	A. M. MULLERGRN GENERATOR 115KV	38	-0.06171	WEPL	JUDSON LARGE 115KV	54.54193	-0.02927	-0.03244	16	
WEPL	A. M. MULLERGRN GENERATOR 115KV	38	-0.06171	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0293	-0.03241	16	
MIDW	COLBY 115KV	19.37766	-0.02708	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.03152	16	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	MIPU	LAKE ROAD 161KV	35	0.00189	-0.03116	16	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	MIPU	LAKE ROAD 34KV	92	0.00189	-0.03116	16	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02668	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.03112	16	
WERE	HUTCHINSON ENERGY CENTER 69KV	219	-0.02662	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.03106	16	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	KAOP	IATAN 345KV	396	0.0015	-0.03077	17	
WEPL	CIMARRON RIVER 115KV	72	-0.02607	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.03051	17	
WEPL	A. M. MULLERGRN GENERATOR 115KV	38	-0.06171	KAOP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.004	-0.03135	-0.03036	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	KAOP	HAWTHORN 161KV FARM 115KV	663.1245	-0.001	-0.03027	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.0302	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	KACY	NEARMAN 20KV	210.5	0.00093	-0.0302	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	KACY	QUINDARO 161KV	114.8522	0.00093	-0.0302	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	KACY	QUINDARO 69KV	80	0.00092	-0.03019	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.03018	17	
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	MIPU	SIBLEY 161KV	228.4982	0.0009	-0.03017	17	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1 & CLAY CENTER - GREENLEAF 115KV CKT 1
 Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
 Direction: From To
 Line Outage: 2003-6AT 230.00 - CONCORDIA 230KV CKT 1
 Flowgate: 2007AG1AFS41T441208G
 Date Redispatch Needed: Starting 2008 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222932	0.3	0.3	WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	HOLTEN 115KV	6	0.03196	-0.91136	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.88384	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIPU	LAKE ROAD 161KV	35	0.00189	-0.88129	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIPU	LAKE ROAD 34KV	92	0.00189	-0.88129	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KAOP	IATAN 345KV	396	0.0015	-0.8809	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	6TH STREET 115KV	1.005	0.00136	-0.88076	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KAOP	HAWTHORN 161KV	663.1245	-0.001	-0.8804	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.88033	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACY	NEARMAN 20KV	210.5	0.00093	-0.88033	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACY	QUINDARO 161KV	114.8522	0.00093	-0.88033	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACY	QUINDARO 69KV	80	0.00092	-0.88032	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.88032	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIPU	SIBLEY 161KV	228.4982	0.0009	-0.88031	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KAOP	MARSHALL 161KV	15	0.00072	-0.88012	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KAOP	MONTROSE 161KV	354.71	0.00057	-0.87997	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	MIPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.87992	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	KAOP	LACYONE UNIT 345KV	477	0.00007	-0.87947	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.87897	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	LARUSSEL 161KV	100	-0.00052	-0.87888	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	ASBURY 161KV	91	-0.00056	-0.87884	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CHANUTE 69KV	47.15	-0.0006	-0.87788	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CITY OF ERIE 69KV	2	-0.0006	-0.87766	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.87876	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.87875	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	RIVERTON 161KV	35	-0.00066	-0.87874	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CITY OF BURLINGTON 69KV	10020.05	-0.00069	-0.87871	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	20.09	-0.00069	-0.87871	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	FITZHUGH 161KV	16	-0.00084	-0.87856	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	WERE	CITY OF AUGUSTA 69KV	12.49	-0.00088	-0.87852	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	ELLIS 69KV	6	-0.00094	-0.87846	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	FLINT CREEK 161KV	42	-0.00095	-0.87846	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	AES 161KV	320	-0.00095	-0.87845	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	KNOXLEE 138KV	137.6416	-0.00101	-0.87839	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	LEBROCK 345KV	465	-0.00101	-0.87839	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	PRIRKY GENERATION 138KV	2.01	-0.00107	-0.87838	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	EASTMAN 138KV	355	-0.00102	-0.87838	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	WILKES 345KV	241.3065	-0.00103	-0.87837	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	WILKES 138KV	192	-0.00105	-0.87835	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	EMDE	ELK RIVER 345KV	149.9958	-0.00111	-0.87829	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	WELSH 345KV	104	-0.00112	-0.87828	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	NORTHEASTERN STATION 345KV	625	-0.00116	-0.87824	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	NORTHEASTERN STATION 138KV	407	-0.0012	-0.8782	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MUSKOGEE 161KV	91	-0.00124	-0.87816	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	QEC 345KV	269	-0.00131	-0.87809	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	OKGE	MUSKOGEE 345KV	1548	-0.00135	-0.87805	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.8794	AEWP	COGENTRIX 345KV	200	-0.00141	-0.87799	0.4
			WERE	SOUTH SENECA 115KV	12.7	-0.						

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

WERE	SOUTH SENECA 115KV	12.7	-0.8794	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV/	167.0004	-0.03135	-0.84805	0.4
WERE	SOUTH SENECA 115KV	12.7	-0.8794	WEPL	A. M. MULLERGRGEN GENERATOR 115KV	25	-0.06171	-0.81769	0.4
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HOLTON 115KV	6	0.03196	-0.58652	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.5581	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 161KV	35	0.00189	-0.55555	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	LAKE ROAD 34KV	92	0.00189	-0.55555	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	IATAN 345KV	396	0.0015	-0.55516	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	6TH STREET 115KV	1.056	0.00138	-0.5545	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	HAWTHORN 161KV	663.1245	0.001	-0.55466	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	NEARMAN 20KV	210.5	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	QUINDARO 161KV	114.8522	0.00093	-0.55459	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	QUINDARO 69KV	60	0.00092	-0.55458	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.55458	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SIBLEY 161KV	228.4982	0.0009	-0.55456	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	MARSHALL 161KV	15	0.00072	-0.55438	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	MONTRORSE 161KV	354.71	0.00057	-0.55423	1
WEPL	CLIFTON 115KV	70	-0.55366	MIPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.55418	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	LACYGNE UNIT 345KV	477	0.00007	-0.55373	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.55323	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	LARUSSEL 161KV	100	-0.00052	-0.55314	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ASBURY 161KV	191	-0.00056	-0.5531	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CHANUTE 69KV	47.15	-0.0006	-0.55306	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF ERIE 69KV	2	-0.0006	-0.55306	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.55302	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.55291	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	RIVERTON 161KV	35	-0.00066	-0.553	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.55297	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00069	-0.55297	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FITZHUGH 161KV	16	-0.00084	-0.55285	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.55278	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	ELLIS 69KV	6	-0.00094	-0.55272	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.55272	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	AES 161KV	320	-0.00095	-0.55271	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	KNOWLES 138KV	137.6416	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	LEBROCK 345KV	465	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	PIRKY GENERATION 138KV	213	-0.00101	-0.55265	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	EASTMAN 138KV	355	-0.00102	-0.55264	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WILKES 138KV	241.3065	-0.00103	-0.55263	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WILKES 138KV	192	-0.00105	-0.55261	1
WEPL	CLIFTON 115KV	70	-0.55366	EMDE	ELK RIVER 345KV	149.9958	-0.00111	-0.55255	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WELSH 345KV	1044	-0.00112	-0.55254	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 345KV	625	-0.00116	-0.5525	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	NORTHEASTERN STATION 138KV	407	-0.00116	-0.55246	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSKOGEE 161KV	91	-0.00124	-0.55242	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	DEC 345KV	269	-0.00131	-0.55235	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSKOGEE 345KV	1548	-0.00135	-0.55231	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COFFEY COUNTY 345KV	209	-0.00141	-0.55229	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00166	-0.552	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	EVANS ENERGY CENTER 138KV	485	-0.00187	-0.55179	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.55178	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CITY OF MULVANE 69KV	5.5	-0.0019	-0.55176	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SOONER 138KV	6525	-0.0022	-0.55149	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	REDDUB 345KV	150	-0.00223	-0.55143	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SOONER 345KV	537	-0.00228	-0.55138	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SEMINOLE 345KV	360	-0.00232	-0.55134	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	HORSESHOE LAKE 138KV	153	-0.00235	-0.55131	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SEMINOLE 138KV	146.4628	-0.00235	-0.55131	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	GILL ENERGY CENTER 69KV	69.2244	-0.00245	-0.55121	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.55119	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MUSTANG 138KV	126	-0.00248	-0.55118	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	MCCLAIN 138KV	470	-0.0025	-0.55114	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.55093	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	CENTENIAL WIND 34KV	31	-0.00344	-0.55022	1
WEPL	CLIFTON 115KV	70	-0.55366	OKGE	FPLWIND2 34KV	31	-0.00346	-0.5502	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.55009	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	SOUTHWESTERN STATION 138KV	227	-0.00357	-0.55009	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 69KV	60	-0.00358	-0.55008	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	COMANCHE 138KV	145	-0.0036	-0.55006	1
WEPL	CLIFTON 115KV	70	-0.55366	AEPW	WEATHERFORD 34KV	12	-0.00438	-0.54929	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	CLAY CENTER JUNCTION 115KV	6.00989	-0.00445	-0.54921	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	HARPER 138KV	3.82	-0.01347	-0.54913	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.02662	-0.52704	1
WEPL	CLIFTON 115KV	70	-0.55366	MIDW	COLBY 115KV	5.622141	-0.02708	-0.52658	1
WEPL	CLIFTON 115KV	70	-0.55366	WERE	SNOKEY HILLS 34KV	152	-0.02906	-0.5246	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	JUDSON LARGE 115KV	54.54164	-0.02927	-0.52439	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0293	-0.52436	1
WEPL	CLIFTON 115KV	70	-0.55366	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV/	167.0004	-0.03135	-0.52231	1
WEPL	CLIFTON 115KV	70	-0.55366	WEPL	A. M. MULLERGRGEN GENERATOR 115KV	25	-0.06171	-0.49195	1
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	HOLTON 115KV	6	0.03196	-0.596	4
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	HOLTON 115KV	6	0.03196	-0.59361	4
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	HOLTON 115KV	6	0.03196	-0.59361	4
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.06848	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00444	-0.06815	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	LAKE ROAD 161KV	35	0.00189	-0.06593	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	LAKE ROAD 34KV	92	0.00189	-0.06593	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	IATAN 345KV	396	0.0015	-0.06554	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	HAWTHORN 161KV	663.1245	0.001	-0.06504	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.06497	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	NEARMAN 20KV	210.5	0.00093	-0.06497	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	QUINDARO 161KV	114.8522	0.00093	-0.06497	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	QUINDARO 69KV	60	0.00092	-0.06496	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	SIBLEY 69KV	45.99999	0.00092	-0.06496	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	SIBLEY 161KV	228.4982	0.0009	-0.06494	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	MARSHALL 161KV	15	0.00072	-0.06476	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	MONTRORSE 161KV	354.71	0.00057	-0.06461	5
MIDW	KNOLL 115KV	75.924	-0.06404	MIPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.06456	5
MIDW	KNOLL 115KV	75.924	-0.06404	KACP	LACYGNE UNIT 345KV	477	0.00007	-0.06411	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.06361	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	MIPU	LAKE ROAD 161KV	35	0.00189	-0.0636	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	MIPU	LAKE ROAD 34KV	92	0.00189	-0.0636	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	LARUSSEL 161KV	100	-0.00052	-0.06352	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	ASBURY 161KV	191	-0.00056	-0.06348	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	CHANUTE 69KV	47.15	-0.0006	-0.06344	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.0634	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.06339	5
MIDW	KNOLL 115KV	75.924	-0.06404	EMDE	RIVERTON 161KV	35	-0.00066	-0.06338	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.06335	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00069	-0.06335	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	KACP	IATAN 345KV	396	0.0015	-0.06321	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	FITZHUGH 161KV	16	-0.00084	-0.0632	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.06316	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	ELLIS 69KV	6	-0.00094	-0.0631	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.0631	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	AES 161KV	320	-0.00095	-0.06309	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	KNOWLES 138KV	137.6416	-0.00101	-0.06303	5
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	LEBROCK				

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

WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	KACP	MONTROSE 161KV	354.71	0.00057	-0.06228	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	MIFPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.06223	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	EVANS ENERGY CENTER 138KV	185	-0.0187	-0.06217	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.06216	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	CITY OF MULVANE 69KV	5.5	-0.0019	-0.06214	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	SOONER 138KV	535	-0.00217	-0.06187	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	REDBUD 345KV	150	-0.00223	-0.06181	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	KACP	LACY GNE UNIT 345KV	477	0.00000	-0.06178	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	SOONER 345KV	537	-0.00228	-0.06176	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	SEMINOLE 345KV	360	-0.00232	-0.06172	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	HORSESHOE LAKE 138KV	153	-0.00235	-0.06169	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	SEMINOLE 138KV	146.4683	-0.00235	-0.06167	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00245	-0.06159	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.06157	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	MUSTANG 138KV	126	-0.00248	-0.06156	5
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	MCCLELLAIN 138KV	470	-0.0025	-0.06154	5
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.06131	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.06128	6
WEPL	JUDSON LARGE 115KV	48.45807	-0.02927	WERE	HOLTON 115KV	6	0.03196	-0.06123	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	LARUSSEL 161KV	100	-0.00052	-0.06119	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	ASSBURY 161KV	181	-0.00056	-0.06115	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	CHANUTE 69KV	47.15	-0.0006	-0.06111	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.06107	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.06106	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	EMDE	RIVERTON 161KV	35	-0.00066	-0.06105	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.06102	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.9	-0.00069	-0.06102	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	FITZLUUGH 161KV	16	-0.00084	-0.06087	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.06083	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	ELLIS 69KV	4	-0.00094	-0.06077	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.06077	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	AES 161KV	320	-0.00095	-0.06076	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	KNOXLEE 138KV	137.6416	-0.00101	-0.0607	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	LEBRUCK 345KV	465	-0.00101	-0.0607	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.0607	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	EASTMAN 138KV	355	-0.00102	-0.06069	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	WILKES 345KV	241.3065	-0.00103	-0.06068	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	WILKES 138KV	192	-0.00105	-0.06066	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	ELK RIVER 345KV	149.9658	-0.00111	-0.06066	6
MIDW	KNOLL 115KV	75.924	-0.06404	OKGE	CENTENIAL WIND 34KV	31	-0.00344	-0.06065	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	WELSH 345KV	1044	-0.00112	-0.06059	6
WEPL	KNOLL 115KV	75.924	-0.06404	OKGE	FPLWIND2 34KV	31	-0.00346	-0.06058	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	NORTHEASTERN STATION 345KV	625	-0.00116	-0.06058	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	NORTHEASTERN STATION 138KV	490	-0.0012	-0.06057	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	MUSKOGEE 161KV	91	-0.00124	-0.06047	6
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.06047	6
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00357	-0.06047	6
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	COMANCHE 69KV	60	-0.00358	-0.06046	6
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	COMANCHE 138KV	145	-0.0036	-0.06044	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	DEC 345KV	269	-0.00131	-0.0604	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	MUSKOGEE 345KV	1548	-0.00135	-0.06036	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	COGENTRIX 345KV	200	-0.00141	-0.0603	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00145	-0.06025	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	EVANS ENERGY CENTER 138KV	485	-0.00187	-0.05984	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.05983	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	CITY OF MULVANE 69KV	5.5	-0.0019	-0.05981	6
MIDW	KNOLL 115KV	75.924	-0.06404	AEPW	WEATHERFORD 34KV	12	-0.00348	-0.05966	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	SOONER 138KV	537	-0.0022	-0.05954	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	SOONER 345KV	537	-0.00223	-0.05948	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	SEMINOLE 345KV	360	-0.00232	-0.05939	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	HORSESHOE LAKE 138KV	153	-0.00235	-0.05936	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	SEMINOLE 138KV	146.4683	-0.00235	-0.05936	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00245	-0.05926	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	SMITH COGEN 138KV	107	-0.00247	-0.05924	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	MUSTANG 138KV	126	-0.00248	-0.05923	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	MCCLELLAIN 138KV	470	-0.0025	-0.05921	6
MIDW	COLBY 115KV	19.37786	-0.02708	WERE	HOLTON 115KV	6	0.03196	-0.05904	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	GILL ENERGY CENTER 138KV	155	-0.00273	-0.05898	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02688	WERE	HOLTON 115KV	6	0.03196	-0.05864	6
WERE	HUTCHINSON ENERGY CENTER 115KV	2149	-0.02682	WERE	HOLTON 115KV	6	0.03196	-0.05864	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	CENTENIAL WIND 34KV	31	-0.00344	-0.05827	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	OKGE	FPLWIND2 34KV	31	-0.00346	-0.05825	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00357	-0.05814	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00357	-0.05814	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	COMANCHE 69KV	60	-0.00358	-0.05813	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	COMANCHE 138KV	145	-0.0036	-0.05811	6
WEPL	CIMARRON RIVER 115KV	72	-0.02607	WERE	HOLTON 115KV	6	0.03196	-0.05803	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	AEPW	WEATHERFORD 34KV	12	-0.00348	-0.05733	6
MIDW	Byrne 115KV	999	-0.02416	WERE	HOLTON 115KV	6	0.03196	-0.05712	6
MIDW	KNOLL 115KV	75.924	-0.06404	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.05559	6
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.02289	WERE	HOLTON 115KV	6	0.03196	-0.05485	6
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.06171	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.00845	-0.05326	6
WEPL	pawnee 115kv	999	-0.04135	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.01444	-0.04579	7
MIDW	HARPER 138kv	13.53	-0.01347	WERE	HOLTON 115KV	6	0.03196	-0.04543	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.01175	WERE	HOLTON 115KV	6	0.03196	-0.04371	8
MIDW	pawnee 115kv	999	-0.04135	MIFPU	LAKE ROAD 161KV	35	0.00189	-0.04324	8
MIDW	pawnee 115kv	999	-0.04135	MIFPU	LAKE ROAD 34KV	92	0.00189	-0.04324	8
MIDW	pawnee 115kv	999	-0.04135	KACP	TATAN 348KV	366	0.0013	-0.04265	8
MIDW	pawnee 115kv	999	-0.04135	KACP	HAWTHORN 161KV	663.1245	0.0001	-0.04235	8
MIDW	pawnee 115kv	999	-0.04135	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	0.00093	-0.04228	8
MIDW	pawnee 115kv	999	-0.04135	KACY	NEARMAN 20KV	210.5	0.00093	-0.04228	8
MIDW	pawnee 115kv	999	-0.04135	KACY	QUINDARO 161KV	114.8522	0.00093	-0.04228	8
MIDW	pawnee 115kv	999	-0.04135	KACY	QUINDARO 69KV	60	0.00092	-0.04227	8
MIDW	pawnee 115kv	999	-0.04135	MIFPU	SIBLEY 69KV	45.99999	0.00052	-0.04227	8
MIDW	pawnee 115kv	999	-0.04135	MIFPU	SIBLEY 161KV	228.4982	0.0009	-0.04225	8
MIDW	pawnee 115kv	999	-0.04135	KACP	MARSHALL 161KV	15	0.00072	-0.04207	8
MIDW	pawnee 115kv	999	-0.04135	KACP	MONTROSE 161KV	354.71	0.00052	-0.04169	8
MIDW	pawnee 115kv	999	-0.04135	MIFPU	SOUTH HARPER 161KV	264.9471	0.00052	-0.04187	8
MIDW	pawnee 115kv	999	-0.04135	KACP	LACY GNE UNIT 345KV	477	0.00007	-0.04142	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	OZARK BEACH 161KV	16	-0.00043	-0.04092	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	LARUSSEL 161KV	100	-0.00052	-0.04083	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	ASSBURY 161KV	181	-0.00056	-0.04079	8
MIDW	pawnee 115kv	999	-0.04135	WERE	CHANUTE 69KV	47.15	-0.0006	-0.04075	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	STATE LINE 161KV	165.7648	-0.00064	-0.04071	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	RIVERTON 69KV	45.39851	-0.00065	-0.0407	8
MIDW	pawnee 115kv	999	-0.04135	EMDE	RIVERTON 161KV	35	-0.00066	-0.04069	8
MIDW	pawnee 115kv	999	-0.04135	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00069	-0.04066	8
MIDW	pawnee 115kv	999	-0.04135	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.9	-0.00069	-0.04066	8
MIDW	pawnee 115kv	999	-0.04135	AEPW	FITZLUUGH 161KV	16	-0.00084	-0.04051	8
MIDW	pawnee 115kv	999	-0.04135	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00088	-0.04047	8
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.00845	WERE	HOLTON 115KV	6	0.03196	-0.04041	8
MIDW	pawnee 115kv	999	-0.04135	AEPW	ELLIS 69KV	6	-0.00094	-0.04041	8
MIDW	pawnee 115kv	999	-0.04135	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.04041	8
MIDW	pawnee 115kv	999	-0.04135	OKGE	AES 161KV	320	-0.00095	-0.0404	8
MIDW	pawnee 115kv	999	-0.04135	AEPW	KNOXLEE 138KV	137.6416	-0.00101	-0.04034	8

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

WERE	SOUTH SENECA 115KV		8.2	-0.87908	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.03175	-0.84733	2
WERE	SOUTH SENECA 115KV		8.2	-0.87908	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.05435	-0.82473	2
WERE	SOUTH SENECA 115KV		8.2	-0.87908	MIDW	KNOLL 115KV	41.71776	-0.06395	-0.81513	2
WEPL	CLIFTON 115KV		70	-0.55203	WERE	HOLTON 115KV	12.2	0.03173	-0.58376	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.55655	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	LAKE ROAD 161KV	35	0.0019	-0.55393	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	LAKE ROAD 34KV	92	0.0019	-0.55393	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	IATAN 345KV	396	0.01163	-0.55356	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	HAWTHORN 161KV	762	0.0103	-0.55306	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.55301	3
WEPL	CLIFTON 115KV		70	-0.55203	KACY	NEARMAN 20KV	235	0.00096	-0.55299	3
WEPL	CLIFTON 115KV		70	-0.55203	KACY	QUINDARO 69KV	87.82453	0.00096	-0.55299	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	SIBLEY 69KV	45.99999	0.00095	-0.55298	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	SIBLEY 161KV	230.9499	0.00092	-0.55295	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	MARSHALL 161KV	15	0.00072	-0.55275	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	BULL CREEK 161KV	210.4106	0.00069	-0.55272	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	GREENWOOD 161KV	38.84283	0.00066	-0.55269	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	MONTEROSE 161KV	353.2094	0.0006	-0.55263	3
WEPL	CLIFTON 115KV		70	-0.55203	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.55258	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	LACYGNE UNIT 345KV	958	0.00011	-0.55214	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	OZARK BEACH 161KV	16	-0.00042	-0.55161	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	LARUSSEL 161KV	100	-0.0005	-0.55153	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	ASBURY 161KV	191	-0.00054	-0.55149	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF GIRARD 69KV	3.6	-0.00056	-0.55147	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CHANUTE 69KV	50.687	-0.00063	-0.55146	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF ERIE 69KV	2	-0.00057	-0.55146	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	STATE LINE 161KV	528.0889	-0.00063	-0.5514	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.55139	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00064	-0.55138	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	RIVERTON 161KV	66	-0.00064	-0.55138	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	RIVERTON 69KV	46.28937	-0.00064	-0.55139	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF FREDONIA 69KV	3.19	-0.00066	-0.55137	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00081	-0.55122	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	FITZLUIGH 161KV	120	-0.00083	-0.55115	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	ELLIS 69KV	6	-0.00094	-0.55109	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	FLINT CREEK 161KV	400	-0.00094	-0.55109	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	AES 161KV	320	-0.00095	-0.55109	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	KNOXLEE 138KV	62.4253	-0.00101	-0.55102	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	LEBROCK 345KV	465	-0.00101	-0.55102	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	PIRKEY GENERATION 138KV	213	-0.00101	-0.55102	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	EASTMAN 138KV	355	-0.00102	-0.55101	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	WILKES 345KV	125	-0.00103	-0.5511	3
WEPL	CLIFTON 115KV		70	-0.55203	EMDE	ELK RIVER 345KV	46.01746	-0.00105	-0.55098	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	WILKES 138KV	71.93583	-0.00105	-0.55098	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	WELSH 345KV	1044	-0.00112	-0.55091	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	NORTHEASTERN STATION 345KV	625	-0.00114	-0.55089	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	NORTHEASTERN STATION 138KV	440	-0.00119	-0.55088	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	NARROWS 69KV	22	-0.00122	-0.55081	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	MUSKOGEE 161KV	161	-0.00125	-0.55078	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	OEC 345KV	369	-0.00129	-0.55074	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	MUSKOGEE 345KV	1548	-0.00133	-0.5507	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	JEFFREY ENERGY CENTER 230KV	865	-0.00139	-0.55066	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	JEFFREY ENERGY CENTER 345KV	470	-0.00158	-0.55045	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	EMPORIA ENERGY CENTER 345KV	145.5387	-0.0017	-0.55033	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.55024	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	JEFFREY ENERGY CENTER 345KV	540	-0.0018	-0.55023	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CITY OF MULVANE 69KV	6.739	-0.0018	-0.55023	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SOONER 161KV	535	-0.00216	-0.54987	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	REDBUD 345KV	250	-0.00223	-0.5498	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SOONER 345KV	537	-0.00227	-0.5498	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	HORSESHOE LAKE 69KV	16	-0.00232	-0.54971	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SEMINOLE 345KV	876	-0.00233	-0.5497	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.54969	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	HORSESHOE LAKE 138KV	352	-0.00235	-0.54968	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SEMINOLE 138KV	364.9676	-0.00235	-0.54968	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SPPCK12 13-200 345KV	33.4	-0.0023	-0.54963	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	MUSTANG 138KV	278.124	-0.00248	-0.54955	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	SMITH COGEN 138KV	107	-0.00248	-0.54955	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	MCLAIN 138KV	470	-0.00249	-0.54954	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	GILL ENERGY CENTER 138KV	155	-0.00246	-0.54941	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	CENTENIAL WIND 34KV	6	-0.00346	-0.54857	3
WEPL	CLIFTON 115KV		70	-0.55203	OKGE	FPLWIND2 34KV	27	-0.00348	-0.54855	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	SOUTHWESTERN STATION 138KV	173	-0.0036	-0.54843	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	SOUTHWESTERN STATION 138KV	459	-0.0036	-0.54843	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	COMANCHE 69KV	105	-0.00362	-0.54841	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	COMANCHE 138KV	145	-0.00364	-0.54839	3
WEPL	CLIFTON 115KV		70	-0.55203	AEWP	WEATHERFORD 34KV	12	-0.00443	-0.5478	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.0036	-0.54367	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	HARBOR 138KV	8.91	-0.01286	-0.53307	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.02636	-0.52567	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.02641	-0.52562	3
WEPL	CLIFTON 115KV		70	-0.55203	MIDW	COLBY 115KV	13.06413	-0.02766	-0.52437	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	SMOKEY HILLS 34KV	76	-0.02889	-0.52304	3
WEPL	CLIFTON 115KV		70	-0.55203	WERE	JULSON LARGE 115KV	86.3867	-0.0294	-0.52269	3
WEPL	CLIFTON 115KV		70	-0.55203	WEPL	GRAY COUNTY WIND FARM 115KV	96	-0.02948	-0.52255	3
WEPL	CLIFTON 115KV		70	-0.55203	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.03175	-0.52028	3
WEPL	CLIFTON 115KV		70	-0.55203	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.05435	-0.49768	3
MIDW	KNOLL 115KV		34.20625	-0.06395	MIDW	KNOLL 115KV	41.71776	-0.06395	-0.48808	4
MIDW	KNOLL 115KV		34.20625	-0.06395	WERE	HOLTON 115KV	12.2	0.03173	-0.09568	18
MIDW	KNOLL 115KV		34.20625	-0.06395	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.06847	25
MIDW	KNOLL 115KV		34.20625	-0.06395	MIPU	LAKE ROAD 161KV	35	0.0019	-0.06585	26
MIDW	KNOLL 115KV		34.20625	-0.06395	MIPU	LAKE ROAD 34KV	92	0.0019	-0.06585	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	IATAN 345KV	396	0.01163	-0.06448	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	HAWTHORN 161KV	762	0.0103	-0.06498	26
MIDW	KNOLL 115KV		34.20625	-0.06395	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.06493	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACY	NEARMAN 20KV	235	0.00096	-0.06491	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACY	QUINDARO 69KV	87.82453	0.00096	-0.06491	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACY	QUINDARO 69KV	72	0.00096	-0.06491	26
MIDW	KNOLL 115KV		34.20625	-0.06395	MIPU	SIBLEY 69KV	45.99999	0.00095	-0.0649	26
MIDW	KNOLL 115KV		34.20625	-0.06395	MIPU	SIBLEY 161KV	230.9499	0.00092	-0.06487	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	BULL CREEK 161KV	210.4106	0.00069	-0.06484	26
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	GREENWOOD 161KV	38.84283	0.00066	-0.06461	27
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	MONTEROSE 161KV	353.2094	0.0006	-0.06455	27
MIDW	KNOLL 115KV		34.20625	-0.06395	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.0645	27
MIDW	KNOLL 115KV		34.20625	-0.06395	KACP	LACYGNE UNIT 345KV	958	0.00011	-0.06406	27
MIDW	KNOLL 115KV		34.20625	-0.06395	EMDE	LARUSSEL 161KV	100	-0.0005	-0.06345	27
MIDW	KNOLL 115KV		34.20625	-0.06395	EMDE	ASBURY 161KV	191	-0.00054	-0.06341	27
MIDW	KNOLL 115KV		34.20625	-0.06395	WERE	CHANUTE 69KV	50.687	-0.00057	-0.06338	27
MIDW	KNOLL 115KV		34.20625	-0.06395	EMDE	STATE LINE 161KV	528.0889	-0.00063	-0.06332	27
MIDW	KNOLL 115KV		34.20625	-0.06395	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.063	

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

Source	Control Area	Source GSF	Sink	Sink Control Area	Sink GSF	Relief Amount	Factor
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	REBLUD 345KV	250	-0.00223
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	SOONER 345KV	537	-0.00227
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	SEMINOLE 345KV	876	-0.00233
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 69KV	52	-0.00234
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	HORSESHOE LAKE 138KV	352	-0.00235
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	SEMINOLE 138KV	364.9676	-0.00235
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	SPGCKT182 13.200 345KV	33.4	-0.00224
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	MUSTANG 138KV	278.124	-0.00248
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	SMITH COGEN 138KV	107	-0.00248
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	MCCLAIN 138KV	470	-0.00249
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 138KV	155	-0.00262
MIDW	KNOLL 115KV	34.20625	-0.06395	ORKE	FLWIND 24KV	27	-0.00348
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	SOUTHWESTERN STATION 138KV	173	-0.0036
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	SOUTHWESTERN STATION 138KV	459	-0.0036
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	COMANCHE 69KV	60	-0.00362
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	COMANCHE 138KV	145	-0.00364
MIDW	PAWNEE 115KV	999	-0.03902	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	LAKE ROAD 161KV	35	0.0019
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	LAKE ROAD 34KV	92	0.0019
MIDW	PAWNEE 115KV	999	-0.03902	KACP	IATAN 345KV	396	0.00153
MIDW	PAWNEE 115KV	999	-0.03902	KACP	HAWTHORN 161KV	762	0.00103
MIDW	PAWNEE 115KV	999	-0.03902	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098
MIDW	PAWNEE 115KV	999	-0.03902	KACY	NEARMAN 20KV	235	0.00096
MIDW	PAWNEE 115KV	999	-0.03902	KACY	QUINDARO 161KV	87.82453	0.00096
MIDW	PAWNEE 115KV	999	-0.03902	KACY	QUINDARO 69KV	72	0.00096
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	SIBLEY 69KV	45.99999	0.00095
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	SIBLEY 161KV	230.9499	0.00092
MIDW	PAWNEE 115KV	999	-0.03902	KACP	BULL CREEK 161KV	210.4106	0.00069
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	GREENWOOD 161KV	38.84283	0.00066
MIDW	PAWNEE 115KV	999	-0.03902	KACP	MONROSE 161KV	353.2094	0.0006
MIDW	PAWNEE 115KV	999	-0.03902	MIPU	SOUTH HARPER 161KV	315	0.00055
MIDW	PAWNEE 115KV	999	-0.03902	KACP	LACYGNE UNIT 345KV	968	0.00011
MIDW	PAWNEE 115KV	999	-0.03902	EMDE	LARUSSEL 161KV	100	-0.0005
MIDW	PAWNEE 115KV	999	-0.03902	EMDE	ASBURY 161KV	191	-0.00054
MIDW	PAWNEE 115KV	999	-0.03902	WERE	CHANUTE 69KV	50.687	-0.00057
MIDW	PAWNEE 115KV	999	-0.03902	EMDE	STATE LINE 161KV	528.0889	-0.00063
MIDW	PAWNEE 115KV	999	-0.03902	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064
MIDW	PAWNEE 115KV	999	-0.03902	EMDE	RIVERTON 161KV	66	-0.00064
MIDW	PAWNEE 115KV	999	-0.03902	WERE	RIVERTON 69KV	46.28937	-0.00064
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	FITZLUH 161KV	120	-0.00083
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	FLINT CREEK 161KV	400	-0.00094
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	AES 161KV	320	-0.00095
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	KNOXLEE 138KV	62.4253	-0.00101
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	LEBROCK 345KV	465	-0.00101
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	PIRKEY GENERATION 138KV	213	-0.00101
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	EASTMAN 138KV	355	-0.00102
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	WILKES 345KV	125	-0.00103
MIDW	PAWNEE 115KV	999	-0.03902	EMDE	BECK RIVER 345KV	46.01746	-0.00105
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	WILKES 138KV	71.93583	-0.00105
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	WELSH 345KV	1044	-0.00112
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	NORTHEASTERN STATION 345KV	625	-0.00114
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	NORTHEASTERN STATION 138KV	440	-0.00119
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	MUSKOGEE 161KV	181	-0.00125
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	OEC 345KV	369	-0.00129
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	MUSKOGEE 345KV	1548	-0.00133
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	COGENTRIX 345KV	865	-0.00139
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.00236
MIDW	PAWNEE 115KV	999	-0.03902	WERE	JEFFREY ENERGY CENTER 230KV	770	-0.00158
MIDW	PAWNEE 115KV	999	-0.03902	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017
MIDW	PAWNEE 115KV	999	-0.03902	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179
MIDW	PAWNEE 115KV	999	-0.03902	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0018
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SOONER 138KV	536	-0.00213
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	REBLUD 345KV	250	-0.00223
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SOONER 345KV	537	-0.00227
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SEMINOLE 345KV	876	-0.00233
MIDW	PAWNEE 115KV	999	-0.03902	WERE	GILL ENERGY CENTER 69KV	52	-0.00234
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	HORSESHOE LAKE 138KV	352	-0.00235
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SEMINOLE 138KV	364.9676	-0.00235
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SPGCKT182 13.200 345KV	33.4	-0.00224
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	MUSTANG 138KV	278.124	-0.00248
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	SMITH COGEN 138KV	107	-0.00248
MIDW	PAWNEE 115KV	999	-0.03902	ORKE	MCCLAIN 138KV	470	-0.00249
MIDW	PAWNEE 115KV	999	-0.03902	WERE	GILL ENERGY CENTER 138KV	155	-0.00262
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	SOUTHWESTERN STATION 138KV	173	-0.0036
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	SOUTHWESTERN STATION 138KV	459	-0.0036
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	COMANCHE 69KV	60	-0.00362
MIDW	PAWNEE 115KV	999	-0.03902	AEPW	COMANCHE 138KV	145	-0.00364
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	SMOKEY HILLS 34KV	76	-0.02899
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	JUDSON LARGE 115KV	86.38769	-0.02944
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GRAY COUNTY WIND FARM 115KV	191	-0.02944
WEPL	CIMARRON RIVER 115KV	72	-0.02651	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.02636	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1 & CLAY CENTER - GREENLEAF 115KV CKT 1
 Limiting Facility: KELLY - SOUTH SENECA 115KV CKT 1
 Direction: From->To
 Line Outage: 2003-6AT 230.0 - EAST MANHATTAN 230KV CKT 1
 Flowgate: 2007AG1AFSA411688508SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	HOLTON 115KV	12.2	0.03173	-9.10181	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.8938	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	LAKE ROAD 161KV	35	0.0019	-0.88098	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	LAKE ROAD 34KV	92	0.0019	-0.88098	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	IATAN 345KV	396	0.00153	-0.88061	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	HAWTHORN 161KV	762	0.00103	-0.88011	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.88006	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACY	NEARMAN 20KV	235	0.00096	-0.88004	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACY	QUINDARO 161KV	87.82453	0.00096	-0.88004	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACY	QUINDARO 69KV	72	0.00096	-0.88004	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	SIBLEY 69KV	45.99999	0.00095	-0.88003	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	SIBLEY 161KV	230.9499	0.00092	-0.88	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	MARSHALL 161KV	15	0.00072	-0.8798	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	BULL CREEK 161KV	210.4106	0.00069	-0.87977	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	GREENWOOD 161KV	38.84283	0.00066	-0.87974	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	MONROSE 161KV	353.2094	0.0006	-0.87968	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.87963	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	LACYGNE UNIT 345KV	968	0.00011	-0.87919	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	OZARK BEACH 161KV	16	-0.00042	-0.87866	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	LARUSSEL 161KV	100	-0.0005	-0.87858	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	ASBURY 161KV	191	-0.00054	-0.87854	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF GIRARD 69KV	3.6	-0.00056	-0.87852	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CHANUTE 69KV	50.687	-0.00057	-0.87851	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF ERIE 69KV	2	-0.00057	-0.87851	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	STATE LINE 161KV	528.0889	-0.00063	-0.87845	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.87842	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00064	-0.87844	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	RIVERTON 161KV	66	-0.00064	-0.87844	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	RIVERTON 69KV	46.28937	-0.00064	-0.87844	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF FREDONIA 69KV	3.19	-0.00068	-0.87842	2
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00081	-0.87827	2

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

WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	EASTMAN 138KV	355	-0.00102	-0.87806	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	WILKES 345KV	125	-0.00103	-0.87805	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	EMDE	ELK RIVER 345KV	46.01746	-0.00105	-0.87783	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	WILKES 138KV	71.93583	-0.00105	-0.87803	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	WELSH 345KV	1044	-0.00112	-0.87796	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	NORTHEASTERN STATION 345KV	625	-0.00114	-0.87794	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	NORTHEASTERN STATION 138KV	440	-0.00119	-0.87789	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	NARROWS 69KV	22	-0.00121	-0.87778	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	MUSKOGEE 161KV	161	-0.00125	-0.87783	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	DEC 345KV	369	-0.00129	-0.87779	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	MUSKOGEE 345KV	1548	-0.00133	-0.87775	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	COGENTR 345KV	865	-0.00139	-0.87765	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00158	-0.87755	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017	-0.87738	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.87729	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0018	-0.87728	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CITY OF MULVANE 69KV	6.739	-0.00181	-0.87727	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SOONER 138KV	535	-0.00216	-0.87692	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	REDBUD 345KV	250	-0.00223	-0.87685	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SOONER 345KV	537	-0.00227	-0.87681	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	HORSESHOE LAKE 69KV	16	-0.00232	-0.87676	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SEMINOLE 345KV	876	-0.00233	-0.87675	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.87674	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	HORSESHOE LAKE 138KV	352	-0.00235	-0.87673	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SEMINOLE 138KV	364.9676	-0.00235	-0.87673	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SPGCK182 13.200 345KV	33.4	-0.0024	-0.87672	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	MUSTANG 138KV	278.124	-0.00248	-0.87665	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	SMITH COGEN 138KV	107	-0.00248	-0.87665	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	MCLAIN 138KV	470	-0.00249	-0.87659	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	GILL ENERGY CENTER 138KV	155	-0.00262	-0.87646	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	CENTRAL WIND 34KV	6	-0.00346	-0.87556	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	OKGEE	FPLWD2 34KV	27	-0.00348	-0.8756	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	SOUTHWESTERN STATION 138KV	173	-0.0036	-0.87548	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	SOUTHWESTERN STATION 138KV	459	-0.0036	-0.87548	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	COMANCHE 69KV	145	-0.00364	-0.87544	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	COMANCHE 138KV	145	-0.00364	-0.87544	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	AEPW	WEATHERFORD 34KV	12	-0.00443	-0.87465	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00836	-0.87072	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WEPL	HARPER 138KV	8.49	-0.01286	-0.86512	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.02636	-0.85272	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.02641	-0.85267	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIDW	COLBY 115KV	13.06413	-0.02766	-0.85142	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WERE	SMOKEY HILLS 34KV	76	-0.02899	-0.85204	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WEPL	JUDSON LARGE 115KV	86.38679	-0.0294	-0.85259	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WEPL	GRAY COUNTY WIND FARM 115KV	96	-0.02948	-0.8496	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.03175	-0.84733	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.05435	-0.82473	2	
WERE	SOUTH SENECA 115KV	8.2	-0.87908	MIDW	KNOLL 115KV	41.7175	-0.06395	-0.84978	2	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	HOLTON 115KV	12.2	0.03173	-0.58376	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.56655	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	LAKE ROAD 161KV	35	0.0019	-0.55393	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	LAKE ROAD 34KV	92	0.0019	-0.55393	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	HATYI 248KV	306	-0.0036	-0.55266	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	HAWTHORN 161KV	762	0.00103	-0.55306	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.55301	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACY	NEARMAN 20KV	235	0.00096	-0.55299	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACY	QUINDARO 161KV	87.82453	0.00086	-0.55299	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACY	QUINDARO 69KV	72	0.00086	-0.55299	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	SIBLEY 69KV	45.99999	0.00095	-0.55298	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	SIBLEY 161KV	230.94999	0.00092	-0.55295	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	MARSHALL 161KV	15	0.00072	-0.55273	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	BULL CREEK 61KV	210.4106	0.00069	-0.55272	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	GREENWOOD 161KV	38.84283	0.00066	-0.55269	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	MONTROSE 161KV	353.2094	0.0006	-0.55263	3	
WEPL	CLIFTON 115KV	70	-0.55203	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.55258	3	
WEPL	CLIFTON 115KV	70	-0.55203	KACP	LACYONE UNIT 345KV	958	0.00011	-0.55214	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	OZARK BEACH 161KV	102	-0.0004	-0.55161	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	LARUSSEL 161KV	100	-0.0005	-0.55153	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	ASBURY 161KV	191	-0.00054	-0.55149	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF GIRARD 69KV	3.6	-0.00056	-0.55147	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CHANUTE 88KV	50.887	-0.0005	-0.55146	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF ERIE 69KV	2	-0.00057	-0.55146	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	STATE LINE 161KV	528.0889	-0.00063	-0.5514	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.55139	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00064	-0.55139	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	RIVERTON 161KV	66	-0.00064	-0.55139	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	RIVERTON 69KV	46.28937	-0.00064	-0.55139	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF FREDONIA 69KV	3.19	-0.00066	-0.55137	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00081	-0.55122	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	FITZHAUGH 161KV	120	-0.0008	-0.55112	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	ELLIS 69KV	6	-0.00094	-0.55109	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.55109	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	AES 161KV	320	-0.00095	-0.55108	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	KNOWLES 138KV	62.4525	-0.00101	-0.55102	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	LEBROCK 345KV	465	-0.0010	-0.55102	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.55102	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	EASTMAN 138KV	355	-0.00102	-0.55101	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	WILKES 345KV	125	-0.00103	-0.551	3	
WEPL	CLIFTON 115KV	70	-0.55203	EMDE	ELK RIVER 345KV	46.01746	-0.00105	-0.55098	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	WILKES 138KV	71.93583	-0.00105	-0.55098	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	WELSH 345KV	1044	-0.00112	-0.55091	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	NORTHEASTERN STATION 345KV	625	-0.00114	-0.55089	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	NORTHEASTERN STATION 138KV	440	-0.00119	-0.55084	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	NARROWS 69KV	22	-0.00121	-0.55078	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	MUSKOGEE 161KV	161	-0.00125	-0.55078	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	DEC 345KV	369	-0.00129	-0.55074	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	MUSKOGEE 345KV	1548	-0.00133	-0.55070	3	
WEPL	CLIFTON 115KV	70	-0.55203	AEPW	COGENTR 345KV	865	-0.00139	-0.55066	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00158	-0.55045	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017	-0.55033	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.55024	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0018	-0.55023	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF MULVANE 69KV	6.739	-0.00181	-0.55022	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	SOONER 138KV	535	-0.00216	-0.54987	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	REDBUD 345KV	250	-0.00223	-0.5498	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	SOONER 345KV	537	-0.00227	-0.54976	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	HORSESHOE LAKE 69KV	16	-0.00232	-0.54971	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	SEMINOLE 345KV	876	-0.00233	-0.54969	3	
WEPL	CLIFTON 115KV	70	-0.55203	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.54968	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	HORSESHOE LAKE 138KV	352	-0.00235	-0.54968	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	SEMINOLE 138KV	364.9676	-0.00235	-0.54968	3	
WEPL	CLIFTON 115KV	70	-0.55203	OKGEE	SPGCK182 13.200 345KV	33.4	-0.0024	-0.54963	3	
WEPL	CLIFTON 1									

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

Source	Sink	Source GSF	Sink GSF	Relief Amount / Factor	Source	Sink	Source GSF	Sink GSF	Relief Amount / Factor
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	IATAN 345KV	396	0.00153	-0.06548	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	HAWTHORN 161KV	762	0.00103	-0.06498	26
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.06493	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACY	NEARMAN 20KV	235	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACY	QUINDARO 161KV	87.82453	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	QUINDARO 69KV	72	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	MIPU	SIBLEY 69KV	45.99899	0.00095	-0.0649	26
MIDW	KNOLL 115KV	34.20625	-0.06395	MIPU	SIBLEY 161KV	230.34999	0.00092	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	BULL CREEK 161KV	210.4106	0.00069	-0.06464	27
MIDW	KNOLL 115KV	34.20625	-0.06395	MIPU	GREENWOOD 161KV	38.84283	0.00066	-0.06461	27
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	MONTROSE 161KV	353.2094	0.0006	-0.06455	27
MIDW	KNOLL 115KV	34.20625	-0.06395	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.0645	27
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	LACYGNE UNIT 345KV	958	0.00011	-0.06406	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	LARUSSEL 161KV	100	-0.0005	-0.06345	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	ASBURY 161KV	191	-0.00054	-0.06341	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CHANUTE 69KV	50.687	-0.00057	-0.06338	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	STATE LINE 161KV	528.0889	-0.00063	-0.06332	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	RIVERTON 161KV	66	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	RIVERTON 69KV	46.28937	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00081	-0.06314	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	FITZHUGH 161KV	120	-0.00083	-0.06312	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.06301	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	AES 161KV	320	-0.00095	-0.063	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	KNOXLEE 138KV	62.4253	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	LEBROCK 345KV	465	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	EASTMAN 138KV	355	-0.00102	-0.06293	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	WILKES 138KV	125	-0.00103	-0.06292	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	ELK RIVER 345KV	46.01746	-0.00105	-0.06285	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	WILKES 138KV	71.93583	-0.00105	-0.06289	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	WELSH 345KV	1044	-0.00112	-0.06283	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	NORTHEASTERN STATION 345KV	625	-0.00114	-0.06281	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	NORTHEASTERN STATION 138KV	440	-0.00119	-0.06281	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	NARROWS 69KV	22	-0.00122	-0.06273	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MUSKOGEE 161KV	161	-0.00125	-0.0627	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	OC 345KV	369	-0.00129	-0.06268	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MUSKOGEE 345KV	1548	-0.00133	-0.06262	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	COGENTRIX 345KV	865	-0.00139	-0.06255	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00158	-0.06237	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017	-0.06225	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.06221	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	JEFFREY ENERGY CENTER 345KV	470	-0.00179	-0.06215	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SOONER 138KV	535	-0.00216	-0.06179	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	REDDUD 345KV	250	-0.00223	-0.06172	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SOONER 345KV	537	-0.00227	-0.06168	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SEMINOLE 345KV	876	-0.00233	-0.06162	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.06161	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	HORSESHOE LAKE 138KV	352	-0.00235	-0.0616	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SEMINOLE 138KV	364.9676	-0.00235	-0.0616	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SPGCK182 13.200 345KV	33.4	-0.0024	-0.06155	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MUSTANG 138KV	278.124	-0.00248	-0.06147	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SMITH COGEN 138KV	107	-0.00248	-0.06147	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MCCLAIN 138KV	161	-0.00249	-0.06146	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 138KV	155	-0.00262	-0.06133	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	FRANZ 230KV	27	-0.00348	-0.06047	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	SOUTHWESTERN STATION 138KV	173	-0.0036	-0.06035	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	SOUTHWESTERN STATION 345KV	459	-0.0036	-0.06035	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEPW	COMANCHE 69KV	60	-0.00362	-0.06033	28
MIDW	paawee 115kv	999	-0.03902	AEPW	COMANCHE 138KV	145	-0.00364	-0.06031	29
MIDW	paawee 115kv	999	-0.03902	WERE	TECUMSEH ENERGY CENTER 115KV	173	0.00452	-0.04354	39
MIDW	paawee 115kv	999	-0.03902	MIPU	LAKE ROAD 161KV	35	0.0019	-0.04092	42
MIDW	paawee 115kv	999	-0.03902	MIPU	LAKE ROAD 34KV	92	0.0019	-0.04092	42
MIDW	paawee 115kv	999	-0.03902	KACP	IATAN 345KV	396	0.00153	-0.04055	42
MIDW	paawee 115kv	999	-0.03902	KACP	HAWTHORN 161KV	762	0.00103	-0.04005	42
MIDW	paawee 115kv	999	-0.03902	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	0.00098	-0.04	43
MIDW	paawee 115kv	999	-0.03902	KACY	NEARMAN 20KV	235	0.00096	-0.03998	43
MIDW	paawee 115kv	999	-0.03902	KACY	QUINDARO 161KV	87.82453	0.00096	-0.03998	43
MIDW	paawee 115kv	999	-0.03902	KACY	QUINDARO 69KV	72	0.00096	-0.03998	43
MIDW	paawee 115kv	999	-0.03902	MIPU	SIBLEY 69KV	45.99899	0.00095	-0.03997	43
MIDW	paawee 115kv	999	-0.03902	MIPU	SIBLEY 161KV	230.34999	0.00092	-0.03994	43
MIDW	paawee 115kv	999	-0.03902	KACP	BULL CREEK 161KV	210.4106	0.00069	-0.03971	43
MIDW	paawee 115kv	999	-0.03902	MIPU	GREENWOOD 161KV	38.84283	0.00066	-0.03968	43
MIDW	paawee 115kv	999	-0.03902	KACP	MONTROSE 161KV	353.2094	0.0006	-0.03962	43
MIDW	paawee 115kv	999	-0.03902	MIPU	SOUTH HARPER 161KV	315	0.00055	-0.03957	43
MIDW	paawee 115kv	999	-0.03902	KACP	LACYGNE UNIT 345KV	958	0.00011	-0.03913	44
MIDW	paawee 115kv	999	-0.03902	EMDE	LARUSSEL 161KV	100	-0.0005	-0.03852	45
MIDW	paawee 115kv	999	-0.03902	EMDE	ASBURY 161KV	191	-0.00054	-0.03848	45
MIDW	paawee 115kv	999	-0.03902	WERE	CHANUTE 69KV	50.687	-0.00057	-0.03845	45
MIDW	paawee 115kv	999	-0.03902	EMDE	STATE LINE 161KV	528.0889	-0.00063	-0.03839	45
MIDW	paawee 115kv	999	-0.03902	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.03838	45
MIDW	paawee 115kv	999	-0.03902	EMDE	RIVERTON 161KV	66	-0.00064	-0.03838	45
MIDW	paawee 115kv	999	-0.03902	EMDE	RIVERTON 69KV	46.28937	-0.00064	-0.03838	45
MIDW	paawee 115kv	999	-0.03902	AEPW	FITZHUGH 161KV	120	-0.00083	-0.03817	45
MIDW	paawee 115kv	999	-0.03902	AEPW	FLINT CREEK 161KV	400	-0.00094	-0.03808	45
MIDW	paawee 115kv	999	-0.03902	OKGE	AES 161KV	320	-0.00095	-0.03807	45
MIDW	paawee 115kv	999	-0.03902	AEPW	KNOXLEE 138KV	62.4253	-0.00101	-0.03801	45
MIDW	paawee 115kv	999	-0.03902	AEPW	LEBROCK 345KV	465	-0.00101	-0.03801	45
MIDW	paawee 115kv	999	-0.03902	AEPW	PIRKEY GENERATION 138KV	213	-0.00101	-0.03801	45
MIDW	paawee 115kv	999	-0.03902	AEPW	EASTMAN 138KV	355	-0.00102	-0.038	45
MIDW	paawee 115kv	999	-0.03902	AEPW	WILKES 138KV	125	-0.00103	-0.03799	45
MIDW	paawee 115kv	999	-0.03902	EMDE	ELK RIVER 345KV	46.01746	-0.00105	-0.03797	45
MIDW	paawee 115kv	999	-0.03902	AEPW	WILKES 138KV	71.93583	-0.00105	-0.03797	45
MIDW	paawee 115kv	999	-0.03902	AEPW	WELSH 345KV	1044	-0.00112	-0.0379	45
MIDW	paawee 115kv	999	-0.03902	AEPW	NORTHEASTERN STATION 345KV	625	-0.00114	-0.03788	45
MIDW	paawee 115kv	999	-0.03902	AEPW	NORTHEASTERN STATION 138KV	440	-0.00119	-0.03783	45
MIDW	paawee 115kv	999	-0.03902	OKGE	MUSKOGEE 161KV	161	-0.00125	-0.03777	46
MIDW	paawee 115kv	999	-0.03902	AEPW	OC 345KV	369	-0.00129	-0.03773	46
MIDW	paawee 115kv	999	-0.03902	OKGE	MUSKOGEE 345KV	1548	-0.00133	-0.03769	46
MIDW	paawee 115kv	999	-0.03902	AEPW	COGENTRIX 345KV	865	-0.00139	-0.03763	46
MIDW	paawee 115kv	34.20625	-0.06395	WERE	HUTCHINSON ENERGY CENTER 115KV	255			

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

WEPL	CLIFTON 115KV	70	-0.55203	OKGE	NARROWS 69KV	22	-0.00122	-0.55081	3
WEPL	CLIFTON 115KV	70	-0.55203	DKGE	MUSKOGEE 161KV	161	-0.00125	-0.55078	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	DEC 345KV	369	-0.00129	-0.55074	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	MUSKOGEE 345KV	1548	-0.00133	-0.5507	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	COGENTRIX 345KV	865	-0.00139	-0.55064	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00158	-0.55045	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017	-0.55033	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.55024	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0018	-0.55023	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CITY OF MULVANE 69KV	6.739	-0.00181	-0.55022	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SOONER 138KV	535	-0.00216	-0.54987	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	REDBUD 345KV	250	-0.00223	-0.54967	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SOONER 345KV	537	-0.00227	-0.54976	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	HORSESHOE LAKE 69KV	16	-0.00232	-0.54971	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SEMINOLE 345KV	876	-0.00233	-0.5497	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.54969	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	HORSESHOE LAKE 138KV	352	-0.00235	-0.54968	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SEMINOLE 138KV	364.9676	-0.00235	-0.54968	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0024	-0.54963	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	MUSTANG 138KV	278.124	-0.00248	-0.54953	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	SMITH COGEN 138KV	107	-0.00248	-0.54955	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	MCCLAIN 138KV	470	-0.00249	-0.54954	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	GILL ENERGY CENTER 138KV	155	-0.00262	-0.54941	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	CENTENIAL WIND 34KV	6	-0.00346	-0.54857	3
WEPL	CLIFTON 115KV	70	-0.55203	OKGE	FWLWIND 34KV	27	-0.00348	-0.54855	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	SOUTHWESTERN STATION 138KV	173	-0.0036	-0.54843	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	SOUTHWESTERN STATION 138KV	469	-0.0036	-0.54843	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	COMANCHE 69KV	60	-0.00362	-0.54841	3
WEPL	CLIFTON 115KV	70	-0.55203	AEWP	COMANCHE 138KV	145	-0.00364	-0.54839	3
WEPL	CLIFTON 115KV	70	-0.55203	KACP	WEATHERFORD 34KV	11	-0.00443	-0.54776	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00838	-0.54367	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	HARPER 138KV	8.49	-0.01296	-0.53907	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.02636	-0.52567	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.02641	-0.52562	3
WEPL	CLIFTON 115KV	70	-0.55203	MIDW	COLBY 115KV	13,064.01	-0.02746	-0.52457	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	SMOKEY HILLS 34KV	76	-0.02899	-0.52304	3
WEPL	CLIFTON 115KV	70	-0.55203	WERE	JUDSON LARGE 115KV	86.38679	-0.02944	-0.52259	3
WEPL	CLIFTON 115KV	70	-0.55203	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.02948	-0.52255	3
WEPL	CLIFTON 115KV	70	-0.55203	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22,980	-0.03175	-0.52028	3
WEPL	CLIFTON 115KV	70	-0.55203	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.05455	-0.49768	3
WEPL	CLIFTON 115KV	70	-0.55203	MIDW	KNOLL 115KV	41,717.75	-0.06395	-0.48808	4
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	HOLTON 115KV	12.2	0.03173	-0.09568	18
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.06847	25
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	LAKE ROAD 161KV	35	0.0019	-0.06585	26
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	LAKE ROAD 34KV	92	0.0019	-0.06585	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	IATAN 345KV	396	0.00153	-0.06548	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	HAWTHORN 161KV	762	0.00103	-0.06498	26
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	LAWRENCE ENERGY CENTER 230KV	225,721.6	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACY	NEARMAN 20KV	235	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACY	QUINDARO 161KV	87,824.53	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACY	QUINDARO 69KV	72	0.00096	-0.06491	26
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	SIBLEY 69KV	45,999.99	0.00095	-0.0649	26
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	SIBLEY 161KV	230,349.99	0.00095	-0.06487	26
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	BULL CREEK 161KV	210,410.6	0.00069	-0.06464	27
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	GREENWOOD 161KV	38,842.83	0.00066	-0.06461	27
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	MONTROSE 161KV	353,209.4	0.0006	-0.06455	27
MIDW	KNOLL 115KV	34.20625	-0.06395	MIFU	SOUTH HARPER 161KV	315	0.00055	-0.0645	27
MIDW	KNOLL 115KV	34.20625	-0.06395	KACP	LACYGNE UNIT 345KV	958	0.00011	-0.06408	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	LARUSSEL 161KV	100	-0.0005	-0.06345	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	ASBURY 161KV	191	-0.00054	-0.06341	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CHANUTE 69KV	50.687	-0.00057	-0.06338	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	STATE LINE 161KV	528,089.9	-0.00063	-0.06332	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	RIVERTON 161KV	66	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	EMDE	RIVERTON 69KV	46,289.37	-0.00064	-0.06331	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0006	-0.06334	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	FITZGUGH 161KV	120	-0.00083	-0.06312	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	FLINT CREEK 161KV	400	-0.00094	-0.06301	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	AES 161KV	320	-0.00095	-0.063	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	KNOXLEE 138KV	62,425.53	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	LEBROCK 345KV	465	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	PIRKEY GENERATION 138KV	213	-0.00101	-0.06294	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	EASTMAN 138KV	355	-0.00102	-0.06293	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	WILKES 345KV	125	-0.00103	-0.06292	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	ELK RIVER 345KV	46,017.46	-0.00105	-0.06289	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	WILKES 138KV	71,935.83	-0.00105	-0.06283	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	WELSH 345KV	1044	-0.00112	-0.06283	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	NORTHEASTERN STATION 345KV	625	-0.00114	-0.06281	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	NORTHEASTERN STATION 138KV	461	-0.00114	-0.0628	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	NARROWS 69KV	22	-0.00122	-0.06273	27
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MUSKOGEE 161KV	161	-0.00125	-0.0627	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	DEC 345KV	369	-0.00129	-0.06266	27
MIDW	KNOLL 115KV	34.20625	-0.06395	DKGE	MUSKOGEE 345KV	1548	-0.00133	-0.06262	27
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	COGENTRIX 345KV	865	-0.00139	-0.06256	27
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00158	-0.06237	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.0017	-0.06225	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.06216	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0018	-0.06215	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SOONER 138KV	535	-0.00216	-0.06179	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	REDBUD 345KV	250	-0.00223	-0.06172	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SOONER 345KV	537	-0.00227	-0.06168	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SEMINOLE 345KV	876	-0.00233	-0.06162	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.06161	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	HORSESHOE LAKE 138KV	352	-0.00235	-0.0616	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SEMINOLE 138KV	364.9676	-0.00235	-0.0616	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0024	-0.06155	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MUSTANG 138KV	278.124	-0.00248	-0.06147	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	SMITH COGEN 138KV	107	-0.00248	-0.06147	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	MCCLAIN 138KV	470	-0.00249	-0.06146	28
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	GILL ENERGY CENTER 138KV	155	-0.00262	-0.06133	28
MIDW	KNOLL 115KV	34.20625	-0.06395	OKGE	FWLWIND 34KV	27	-0.00348	-0.06047	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	SOUTHWESTERN STATION 138KV	173	-0.0036	-0.06035	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	SOUTHWESTERN STATION 138KV	469	-0.0036	-0.06035	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	COMANCHE 69KV	60	-0.00362	-0.06033	28
MIDW	KNOLL 115KV	34.20625	-0.06395	AEWP	COMANCHE 138KV	145	-0.00364	-0.06031	29
MIDW	pawnee 115kv	999	-0.03902	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.04354	39
MIDW	pawnee 115kv	999	-0.03902	MIFU	LAKE ROAD 161KV	35	0.0019	-0.04092	42
MIDW	pawnee 115kv	999	-0.03902	MIFU	LAKE ROAD 34KV	92	0.0019	-0.04092	42
MIDW	pawnee 115kv	999	-0.03902	KACP	IATAN 345KV	396	0.00153	-0.04055	42
MIDW	pawnee 115kv	999	-0.03902	KACP	HAWTHORN 161KV	762	0.00103	-0.04005	43
MIDW	pawnee 115kv	999	-0.03902	WERE	LAWRENCE ENERGY CENTER 230KV	225,721.6	0.00096	-0.04	43
MIDW	pawnee 115kv	999	-0.03902	KACY	NEARMAN 20KV	235	0.00096	-0.03998	43
MIDW	pawnee 115kv	999	-0.03902	KACY	QUINDARO 161KV	87,824.53	0.00096	-0.03998	43
MIDW	pawnee 115kv	999	-0.03902	KACY	QUINDARO 69KV	72	0.00096	-0.03998	

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

MIDW	paawee 115kv		999	-0.03902	AEPW	WILKES 138KV		71.93683	-0.00105	-0.03797	45
MIDW	paawee 115kv		999	-0.03902	AEPW	WELSH 345KV		1044	-0.00112	-0.03797	45
MIDW	paawee 115kv		999	-0.03902	AEPW	NORTHEASTERN STATION 345KV		625	-0.00114	-0.03788	45
MIDW	paawee 115kv		999	-0.03902	AEPW	NORTHEASTERN STATION 138KV		440	-0.00119	-0.03783	45
MIDW	paawee 115kv		999	-0.03902	OKGE	MUSKOGEE 161KV		161	-0.00125	-0.03777	46
MIDW	paawee 115kv		999	-0.03902	AEPW	OEC 345KV		369	-0.00129	-0.03773	46
MIDW	paawee 115kv		999	-0.03902	OKGE	MUSKOGEE 345KV		1548	-0.00133	-0.03769	46
MIDW	paawee 115kv		999	-0.03902	AEPW	COGENTRIX 345KV		865	-0.00139	-0.03763	46
MIDW	KNOLL 115KV	34.20625	-0.06395	WERE	HUTCHINSON ENERGY CENTER 115KV		255	-0.02636	-0.03759	46	
MIDW	paawee 115kv		999	-0.03902	WERE	JEFFREY ENERGY CENTER 230KV		470	-0.00158	-0.03744	46
MIDW	paawee 115kv		999	-0.03902	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	-0.00177	-0.03732	46	
MIDW	paawee 115kv		999	-0.03902	WERE	EVANS ENERGY CENTER 138KV	485	-0.00179	-0.03722	46	
MIDW	paawee 115kv		999	-0.03902	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00188	-0.03722	46	
MIDW	paawee 115kv		999	-0.03902	OKGE	SOONER 138KV	535	-0.00216	-0.03686	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	REDBUD 345KV	250	-0.00223	-0.03679	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	SOONER 345KV	537	-0.00227	-0.03675	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	SEMINOLE 345KV	876	-0.00233	-0.03669	47	
MIDW	paawee 115kv		999	-0.03902	WERE	GILL ENERGY CENTER 69KV	52	-0.00234	-0.03668	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	HORSESHOE LAKE 138KV	352	-0.00235	-0.03667	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	SEMINOLE 138KV	364.9676	-0.00235	-0.03667	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	SPOCK 182 13.200 345KV	33.4	-0.0024	-0.03662	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	MUSTANG 138KV	278.124	-0.00248	-0.03654	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	SMITH COGEN 138KV	107	-0.00248	-0.03654	47	
MIDW	paawee 115kv		999	-0.03902	OKGE	MCLLAIN 138KV	470	-0.00249	-0.03653	47	
MIDW	paawee 115kv		999	-0.03902	WERE	GILL ENERGY CENTER 138KV	155	-0.00262	-0.0364	47	
MIDW	paawee 115kv		999	-0.03902	AEPW	SOUTHWESTERN STATION 138KV	79	-0.00145	-0.0364	49	
MIDW	paawee 115kv		999	-0.03902	AEPW	SOUTHWESTERN STATION 138KV	469	-0.0036	-0.03642	49	
MIDW	paawee 115kv		999	-0.03902	AEPW	COMANCHE 69KV	60	-0.00362	-0.0364	49	
MIDW	paawee 115kv		999	-0.03902	AEPW	COMANCHE 138KV	145	-0.00364	-0.03638	49	
MIDW	KNOLL 115KV	34.20625	-0.06395	WEPL	SMOKEY HILLS 34KV		76	-0.0289	-0.03496	49	
MIDW	KNOLL 115KV	34.20625	-0.06395	WEPL	JUDSON LARGE 115KV		86.38679	-0.02844	-0.03451	50	
MIDW	KNOLL 115KV	34.20625	-0.06395	WEPL	GRAY COUNTY WIND FARM 115KV		36	-0.02948	-0.03447	50	
WEPL	CIMARRON RIVER 115KV		72	-0.02651	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.03103	55	
WERE	HUTCHINSON ENERGY CENTER 115KV		169	-0.02636	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00452	-0.03088	56	

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

Upgrade: CHASE - WHITE JUNCTION 69KV CKT 1
 Limiting Facility: CHASE - WHITE JUNCTION 69KV CKT 1
 Direction: From->To
 Line Outage: WEAVER (WEAVER2X) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 2007AG1AFS41T8531408SP
 Date Redispatch Needed: 6/1/08 - 10/1/08
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222932		3.5										
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	A. M. MULLERGEREN GENERATOR 115KV	83	0.00134		7.8993		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	ABILENE ENERGY CENTER 115KV	40	0.00216		-0.79075		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	OKGE	AES 161KV	320	-0.00106		-0.78753		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	ARIES 161KV	39.91404	0.00176		-0.79035		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	EMDE	ASBURY 161KV	191	0.00065		-0.78824		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	BPU - CITY OF MCPHERSON 115KV	30	0.0014		-0.79204		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	BULL CREEK 161KV	363	0.00193		-0.79052		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	OKGE	CENTENAL WIND 34KV	120	-0.00479		-0.7838		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CHANUTE 69KV	56.037	0.00389		-0.79248		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WEPL	CIMARRON RIVER 115KV	42.55588	0.00256		-0.78915		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00299		-0.79158		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF ERIE 69KV	2	0.00389		-0.79248		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF FREDONIA 69KV	3.19	0.00478		-0.79337		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF GIRARD 69KV	3.6	0.00137		-0.78996		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00145		-0.79204		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF MULVANE 69KV	8.29	0.00048		-0.78907		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.00224		-0.79083		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WEPL	CLIFTON 115KV	65	0.0024		-0.79099		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00289		-0.79158		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	COGENTRIX 345KV	200	-0.00164		-0.78695		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIDW	COLBY 115KV	13.34757	0.00085		-0.78844		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	COMANCHE 138KV	145	-0.00307		-0.78552		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	COMANCHE 69KV	60	-0.00306		-0.78563		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	EASTMAN 138KV	355.29239	0.00145		-0.78743		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	EMDE	ELK RIVER 345KV	149.9956	0.00291		-0.7915		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	ELLIS 69KV	6	-0.00102		-0.78757		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	EMPORIA ENERGY CENTER 345KV	310	0.00237		-0.79096		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	EVANS ENERGY CENTER 138KV	535	0.00248		-0.79107		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	FITZLUIGH 161KV	85	-0.0009		-0.78769		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	FLINT CREEK 161KV	400	-0.00075		-0.78784		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	OKGE	FPLWIND2 34KV	102	-0.00485		-0.78374		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	GILL ENERGY CENTER 138KV	155	0.00042		-0.78901		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	GILL ENERGY CENTER 69KV	77	-0.0013		-0.78729		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00072		-0.78931		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97567	0.00073		-0.78932		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	GREENWOOD 161KV	247.8	0.00176		-0.79035		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	HARPER 138KV	8.49	0.00063		-0.79322		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	HAWTHORN 161KV	762	0.00175		-0.79034		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	HOLTON 115KV	12.2	0.00268		-0.79127		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	OKGE	HORSESHOE LAKE 138KV	796	-0.00336		-0.78523		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	OKGE	HORSESHOE LAKE 69KV	176	-0.00328		-0.78531		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	HUTCHINSON ENERGY CENTER 115KV	263.9507	0.0018		-0.79209		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0018		-0.79039		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	IATAN 345KV	386	0.00191		-0.7905		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0023		-0.79089		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	JEFFREY ENERGY CENTER 345KV	146	0.00227		-0.78986		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WEPL	JUDSON LARGE 115KV	92.28966	0.00072		-0.78931		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	KIOWA 345KV	2.564975	-0.00245		-0.78614		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIDW	KNOLL 115KV	42.37878	0.00151		-0.7901		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	KNOWLEE 138KV	294	-0.00116		-0.78743		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	KACP	LACY UNIT 345KV	95	0.00208		-0.79267		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	LAKE ROAD 161KV	111	0.00171		-0.7903		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	LAKE ROAD 34KV	92	0.00171		-0.7903		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	EMDE	LARUSSEL 161KV	100	0.0003		-0.78889		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	LAWRENCE ENERGY CENTER 230KV	236.0481	0.00236		-0.79095		4	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	LEBRUCK 345KV	465.3071	0.00116		-0.78743		4	
WERE	CITY OF AUGUSTA 69KV	17.9										

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

WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	SMOKEY HILLS 34KV	51	0.00187	-0.79046	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	SOONER 138KV	535	-0.0093	-0.77929	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	SOONER 345KV	537	-0.0057	-0.78269	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	SOUTH 4TH ST 69KV	20.26953	-0.00701	-0.78158	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	SOUTH HARPER 161KV	315	0.00186	-0.79045	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	SOUTH SENECA 115KV	8.5	0.0029	-0.79149	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00313	-0.78546	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	SOUTHWESTERN STATION 138KV	712	-0.00313	-0.78546	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	SPGCK182 13.200 345KV	78	-0.00396	-0.78463	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	SPGCK34 13.200 345KV	40.20001	-0.00396	-0.78463	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	EMDE	STATE LINE 161KV	532	0.00024	-0.78883	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	TCUMSHEH ENERGY CENTER 115KV	133	0.00295	-0.79154	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	DKGE	TINKER SG 138KV	60	-0.00331	-0.78528	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	TULSA POWER STATION 138KV	201	-0.00164	-0.78895	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	MIPU	TWA 161KV	28.1	0.00179	-0.79038	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	WEATHERFORD 34KV	148	-0.0033	-0.78529	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	WELSH 345KV	1044	-0.00129	-0.7873	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	WILKES 138KV	298.1434	-0.0012	-0.78739	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	AEPW	WILKES 345KV	308	-0.00118	-0.78741	4
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78859	WERE	CITY OF WINFIELD 69KV	26.31001	-0.18547	-0.60312	6
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	A M MULLER/OREN GENERATOR 115KV	83	0.00134	-0.18621	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	ABILENE ENERGY CENTER 115KV	40	0.00216	-0.18763	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	ARIES 161KV	39.91404	0.00176	-0.18723	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	BPU - CITY OF MCPHERSON 115KV	35	0.00119	-0.18737	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	BULL CREEK 161KV	563	0.00183	-0.1874	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CHANUTE 20KV	56.0391	0.00349	-0.18747	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00299	-0.18846	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00145	-0.18892	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.00224	-0.18771	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CLIFTON 115KV	85	0.0024	-0.18787	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00299	-0.18846	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	EMDE	ELK RIVER 345KV	149.9956	0.00291	-0.18838	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	EMPORIA ENERGY CENTER 345KV	310	0.00237	-0.18784	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	EVANS ENERGY CENTER 138KV	535	0.00248	-0.18795	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	GREENWOOD 161KV	247.8	0.00178	-0.18723	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	HAWTHORN 161KV	762	0.00175	-0.18722	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	HOLTON 115KV	12.2	0.00268	-0.18815	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	HUTCHINSON ENERGY CENTER 115KV	263.9507	0.0018	-0.18727	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0018	-0.18727	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	IATAN 345KV	396	0.00191	-0.18738	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0023	-0.18777	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00227	-0.18774	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIDW	KNOLL 115KV	42.37878	0.00151	-0.18698	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	LACY ONE UNIT 345KV	235	0.00295	-0.18726	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	LAKE ROAD 161KV	111	0.00171	-0.18718	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	LAKE ROAD 345KV	92	0.00171	-0.18718	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	LAWRENCE ENERGY CENTER 230KV	236.0481	0.00236	-0.18783	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	LAWRENCE 161KV	354.2897	0.00154	-0.18701	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACY	NEARMAN 161KV	64.92487	0.00185	-0.18732	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACY	NEARMAN 20KV	234.5	0.00185	-0.18732	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	NORTHEAST 13KV	149	0.00177	-0.18724	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	NORTHEAST 161KV	149	0.00177	-0.18724	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	PAOLA COMBUSTION TURBINES 161KV	173	0.00184	-0.18725	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	QUINDARO 161KV	117.374	0.00184	-0.18731	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACY	QUINDARO 69KV	72	0.00184	-0.18731	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	RALPH GREEN 69KV	71.7	0.00173	-0.1872	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	SIBLEY 161KV	230.6108	0.00167	-0.18714	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	SIBLEY 69KV	45.99999	0.00169	-0.18716	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	SMOKEY HILLS 34KV	51	0.00187	-0.18734	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	SOUTH HARPER 161KV	315	0.00186	-0.18733	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	SOUTH SENECA 115KV	8.5	0.0029	-0.18733	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	TCUMSHEH ENERGY CENTER 115KV	133	0.00295	-0.18842	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	TWA 161KV	28.1	0.00179	-0.18726	18
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	AES 161KV	320	-0.00106	-0.18441	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	EMDE	ASBURY 161KV	191	0.00065	-0.18612	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	CENTENAL WIND 34KV	120	-0.00479	-0.18688	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CHAMBERLAIN RIVER 115KV	42.55598	0.00266	-0.18562	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	CITY OF MULVANE 69KV	8.29	0.00048	-0.18595	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	COGENTRIX 345KV	200	-0.00164	-0.18383	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIDW	COLBY 115KV	13.34757	0.00085	-0.18632	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	COMANCHE 138KV	145	-0.00207	-0.1824	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	COMANCHE 69KV	60	-0.00306	-0.18241	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	EASTMAN 138KV	355.2985	-0.00116	-0.18431	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	FITZLUUGH 161KV	85	-0.0009	-0.18457	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	FLINT CREEK 161KV	400	-0.00075	-0.18472	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	FPLWIND2 34KV	102	-0.00485	-0.18262	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	GILL ENERGY CENTER 138KV	165	0.00042	-0.18589	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	GILL ENERGY CENTER 69KV	75	-0.0013	-0.18417	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00072	-0.18417	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.87567	0.0007	-0.1824	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	HARPER 138KV	8.49	0.00063	-0.1861	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	HORSESHOE LAKE 138KV	796	-0.00336	-0.18211	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	HORSESHOE LAKE 69KV	16	-0.00328	-0.18219	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	JUDSON LARGE 115KV	92.28966	0.00072	-0.18619	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	WERE	KNOWLES 138KV	284	-0.00116	-0.18431	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	EMDE	LARUSSEL 161KV	100	0.0003	-0.18577	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	LEBROCK 345KV	465.3971	-0.00116	-0.18431	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	KACP	MARSHALL 161KV	15	0.00117	-0.18664	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	MCCLAIN 138KV	470	-0.0034	-0.18207	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	MUSKOGEE 161KV	166	-0.00143	-0.18404	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	MUSKOGEE 345KV	1548	-0.00151	-0.18396	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	MUSTANG 138KV	351	-0.0035	-0.18197	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	MUSTANG 69KV	90	-0.00352	-0.18195	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	NARROWS 69KV	22	-0.0014	-0.18407	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	MIPU	NEVADA 69KV	18.3	0.00122	-0.18669	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	NORTHEASTERN STATION 138KV	488	-0.00144	-0.18403	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	NORTHEASTERN STATION 345KV	625	-0.00088	-0.18459	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	OEC 345KV	277.4659	-0.00141	-0.18406	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	EMDE	OZARK BEACH 161KV	16	0.00009	-0.18556	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	AEPW	PIRKEY GENERATION 138KV	253	-0.00116	-0.18431	19
WERE	CITY OF WINFIELD 69KV	13.68999	-0.18547	DKGE	REDBUD 345KV	110.5985	-0.00331	-0.1	

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00154	-0.79018	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	ABILENE ENERGY CENTER 115KV	40	0.0023	-0.79094	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	ARIES 161KV	86.50081	0.00177	-0.79041	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	ASBURY 161KV	0.00064	-0.78928	8	
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	BPU - CITY OF MCPHERSON 115KV	4.700199	0.00219	-0.79032	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	BULL CREEK 161KV	363	0.00194	-0.79058	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CHANUTE 69KV	56.037	0.00387	-0.79251	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	CHARRON RIVER 115KV	44	0.00069	-0.78933	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00295	-0.79125	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CITY OF FREEDON 115KV	3.19	0.00478	-0.7934	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CITY OF GIRARD 69KV	3.6	0.00135	-0.78990	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00146	-0.7901	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CITY OF MULVANE 69KV	8.29	0.00042	-0.78906	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.00235	-0.79099	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	CLIFTON 115KV	65	0.00244	-0.79108	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	CLOUD COUNTY 34KV	100	0.00229	-0.79093	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00295	-0.79159	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIDW	COLBY 115KV	12.72031	0.0102	-0.78966	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	ELK RIVER 345KV	149.9969	0.00286	-0.7915	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	EMPORIA ENERGY CENTER 345KV	610	0.00239	-0.79103	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	EVANS ENERGY CENTER 138KV	535	0.00239	-0.79103	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	GILL ENERGY CENTER 138KV	155	0.00035	-0.78899	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00086	-0.78949	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.00087	-0.78951	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	GREENWOOD 161KV	247.8	0.00177	-0.79041	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	HARPER 138KV	8.600001	0.00064	-0.78928	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	HAWTHORN 161KV	762	0.00178	-0.79104	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	HOLTON 115KV	12.2	0.00272	-0.79136	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.00221	-0.79085	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00221	-0.79085	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	IATAN 345KV	396	0.00193	-0.79057	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	JEFFREY ENERGY CENTER 230KV	90	0.00236	-0.791	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00232	-0.79096	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WEPL	JUDSON LARGE 115KV	100.66	0.00085	-0.78949	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIDW	KNOLL 115KV	68.82206	0.0017	-0.79034	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	LACYONE UNIT 345KV	598	0.00208	-0.79072	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	LAKE ROAD 161KV	111	0.00173	-0.79037	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	LAKE ROAD 34KV	92	0.00173	-0.79037	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	LARUSSELL 161KV	100	0.00029	-0.78983	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	LAWRENCE ENERGY CENTER 230KV	238.0001	0.00239	-0.79103	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	MARSHALL 161KV	15	0.00118	-0.79182	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	MONTROSE 161KV	355.1812	0.00155	-0.79019	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACY	NEARMAN 161KV	65.02057	0.00186	-0.7905	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACY	NEARMAN 20KV	234.5	0.00186	-0.7905	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	NEVADIA 69KV	103	0.00123	-0.78989	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	NORTHEAST 13KV	149	0.00179	-0.79043	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	NORTHEAST 161KV	149	0.00179	-0.79043	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	OZARK BEACH 161KV	16	0.00008	-0.78872	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00179	-0.79043	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACP	QUINDARO 161KV	117.2729	0.00186	-0.7905	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	KACY	QUINDARO 69KV	72	0.00186	-0.7905	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	RALPH GREEN 69KV	71.7	0.00174	-0.79038	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	RIVERTON 161KV	66	0.00025	-0.78888	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	RIVERTON 69KV	43.29102	0.00019	-0.78883	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	SIBLEY 161KV	231.7419	0.00087	-0.79043	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	SIBLEY 69KV	45.99999	0.0017	-0.79034	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	SMOKEY HILLS 34KV	51	0.00205	-0.79069	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	SOUTH HARPER 161KV	315	0.00187	-0.79051	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	SOUTH SECA 115KV	5	0.00293	-0.79157	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	EMDE	STATE LINE 161KV	488.2289	0.00023	-0.78887	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00299	-0.79163	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	MIPU	TWA 161KV	28.1	0.00181	-0.79045	8
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	AES 161KV	320	-0.00107	-0.78757	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	AGENT WIND 34KV	120	-0.00486	-0.78933	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	COGENTRIX 345KV	200	-0.00166	-0.78698	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	COMANCHE 138KV	145	-0.00308	-0.78556	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	COMANCHE 69KV	60	-0.00308	-0.78556	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	EASTMAN 138KV	355.5291	-0.00117	-0.78747	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	ELDS 69KV	6.6	-0.00103	-0.78761	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	FITZHIGH 161KV	109	-0.00091	-0.78773	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	FLINT CREEK 161KV	400	-0.00077	-0.78787	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	FWLWDC 34KV	102	-0.00488	-0.78376	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	GILL ENERGY CENTER 69KV	75	-0.00137	-0.78127	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	HORSESHOE LAKE 138KV	796	-0.00339	-0.78525	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	HORSESHOE LAKE 69KV	16	-0.0033	-0.78534	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	KIOWA 345KV	4.520621	-0.00247	-0.78617	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	KNOWLES 138KV	294	-0.00165	-0.78748	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	LEBROCK 345KV	316.1569	-0.00117	-0.78747	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	MCCLELLAN 138KV	470	-0.00342	-0.78522	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	MUSKOGEE 161KV	166	-0.00145	-0.78719	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	MUSKOGEE 345KV	1548	-0.00153	-0.78711	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	MUSTANG 138KV	351	-0.00352	-0.78512	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	MUSTANG 69KV	90	-0.00355	-0.78509	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	NARROWS 69KV	22	-0.00141	-0.78723	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	NORTHEASTERN STATION 138KV	488	-0.00146	-0.78718	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	NORTHEASTERN STATION 345KV	285	-0.0029	-0.78774	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	OEC 345KV	283.979	-0.00142	-0.78722	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	PIRKEY GENERATION 138KV	243	-0.00117	-0.78747	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	REDBUD 345KV	118.7524	-0.00333	-0.78531	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SEMINOLE 138KV	354.7034	-0.00307	-0.78657	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SEMINOLE 345KV	1019	-0.0031	-0.78553	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SMITH COGEN 138KV	107	-0.0035	-0.78514	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SOONER 138KV	535	-0.00933	-0.77931	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SOONER 345KV	537	-0.00674	-0.7829	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SOUTH ST 69KV	17.3252	-0.00704	-0.816	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00314	-0.7855	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	SOUTHWESTERN STATION 345KV	712	-0.00314	-0.7855	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	SPGK1&2 13.200 345KV	60	-0.00398	-0.78466	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	OKGE	TINKER 5G 138KV	80	-0.00334	-0.7853	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	TULSA POWER STATION 138KV	286	-0.00165	-0.7859	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	WEATHERFORD 34KV	148	-0.00332	-0.78532	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	WELSH 345KV	1044	-0.0013	-0.78734	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.78864	AEPW	WILKES 138KV	397.0064	-0.00121	-0.78743	9

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

Source	Control Area	Sink	Source Control Area	Sink Control Area	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00221	-0.18773	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KRACP	IATAN 348KV	396	0.00193	-0.18745	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00236	-0.18788	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00232	-0.18784	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WEPFL	JUDSON LARGE 115KV	100.66	0.00085	-0.18637	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIDW	KNOLL 115KV	68.82206	0.0017	-0.18722	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	KNOXLEE 138KV	294	-0.00116	-0.18436	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KRACP	LACYGNE UNIT 345KV	958	0.00208	-0.1874	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	LAKE ROAD 161KV	111	0.00173	-0.18725	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	LAKE ROAD 34KV	92	0.00173	-0.18725	36
WERE	CITY OF WINFIELD 69KV	-1.8552	EMDE	LARUSSEL 161KV	100	0.00209	-0.18581	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	LAWRENCE ENERGY CENTER 230KV	238.0081	0.00209	-0.18778	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	LEBROCK 345KV	318.1569	-0.00117	-0.18435	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACP	MARSHALL 161KV	15	0.00118	-0.1867	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACP	MONTROSE 161KV	355.1812	0.00155	-0.18707	36
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	MUSKOGEE 161KV	166	-0.00145	-0.18407	36
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	MUSKOGEE 345KV	1548	-0.00153	-0.18399	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	NARROWS 69KV	22	-0.00141	-0.18411	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACY	NEARMAN 161KV	65.02057	0.00186	-0.18738	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACY	NEARMAN 20KV	234.5	0.00186	-0.18738	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	NEVADA 69KV	18.3	0.00123	-0.18575	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACP	NORTHEAST 13KV	149	0.00179	-0.18731	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACP	NORTHEAST 161KV	149	0.00179	-0.18731	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	NORTHEASTERN STATION 138KV	488	-0.00146	-0.18406	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	NORTHEASTERN STATION 345KV	625	-0.0009	-0.18462	36
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	OKC 345KV	283.979	0.00169	-0.18721	36
WERE	CITY OF WINFIELD 69KV	-1.8552	EMDE	OZARK BEACH 161KV	16	0.00008	-0.1856	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00179	-0.18731	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	PIRKEY GENERATION 138KV	243	-0.00177	-0.18435	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACY	QUINDARO 161KV	117.2767	0.00186	-0.18738	36
WERE	CITY OF WINFIELD 69KV	-1.8552	KACY	QUINDARO 69KV	72	0.00186	-0.18738	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	RALPH GREEN 69KV	71.7	0.00174	-0.18726	36
WERE	CITY OF WINFIELD 69KV	-1.8552	EMDE	RIVERTON 161KV	66	0.00025	-0.18577	36
WERE	CITY OF WINFIELD 69KV	-1.8552	EMDE	RIVERTON 69KV	43.29102	0.00019	-0.18571	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	SIBLEY 161KV	231.7419	0.00169	-0.18721	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	SIBLEY 34KV	45.99999	0.0017	-0.18722	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	SMOKEY HILLS 34KV	51	0.00205	-0.18757	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	SOUTH HARPER 161KV	315	0.00187	-0.18739	36
WERE	CITY OF WINFIELD 69KV	-1.8552	EMDE	STATE LINE 161KV	488.2289	0.00023	-0.18575	36
WERE	CITY OF WINFIELD 69KV	-1.8552	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00289	-0.18851	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	TULSA POWER STATION 138KV	266	-0.00165	-0.18387	36
WERE	CITY OF WINFIELD 69KV	-1.8552	MIPU	TWA 161KV	28.1	0.00181	-0.18733	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	WELSH 345KV	1044	-0.0013	-0.18422	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	WILKES 138KV	397.0084	-0.00121	-0.18431	36
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	WILKES 345KV	308	-0.00119	-0.18433	36
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	CENTENIAL WIND 34KV	120	-0.00481	-0.18071	37
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	COMANCHE 138KV	145	-0.00308	-0.18244	37
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	COMANCHE 69KV	10	-0.00303	-0.18248	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	FPLWIND2 34KV	102	-0.00488	-0.18064	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	HORSESHOE LAKE 138KV	796	-0.00339	-0.18213	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	HORSESHOE LAKE 69KV	16	-0.0033	-0.18222	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	MCCLAIN 138KV	470	-0.00342	-0.1821	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	MUSTANG 138KV	381	-0.0035	-0.182	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	MUSTANG 69KV	90	-0.00355	-0.18197	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	REDDUD 345KV	118.7524	-0.00333	-0.18219	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SEMINOLE 138KV	354.7304	-0.00307	-0.18245	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SEMINOLE 69KV	1019	-0.00311	-0.18241	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SMITH COGEN 138KV	107	-0.0035	-0.18202	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SOONER 345KV	537	-0.00574	-0.17978	37
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00314	-0.18238	37
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	SOUTHWESTERN STATION 345KV	712	-0.00314	-0.18238	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SPCGK142 13.200 345KV	60	-0.00329	-0.18154	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	TINKER EG 138KV	60	-0.00334	-0.18218	37
WERE	CITY OF WINFIELD 69KV	-1.8552	AEPW	WEATHERFORD 34KV	148	-0.00332	-0.1822	37
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SOONER 138KV	535	-0.00933	-0.17619	38
WERE	CITY OF WINFIELD 69KV	-1.8552	OKGE	SOUTH 4TH ST 69KV	17.3252	-0.00704	-0.17848	38

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1 & LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1
 Limiting Facility: LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1
 Direction: From->To
 Line Outage: BASE CASE
 Flowgate: 2007AG14F541111409SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	1.7	2.5	WERE	CITY OF IOLA 69KV	42.878	-1	WEPFL	A. M. MULLERGEREN GENERATOR 115KV	63	0	-1	2
1222932	0.5	2.5	WERE	CITY OF IOLA 69KV	42.878	-1	WERE	ABILENE ENERGY CENTER 115KV	31.45166	0	-1	2
1222943	0.2	2.5	WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	AES 161KV	2	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	ARIES 161KV	86.6143	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	ASBURY 161KV	191	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	BULL CREEK 161KV	353	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	CENTENIAL WIND 34KV	120	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CHANUTE 69KV	56.037	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WEPFL	CHARRON RIVER 115KV	44	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF FERIE 69KV	2	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF FREDONIA 69KV	3.19	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF GIRARD 69KV	3.6	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF MULVANE 69KV	8.29	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF NEWELL 69KV	12.69001	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WEPFL	CLIFTON 115KV	65	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COGENTRIX 345KV	200	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	COLBY 115KV	13.21698	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COMANCHE 138KV	145	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COMANCHE 69KV	60	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	EASTMAN 138KV	355.5287	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	EUK RIVER 345KV	149.9869	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	ELLIS 69KV	6.6	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EMPORIA ENERGY CENTER 345KV	610	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	FITZLUIGH 161KV	109	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	FUNT CREEK 161KV	400	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	FPLWIND2 34KV	102	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GRAY COUNTY WIND FARM 115KV	36	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	GREENWOOD 161KV	247.8	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WEPFL	HARPER 138KV	8.600001	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	HAWTHORN 161KV	762			

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

Source	Relief	Source GSF	Relief GSF	Source Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 161KV	111	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 34KV	92	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	LARUSSEL 161KV	100	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	LAWRENCE ENERGY CENTER 230KV	235.9095	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	LEBROCK 345KV	316.1581	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	MARSHALL 161KV	15	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MCCLAIN 138KV	470	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	MID-CONTINENT 138KV	2.00906	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	MONROSE 161KV	354.9258	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 161KV	166	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 345KV	1548	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSTANG 138KV	351	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSTANG 69KV	90	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	NARROWS 69KV	22	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 161KV	65.02057	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 20KV	234.5	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	NEVADA 69KV	18.3	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	NORTHEAST 13KV	149	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	NORTHEAST 161KV	149	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	NORTHEASTERN STATION 138KV	488	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	NORTHEASTERN STATION 345KV	625	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	OEC 345KV	283.9951	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	OZARK BEACH 161KV	16	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	PIRKEY GENERATION 138KV	243	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 161KV	117.2902	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 69KV	72	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	RALPH GREEN 69KV	71.7	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	REDBUD 345KV	118.7725	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	RIVERTON 161KV	156.1533	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 69KV	43.78435	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 138KV	354.577	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 345KV	1019	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 161KV	230.6628	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 69KV	45.99999	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SMITH COGEN 138KV	107	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SMOKEY HILLS 34KV	51	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 138KV	535	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 345KV	537	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOUTH 4TH ST 69KV	17.3252	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SOUTH HARPER 161KV	315	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SOUTH SENECA 115KV	8.5	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	SOUTHWESTERN STATION 138KV	2.7	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	SOUTHWESTERN STATION 138KV	712	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK182 13,200 345KV	60	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	STATE LINE 161KV	532	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	TECUMSEH ENERGY CENTER 115KV	133	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	TRWGR 69KV	160	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	TULSA POWER STATION 138KV	266	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	TWA 161KV	28.1	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	WEATHERFORD 34KV	148	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	WELSH 345KV	1044	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	WILKES 138KV	397.1568	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	WILKES 345KV	308	0	-1	2

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CITY OF IOLA - UNITED NO. 9 CONGER 69KV CKT 1 & LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1
 Limiting Facility: LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1
 Direction: From-To
 Line Outage: BASE CASE
 Flowgate: 2007AG1AFS41T21308SP
 Date Redispatch Needed: 6/1/08 - 10/1/08
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	1.3	1.6	WERE	CITY OF IOLA 69KV	42.878	-1	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	0	-1	2
1222932	0.3	1.6	WERE	CITY OF IOLA 69KV	42.878	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	AES 161KV	320	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	ASBURY 161KV	191	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	BPU - CITY OF MCPHERSON 115KV	35	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	BULL CREEK 161KV	45.29272	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	CENTENAL WIND 34KV	16	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CHANUTE 69KV	56.037	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF ERIE 69KV	2	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF FREDONIA 69KV	3.19	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF GIRARD 69KV	3.6	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF MULVANE 69KV	8.29	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF WINFIELD 69KV	26.31001	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CLIFTON 115KV	36.55588	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COGENTRIX 345KV	865	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	COLBY 115KV	13.05467	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COMANCHE 138KV	145	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	COMANCHE 69KV	60	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	EASTMAN 138KV	155	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	ELK RIVER 345KV	45.27562	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	ELLIS 69KV	6	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EMPORIA ENERGY CENTER 345KV	201.7461	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EVANS ENERGY CENTER 138KV	520	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	FITZUGH 161KV	85	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	FLINT CREEK 161KV	400	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	FPLWIND2 34KV	26	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GRAY COUNTY WIND FARM 115KV	110	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4757	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	GREENWOOD 161KV	178.8008	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HARPER 138KV	8.49	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	HAWTHORN 161KV	762	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HOLTON 115KV	11.2	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 138KV	796	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 69KV	16	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	245	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	IATAN 348KV	366	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JUDSON LARGE 115KV	104.3593	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	KNOLL 115KV	41.97686	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	AEPW	KNOXLEE 138KV	294	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 161KV	35	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	LAKE ROAD 34KV	92	0	-1	2
			WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	L				

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

WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 138KV	488	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 345KV	625	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	OEC 345KV	369	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	OZARK BEACH 161KV	16	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	PIRKEY GENERATION 138KV	253	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 161KV	162,567	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 69KV	129,4	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	REDBUD 345KV	150	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 161KV	190	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 69KV	50,19183	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 138KV	339,9611	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 345KV	1019	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 161KV	232,4793	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SIBLEY 69KV	45,99999	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SMITH COGEN 138KV	107	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SMOKEY HILLS 34KV	101	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 138KV	535	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 345KV	537	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	MIPU	SOUTH HARPER 161KV	315	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SOUTH SENECA 115KV	8.5	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	237	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	1025	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK1&2 13,200 345KV	78	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK3&4 13,200 345KV	43,39999	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	STATE LINE 161KV	582,7066	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	TECUMSEH ENERGY CENTER 115KV	133	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	TONTIOWN 161KV	68,09399	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	TULSA POWER STATION 138KV	299	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WEATHERFORD 34KV	12	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WELSH 345KV	1044	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 158KV	423,8511	0	-1	2
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 345KV	308	0	-1	2

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

Factor = Source GSF - Sink GSF

Redispatch Amount / Factor

Upgrade: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Limiting Facility: CITY OF WINFIELD - RAINBOW 69KV CKT 1
 Direction: To->From
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 2007AG1AFS41T2093309SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Unltd EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	0.6	1.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	A. M. MULLERGEN GENERATOR 115KV	83	-0.00221	-0.69836	2
1222932	0.3	1.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00286	-0.69771	2
1222943	0.2	1.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	AES 161KV	320	0.00127	-0.70184	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	ASBURY 161KV	191	-0.00064	-0.69993	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	CENTENAL WIND 34KV	16	0.00557	-0.70614	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CHANUTE 69KV	56.037	-0.00245	-0.69812	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF AUGUSTA 69KV	20.02	-0.05627	-0.6443	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.0043	-0.69627	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF ERIE 69KV	2	-0.00245	-0.69812	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF FREDONIA 69KV	3.19	-0.00283	-0.69774	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF GIRARD 69KV	3.6	-0.0012	-0.69937	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	CITY OF HIGGINSVILLE 69KV	30,9016	-0.00177	-0.6988	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF MULVANE 69KV	8.29	-0.00358	-0.69699	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.00286	-0.69771	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CLIFTON 115KV	42,81394	-0.00267	-0.69759	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.0043	-0.69627	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	COGENTRIX 345KV	965	0.002	-0.70257	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIDW	COLBY 115KV	12,91524	-0.0014	-0.69917	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	COMANCHE 138KV	145	0.00353	-0.70471	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	COMANCHE 345KV	60	0.00353	-0.7041	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	EASTMAN 138KV	155	0.00137	-0.70194	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	ELK RIVER 345KV	44,93687	-0.00462	-0.69595	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	ELLIS 69KV	6.6	0.00124	-0.70181	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	EMPORIA ENERGY CENTER 345KV	507.2	-0.00362	-0.69759	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	EVANS ENERGY CENTER 138KV	535	-0.004	-0.69657	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	FITZGUGH 161KV	109	0.00109	-0.70166	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	FLINT CREEK 161KV	400	0.00095	-0.70152	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	FRYLAND 34KV	8	0.00564	-0.70251	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GILL ENERGY CENTER 138KV	155	-0.00266	-0.69791	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GILL ENERGY CENTER 69KV	75	-0.00048	-0.70009	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GRAY COUNTY WIND FARM 115KV	110	-0.00146	-0.69911	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	269,4778	-0.00135	-0.69922	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HARPER 138KV	8,60901	-0.00248	-0.69909	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	HAWTHORN 161KV	749,4458	-0.00213	-0.69844	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HOLTON 115KV	12.2	-0.00279	-0.69778	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	HORSESHOE LAKE 138KV	796	0.00392	-0.70449	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	HORSESHOE LAKE 69KV	16	0.00392	-0.70439	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HUTCHINSON ENERGY CENTER 115KV	200,8322	-0.0032	-0.69737	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	IATAN 345KV	396	-0.00229	-0.69828	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00278	-0.69779	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JEFFREY ENERGY CENTER 345KV	470	-0.00278	-0.69781	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JUDSON LARGE 115KV	105,7457	-0.00146	-0.69911	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIDW	KNOLL 115KV	68,58075	-0.0023	-0.69827	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	KNOXLEE 138KV	284	0.00136	-0.70193	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	LACYGNE UNIT 345KV	958	-0.00269	-0.69788	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIPU	LAKE ROAD 161KV	35	-0.00206	-0.69851	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIPU	LAKE ROAD 34KV	92	-0.00206	-0.69851	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	LARUSSEL 161KV	100	-0.00029	-0.70028	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	LAWRENCE ENERGY CENTER 230KV	233,9476	-0.00274	-0.69783	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	LEBROCK 345KV	165	0.00136	-0.70193	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	LIEBERMAN 138KV	156	0.00127	-0.70194	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MCCLAIN 138KV	470	0.00395	-0.70452	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	MONTROSE 161KV	372,4991	-0.00189	-0.69868	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSKOGEE 161KV	166	0.00174	-0.70231	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSKOGEE 345KV	1548	0.00183	-0.7024	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSTANG 138KV	351	0.00486	-0.70463	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSTANG 69KV	74,3252	0.00409	-0.70466	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	NARROWS 69KV	22	0.00164	-0.70221	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	NEARMAN 161KV	77	-0.00225	-0.69832	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	NEARMAN 20KV	235	-0.00225	-0.69832	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	NORTHEASTERN STATION 138KV	488	0.00188	-0.70245	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	NORTHEASTERN STATION 345KV	625	0.00113	-0.7017	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	OEC 345KV	369	0.00172	-0.70229	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.7005	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	IAEPW	PIRKEY GENERATION 138KV	253	0.00136	-0.70028	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	QUINDARO 161KV	118,0466	-0.00225	-0.69832	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	QUINDARO 69KV	116,3833	-0.00225	-0.69832	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	REDBUD 345KV	150	0.00386	-0.70443	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	RIVERTON 161KV	190	-0.0022	-0.70035	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	RIVERTON 69KV	51,89206	-0.00016	-0.70041	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SEMINOLE 138KV	345,6682	0.00354	-0.70411	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SEMINOLE 345KV	1019	0.0036	-0.70417	2
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057						

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

WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4802	-0.00101	-0.6997	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WEPFL	HARPER 138KV	8.49	-0.00246	-0.69825	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACP	HAWTHORN 161KV	455	-0.0021	-0.69861	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HOLTON 115KV	12.2	-0.00269	-0.69802	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	HORSESHOE LAKE 138KV	352	0.00386	-0.70457	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	HORSESHOE LAKE 69KV	16	0.00377	-0.70448	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HUTCHINSON ENERGY CENTER 115KV	243.2334	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACP	IATAN 345KV	396	-0.00223	-0.69848	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00264	-0.69807	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00262	-0.69809	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WEPFL	JUDSON LARGE 115KV	76.98138	-0.0115	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIDOW	KNOLL 115KV	41.07931	-0.00186	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	KNOXLEE 138KV	164	0.00133	-0.70204	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACP	LACYGNE UNIT 345KV	958	-0.0027	-0.69801	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	LAKE ROAD 161KV	35	-0.00201	-0.69871	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	LAKE ROAD 34KV	92	-0.00201	-0.69871	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	LARUSSEL 161KV	100	-0.00331	-0.7004	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LAWRENCE ENERGY CENTER 230KV	222.552	-0.00266	-0.69805	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	LEBROCK 345KV	315	0.00134	-0.70205	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	MCCLAIN 138KV	470	0.00389	-0.7046	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACP	MONTROSE 161KV	236.9316	-0.00186	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	MUSKOGEE 161KV	138.124	0.0017	-0.70241	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	MUSKOGEE 345KV	1548	0.00179	-0.7025	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	MUSTANG 138KV	193	0.00401	-0.70472	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	NARROW'S 69KV	625	0.00162	-0.70363	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACY	NEARMAN 161KV	52.19366	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACY	NEARMAN 20KV	235	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	NORTHEASTERN STATION 138KV	488	0.00184	-0.70255	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	NORTHEASTERN STATION 345KV	958	0.00189	-0.7016	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	OEC 345KV	369	0.00168	-0.70239	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.70062	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	PIRKEY GENERATION 138KV	213	0.00134	-0.70205	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACY	QUINDARO 161KV	118.0663	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	KACY	QUINDARO 69KV	72	-0.00221	-0.69885	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	REDBUD 345KV	150	0.0038	-0.70451	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	RIVERTON 161KV	66	-0.00026	-0.70045	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	RIVERTON 69KV	46.9599	-0.00019	-0.70052	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SEMINOLE 138KV	252.3339	0.00349	-0.7042	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SEMINOLE 345KV	823	0.00354	-0.70425	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SIBLEY 161KV	230.3362	-0.00201	-0.69887	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SIBLEY 69KV	45.99999	-0.00203	-0.69888	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SMITH COGEN 138KV	107	0.00398	-0.70469	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	SMOKEY HILLS 34KV	126	-0.0022	-0.69846	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SOONER 138KV	535	0.0109	-0.71161	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SOONER 345KV	537	0.00656	-0.70727	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SOUTH HARPER 161KV	214.205	-0.00227	-0.69844	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	SOUTH SENECA 115KV	8.5	-0.00269	-0.69802	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	SOUTHWESTERN STATION 138KV	230	0.00357	-0.70428	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	SOUTHWESTERN STATION 345KV	645	0.00357	-0.70428	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SPGK1&2 13.200 345KV	10	0.00453	-0.70524	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	STATE LINE 161KV	498.0889	-0.00023	-0.70048	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	TCCUMSEH ENERGY CENTER 115KV	112	-0.00221	-0.69871	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	TULSA POWER STATION 138KV	112	0.00195	-0.70266	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	WEATHERFORD 34KV	12	0.00377	-0.70448	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	WELSH 345KV	1044	0.00149	-0.7022	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	WILKES 138KV	206.7904	0.00139	-0.7021	1
WERE	CITY OF WINFIELD 69KV	40	-0.70071	AEPW	WILKES 345KV	301.4253	0.00137	-0.70208	1
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SOONER 138KV	535	0.0109	-0.69732	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	CENTRAL WIND 34KV	6	0.00551	-0.69193	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	COMANCHE 138KV	145	0.0035	-0.69992	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	COMANCHE 69KV	60	0.0035	-0.69992	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	FPLWIND2 34KV	27	0.00558	-0.6962	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	HORSESHOE LAKE 138KV	352	0.00386	-0.69628	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	HORSESHOE LAKE 69KV	16	0.00377	-0.69619	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MCCLAIN 138KV	470	0.00389	-0.69631	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MUSTANG 138KV	193	0.00401	-0.69643	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	REDBUD 345KV	150	0.0038	-0.69622	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SEMINOLE 138KV	252.3339	0.00349	-0.69591	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SEMINOLE 345KV	823	0.00354	-0.69596	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SMITH COGEN 138KV	107	0.00398	-0.69598	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SOONER 345KV	537	0.00656	-0.69598	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	SOUTHWESTERN STATION 138KV	230	0.00357	-0.69599	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	SOUTHWESTERN STATION 345KV	645	0.00357	-0.69599	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SPGK1&2 13.200 345KV	10	0.00453	-0.69606	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	WEATHERFORD 34KV	12	0.00377	-0.69619	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	AES 161KV	320	0.00125	-0.69567	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	COGENTRIX 345KV	865	0.00195	-0.69587	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	EASTMAN 138KV	155	0.00134	-0.69576	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	ELLIS 69KV	6	0.00121	-0.69563	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	FITZHUGH 161KV	120	0.00106	-0.69548	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	FLINT CREEK 161KV	400	0.00092	-0.69534	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	KNOXLEE 138KV	164	0.00133	-0.69575	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	LARUSSEL 161KV	100	-0.00331	-0.69591	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	LEBROCK 345KV	315	0.00134	-0.69576	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MUSKOGEE 161KV	138.124	0.0017	-0.69581	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MUSKOGEE 345KV	1548	0.00179	-0.69581	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	NARROW'S 69KV	625	0.00162	-0.69584	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	NORTHEASTERN STATION 138KV	488	0.00184	-0.69586	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	NORTHEASTERN STATION 345KV	958	0.00189	-0.69575	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	OEC 345KV	369	0.00168	-0.69581	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.69533	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	PIRKEY GENERATION 138KV	213	0.00134	-0.69576	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	RIVERTON 161KV	66	-0.00026	-0.69516	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	RIVERTON 69KV	46.9599	-0.00019	-0.69523	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	STATE LINE 161KV	498.0889	-0.00023	-0.69519	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	TULSA POWER STATION 138KV	112	0.00195	-0.69537	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	WELSH 345KV	1044	0.00149	-0.69579	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	WILKES 138KV	206.7904	0.00139	-0.69571	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	AEPW	WILKES 345KV	301.4253	0.00137	-0.69579	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WEPFL	A. M. MULLERGERN GENERATOR 115KV	48.77484	-0.00172	-0.6947	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	ASBURY 161KV	191	-0.00067	-0.69575	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	CHANNAY 69KV	50.887	-0.0025	-0.69392	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	CITY OF MULVANE 69KV	6.739	-0.00376	-0.69566	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00258</		

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

WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	EVANS ENERGY CENTER 138KV	425	-0.00423	-0.05219	17
Maximum Decrement and Maximum Increment were determined from the Source and Sink Operating Points in the study models where limiting facility was identified.									
Factor = Source GSF / Sink GSF									
Redispatch Amount = Relief Amount / Factor									
Upgrade: CITY OF WINFIELD - TIMBER JUNCTION 69KV CKT 1 & RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement									
RICHLAND - UDALL 69KV CKT 1 & TIMBER JUNCTION - UDALL 69KV CKT 1									
Limiting Facility: RICHLAND - ROSE HILL JUNCTION 69KV CKT 1									
Direction: To->From									
Line Outage: EL PASO - FARBER 138KV CKT 1									
Flowgate: 2007AG14FS41140469S									
Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC									
Season Flowgate Identified: 2009 Summer Peak									
Reservation	Relief Amount	Aggregate Relief Amount							
1222644	0.3	1.1							
1222932	0.6	1.1							
1222943	0.2	1.1							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CITY OF AUGUSTA 69KV	20.02	0.06425	-0.35556	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CITY OF MULVANE 69KV	8.29	0.01331	-0.30462	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	GILL ENERGY CENTER 138KV	155	0.00996	-0.30127	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	EVANS ENERGY CENTER 138KV	536	0.00961	-0.29922	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	ELK RIVER 345KV	149.9969	0.0095	-0.30081	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00876	-0.30007	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00876	-0.30007	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HARPER 138KV	8.60001	0.00842	-0.29973	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.00703	-0.29834	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00703	-0.29834	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	EMPORIA ENERGY CENTER 345KV	610	0.00627	-0.29758	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	GILL ENERGY CENTER 69KV	75	0.00614	-0.29745	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	ABILENE ENERGY CENTER 115KV	40	0.006	-0.29731	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00597	-0.29728	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CLAY ENERGY CENTER 115KV	16.55	0.00594	-0.29725	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	SMOKEY HILLS 34KV	51	0.00572	-0.29703	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00568	-0.29699	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00565	-0.29696	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	LAWRENCE ENERGY CENTER 230KV	238.0081	0.00552	-0.29683	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	CLOUD COUNTY 34KV	100	0.00551	-0.29682	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HOLTON 115KV	12.2	0.0055	-0.29681	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	LACYONE UNIT 345KV	956	0.0054	-0.29675	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	CLIFTON 115KV	65	0.00541	-0.29672	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	SOUTH SENECA 115KV	8.5	0.0054	-0.29671	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIDW	KNOLL 115KV	68.82206	0.00504	-0.29635	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	A. M. MULLER/RENER GENERATOR 115KV	36	0.005	-0.29631	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	BULL CREEK 161KV	353	0.0048	-0.29611	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	SOUTH HARPER 161KV	315	0.00465	-0.29596	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	IATAN 34KV	396	0.00464	-0.29595	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	NEARMAN 161KV	65.02057	0.00455	-0.29586	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	NEARMAN 69KV	234.5	0.0045	-0.29586	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	QUINDARO 161KV	117.2767	0.00455	-0.29586	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	QUINDARO 69KV	72	0.00454	-0.29585	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	TWA 161KV	28.1	0.0044	-0.29571	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	ARIES 161KV	86.80081	0.00439	-0.2957	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	NORTHEAST 13KV	149	0.00438	-0.29569	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	NORTHEAST 161KV	149	0.00438	-0.29569	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	GREENWOOD 161KV	247.8	0.00436	-0.29567	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	HAWTHORN 161KV	762	0.00431	-0.29562	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	RALPH GREEN 69KV	71.7	0.00431	-0.29562	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00424	-0.29555	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	SIBLEY 69KV	45.99999	0.00417	-0.29548	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	LAKE ROAD 161KV	111	0.00416	-0.29547	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	LAKE ROAD 34KV	92	0.00416	-0.29547	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	SIBLEY 161KV	231.7419	0.00414	-0.29545	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CHANUTE 69KV	56.037	0.00388	-0.29519	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	MONTROSE 161KV	356.1812	0.00381	-0.29512	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	JUDSON LARGE 115KV	100.66	0.00371	-0.29502	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	GRAY COUNTY WIND FARM 115KV	36	0.0037	-0.29501	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00357	-0.29488	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.00321	-0.29452	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIDW	COLBY 115KV	12.72091	0.00315	-0.29446	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIPU	NEVADA 69KV	18.3	0.00298	-0.29429	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	MARSHALL 161KV	44	0.00286	-0.29417	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	CHAMARRON RIVER 115KV	44	0.00283	-0.29414	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	ASBURY 161KV	191	0.00117	-0.29248	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	LARUSSEL 161KV	100	0.0005	-0.29181	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	RIVERTON 161KV	46	0.0003	-0.29168	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	STATE LINE 161KV	488.2289	0.00032	-0.29163	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	RIVERTON 69KV	43.29102	0.00024	-0.29155	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	OZARK BEACH 161KV	16	0.0001	-0.29141	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	FLINT CREEK 161KV	400	-0.00196	-0.28935	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	FITZHIGH 161KV	109	-0.0022	-0.28911	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	NORTHEASTERN STATION 345KV	625	-0.00233	-0.28898	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	ELLIS 69KV	6.6	-0.00251	-0.2888	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	AES 161KV	320	-0.00257	-0.28874	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	KNOWLES 138KV	284	-0.00271	-0.2886	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	PIRKEY GENERATION 138KV	243	-0.00271	-0.2886	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	LEBROCK 345KV	316.1569	-0.00272	-0.28859	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	EASTMAN 138KV	355.5281	-0.00273	-0.28858	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	WILKES 345KV	308	-0.00277	-0.28854	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	WILKES 138KV	397.0084	-0.00281	-0.2885	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	WELSH 345KV	1044	-0.00301	-0.2883	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	NARROWS 69KV	22	-0.00328	-0.28803	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	DEC 345KV	283.979	-0.0035	-0.28781	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSKOGEE 161KV	166	-0.00353	-0.28776	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSKOGEE 345KV	1548	-0.00369	-0.28762	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	NORTHEASTERN STATION 138KV	488	-0.00388	-0.28743	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	COGENRIT 345KV	200	-0.00403	-0.28728	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	TULSA POWER STATION 138KV	266	-0.00404	-0.28727	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	COMANCHE 138KV	145	-0.007	-0.28431	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	COMANCHE 69KV	60	-0.007	-0.28431	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SEMINOLE 138KV	354.7304	-0.00705	-0.28426	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SEMINOLE 345KV	1019	-0.00715	-0.28416	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00716	-0.28415	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	SOUTHWESTERN STATION 138KV	712	-0.00716	-0.28415	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEPW	WEATHERFORD 34KV	148	-0.00753	-0.28378	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	HORSESHOE LAKE 69KV	16	-0.0076	-0.28371	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	TINKER SG 138KV	80	-0.00766	-0.28365	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	REDDUD 34KV	118.7524	-0.00768	-0.28363	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	HORSESHOE LAKE 138KV	796	-0.00779	-0.28352	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MCLAIN 138KV	470	-0.00785	-0.28346	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SMITH COGEN 138KV	107	-0.00802	-0.28329	4
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSTANG 138KV	351	-0.00808</		

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

WERE	CITY OF ERIE 69KV	24.84	-0.21329	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.24539	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	SEMINOLE 345KV	450.3653	0.03132	-0.24461	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	SEMINOLE 345KV	450.3653	0.03132	-0.24461	7
WERE	CHANUTE 69KV	36.297	-0.21329	OMPA	OMPA-KAW 69KV	19.7209	0.03102	-0.24431	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OMPA	OMPA-KAW 69KV	19.7209	0.03102	-0.24431	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	FLINT CREEK 161KV	400	0.03096	-0.24425	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	FLINT CREEK 161KV	400	0.03096	-0.24425	7
WERE	CHANUTE 69KV	36.297	-0.21329	SWPA	DENISON 138KV	52.81158	0.0306	-0.24389	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SWPA	DENISON 138KV	52.81158	0.0306	-0.24389	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	SWPA	TRUMAN 161KV	90.4772	-0.0235	-0.2437	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	MCCLAIN 138KV	470	0.03022	-0.24351	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	MCCLAIN 138KV	470	0.03022	-0.24351	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	SMITH COGEN 138KV	107	0.03019	-0.24348	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	SMITH COGEN 138KV	107	0.03019	-0.24348	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	ELLIS 69KV	6	0.03013	-0.24342	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	ELLIS 69KV	6	0.03013	-0.24342	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	AES 161KV	320	0.02955	-0.24284	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	AES 161KV	320	0.02955	-0.24284	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	SPGCK1&2 13.200 345KV	10	0.02875	-0.24204	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	SPGCK1&2 13.200 345KV	10	0.02875	-0.24204	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	SOONER 138KV	535	0.02858	-0.24187	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	SOONER 138KV	535	0.02858	-0.24187	7
WERE	CHANUTE 69KV	36.297	-0.21329	WFEC	ANADARKO 138KV	248.8022	0.02783	-0.24112	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	WFEC	ANADARKO 138KV	248.8022	0.02783	-0.24112	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.24079	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.24079	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.24079	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.24079	7
WERE	CHANUTE 69KV	36.297	-0.21329	WFEC	HUGO 138KV	440	0.02731	-0.2406	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	WFEC	HUGO 138KV	440	0.02731	-0.2406	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	COMANCHE 69KV	60	0.02719	-0.24048	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	COMANCHE 69KV	60	0.02719	-0.24048	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	COMANCHE 138KV	145	0.02701	-0.2403	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	COMANCHE 138KV	145	0.02701	-0.2403	7
WERE	CHANUTE 69KV	36.297	-0.21329	SWPA	BROKEN BOW 138KV	82.90421	0.02697	-0.23926	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SWPA	BROKEN BOW 138KV	82.90421	0.02697	-0.23926	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	FITZHUGH 161KV	103	0.02571	-0.239	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	FITZHUGH 161KV	103	0.02571	-0.239	7
WERE	CHANUTE 69KV	36.297	-0.21329	SWPA	OZARK 161KV	139.1037	0.02569	-0.23898	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SWPA	OZARK 161KV	139.1037	0.02569	-0.23898	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	WEATHERFORD 34KV	12	0.02519	-0.23848	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	WEATHERFORD 34KV	12	0.02519	-0.23848	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	CENTENIAL WIND 34KV	30	0.02447	-0.23776	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	CENTENIAL WIND 34KV	30	0.02447	-0.23776	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	FRLWIND2 34KV	21	0.0243	-0.23759	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	FRLWIND2 34KV	21	0.0243	-0.23759	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	MORLND 138KV	307.34	0.02429	-0.23758	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	MORLND 138KV	307.34	0.02429	-0.23758	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	MIFUJ	LAKE ROAD 34KV	60	-0.02979	-0.23741	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACP	MONTROSE 161KV	12.73072	-0.02981	-0.23739	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	SMOKEY HILLS 34KV	126	-0.02999	-0.2373	7
WERE	CHANUTE 69KV	36.297	-0.21329	OKRGE	SOONER 345KV	537	0.02398	-0.23727	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	OKRGE	SOONER 345KV	537	0.02398	-0.23727	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.03089	-0.23631	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	MIFUJ	SIBLEY 161KV	168.7202	-0.03098	-0.23622	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	MIFUJ	SIBLEY 69KV	10	-0.03114	-0.23606	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACP	HAWTHORN 161KV	455	-0.032	-0.2352	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACP	HATAN 345KV	396	-0.0321	-0.235	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	HOLTEN 115KV	6	-0.0323	-0.2349	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	HARPER 138KV	6.14	-0.03259	-0.23461	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03308	-0.23412	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03313	-0.23407	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACY	QUINDARO 69KV	72	-0.03347	-0.23373	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACY	QUINDARO 161KV	94.46529	-0.03348	-0.23372	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	KACY	NEARMAN 20KV	235	-0.03351	-0.23369	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	EMDE	ASBURY 161KV	191	-0.034	-0.23362	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	TEGUMSEH ENERGY CENTER 115KV	133	-0.03401	-0.23315	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	LAWRENCE ENERGY CENTER 230KV	222.5531	-0.03409	-0.23311	7
WERE	CITY OF FREDONIA 69KV	10.294	-0.2672	WERE	EVANS ENERGY CENTER 138KV	418.2581	-0.0346	-0.2328	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	WELSH 345KV	1044	0.0187	-0.23199	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	WELSH 345KV	1044	0.0187	-0.23199	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	WILKES 158KV	241.442	0.01771	-0.231	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	WILKES 138KV	241.442	0.01771	-0.231	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	WILKES 345KV	308	0.01749	-0.23078	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	WILKES 345KV	308	0.01749	-0.23078	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	EASTMAN 138KV	155	0.01723	-0.23052	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	EASTMAN 138KV	155	0.01723	-0.23052	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	LEBROCK 345KV	165	0.01718	-0.23047	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	LEBROCK 345KV	165	0.01718	-0.23047	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	PIRKEY GENERATION 138KV	220	0.01717	-0.23046	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	PIRKEY GENERATION 138KV	220	0.01717	-0.23046	7
WERE	CHANUTE 69KV	36.297	-0.21329	AEPW	KNOXLEE 138KV	164	0.01713	-0.23042	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	AEPW	KNOXLEE 138KV	164	0.01713	-0.23042	7
WERE	CITY OF IOLA 69KV	42.878	-0.17051	SWPA	KEYSTONE DAM 161KV	135.3172	0.05989	-0.23021	7
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	OEC 345KV	89	0.05863	-0.22914	7
WERE	CHANUTE 69KV	36.297	-0.21329	CELE	DOLET HILLS 345KV	370	0.01483	-0.22812	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	CELE	DOLET HILLS 345KV	370	0.01483	-0.22812	7
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	LP-MACK2 69KV	60	0.01364	-0.22693	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	LP-MACK2 69KV	60	0.01364	-0.22693	7
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	JONES 230KV	268.9326	0.01359	-0.22688	7
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	JONES 230KV	268.9326	0.01359	-0.22688	7
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	MUSTANG 115KV	300	0.01257	-0.22586	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	MUSTANG 115KV	300	0.01257	-0.22586	8
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	MUSTANG 230KV	160	0.01252	-0.22581	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	MUSTANG 230KV	160	0.01252	-0.22581	8
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.22579	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.22579	8
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	HOBBS PLT18 000 230KV	202	0.01249	-0.22578	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	HOBBS PLT18 000 230KV	202	0.01249	-0.22578	8
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	CUNNINGHAM 230KV	196	0.01248	-0.22577	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329	SPS	CUNNINGHAM 230KV	196	0.01248	-0.22577	8
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	COGENTRIX 345KV	965	0.05491	-0.22542	7
WERE	CHANUTE 69KV	36.297	-0.21329	SPS	SAN JUAN 230KV	120	0.01232	-0.22531	8
WERE	CITY OF ERIE 69KV	24.84	-0.21329						

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

MIPU	RALPH GREEN 69KV	73.7	-0.03267	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07803	22
KACP	MONTROSE 161KV	454.2693	-0.02981	GRDA	GRDA1 345KV	100	0.04813	-0.07794	22
MIPU	LAKE ROAD 161KV	138	-0.02979	GRDA	GRDA1 345KV	100	0.04813	-0.07792	22
MIPU	LAKE ROAD 34KV	32	-0.02979	GRDA	GRDA1 345KV	100	0.04813	-0.07792	22
WEPL	CLIFTON 115KV	70	-0.03061	GRDA	SALINA 161KV	37.73117	0.04726	-0.07787	22
KACP	MARSHALL 161KV	54.1	-0.02293	AEFPW	COGENTRIX 345KV	965	0.05491	-0.07784	22
WEPL	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07778	22
WEPL	CLIFTON 115KV	70	-0.03061	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07778	22
KACP	NORTHEAST 13KV	277	-0.03237	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07773	22
KACP	NORTHEAST 161KV	277	-0.03237	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07773	22
WEPL	GETTY 69KV	35	-0.05895	AEFPW	WELSH 345KV	1044	0.0187	-0.07765	22
MIPU	TWA 161KV	32.1	-0.03224	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07778	22
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	GRDA	BOOMER 69KV	24	0.04346	-0.07755	22
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	GRDA	BOOMER 69KV	24	0.04346	-0.07751	22
EMDE	ASBURY 161KV	20	-0.034	GRDA	BOOMER 69KV	24	0.04346	-0.07746	22
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	GRDA	BOOMER 69KV	24	0.04346	-0.07743	22
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03307	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07743	22
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	OKGGE	REDBUD 345KV	150	0.03399	-0.0774	22
KACP	HAWTHORN 161KV	455	-0.032	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07736	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	OKGGE	SOOMER 138KV	535	0.02858	-0.07733	22
KACP	MONTROSE 161KV	454.2693	-0.02981	GRDA	SALINA 161KV	37.73117	0.04726	-0.07707	22
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	GRDA	BOOMER 69KV	24	0.04346	-0.07705	22
MIPU	LAKE ROAD 161KV	138	-0.02979	GRDA	SALINA 161KV	37.73117	0.04726	-0.07705	22
MIPU	LAKE ROAD 34KV	32	-0.02979	GRDA	SALINA 161KV	37.73117	0.04726	-0.07705	22
KACP	MONTROSE 161KV	454.2693	-0.02981	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07698	22
KACY	NEARMAN 161KV	80	-0.03351	GRDA	BOOMER 69KV	24	0.04346	-0.07697	22
MIPU	LAKE ROAD 161KV	138	-0.02979	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07696	22
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07696	22
KACY	QUINDARO 161KV	142.5347	-0.03348	GRDA	BOOMER 69KV	24	0.04346	-0.07694	22
KACY	QUINDARO 69KV	105	-0.03347	GRDA	BOOMER 69KV	24	0.04346	-0.07693	22
KACY	KAWI 69KV	242	-0.03346	GRDA	BOOMER 69KV	24	0.04346	-0.07692	22
KACP	BULL CREEK 161KV	413	-0.03699	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.07691	22
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	GRDA	GRDA1 161KV	65.14481	0.04909	-0.07679	22
WEPL	CIMARRON RIVER 115KV	72	-0.01698	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.07667	22
WERE	GETTY 69KV	35	-0.05895	AEFPW	WILKES 138KV	241.4142	0.01771	-0.07666	22
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	GRDA	BOOMER 69KV	24	0.04346	-0.07659	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	WFEC	ANADARKO 138KV	245.8002	0.02783	-0.07658	22
MIPU	ARIES 161KV	595	-0.0331	GRDA	BOOMER 69KV	24	0.04346	-0.07656	22
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	GRDA	BOOMER 69KV	24	0.04346	-0.07654	22
SWPA	JONESBORO 161KV	35.8	0.00141	AEFPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.07653	22
MIDW	pannee 115kv	999	-0.02744	GRDA	GRDA1 161KV	65.14481	0.04909	-0.07653	22
MIPU	SIBLEY 69KV	37.2	-0.03114	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.0765	22
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	OKGGE	HORSESHOE LAKE 69KV	16	0.03306	-0.07647	22
KACP	GETTY 69KV	35	-0.05895	AEFPW	WILKES 345KV	308	0.17428	-0.07644	22
AEFPW	FULTON 115KV	32.99999	0.0156	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07643	22
MIPU	GREENWOOD 161KV	255.8	-0.03293	GRDA	BOOMER 69KV	24	0.04346	-0.07639	22
MIPU	SIBLEY 161KV	81.27985	-0.03099	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07634	22
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	OKGGE	REDBUD 345KV	150	0.03399	-0.07631	22
MIDW	lyons 115kv	999	-0.03093	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07629	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07626	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	AEFPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.07625	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	AEFPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.07625	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07625	22
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07624	22
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.07623	22
WERE	GETTY 69KV	35	-0.05895	AEFPW	EASTMAN 138KV	155	0.01723	-0.07618	22
WERE	GETTY 69KV	35	-0.05895	AEFPW	LEBRONCK 345KV	165	0.01718	-0.07613	22
MIPU	RALPH GREEN 69KV	73.7	-0.03267	GRDA	BOOMER 69KV	24	0.04346	-0.0761	22
WERE	GETTY 69KV	35	-0.05895	AEFPW	PIRKIE GENERATION 138KV	223	0.01717	-0.07612	22
WERE	GETTY 69KV	35	-0.05895	AEFPW	KNOXLEE 138KV	164	0.01713	-0.07608	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	WFEC	HUGO 138KV	440	0.02731	-0.07606	22
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	OKGGE	REDBUD 345KV	150	0.03399	-0.07605	22
WERE	WACO 138KV	30	-0.03613	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.07605	22
AEFPW	ARSENAL HILL 69KV	110	0.01605	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07598	22
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.07598	22
WEPL	CLIFTON 115KV	70	-0.03061	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07597	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	AEFPW	COMANCHE 69KV	50	0.02719	-0.07594	22
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	GRDA	BOOMER 69KV	24	0.04346	-0.0759	22
KACP	NORTHEAST 13KV	277	-0.03237	GRDA	BOOMER 69KV	24	0.04346	-0.07583	22
KACP	NORTHEAST 161KV	277	-0.03237	GRDA	BOOMER 69KV	24	0.04346	-0.07583	22
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	GRDA	GRDA1 345KV	100	0.04813	-0.07577	22
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	AEFPW	COMANCHE 138KV	145	0.02701	-0.07576	22
AEFPW	LIEBERMAN 138KV	272	0.01629	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07574	22
MIPU	TWA 161KV	32.1	-0.03224	GRDA	BOOMER 69KV	24	0.04346	-0.07572	22
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEFPW	OEC 345KV	369	0.05863	-0.07561	22
WERE	CITY OF WINFIELD 69KV	40	-0.01592	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.07561	22
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	OKGGE	HORSESHOE LAKE 138KV	66	0.0322	-0.07561	22
MIDW	pannee 115kv	999	-0.02744	GRDA	GRDA1 345KV	100	0.04813	-0.07557	22
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	GRDA	BOOMER 69KV	24	0.04346	-0.07553	22
MIDW	KNOLL 115KV	75.924	-0.02642	GRDA	GRDA1 161KV	65.14481	0.04909	-0.07551	22
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.07551	22
KACP	HAWTHORN 161KV	455	-0.032	GRDA	BOOMER 69KV	24	0.04346	-0.07546	23
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	OKGGE	HORSESHOE LAKE 69KV	16	0.03306	-0.07538	23
KACP	MONTROSE 161KV	454.2693	-0.02981	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07537	23
MIPU	LAKE ROAD 161KV	138	-0.02979	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07515	23
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGGE	MUSKOGEE 161KV	115	0.04536	-0.07515	23
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	OKGGE	HORSESHOE LAKE 69KV	16	0.03306	-0.07512	23
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	GRDA	SALINA 161KV	37.73117	0.04726	-0.07498	23
AEFPW	KNOXLEE 138KV	289	0.01713	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07498	23
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07497	23
KACP	BULL CREEK 161KV	413	-0.03699	SWPA	EUFULA 138KV	45.2396	0.03787	-0.07486	23
AEFPW	PIRKIE GENERATION 138KV	65	0.01717	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07486	23
KACP	BULL CREEK 161KV	413	-0.03699	SWPA	EUFULA 161KV	61.87923	0.03786	-0.07485	23
AEFPW	LEBRONCK 345KV	532	0.01718	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.07485	23
KACP	EASTMAN 138KV	330.01	0.01723	AEFPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.0748	23
WEPL	SOUTH HARPER 161KV	315	-0.03485	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.07477	23
MIPU	JUDSON LARGE 115KV	69.91309	-0.01989	AEFPW	COGENTRIX 345KV	965	0.05491	-0.07474	23
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	OKGGE	SEMINOLE 345KV	456.3659	0.01332	-0.07473	23
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SWPA	BROKEN BOW 138KV	82.90421	0.02587	-0.07472	23
MIDW	pannee 115kv	999	-0.02744	GRDA	SALINA 161KV	37.73117	0.04726	-0.0747	23
MIDW	pannee 115kv	999	-0.02744	OKGGE	MUSKOGEE 345KV	1548	0.04717	-0.07461	23
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEFPW	OEC 345KV	369	0.05863	-0.07455	23
MIDW	KNOLL 115KV	75.924	-0.02642	GRDA	GRDA1 345KV	100	0.04813	-0.07455	23
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SWPA	WEBBERS FALLS 161KV	34.67628	0.039		

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

MIPU	TWA 161KV	32.1	-0.03224	WFEC	HUGO 138KV	440	0.02731	-0.05855	29
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	AEWP	OEC 345KV	969	0.05863	-0.05954	29
MIDW	bawnee 115kv	999	-0.02744	SWPA	ROBERT S. KERR 161KV	284.7839	0.032	-0.05854	29
MIDW	lyons 115kv	999	-0.03093	OKGE	SOONER 138KV	535	0.02858	-0.05951	29
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	AEWP	LEBROCK 345KV	165	0.01718	-0.05959	29
KACP	HAWTHORN 161KV	455	-0.032	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05959	29
KACP	HAWTHORN 161KV	455	-0.032	AEWP	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05959	29
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	AEWP	PIRKEY GENERATOR 138KV	223	0.01717	-0.05959	29
GRDA	PENSACOLA 161KV	42	0.03254	AEWP	NORTHEASTERN STATION 138KV	468	0.09203	-0.05949	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03099	OKGE	SOONER 138KV	535	0.02858	-0.05948	29
KACY	NEARMAN 161KV	80	-0.03351	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05948	29
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	OKGE	SOONER 138KV	535	0.02858	-0.05948	29
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	OKGE	SOONER 138KV	535	0.02858	-0.05946	29
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	MUSKOGEE 161KV	115	0.04536	-0.05946	29
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEWP	COMANCHE 138KV	145	0.02701	-0.05945	29
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	AEWP	KNOXLEE 138KV	164	0.01713	-0.05945	29
KACY	QUINDARO 161KV	142.5347	-0.03348	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05945	29
KACY	QUINDARO 69KV	105	-0.03347	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05944	29
KACY	KAW 69KV	242	-0.03346	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05943	29
MIPU	TWA 161KV	32.1	-0.03224	AEWP	COMANCHE 69KV	60	0.02719	-0.05943	29
WERE	ABLENE ENERGY CENTER 115KV	68	-0.03207	WFEC	HUGO 138KV	440	0.02731	-0.05938	29
WERE	CITY OF WINFIELD 69KV	40	-0.01592	GRDA	BOOMER 69KV	24	0.04546	-0.05938	29
KACP	NORTHEAST 13KV	277	-0.03237	AEWP	COMANCHE 138KV	145	0.02701	-0.05938	29
KACP	NORTHEAST 161KV	277	-0.03237	AEWP	COMANCHE 138KV	145	0.02701	-0.05938	29
KACP	MONTROSE 161KV	454.2693	-0.02981	OKGE	AES 161KV	320	0.02955	-0.05936	29
MIPU	LAKE ROAD 161KV	136	-0.02979	OKGE	AES 161KV	320	0.02955	-0.05936	29
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGE	AES 161KV	320	0.02955	-0.05934	29
MIPU	SOUTH HARPER 161KV	315	-0.03485	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05932	29
KACP	HAWTHORN 161KV	455	-0.032	WFEC	HUGO 138KV	440	0.02731	-0.05931	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	FITZHUGH 161KV	103	0.02571	-0.05929	29
WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.02531	OKGE	REDBUD 345KV	150	0.03399	-0.05929	29
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	AEWP	EASTMAN 138KV	155	0.01723	-0.05929	29
MIPU	NEVADA 69KV	20.3	-0.0253	OKGE	REDBUD 345KV	150	0.03399	-0.05929	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	OZARK 161KV	139.1037	0.02569	-0.05929	29
WERE	ABLENE ENERGY CENTER 115KV	68	-0.03207	AEWP	COMANCHE 69KV	60	0.02719	-0.05929	29
AEWP	TONTOWN 161KV	346.12	0.03277	AEWP	NORTHEASTERN STATION 138KV	468	0.09203	-0.05926	29
MIPU	TWA 161KV	32.1	-0.03224	AEWP	COMANCHE 138KV	145	0.02701	-0.05925	29
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	AEWP	LEBROCK 345KV	165	0.01718	-0.05924	29
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	AEWP	PIRKEY GENERATOR 138KV	223	0.01717	-0.05923	29
KACY	NEARMAN 161KV	80	-0.03351	AEWP	FITZHUGH 161KV	103	0.02571	-0.05922	29
KACY	NEARMAN 161KV	80	-0.03351	SWPA	OZARK 161KV	139.1037	0.02569	-0.05922	29
KACP	QUINDARO 161KV	142.5347	-0.03348	AEWP	FITZHUGH 161KV	103	0.02571	-0.05919	29
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	AEWP	KNOXLEE 138KV	164	0.01713	-0.05919	29
WEPL	CLIFTON 115KV	70	-0.03061	OKGE	SOONER 138KV	535	0.02858	-0.05919	29
KACP	HAWTHORN 161KV	455	-0.032	AEWP	COMANCHE 69KV	60	0.02719	-0.05919	29
KACY	QUINDARO 69KV	105	-0.03347	AEWP	FITZHUGH 161KV	103	0.02571	-0.05918	29
KACY	KAW 69KV	242	-0.03346	AEWP	FITZHUGH 161KV	103	0.02571	-0.05917	29
KACY	QUINDARO 161KV	142.5347	-0.03348	OKGP	OZARK 161KV	139.1037	0.02569	-0.05917	29
KACY	QUINDARO 69KV	105	-0.03347	SWPA	OZARK 161KV	139.1037	0.02569	-0.05916	29
KACY	KAW 69KV	242	-0.03346	SWPA	OZARK 161KV	139.1037	0.02569	-0.05915	29
MIPU	SOUTH HARPER 161KV	315	-0.03485	OKGE	FPLWIND 2 34KV	21	0.0243	-0.05915	29
MIPU	SOUTH HARPER 161KV	315	-0.03485	WFEC	MORLAND 138KV	307.34	0.02429	-0.05914	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	OZARK 161KV	139.1037	0.02569	-0.05912	29
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05911	29
WERE	ABLENE ENERGY CENTER 115KV	68	-0.03207	AEWP	COMANCHE 138KV	145	0.02701	-0.05908	29
MIPU	ARIES 161KV	595	-0.0331	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05907	29
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05907	29
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	AEWP	BROKEN BOW 138KV	82.90421	0.02597	-0.05905	29
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.05902	29
KACP	HAWTHORN 161KV	455	-0.032	AEWP	COMANCHE 138KV	145	0.02701	-0.05901	29
MIPU	SIBLEY 69KV	37.2	-0.03114	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05897	29
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	MUSKOGEE 161KV	115	0.04536	-0.05894	29
MIPU	GREENWOOD 161KV	255.8	-0.03293	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05893	29
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	OKGE	FPLWIND 2 34KV	21	0.0243	-0.05893	29
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	WFEC	MORLAND 138KV	307.34	0.02429	-0.05889	29
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	AEWP	FITZHUGH 161KV	103	0.02571	-0.05888	29
WERE	SOUTH HARPER 161KV	315	-0.03485	OKGE	SOONER 345KV	535	0.02858	-0.05888	29
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	SWPA	OZARK 161KV	139.1037	0.02569	-0.05882	29
MIPU	ARIES 161KV	595	-0.0331	AEWP	FITZHUGH 161KV	103	0.02571	-0.05881	29
MIPU	SIBLEY 161KV	81.27985	-0.03098	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05881	29
MIPU	ARIES 161KV	595	-0.0331	SWPA	OZARK 161KV	139.1037	0.02569	-0.05879	29
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	AEWP	FITZHUGH 161KV	103	0.02571	-0.05878	29
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SWPA	OZARK 161KV	139.1037	0.02569	-0.05877	29
MIDW	lyons 115kv	999	-0.03093	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05876	29
MIDW	bawnee 115kv	999	-0.02744	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.05876	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03099	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05873	29
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05872	29
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OMPA	OMPA-KAW 69KV	19.7209	0.03102	-0.05872	29
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05871	29
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEWP	FLINT CREEK 161KV	400	0.03096	-0.05869	29
MIPU	GREENWOOD 161KV	255.8	-0.03293	AEWP	FITZHUGH 161KV	103	0.02571	-0.05866	29
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05864	29
MIPU	SIBLEY 69KV	37.2	-0.03114	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05864	29
MIPU	SIBLEY 69KV	37.2	-0.03114	AEWP	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05864	29
MIPU	GREENWOOD 161KV	255.8	-0.03293	SWPA	OZARK 161KV	139.1037	0.02569	-0.05862	29
MIDW	KNOLL 115KV	75.924	-0.02642	OKGE	HORSESHOE LAKE 138KV	66	0.0322	-0.05862	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	CELE	RODEMACHER 230KV	691	0.00984	-0.05859	29
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	OKGE	SOONER 345KV	537	0.02398	-0.05858	29
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05856	29
MIDW	KNOLL 115KV	75.924	-0.02642	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.05852	29
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05852	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	STEER WATER 115KV	80	0.00974	-0.05849	29
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05848	29
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEWP	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05848	29
EMDE	ASBURY 161KV	20	-0.034	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05847	29
MIDW	bawnee 115kv	999	-0.02744	OMPA	OMPA-KAW 69KV	19.7209	0.03102	-0.05846	29
MIPU	SIBLEY 69KV	37.2	-0.03114	WFEC	HUGO 138KV	440	0.02731	-0.05845	29
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05845	29
WEPL	CLIFTON 115KV	70	-0.03061	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05844	29
MIDW	lyons 115kv	999	-0.03093	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05843	29
MIDW	lyons 115kv	999	-0.03093	AEWP	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05843	29
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05841	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03099	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05841	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03099	AEWP	SOUTHWESTERN STATION 138KV	145			

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

WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	FITZHUGH 161KV	103	0.02571	-0.05815	29
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SWPA	OZARK 161KV	130.1037	0.02569	-0.05813	29
MIDW	Byons 115KV	999	-0.03093	AEPW	COMANCHE 69KV	60	0.02719	-0.05812	29
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05811	29
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05811	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	COMANCHE 69KV	60	0.02719	-0.05809	29
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	FITZHUGH 161KV	103	0.02571	-0.05808	29
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	FITZHUGH 161KV	103	0.02571	-0.05808	29
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	COMANCHE 69KV	60	0.02719	-0.05808	29
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	OKGE	SOONER 345KV	537	0.02398	-0.05807	29
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	COMANCHE 69KV	60	0.02719	-0.05807	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05806	29
KACP	NORTHEAST 13KV	277	-0.03237	SWPA	OZARK 161KV	130.1037	0.02569	-0.05806	29
KACP	NORTHEAST 161KV	277	-0.03237	SWPA	OZARK 161KV	130.1037	0.02569	-0.05806	29
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05804	29
WERE	GETTY 69KV	35	-0.06895	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.05804	29
WERE	REDBUD 345KV	1050	-0.03399	AEPW	NORTHEASTERN STATION 138KV	468	0.02623	-0.05804	29
MIDW	pannee 115KV	999	-0.02744	SWPA	DENISON 138KV	52.81158	0.0306	-0.05804	29
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	OKGE	SOONER 345KV	537	0.02398	-0.05803	29
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	COMANCHE 138KV	145	0.02701	-0.05799	29
EMDE	ASBURY 161KV	20	-0.03	OKGE	SOONER 345KV	537	0.02398	-0.05798	29
KACY	NEARMAN 161KV	80	-0.03351	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05798	29
KACP	HAWTHORN 161KV	455	-0.032	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05797	29
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	OKGE	SOONER 345KV	537	0.02398	-0.05796	29
KACY	QUINDARO 161KV	142.5347	-0.03348	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05795	29
KACP	TWA 161KV	32.11	-0.0324	OKGE	FITZHUGH 161KV	103	0.02571	-0.05795	29
MIDW	Byons 115KV	999	-0.03093	AEPW	COMANCHE 138KV	145	0.02701	-0.05794	29
KACY	QUINDARO 69KV	105	-0.03347	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05794	29
KACY	KAW 69KV	242	-0.03346	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05793	29
MIPU	TWA 161KV	32.11	-0.0324	SWPA	OZARK 161KV	130.1037	0.02569	-0.05793	29
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OKGE	MCCLAIN 138KV	470	0.03022	-0.05792	29
WEPL	CLIFTON 115KV	70	-0.03061	WFEC	HUGO 138KV	440	0.02731	-0.05792	29
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	COMANCHE 138KV	145	0.02701	-0.05791	29
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	COMANCHE 138KV	145	0.02701	-0.05791	29
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OKGE	SMITH COGEN 138KV	107	0.03019	-0.05791	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	OKGE	FPLWIND2 34KV	21	0.0243	-0.05789	29
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	COMANCHE 138KV	145	0.02701	-0.05789	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	WFEC	MORLND 138KV	307.34	0.02429	-0.05788	29
KACY	NEARMAN 161KV	80	-0.03351	OKGE	FPLWIND2 34KV	21	0.0243	-0.05787	29
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	COMANCHE 69KV	60	0.02719	-0.0578	29
KACY	NEARMAN 161KV	80	-0.03351	WFEC	MORLND 138KV	307.34	0.02429	-0.0578	29
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	FITZHUGH 161KV	103	0.02571	-0.05778	29
KACY	QUINDARO 161KV	142.5347	-0.03348	OKGE	FPLWIND2 34KV	21	0.0243	-0.05778	29
KACY	QUINDARO 69KV	142.5347	-0.03348	WFEC	MORLND 138KV	307.34	0.02429	-0.05778	29
KACY	QUINDARO 69KV	105	-0.03347	OKGE	FPLWIND2 34KV	21	0.0243	-0.05777	29
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SWPA	OZARK 161KV	130.1037	0.02569	-0.05776	29
KACY	QUINDARO 69KV	105	-0.03347	WFEC	MORLND 138KV	307.34	0.02429	-0.05776	29
KACY	KAW 69KV	242	-0.03346	OKGE	FPLWIND2 34KV	21	0.0243	-0.05776	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	CELE	EVANGELINE 230KV	194	0.009	-0.05775	29
KACY	KAW 69KV	242	-0.03346	WFEC	MORLND 138KV	307.34	0.02429	-0.05775	29
MIDW	KNOLL 115KV	75.924	-0.02642	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.05774	29
KACP	HAWTHORN 161KV	455	-0.032	AEPW	FITZHUGH 161KV	103	0.02571	-0.05771	29
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	EUFALLA 115KV	45.2396	0.0378	-0.0577	29
KACP	HAWTHORN 161KV	455	-0.032	SWPA	OZARK 161KV	130.1037	0.02569	-0.05769	29
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	EUFALLA 161KV	61.87923	0.03786	-0.05769	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	BLACKHAWK 115KV	220	0.00892	-0.05767	29
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	CELE	EVANGELINE 138KV	155	0.00891	-0.05766	29
MIDW	pannee 115KV	999	-0.02744	OKGE	MCCLAIN 138KV	470	0.03022	-0.05766	29
KACP	MONTROSE 161KV	454.2693	-0.02981	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05764	29
MIDW	pannee 115KV	999	-0.02744	OKGE	SMITH COGEN 138KV	107	0.03019	-0.05763	29
MIPU	LAKE ROAD 161KV	136	-0.02979	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05762	29
MIPU	LAKE ROAD 34KV	32	-0.02979	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05762	29
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	COMANCHE 138KV	145	0.02701	-0.05762	29
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.0576	29
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	OKGE	SOONER 345KV	537	0.02398	-0.05757	30
MIPU	ARIES 161KV	595	-0.0331	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05757	30
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	SOONER 69KV	24	0.04346	-0.0576	30
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05755	30
WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.02531	OKGE	HORSESHOE LAKE 138KV	166	0.0322	-0.05751	30
KACY	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	HANSFORD 115KV	80	0.00875	-0.0575	30
MIPU	NEVADA 69KV	20.3	-0.0253	OKGE	HORSESHOE LAKE 138KV	166	0.0322	-0.05749	30
KACY	NEARMAN 161KV	80	-0.03351	OKGE	SOONER 345KV	537	0.02398	-0.05749	30
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGE	REDBUD 345KV	150	0.03399	-0.05749	30
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	HARRINGTON 230KV	706	0.00873	-0.05748	30
KACY	QUINDARO 161KV	142.5347	-0.03348	OKGE	SOONER 345KV	537	0.02398	-0.05746	30
KACY	CITY OF AUGUSTA 69KV	24.89	-0.04875	SPS	TEXAS COUNTY 115KV	20	0.068	-0.05745	30
KACY	QUINDARO 69KV	105	-0.03347	OKGE	SOONER 345KV	537	0.02398	-0.05745	30
KACY	KAW 69KV	242	-0.03346	OKGE	SOONER 345KV	537	0.02398	-0.05744	30
MIDW	KNOLL 115KV	75.924	-0.02642	OKGE	OMPA-KAW 69KV	19.7209	0.03102	-0.05744	30
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	OKGE	FPLWIND2 34KV	21	0.0243	-0.05743	30
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	WFEC	MORLND 138KV	307.34	0.02429	-0.05742	30
WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.02531	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.05741	30
MIPU	GREENWOOD 161KV	255.8	-0.03293	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.0574	30
MIPU	ARIES 161KV	595	-0.0331	OKGE	FPLWIND2 34KV	21	0.0243	-0.0574	30
MIPU	NEVADA 69KV	20.3	-0.0253	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.0574	30
MIPU	ARIES 161KV	595	-0.0331	WFEC	MORLND 138KV	307.34	0.02429	-0.05739	30
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	OKGE	FPLWIND2 34KV	21	0.0243	-0.05738	30
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	FLINT CREEK 161KV	400	0.03096	-0.05738	30
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	WFEC	MORLND 138KV	307.34	0.02429	-0.05737	30
AEPW	NARROWS 69KV	30	-0.02059	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.05735	30
KACP	MONTROSE 161KV	454.2693	-0.02981	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05731	30
KACP	MONTROSE 161KV	454.2693	-0.02981	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05731	30
MIPU	LAKE ROAD 161KV	136	-0.02979	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05729	30
MIPU	LAKE ROAD 161KV	136	-0.02979	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05729	30
MIPU	LAKE ROAD 34KV	32	-0.02979	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05729	30
KACP	LAKE ROAD 34KV	32	-0.02979	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05729	30
MIPU	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OKGE	AES 161KV	320	0.02955	-0.05725	30
MIPU	GREENWOOD 161KV	255.8	-0.03293	OKGE	FPLWIND2 34KV	21	0.0243	-0.05723	30
MIPU	GREENWOOD 161KV	255.8	-0.03293	WFEC	MORLND 138KV	307.34	0.02429	-0.05722	30
SWPA	JONESBORO 161KV	35.8	-0.00141	AEPW	DEC 345KV	369	0.05863	-0.05722	30
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	CELE	DOLET HILLS 345KV	370	0.01483	-0.05715	30
MIPU	RALPH GREEN 69KV	73.7	-0.03267	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.05714	30
KACP	MONTROSE 161KV	454.2693	-0.02981	WFEC	HUGO 138KV	440	0.02731	-0.05712	30
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	OKGE	SOONER 345KV	537	0.02398	-0.05711	30
MIPU	SIBLEY 69KV	37.2	-0.03114	SWPA	BROKEN BOW 138KV	82.904			

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

WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	CUNNINGHAM 230KV	196	0.01248	-0.05454	31
KACP	BULL CREEK 161KV	413	-0.03699	AEPWF	WILKES 345KV	308	0.01749	-0.05448	31
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEPWF	FLINT CREEK 161KV	400	0.03085	-0.05446	31
MIDW	paamee 115kv	999	-0.02744	AEPWF	COMANCHE 138KV	145	0.02701	-0.05445	31
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	SAN JUAN 230KV	120	0.01202	-0.05434	31
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	TOLK 230KV	1017.828	0.01198	-0.05433	31
MIPU	MONTROSE 161KV	454.2693	-0.02981	OKGCE	CENTENIAL WIND 34KV	30	0.02447	-0.05428	31
MIPU	LAKE ROAD 161KV	136	-0.02979	OKGCE	CENTENIAL WIND 34KV	30	0.02447	-0.05428	31
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGCE	CENTENIAL WIND 34KV	30	0.02447	-0.05426	31
MIDW	KNOLL 115KV	75.924	-0.02642	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05425	31
KACP	MARSHALL 161KV	54.1	-0.02293	OKGCE	SEMINOLE 345KV	450.3653	0.03132	-0.05425	31
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SWPA	BEAVER 161KV	128.3201	0.01192	-0.05424	31
KACP	BULL CREEK 161KV	413	-0.03699	AEPWF	EASTMAN 138KV	155	0.01723	-0.05422	31
OKGCE	SOUTH 4TH ST 69KV	42.7	-0.02376	AEPWF	NORTHEASTERN STATION 345KV	625	0.07794	-0.05418	31
KACP	BULL CREEK 161KV	413	-0.03699	AEPWF	LEBROCK 345KV	165	0.01718	-0.05417	31
KACP	BULL CREEK 161KV	413	-0.03699	AEPWF	PIRKEY GENERATION 138KV	223	0.01717	-0.05416	31
KACP	BULL CREEK 161KV	413	-0.03699	AEPWF	KNOXLEE 138KV	164	0.01713	-0.05412	31
KACP	MONTROSE 161KV	454.2693	-0.02981	OKGCE	FPLWIND 234KV	21	0.0243	-0.05411	31
KACP	MONTROSE 161KV	454.2693	-0.02981	WFEC	MORLIND 138KV	307.34	0.02429	-0.05411	31
SWPA	TRUMAN 161KV	89.52281	-0.0235	SWPA	DENISON 138KV	52.81158	0.0306	-0.0541	31
MIPU	LAKE ROAD 161KV	136	-0.02979	OKGCE	FPLWIND 234KV	21	0.0243	-0.05409	31
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGCE	FPLWIND 234KV	21	0.0243	-0.05409	31
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	SAN JUAN 230KV	120	0.01202	-0.05408	31
MIPU	LAKE ROAD 161KV	136	-0.02979	WFEC	MORLIND 138KV	307.34	0.02429	-0.05408	31
MIPU	LAKE ROAD 34KV	32	-0.02979	WFEC	MORLIND 138KV	307.34	0.02429	-0.05408	31
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	CAPROCK 6KV	80	0.01172	-0.05404	31
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	TOLK 230KV	1017.828	0.01198	-0.05404	31
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	WILKES 138KV	241.442	0.01771	-0.05402	31
EMDE	RIVERTON 161KV	295	-0.0141	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.05402	31
KACP	CITY OF BURLINGTON 69KV	59.5	-0.04206	SWPA	BEAVER 161KV	128.3201	0.01192	-0.05399	31
MIDW	KNOLL 115KV	75.924	-0.02642	AEPWF	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05392	32
MIDW	KNOLL 115KV	75.924	-0.02642	AEPWF	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05392	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	OKGCE	SOONER 138KV	535	0.02858	-0.05389	32
KACP	MARSHALL 161KV	54.1	-0.02293	AEPWF	FLINT CREEK 161KV	400	0.03096	-0.05389	32
KACP	WACO 138KV	30	-0.03613	AEPWF	WILKES 138KV	241.442	0.01771	-0.05384	32
WERE	JUDSON LARGE 115KV	69.91309	-0.01983	OKGCE	REDDUB 345KV	150	0.03399	-0.05382	32
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	WILKES 345KV	308	0.01749	-0.0538	32
WERE	CITY OF WINFIELD 69KV	40	-0.01992	SWPA	EUFALLA 138KV	45.2396	0.03787	-0.05379	32
KACP	MONTROSE 161KV	454.2693	-0.02981	OKGCE	SOONER 345KV	537	0.02388	-0.05378	32
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	CAPROCK 6KV	80	0.01172	-0.05378	32
WERE	CITY OF WINFIELD 69KV	40	-0.01992	SWPA	EUFALLA 161KV	61.87923	0.03786	-0.05378	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	CZ 69KV	37.283	0.01037	-0.05378	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	WILKES 138KV	241.442	0.01771	-0.05377	32
MIPU	LAKE ROAD 161KV	136	-0.02979	OKGCE	SOONER 345KV	537	0.02388	-0.05377	32
MIPU	LAKE ROAD 34KV	32	-0.02979	OKGCE	SOONER 345KV	537	0.02388	-0.05377	32
MIDW	KNOLL 115KV	75.924	-0.02642	WFEC	HUGO 138KV	440	0.02731	-0.05373	32
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGCE	MCCLAIN 138KV	470	0.03022	-0.05372	32
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGCE	SMITH COGEN 138KV	107	0.03519	-0.05369	32
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05367	32
WERE	WACO 138KV	30	-0.03613	AEPWF	WILKES 345KV	308	0.01749	-0.05362	32
MIDW	KNOLL 115KV	75.924	-0.02642	AEPWF	COMANCHE 69KV	60	0.02719	-0.05361	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	WILKES 345KV	308	0.01749	-0.05355	32
MIPU	SOUTH HARPER 161KV	315	-0.03485	AEPWF	WELSH 345KV	1044	0.0187	-0.05355	32
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	EASTMAN 138KV	155	0.01723	-0.05354	32
KACP	MARSHALL 161KV	54.1	-0.02293	SWPA	DENISON 138KV	52.81158	0.0306	-0.05353	32
SWPA	JONESBORO 161KV	35.8	-0.00141	AEPWF	COGENTRIX 345KV	965	0.06491	-0.0535	32
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.0535	32
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	LEBROCK 345KV	165	0.01718	-0.0534	32
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	PIRKEY GENERATION 138KV	223	0.01717	-0.05348	32
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	AEPWF	KNOXLEE 138KV	164	0.01713	-0.05344	32
MIDW	KNOLL 115KV	75.924	-0.02642	AEPWF	COMANCHE 138KV	145	0.02701	-0.05343	32
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEPWF	FITZHUGH 161KV	103	0.02571	-0.05341	32
MIDW	paamee 115kv	999	-0.02744	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05341	32
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SWPA	OZARK 161KV	139.1037	0.02569	-0.05339	32
WERE	WACO 138KV	30	-0.03613	AEPWF	EASTMAN 138KV	155	0.01723	-0.05336	32
WERE	WACO 138KV	30	-0.03613	AEPWF	LEBROCK 345KV	165	0.01718	-0.05331	32
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	AEPWF	WELSH 345KV	1044	0.0187	-0.0533	32
WERE	WACO 138KV	30	-0.03613	AEPWF	PIRKEY GENERATION 138KV	223	0.01717	-0.0533	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	EASTMAN 138KV	155	0.01723	-0.05329	32
WERE	WACO 138KV	30	-0.03613	AEPWF	KNOXLEE 138KV	164	0.01713	-0.05328	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	RODEMACHER 230KV	631	0.00989	-0.05328	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	LEBROCK 345KV	165	0.01718	-0.05324	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	PIRKEY GENERATION 138KV	223	0.01717	-0.05323	32
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	AEPWF	KNOXLEE 138KV	164	0.01713	-0.05319	32
KACP	MARSHALL 161KV	54.1	-0.02293	OKGCE	MCCLAIN 138KV	470	0.03022	-0.05315	32
MIDW	paamee 115kv	999	-0.02744	SWPA	FITZHUGH 161KV	103	0.02571	-0.05315	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	STEER WATER 115KV	80	0.00974	-0.05315	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05314	32
MIDW	paamee 115kv	999	-0.02744	SWPA	OZARK 161KV	139.1037	0.02569	-0.05313	32
KACP	MARSHALL 161KV	54.1	-0.02293	OKGCE	SMITH COGEN 138KV	107	0.03519	-0.05312	32
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGCE	AES 161KV	320	0.02955	-0.05305	32
LEPA	IRION SUB 230KV	44	-0.00678	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05291	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	AEPWF	SOUTHWESTERN STATION 138KV	173	0.0275	-0.05281	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	AEPWF	SOUTHWESTERN STATION 138KV	145	0.0275	-0.05281	32
EMDE	STATE LINE 161KV	223.44077	-0.01289	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.05281	32
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEPWF	WELSH 345KV	1044	0.0187	-0.05279	32
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEPWF	WELSH 345KV	1044	0.0187	-0.05275	32
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	CZ 69KV	37.283	0.01037	-0.05269	32
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEPWF	WELSH 345KV	1044	0.0187	-0.05268	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	WFEC	HUGO 138KV	440	0.02731	-0.05262	32
MIPU	SOUTH HARPER 161KV	315	-0.03485	AEPWF	WILKES 138KV	241.442	0.01771	-0.05256	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	AEPWF	COMANCHE 69KV	60	0.02719	-0.05252	32
KACP	MARSHALL 161KV	54.1	-0.02293	OKGCE	AES 161KV	320	0.02955	-0.05248	32
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	CZ 69KV	37.283	0.01037	-0.05243	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	EVANGELINE 230KV	194	0.009	-0.05241	32
MIDW	KNOLL 115KV	75.924	-0.02642	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05239	32
MIPU	SOUTH HARPER 161KV	315	-0.03485	AEPWF	WILKES 345KV	308	0.01749	-0.05234	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	BLACKHAWK 115KV	229	0.00892	-0.0523	32
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	AEPWF	COMANCHE 138KV	145	0.02701	-0.05232	32
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SPS	EVANGELINE 138KV	155	0.00891	-0.05232	32
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	AEPWF	WILKES 138KV	241.442	0.01771	-0.05231	32
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEPWF	WELSH 345KV	1044	0.0187	-0.05231	32
SWPA	OZARK 161KV	56.39631	-0.02569	AEPWF	NORTHEASTERN STATION 345KV	625	0.07794	-0.05225	32
AEPWF	FITZHUGH 161KV	23							

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

WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	WILKES 138KV	241.442	0.01771	-0.0518	33
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	AEWP	LEBROCK 345KV	165	0.01718	-0.05178	33
WERE	JEFFREY ENERGY CENTER 345KV	423	-0.03308	AEWP	WELSH 345KV	1044	0.0187	-0.05178	33
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05177	33
CELE	TECHE 138KV	257.4614	0.00792	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05177	33
CELE	TECHE 34KV	23	0.00792	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05177	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	WILKES 138KV	241.442	0.01771	-0.05176	33
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	AEWP	KNOXLEE 138KV	164	0.01713	-0.05173	33
MIDW	paawee 115kv	999	-0.02744	WFEC	MORLND 138KV	307.34	0.02429	-0.05173	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	WILKES 138KV	241.442	0.01771	-0.05169	33
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	OKGE	SOONER 345KV	537	0.02398	-0.05168	33
MIPU	GREENWOOD 161KV	255.8	-0.03293	AEWP	WELSH 345KV	1044	0.0187	-0.05166	33
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	WILKES 345KV	308	0.01749	-0.05158	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	WILKES 345KV	308	0.01749	-0.05154	33
KACP	MARSHALL 161KV	54.1	-0.02293	OKGE	SOONER 138KV	535	0.02858	-0.05151	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	WILKES 345KV	308	0.01749	-0.05147	33
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	EUFULA 138KV	45.2396	0.03787	-0.05145	33
CELE	ACADIA 138KV	1322	0.00825	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05144	33
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	EUFULA 161KV	61.87923	0.03786	-0.05144	33
MIDW	paawee 115kv	999	-0.02744	OKGE	SOONER 345KV	537	0.02398	-0.05142	33
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEWP	WELSH 345KV	1044	0.0187	-0.05137	33
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	CELE	TECHE 138KV	114.5398	0.00792	-0.05133	33
SWPA	TRUMAN 161KV	89.52281	-0.0235	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05133	33
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	EASTMAN 138KV	155	0.01723	-0.05132	33
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	CELE	EVANGELINE 230KV	194	0.009	-0.05132	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	WILKES 138KV	241.442	0.01718	-0.05123	33
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.05123	33
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.05128	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	EASTMAN 138KV	155	0.01723	-0.05128	33
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	LEBROCK 345KV	165	0.01723	-0.05127	33
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05126	33
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	BLACKHAWK 115KV	220	0.00892	-0.05124	33
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	CELE	EVANGELINE 138KV	155	0.00891	-0.05123	33
KACP	SPS	48	0.00846	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05123	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	LEBROCK 345KV	165	0.01713	-0.05123	33
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	AEWP	KNOXLEE 138KV	164	0.01713	-0.05122	33
KACY	NEARMAN 161KV	80	-0.03351	AEWP	WILKES 138KV	241.442	0.01771	-0.05122	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05122	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	EASTMAN 138KV	155	0.01723	-0.05121	33
KACY	QUINDARO 161KV	142.5347	-0.03348	AEWP	WILKES 138KV	241.442	0.01771	-0.05119	33
KACY	QUINDARO 69KV	105	-0.03347	AEWP	WILKES 138KV	241.442	0.01771	-0.05118	33
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	AEWP	KNOXLEE 138KV	164	0.01713	-0.05118	33
KACP	KAW 69KV	242	-0.03346	AEWP	WILKES 138KV	241.442	0.01771	-0.05117	33
LEPA	BAYOU RAMOS 138KV	36.99784	0.00747	AEWP	OC 345KV	369	0.05863	-0.05116	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	LEBROCK 345KV	165	0.01718	-0.05116	33
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.05115	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05115	33
WERE	SILA ENERGY CENTER 138KV	2885	-0.03831	CELE	DOLET HILLS 345KV	370	0.01483	-0.05114	33
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEWP	WELSH 345KV	1044	0.0187	-0.05114	33
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	AEWP	KNOXLEE 138KV	164	0.01713	-0.05111	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	WILKES 345KV	308	0.01749	-0.05108	33
KACP	NORTH EAST 13KV	277	-0.03237	AEWP	WELSH 345KV	1044	0.0187	-0.05107	33
KACP	NORTH EAST 161KV	277	-0.03237	AEWP	WELSH 345KV	1044	0.0187	-0.05107	33
SWPA	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	HANSFORD 115KV	80	0.00875	-0.05107	33
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	CELE	EVANGELINE 230KV	194	0.009	-0.05106	33
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SPS	HARRINGTON 230KV	706	0.00873	-0.05105	33
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	AEWP	FTZHUGH 161KV	105	0.02571	-0.05102	33
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SWPA	OZARK 161KV	139.037	0.00569	-0.05101	33
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEWP	SOUTHWESTERN STATION 138KV	173	0.0275	-0.051	33
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEWP	SOUTHWESTERN STATION 138KV	145	0.0275	-0.051	33
KACY	NEARMAN 161KV	80	-0.03351	AEWP	WILKES 345KV	308	0.01749	-0.051	33
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	BLACKHAWK 115KV	220	0.00892	-0.05098	33
WEPL	CIMARRON RIVER 115KV	72	-0.01698	OKGE	REDBUD 345KV	150	0.03399	-0.05097	33
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	CELE	EVANGELINE 138KV	155	0.00891	-0.05097	33
KACY	QUINDARO 161KV	142.5347	-0.03348	AEWP	WILKES 345KV	308	0.01749	-0.05097	33
WERE	WACO 138KV	30	-0.03613	CELE	DOLET HILLS 345KV	370	0.01483	-0.05096	33
SPS	HARRINGTON 230KV	380	0.00873	AEWP	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05096	33
KACY	QUINDARO 69KV	105	-0.03347	AEWP	WILKES 345KV	308	0.01749	-0.05096	33
KACY	KAW 69KV	242	-0.03346	AEWP	WILKES 345KV	308	0.01749	-0.05095	33
MIDW	TWA 161KV	321	-0.03224	AEWP	WELSH 345KV	1044	0.0187	-0.05094	33
WERE	SILA ENERGY CENTER 69KV	118	-0.03826	AEWP	DOLET HILLS 345KV	370	0.01483	-0.05089	33
MIPU	KNOLL 115KV	75.924	-0.02642	OKGE	CENTENAL WIND 34KV	30	0.02447	-0.05089	33
SPS	NICHOLS 230KV	244	0.00881	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05088	33
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	AEWP	WILKES 138KV	241.442	0.01771	-0.05084	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	EASTMAN 138KV	155	0.01723	-0.05082	33
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	HANSFORD 115KV	80	0.00875	-0.05081	33
SWPA	TRUMAN 161KV	89.52281	-0.0235	WFEC	HUGO 138KV	440	0.02731	-0.05081	33
MIPU	ARIES 161KV	595	-0.0331	AEWP	WILKES 138KV	241.442	0.01771	-0.05081	33
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SPS	HARRINGTON 230KV	706	0.00873	-0.05079	33
WERE	JEFFREY ENERGY CENTER 345KV	423	-0.03308	AEWP	WILKES 138KV	241.442	0.01771	-0.05078	33
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEWP	FLINT CREEK 161KV	400	0.03096	-0.05075	33
CELE	EVANGELINE 138KV	157	0.00891	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05078	33
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEWP	WELSH 345KV	1044	0.0187	-0.05077	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	LEBROCK 345KV	165	0.01718	-0.05077	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05076	33
KACP	MARSHALL 161KV	54.1	-0.02293	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.05076	33
SPS	RIVERVIEW 69KV	23	0.00893	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05076	33
EMDE	STATE LINE 161KV	223.4407	-0.01289	SWPA	EUFULA 138KV	45.2396	0.03787	-0.05076	33
EMDE	STATE LINE 161KV	223.4407	-0.01289	SWPA	EUFULA 161KV	61.87923	0.03786	-0.05076	33
SWPA	GREERS FERRY 161KV	27.08579	0.00789	AEWP	OC 345KV	369	0.05863	-0.05074	33
KACY	NEARMAN 161KV	80	-0.03351	AEWP	EASTMAN 138KV	155	0.01723	-0.05074	33
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	AEWP	KNOXLEE 138KV	164	0.01713	-0.05072	33
KACY	QUINDARO 161KV	142.5347	-0.03348	AEWP	EASTMAN 138KV	155	0.01723	-0.05071	33
CELE	TECHE 138KV	257.4614	0.00792	AEWP	OC 345KV	369	0.05863	-0.05071	33
KACY	TECHE 34KV	23	0.00792	AEWP	OC 345KV	369	0.05863	-0.05071	33
MIDW	KNOLL 115KV	75.924	-0.02642	WFEC	MORLND 138KV	307.34	0.02429	-0.05071	33
KACP	HAWTHORN 161KV	456	-0.032	AEWP	WELSH 345KV	1044	0.0187	-0.05071	34
KACY	QUINDARO 69KV	105	-0.03347	AEWP	EASTMAN 138KV	223	0.01717	-0.05067	34
CELE	EVANGELINE 230KV	231	0.009	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.05069	34
KACY	KAW 69KV	242	-0.03346	AEWP	EASTMAN 138KV	155	0.01723	-0.05069	34
KACY	NEARMAN 161KV	80	-0.03351	AEWP	LEBROCK 345KV	165	0.01718	-0.05069	34
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEWP	COMANCHE 69KV	80	0.02719	-0.05069	34
KACY	NEARMAN 161KV	80	-0.03351	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.05068	34
KACY	QUINDARO								

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

WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	AEPW	KNOXLEE 138KV	164	0.01713	-0.05026	34
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	AEPW	LEBROCK 345KV	165	0.01718	-0.05026	34
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.05025	34
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	CELE	TECHE 138KV	114.5396	0.00792	-0.05024	34
KACP	MARSHALL 161KV	54.1	-0.02293	WFEC	HUGO 138KV	440	0.02731	-0.05024	34
MIPU	ARIES 161KV	595	-0.0331	AEPW	KNOXLEE 138KV	164	0.01713	-0.05023	34
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.05021	34
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	AEPW	KNOXLEE 138KV	164	0.01713	-0.05021	34
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	LEPA	CITY OF HOUMA SUB 115KV	67	0.00678	-0.05019	34
SPS	MOORE COUNTY 115KV	48	0.00846	AEPW	DEC 345KV	369	0.05863	-0.05017	34
MIPU	CITY OF AUGUSTA 69KV	24.89	-0.04875	SWPA	JONESBORO 161KV	48	0.00141	-0.05016	34
SWPA	KENNETT 69KV	29	-0.00107	GRDA	GRDA1 161KV	65.14481	0.04909	-0.05016	34
WERE	GREENWOOD 161KV	255.8	-0.03293	AEPW	EASTMAN 138KV	155	0.01723	-0.05016	34
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEPW	WILKES 345KV	308	0.01749	-0.05016	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	WILKES 138KV	241.442	0.01771	-0.05015	34
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	COMANCHE 69KV	60	0.02719	-0.05012	34
MIPU	GREENWOOD 161KV	255.8	-0.03293	AEPW	LEBROCK 345KV	165	0.01718	-0.05011	34
WFEC	ANADARKO 138KV	126.1978	0.02783	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.05011	34
MIPU	GREENWOOD 161KV	255.8	-0.03293	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.05011	34
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	SWPA	KEYSTONE DAM 161KV	135.3712	0.05969	-0.05011	34
WFEC	ANADARKO 69KV	78	0.02765	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.05009	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	WILKES 138KV	241.442	0.01771	-0.05008	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	WILKES 138KV	241.442	0.01771	-0.05008	34
MIPU	GREENWOOD 161KV	255.8	-0.03293	AEPW	KNOXLEE 138KV	164	0.01713	-0.05006	34
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	MCCLELLAN 138KV	470	0.03022	-0.05005	34
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	SMITH COGEN 138KV	107	0.02509	-0.05002	34
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	GRDA	GRDA1 161KV	65.14481	0.04909	-0.05	34
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	CELE	TECHE 138KV	114.5396	0.00792	-0.04998	34
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04995	34
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	LP-MACK 69KV	60	0.01364	-0.04995	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	WILKES 138KV	241.442	0.01771	-0.04995	34
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	COMANCHE 138KV	145	0.02701	-0.04994	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	WILKES 345KV	308	0.01749	-0.04993	34
WERE	CITY OF WINFIELD 69KV	40	-0.01592	OKGE	REDEUD 345KV	150	0.03399	-0.04991	34
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	JONES 230KV	268.9326	0.01359	-0.04989	34
SPS	HARRINGTON 230KV	360	0.00873	AEPW	DEC 345KV	369	0.05863	-0.0499	34
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEPW	EASTMAN 138KV	155	0.01723	-0.0499	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	WILKES 345KV	308	0.01749	-0.04986	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	WILKES 345KV	308	0.01749	-0.04986	34
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEPW	LEBROCK 345KV	165	0.01718	-0.04985	34
CELE	RODEMACHER 230KV	498	0.00884	SWPA	KEYSTONE DAM 161KV	135.3712	0.05969	-0.04985	34
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04984	34
MIPU	SIBLEY 69KV	37.2	-0.03114	AEPW	WILKES 345KV	1044	0.0187	-0.04984	34
SPS	NICHOLS 230KV	244	0.00881	AEPW	DEC 345KV	369	0.05863	-0.04982	34
MIPU	RALPH GREEN 69KV	73.7	-0.03267	AEPW	KNOXLEE 138KV	164	0.01713	-0.0498	34
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	WILKES 138KV	241.442	0.01771	-0.04978	34
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	OKGE	CENTRAL WIND 34KV	30	0.02447	-0.04978	34
WEPL	WACO 138KV	30	-0.03613	SPS	LP-MACK 69KV	60	0.01364	-0.04977	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	WILKES 345KV	308	0.01749	-0.04973	34
CELE	EVANGELINE 138KV	157	0.00891	AEPW	DEC 345KV	369	0.05863	-0.04972	34
WERE	WACO 138KV	30	-0.03613	SPS	JONES 230KV	268.9326	0.01359	-0.04972	34
KACP	HAWTHORN 161KV	455	-0.032	AEPW	WILKES 138KV	241.442	0.01771	-0.04971	34
WERE	GILL ENERGY CENTER 69KV	119	-0.03608	SPS	LP-MACK 69KV	60	0.01364	-0.0497	34
SPS	RIVERVIEW 69KV	23	0.00893	AEPW	DEC 345KV	369	0.05863	-0.0497	34
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	WELSH 345KV	1044	0.0187	-0.04968	34
MIPU	SOUTH HARPER 161KV	315	-0.03485	CELE	DOLET HILLS 345KV	370	0.01483	-0.04968	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	EASTMAN 138KV	155	0.01723	-0.04967	34
WERE	GILL ENERGY CENTER 69KV	119	-0.03608	SPS	JONES 230KV	268.9326	0.01359	-0.04966	34
CELE	EVANGELINE 230KV	231	0.009	AEPW	DEC 345KV	369	0.05863	-0.04963	34
MIDW	lyons 115kv	999	-0.03093	AEPW	WELSH 345KV	1044	0.0187	-0.04963	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	LEBROCK 345KV	165	0.01718	-0.04962	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04961	34
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	WELSH 345KV	1044	0.0187	-0.0496	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	EASTMAN 138KV	155	0.01723	-0.0496	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	EASTMAN 138KV	155	0.01723	-0.0496	34
WERE	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	WFEC	MORLAND 138KV	307.34	0.02429	-0.0496	34
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03899	AEPW	WELSH 345KV	1044	0.0187	-0.04959	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	WELSH 345KV	1044	0.0187	-0.04958	34
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	AEPW	KNOXLEE 138KV	164	0.01713	-0.04957	34
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	WILKES 345KV	308	0.01749	-0.04956	34
KACP	BULL CREEK 161KV	413	-0.03699	SPS	MUSTANG 115KV	300	0.01257	-0.04955	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	LEBROCK 345KV	165	0.01718	-0.04955	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	LEBROCK 345KV	165	0.01718	-0.04955	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	EASTMAN 138KV	155	0.01723	-0.04954	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04954	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04954	34
KACP	BULL CREEK 161KV	413	-0.03699	SPS	MUSTANG 230KV	160	0.01252	-0.04951	34
KACP	NORTHEAST 13KV	277	-0.03237	AEPW	KNOXLEE 138KV	164	0.01713	-0.0495	34
KACP	NORTHEAST 161KV	277	-0.03237	AEPW	KNOXLEE 138KV	164	0.01713	-0.0495	34
KACP	BULL CREEK 161KV	413	-0.03699	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04949	34
KACP	HAWTHORN 161KV	455	-0.032	AEPW	WILKES 345KV	308	0.01749	-0.04949	34
SPS	NICHOLS 115KV	213	0.00914	AEPW	DEC 345KV	369	0.05863	-0.04949	34
KACP	BULL CREEK 161KV	413	-0.03699	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04948	34
KACP	BULL CREEK 161KV	413	-0.03699	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04947	34
SWPA	TRUMAN 161KV	89.52281	-0.0235	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.04947	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	EASTMAN 138KV	155	0.01723	-0.04947	34
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	CELE	DOLET HILLS 345KV	370	0.01483	-0.04943	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	LEBROCK 345KV	165	0.01718	-0.04942	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04941	34
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	AES 161KV	320	0.02565	-0.04938	34
MIPU	TWA 161KV	32.1	-0.03224	AEPW	KNOXLEE 138KV	164	0.01713	-0.04937	34
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	WELSH 345KV	1044	0.0187	-0.04931	34
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	EASTMAN 138KV	155	0.01723	-0.0493	34
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	OKGE	SOONER 345KV	537	0.02398	-0.04929	34
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	LEBROCK 345KV	165	0.01718	-0.04925	34
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04924	35
KACP	HAWTHORN 161KV	455	-0.032	AEPW	EASTMAN 138KV	155	0.01723	-0.04923	35
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEPW	FITZHUGH 161KV	103	0.02571	-0.04921	35
WERE	ABILENE ENERGY CENTER 138KV	66	-0.03207	AEPW	KNOXLEE 138KV	164	0.01713	-0.0492	35
SWPA	KENNETT 69KV	29	-0.00107	GRDA	GRDA1 345KV	100	0.04813	-0.0492	35
OKGE	SPGCK1&2 13.200 345KV	68	0.02875	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04919	35
OKGE	SPGCK3&4 13.200 345KV	168	0.02875	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04919	35
SWPA	TRUMAN 161KV	89.52281	-0.0235	SWPA	OZARK 161KV	139.1037	0.02569	-0.04919	35
WEPL	CIMARRON RIVER 115KV	72	-0.01898	OKGE	HORSESHOE LAKE 138KV	186	0.0322	-0.04918	35
KACP	HAWTHORN 161KV								

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

WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	WILKES 138KV	241.442	0.01771	-0.0486	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	WILKES 138KV	241.442	0.01771	-0.04859	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	MUSTANG 230KV	160	0.01252	-0.04858	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	HOBBS PLT31 18.000 115KV	10299	0.0125	-0.04856	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04855	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04854	35
KACP	MONTROSE 161KV	454.2693	-0.02981	AEPW	WELSH 345KV	1044	0.0187	-0.04851	35
MIPU	LAKE ROAD 161KV	136	-0.02979	AEPW	WELSH 345KV	1044	0.0187	-0.04849	35
MIPU	LAKE ROAD 34KV	32	-0.02979	AEPW	WELSH 345KV	1044	0.0187	-0.04849	35
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	LP-MACK2 69KV	60	0.01364	-0.04849	35
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	WILKES 345KV	308	0.01749	-0.04847	35
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	JONES 230KV	268.9326	0.01359	-0.04844	35
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	CELE	DOLET HILLS 345KV	370	0.01483	-0.04842	35
MIDW	Iyons 115KV	999	-0.03093	AEPW	WILKES 345KV	308	0.01749	-0.04842	35
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	SOONER 138KV	535	0.02858	-0.04841	35
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	WILKES 345KV	308	0.01749	-0.04839	35
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	WILKES 345KV	308	0.01749	-0.04838	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	WILKES 345KV	308	0.01749	-0.04837	35
MIPU	SIBLEY 69KV	37.2	-0.03114	AEPW	EASTMAN 138KV	155	0.01723	-0.04837	35
KACY	NEARMAN 161KV	80	-0.03351	CELE	DOLET HILLS 345KV	370	0.01483	-0.04834	35
MIPU	KENNETT 69KV	29	-0.0107	GRDA	SALINA 161KV	37.7317	0.04728	-0.04833	35
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	SAN JUAN 230KV	120	0.01202	-0.04833	35
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	WILKES 138KV	241.442	0.01771	-0.04832	35
MIPU	SIBLEY 69KV	37.2	-0.03114	AEPW	LEBROCK 345KV	165	0.01718	-0.04832	35
KACY	QUINDARO 161KV	142.5347	-0.03348	CELE	DOLET HILLS 345KV	370	0.01483	-0.04831	35
MIPU	SIBLEY 69KV	37.2	-0.03114	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04831	35
WEPL	CIMARRON RIVER 115KV	72	-0.01698	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.0483	35
CELE	NATCHITOCHEES 69KV	43	0.01139	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.0483	35
KACY	QUINDARO 69KV	105	-0.03347	CELE	DOLET HILLS 345KV	370	0.01483	-0.0483	35
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	TOLK 230KV	1017.828	0.01198	-0.04828	35
KACY	RAW 69KV	242	-0.03346	CELE	DOLET HILLS 345KV	370	0.01483	-0.04829	35
MIPU	SIBLEY 69KV	37.2	-0.03114	AEPW	KNOXLEE 138KV	164	0.01713	-0.04827	35
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	LP-MACK2 69KV	60	0.01364	-0.04824	35
SWPA	KENNETT 69KV	29	-0.0107	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.04824	35
MIPU	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04824	35
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	EASTMAN 138KV	155	0.01723	-0.04821	35
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	JONES 230KV	268.9326	0.01359	-0.04819	35
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	GRDA	SALINA 161KV	37.7317	0.04726	-0.04817	35
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	LEBROCK 345KV	165	0.01718	-0.04816	35
MIDW	Iyons 115KV	999	-0.03093	AEPW	EASTMAN 138KV	155	0.01723	-0.04816	35
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04815	35
WERE	WACO 138KV	30	-0.03613	SPS	SAN JUAN 230KV	120	0.01202	-0.04815	35
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	EASTMAN 138KV	155	0.01723	-0.04813	35
LEPA	IRION SUB 230KV	44	-0.00878	SPS	COGENTRIX 345KV	965	0.0549	-0.04813	35
WERE	CITY OF WINFIELD 69KV	40	-0.01592	OKGE	HORSESHOE LAKE 138KV	166	0.0322	-0.04812	35
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	EASTMAN 138KV	155	0.01723	-0.04812	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	EASTMAN 138KV	155	0.01723	-0.04811	35
MIDW	Iyons 115KV	999	-0.03093	AEPW	LEBROCK 345KV	165	0.01718	-0.04811	35
MIPU	SIBLEY 161KV	81.27985	-0.03098	AEPW	KNOXLEE 138KV	164	0.01713	-0.04811	35
WERE	WACO 138KV	30	-0.03613	SPS	TOLK 230KV	1017.828	0.01198	-0.04811	35
MIDW	Iyons 115KV	999	-0.03093	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.0481	35
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	WILKES 345KV	308	0.01749	-0.0481	35
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	REDBUD 345KV	150	0.03399	-0.04805	35
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	LEBROCK 345KV	165	0.01718	-0.04808	35
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.04808	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	SAN JUAN 230KV	120	0.01202	-0.04808	35
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04807	35
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04806	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04806	35
MIDW	Iyons 115KV	999	-0.03093	AEPW	KNOXLEE 138KV	165	0.01718	-0.04806	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04805	35
WERE	WACO 138KV	30	-0.03613	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04805	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	TOLK 230KV	1017.828	0.01198	-0.04804	35
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.0309	AEPW	KNOXLEE 138KV	164	0.01713	-0.04803	35
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	CAPROCK OVK	80	0.01172	-0.04803	35
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	AEPW	KNOXLEE 138KV	164	0.01713	-0.04803	35
WERE	CITY OF WINFIELD 69KV	40	-0.01592	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.04802	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	AEPW	KNOXLEE 138KV	164	0.01713	-0.04801	35
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04798	35
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGE	CENTENIAL WIND 34KV	30	0.02447	-0.04795	35
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03313	CELE	DOLET HILLS 345KV	370	0.01483	-0.04796	35
SPS	PLANTX 230KV	189	0.01174	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.04795	35
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	FLINT CREEK 161KV	400	0.03096	-0.04794	35
MIPU	ARIES 161KV	595	-0.0331	CELE	DOLET HILLS 345KV	370	0.01483	-0.04793	35
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	CELE	DOLET HILLS 345KV	370	0.01483	-0.04791	35
OKGE	MUSTANG 69KV	106	0.03005	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04789	35
OKGE	MUSTANG 138KV	365.5	0.03006	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04788	35
WERE	GETTY 69KV	35	-0.05995	EMDE	RIVERTON 69KV	49.94283	-0.0111	-0.04785	35
WERE	WACO 138KV	30	-0.03613	SPS	CAPROCK OVK	80	0.01172	-0.04782	35
WERE	CITY OF AUGUSTA 69KV	24.89	-0.04875	SWPA	BULL SHOALS 161KV	249.6094	-0.00051	-0.04784	36
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	EASTMAN 138KV	155	0.01723	-0.04784	36
SPS	PLANTX 115KV	253	0.01187	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.04782	36
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	LEBROCK 345KV	165	0.01718	-0.04779	36
SWPA	TRUMAN 161KV	89.52281	-0.0235	OKGE	MORLND 138KV	307.34	0.02429	-0.04779	36
WEPL	CLIFTON 115KV	70	-0.03061	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04778	36
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	CAPROCK OVK	80	0.01172	-0.04778	36
WEPL	BEAVER 161KV	37.27985	0.01192	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.04777	36
MIPU	GREENWOOD 161KV	255.9	-0.02353	CELE	DOLET HILLS 345KV	370	0.01483	-0.04776	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	LP-MACK2 69KV	60	0.01364	-0.04774	36
OKGE	MCLAIN 138KV	50	0.03022	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04772	36
SPS	TOLK 230KV	62.1763	0.01198	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.04771	36
SWPA	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	LP-MACK2 69KV	60	0.01364	-0.04769	36
WERE	JONESBORO 161KV	35.8	0.00141	GRDA	GRDA1 161KV	65.14481	0.04909	-0.04768	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	JONES 230KV	268.9326	0.01359	-0.04758	36
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.04766	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	JONES 230KV	268.9326	0.01359	-0.04764	36
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	LP-MACK2 69KV	60	0.01364	-0.04762	36
WEPL	CIMARRON RIVER 115KV	72	-0.01698	SWPA	DENISON 138KV	52.81158	0.0306	-0.04758	36
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	REDBUD 345KV	150	0.03399	-0.04757	36
WERE	LAWRENCE ENERGY CENTER 69KV	41	-0.03398	SPS	JONES 230KV	268.9326	0.01359	-0.04757	36
KACP	MONTROSE 161KV	454.2693	-0.02981	AEPW	WILKES 138KV	241.442	0.01771	-0.04752	36
MIPU	LAKE ROAD 161KV	136	-0.02979	AEPW	WILKES 138KV	241.442	0.01771	-0.0475	36
MIPU	LAKE ROAD 34KV	32	-0.02979	AEPW	WILKES 138KV	241.442	0.01771	-0.0475	36
MIPU	RALPH GREEN 69KV	73.7	-0.03267	CELE	DOLET HILLS 345KV	370			

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

KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	LP-MACK2 69KV	60	0.1364	-0.04712	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	MUSTANG 230KV	160	0.01252	-0.04712	36
KACY	QUINDARO 69KV	105	-0.03347	SPS	LP-MACK2 69KV	60	0.1364	-0.04711	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.0471	36
KACY	KAW 69KV	242	-0.03346	SPS	LP-MACK2 69KV	60	0.1364	-0.0471	36
KACY	NEARMAN 161KV	80	-0.03351	SPS	JONES 230KV	268.9326	0.01359	-0.0470	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04709	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	CUNNINGHAM 230KV	196	0.01249	-0.04709	36
KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	JONES 230KV	268.9326	0.01359	-0.04707	36
MIPU	TWA 161KV	32.1	-0.03224	CELE	DOLET HILLS 345KV	370	0.01483	-0.04707	36
KACY	QUINDARO 69KV	105	-0.03347	SPS	JONES 230KV	268.9326	0.01359	-0.04706	36
KACY	KAW 69KV	242	-0.03346	SPS	JONES 230KV	268.9326	0.01359	-0.04706	36
KACY	MONTROSE 161KV	454.2693	-0.02981	AEWP	EASTMAN 138KV	155	0.01723	-0.04704	36
SWPA	GREERS FERRY 161KV	27.09579	0.00789	AEWP	COGENTRIX 345KV	965	0.05491	-0.04702	36
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEWP	COMANCHE 69KV	60	0.02719	-0.04702	36
MIPU	LAKE ROAD 161KV	136	-0.02979	AEWP	EASTMAN 138KV	155	0.01723	-0.04702	36
MIPU	LAKE ROAD 34KV	32	-0.02979	AEWP	EASTMAN 138KV	155	0.01723	-0.04702	36
KACP	MONTROSE 161KV	454.2693	-0.02981	AEWP	LEBROCK 345KV	165	0.01718	-0.04699	36
CELE	TECHE 138KV	257.4614	0.00792	AEWP	COGENTRIX 345KV	965	0.05491	-0.04699	36
KACP	MONTROSE 161KV	454.2693	-0.02981	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.04698	36
AEWP	FLINT CREEK 161KV	28	0.03096	AEWP	NORTHEASTERN STATION 345KV	625	0.07794	-0.04698	36
MIPU	LAKE ROAD 161KV	136	-0.02979	AEWP	LEBROCK 345KV	165	0.01718	-0.04697	36
MIPU	LAKE ROAD 34KV	32	-0.02979	AEWP	LEBROCK 345KV	165	0.01718	-0.04697	36
MIPU	LAKE ROAD 161KV	136	-0.02979	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.04696	36
MIPU	LAKE ROAD 34KV	32	-0.02979	AEWP	PIRKEY GENERATION 138KV	223	0.01717	-0.04696	36
KACP	MONTROSE 161KV	454.2693	-0.02981	AEWP	KNOXLEE 138KV	164	0.01713	-0.04692	36
MIPU	LAKE ROAD 161KV	136	-0.02979	AEWP	KNOXLEE 138KV	164	0.01713	-0.04692	36
MIPU	LAKE ROAD 34KV	32	-0.02979	AEWP	KNOXLEE 138KV	164	0.01713	-0.04692	36
OMPA	OMPA-PONCA CITY 69KV	56.8	0.03102	AEWP	NORTHEASTERN STATION 345KV	625	0.07794	-0.04692	36
KACP	MARSHALL 161KV	54.1	-0.02293	CKGE	SOONER 345KV	537	0.02368	-0.04691	36
KACP	ABILENE ENERGY CENTER 115KV	66	-0.03207	CELE	DOLET HILLS 345KV	370	0.01483	-0.04689	36
SPS	PLANTX 230KV	189	0.01174	AEWP	OEC 345KV	369	0.05863	-0.04689	36
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEWP	FLINT CREEK 161KV	400	0.03096	-0.04688	36
EMDE	STATE LINE 161KV	223.4407	-0.01289	CKGE	REDBUD 345KV	150	0.03399	-0.04688	36
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	SAN JUAN 230KV	120	0.01252	-0.04687	36
KACP	JUDSON LARGE 115KV	69.91309	-0.01983	AEWP	COMANCHE 138KV	145	0.02701	-0.04684	36
KACP	BULL CREEK 161KV	413	-0.03699	CELE	RODEMACHER 230KV	691	0.00984	-0.04683	36
KACP	HAWTHORN 161KV	456	-0.032	CELE	DOLET HILLS 345KV	370	0.01483	-0.04683	36
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	TOLK 230KV	1017.828	0.01198	-0.04683	36
CKGE	TINKER 5G 138KV	62	0.03114	AEWP	NORTHEASTERN STATION 345KV	625	0.07794	-0.0468	36
MIPU	SOUTH HARPER 161KV	315	-0.03485	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04677	36
SPS	PLANTX 115KV	253	0.01187	AEWP	OEC 345KV	369	0.05863	-0.04676	36
MIPU	ARIES 161KV	595	-0.0331	SPS	LP-MACK2 69KV	60	0.1364	-0.04674	36
KACP	BULL CREEK 161KV	413	-0.03699	SPS	STEER WATER 115KV	80	0.00974	-0.04673	36
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	LP-MACK2 69KV	60	0.1364	-0.04672	36
SWPA	JONESBORO 161KV	35.8	0.00141	GRDA	GRDA1 345KV	100	0.04813	-0.04672	36
SWPA	BEAVER 161KV	37.27985	0.01192	AEWP	OEC 345KV	369	0.05863	-0.04671	36
MIPU	ARIES 161KV	595	-0.0331	SPS	JONES 230KV	268.9326	0.01359	-0.04669	36
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	CZ 69KV	37.283	0.01037	-0.04668	36
CKGE	MUSKOGEE 161KV	51	0.04536	SPS	NORTHEASTERN STATION 138KV	468	0.09203	-0.04667	36
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	JONES 230KV	268.9326	0.01359	-0.04667	36
CELE	ACADIA 138KV	1322	0.00825	AEWP	COGENTRIX 345KV	965	0.05491	-0.04666	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	MUSTANG 115KV	300	0.01257	-0.04666	36
SPS	TOLK 230KV	62.17163	0.01198	AEWP	OEC 345KV	369	0.05863	-0.04665	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	SAN JUAN 230KV	120	0.01202	-0.04662	36
CKGE	SEMINOLE 345KV	579.2347	0.03132	AEWP	NORTHEASTERN STATION 345KV	625	0.07794	-0.04662	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	MUSTANG 115KV	300	0.01257	-0.04662	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	MUSTANG 230KV	160	0.01252	-0.04661	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04659	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04658	36
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	TOLK 230KV	1017.828	0.01198	-0.04658	36
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	LP-MACK2 69KV	60	0.1364	-0.04657	36
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04657	36
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	CAPROCK 0KV	80	0.01172	-0.04657	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	MUSTANG 230KV	160	0.01252	-0.04657	36
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	MUSTANG 115KV	300	0.01257	-0.04655	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04654	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04654	36
WEPL	CIMARRON RIVER 115KV	72	-0.01698	CKGE	AES 161KV	320	0.02955	-0.04653	37
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04653	37
WERE	CITY OF WINFIELD 69KV	40	-0.01592	SWPA	DEMON 138KV	52.81158	0.0302	-0.04653	37
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04652	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	JONES 230KV	268.9326	0.01359	-0.04652	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	MUSTANG 230KV	160	0.01252	-0.0465	37
WERE	WACO 138KV	30	-0.03613	SPS	CZ 69KV	37.283	0.01037	-0.0465	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04648	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04647	37
SPS	MOORE COUNTY 115KV	48	0.00846	AEWP	CUNNINGHAM 230KV	196	0.01248	-0.04646	37
WERE	GILL ENERGY CENTER 69KV	118	-0.03806	SPS	COGENTRIX 345KV	965	0.05491	-0.04645	37
SWPA	KENNETT 69KV	29	-0.00107	CKGE	CZ 69KV	37.283	0.01037	-0.04643	37
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEWP	MUSKOGEE 161KV	115	0.04536	-0.04643	37
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	WELSH 345KV	1044	0.0187	-0.0464	37
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	CAPROCK 0KV	80	0.01172	-0.04632	37
ENDE	RIVERTON 161KV	295	-0.0141	CKGE	LP-MACK2 69KV	60	0.1364	-0.04631	37
SWPA	BULL SHOALS 161KV	139.9906	-0.00991	CKGE	HORSESHOE LAKE 138KV	166	0.032	-0.04628	37
CKGE	SEMINOLE 138KV	505	0.03167	AEWP	MUSKOGEE 161KV	115	0.04536	-0.04627	37
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	NORTHEASTERN STATION 345KV	625	0.07794	-0.04627	37
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	JONES 230KV	268.9326	0.01359	-0.04626	37
SPS	HARRINGTON 230KV	360	0.00873	AEWP	ROBERT S KERR 161KV	284.7839	0.0321	-0.04625	37
GRDA	KERR 115KV	28.5	0.04586	AEWP	COGENTRIX 345KV	965	0.05491	-0.04618	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	NORTHEASTERN STATION 138KV	468	0.09203	-0.04617	37
SPS	CUNNINGHAM 230KV	110	0.01248	AEWP	MUSTANG 115KV	300	0.01257	-0.04616	37
WERE	CLAY CENTER ENERGY CENTER 138KV	285	-0.03631	CELE	OEC 345KV	369	0.05863	-0.04615	37
GILL	CITY OF WINFIELD 69KV	40	-0.01592	CKGE	RODEMACHER 230KV	691	0.00984	-0.04615	37
MIPU	WAMEE 115KV	999	-0.02744	AEWP	MCLAIN 138KV	470	0.03022	-0.04614	37
SPS	CUNNINGHAM 115KV	181	0.0125	AEWP	WELSH 345KV	1044	0.0187	-0.04614	37
SPS	MADOX 115KV	198	0.0125	AEWP	OEC 345KV	369	0.05863	-0.04613	37
WERE	CITY OF WINFIELD 69KV	40	-0.01592	CKGE	OEC 345KV	369	0.05863	-0.04611	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	SMITH COGEN 138KV	107	0.03019	-0.04611	37
SPS	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	MUSTANG 230KV	160	0.01252	-0.04611	37
SPS	MUSTANG 230KV	300	0.01252	AEWP	SAN JUAN 230KV	120	0.01202	-0.04611	37
SPS	JONES 230KV	217.0674	0.01359	SWPA	OEC 345KV	369	0.05863	-0.04611	37
SPS	NICHOLS 230KV	244	0.00881	AEWP	KEYSTONE DAM 161KV	135.3172	0.05989	-0.0461	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	COGENTRIX 345KV	96			

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

WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04597	37
KACY	KAW 69KV	242	-0.03346	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04596	37
KACP	NORTH EAST 13KV	277	-0.03237	SPS	JONES 230KV	268.9326	0.01359	-0.04596	37
KACP	NORTH EAST 161KV	277	-0.03237	SPS	JONES 230KV	268.9326	0.01359	-0.04596	37
KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04596	37
KACY	QUINDARO 69KV	105	-0.03347	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04596	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	TOLK 230KV	1017.828	0.01198	-0.04596	37
KACY	KAW 69KV	242	-0.03346	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04596	37
AEPW	KIOWA 345KV	1348	0.03199	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04595	37
KACY	QUINDARO 69KV	105	-0.03347	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04595	37
KACY	KAW 69KV	242	-0.03346	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04594	37
KACP	BULL CREEK 161KV	413	-0.03699	SPS	BLACKHAWK 115KV	220	0.00892	-0.04593	37
CELE	EVANGELINE 230KV	231	0.009	AEPW	COGENTRIX 345KV	965	0.05491	-0.04591	37
KACP	BULL CREEK 161KV	413	-0.03699	CELE	EVANGELINE 138KV	155	0.00891	-0.0459	37
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	CELE	RODEMACHER 230KV	691	0.00984	-0.0459	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SWPA	BEAVER 161KV	128.3201	0.01192	-0.0459	37
MIPU	TWA 161KV	32.1	-0.03224	SPS	LP-MACK2 69KV	80	0.01364	-0.04589	37
WERE	WACO 138KV	30	-0.03613	SPS	STEER WATER 115KV	80	0.00974	-0.04587	37
SWPA	JONESBORO 161KV	35.8	0.00141	GRDA	SALINA 161KV	37.73171	0.04726	-0.04585	37
SWPA	ROBERT S. KERR 161KV	103.9161	-0.0321	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04584	37
MIPU	TWA 161KV	32.1	-0.03224	SPS	JONES 230KV	268.9326	0.01359	-0.04583	37
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	CAPROCK 0KV	80	0.01172	-0.04581	37
MIPU	SIBLEY 161KV	81.27985	-0.03098	CELE	DOLET HILLS 345KV	370	0.01483	-0.04581	37
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	STEER WATER 115KV	80	0.00974	-0.0458	37
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.0458	37
EMDE	LARUSSEL 161KV	198	-0.01358	OKGE	HORSESHOE LAKE 138KV	166	0.01252	-0.04579	37
SPS	NICHOLS 115KV	213	0.00914	AEPW	COGENTRIX 345KV	965	0.05491	-0.04577	37
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	CAPROCK 0KV	80	0.01172	-0.04577	37
SWPA	JONESBORO 161KV	35.8	0.00141	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.04576	37
MIDW	WYOM 115KV	999	-0.03993	CELE	DOLET HILLS 345KV	370	0.01483	-0.04576	37
KACP	BULL CREEK 161KV	413	-0.03699	SPS	HANSFORD 115KV	80	0.00875	-0.04575	37
OKGE	HORSESHOE LAKE 138KV	694	0.0322	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.04574	37
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	CELE	DOLET HILLS 345KV	370	0.01483	-0.04573	37
KACP	BULL CREEK 161KV	413	-0.03699	SPS	HARRINGTON 230KV	706	0.00873	-0.04572	37
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	CELE	DOLET HILLS 345KV	370	0.01483	-0.04572	37
WERE	ABLENE ENERGY CENTER 115KV	66	-0.03207	SPS	LP-MACK2 69KV	80	0.01364	-0.04571	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	CELE	DOLET HILLS 345KV	370	0.01483	-0.04571	37
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	CAPROCK 0KV	80	0.01172	-0.04571	37
EMDE	LARUSSEL 161KV	198	-0.01358	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.04568	37
MIPU	ARIES 161KV	595	-0.0331	SPS	MUSTANG 115KV	300	0.01257	-0.04567	37
WERE	ABLENE ENERGY CENTER 115KV	66	-0.03207	SPS	JONES 230KV	268.9326	0.01359	-0.04566	37
KACP	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	MUSTANG 115KV	300	0.01257	-0.04565	37
KACP	HAWTHORN 161KV	455	-0.032	SPS	LP-MACK2 69KV	80	0.01364	-0.04564	37
MIPU	ARIES 161KV	595	-0.0331	SPS	MUSTANG 230KV	160	0.01252	-0.04563	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	SAN JUAN 230KV	120	0.01202	-0.04561	37
MIPU	ARIES 161KV	595	-0.0331	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.0456	37
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	MUSTANG 230KV	160	0.01252	-0.0456	37
MIPU	ARIES 161KV	595	-0.0331	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04559	37
KACP	HAWTHORN 161KV	455	-0.032	SPS	JONES 230KV	268.9326	0.01359	-0.04559	37
MIPU	ARIES 161KV	595	-0.0331	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04558	37
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04558	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	TOLK 230KV	1017.828	0.01198	-0.04557	37
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04557	37
WEPL	CIMARRON RIVER 115KV	72	-0.01698	OKGE	SOONER 138KV	535	0.02658	-0.04556	37
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04556	37
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEPW	FITZHUGH 161KV	103	0.02571	-0.04554	37
KACY	NEARMAN 161KV	80	-0.03351	SPS	SAN JUAN 230KV	120	0.01202	-0.04553	37
KACY	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	OZARK 161KV	139.1037	0.02668	-0.04553	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04551	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	MUSTANG 115KV	300	0.01257	-0.0455	37
KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	SAN JUAN 230KV	120	0.01202	-0.04549	37
KACY	QUINDARO 69KV	105	-0.03347	SPS	SAN JUAN 230KV	120	0.01202	-0.04549	37
KACY	NEARMAN 161KV	80	-0.03351	SPS	TOLK 230KV	1017.828	0.01198	-0.04549	37
KACY	KAW 69KV	242	-0.03346	SPS	SAN JUAN 230KV	120	0.01202	-0.04548	37
WERE	CITY OF WINFIELD 69KV	40	-0.01592	OKGE	AES 161KV	320	0.02955	-0.04547	37
KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	TOLK 230KV	1017.828	0.01198	-0.04546	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	MUSTANG 230KV	160	0.01252	-0.04545	37
KACY	QUINDARO 69KV	105	-0.03347	SPS	TOLK 230KV	1017.828	0.01198	-0.04545	37
WEPL	CLIFTON 115KV	70	-0.03061	CELE	DOLET HILLS 345KV	370	0.01483	-0.04544	37
KACY	KAW 69KV	242	-0.03346	SPS	TOLK 230KV	1017.828	0.01198	-0.04544	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04543	37
KACY	NEARMAN 161KV	80	-0.03351	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04543	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04542	37
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.04542	37
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEPW	WILKES 138KV	241.442	0.01771	-0.04541	37
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04541	37
GRDA	PENSACOLA 161KV	42	0.03254	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.0454	37
KACY	QUINDARO 161KV	142.5347	-0.03348	SWPA	BEAVER 161KV	128.3201	0.01192	-0.0454	37
KACY	QUINDARO 69KV	105	-0.03347	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04539	37
KACY	KAW 69KV	242	-0.03346	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04538	37
WERE	GETTY 69KV	35	-0.05895	EMDE	LARUSSEL 161KV	100	-0.01358	-0.04537	37
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	AEPW	COGENTRIX 345KV	965	0.05491	-0.04532	37
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	CAPROCK 0KV	80	0.01172	-0.04531	37
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	CELE	EVANGELINE 230KV	194	0.009	-0.04531	37
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	MUSTANG 115KV	300	0.01257	-0.04524	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SPS	BLACKHAWK 115KV	220	0.00892	-0.04523	38
KACY	NEARMAN 161KV	80	-0.03351	SPS	CAPROCK 0KV	80	0.01172	-0.04523	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	CELE	EVANGELINE 138KV	155	0.00891	-0.04522	38
KACY	SOUTH HARRIER 161KV	315	-0.03685	SPS	CZ 69KV	37.283	0.01037	-0.04522	38
WERE	QUINDARO 161KV	142.5347	-0.03348	SPS	CAPROCK 0KV	80	0.01172	-0.0452	38
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEPW	WILKES 345KV	308	0.01749	-0.04519	38
KACY	QUINDARO 69KV	105	-0.03347	SPS	CAPROCK 0KV	80	0.01172	-0.04519	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	MUSTANG 230KV	160	0.01252	-0.04519	38
KACY	KAW 69KV	242	-0.03346	SPS	CAPROCK 0KV	80	0.01172	-0.04518	38
AEPW	TONTOWN 161KV	346.12	0.03277	AEPW	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04517	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	NORTHEASTERN STATION 345KV	625	0.07794	-0.04517	38
MIDW	WYOM 115KV	999	-0.02744	AEPW	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04516	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	WILKES 138KV	241.442	0.01771	-0.04515	38
WERE	WACO 138KV	30	-0.03613	CELE	CUNNINGHAM 230KV	196	0.01248	-0.04515	38
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	EVANGELINE 230KV	194	0.009	-0.04513	38
MIPU	ARIES 161KV	595	-0.0331	SPS	WELSH 345KV	1044	0.0187	-0.04512	38
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	SAN JUAN 230KV	120	0.01202	-0.04512	38
EMDE	STATE LINE 161KV	223.4407	-0.01289	OKGE	HORSESHOE LAKE 138KV	166	0.01252	-0.04509	38
MIPU	ARIES 161KV	595	-0.0331	SPS	TOLK 230KV	1017.828	0.01198	-0.04508	38

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

WERE	WACO 138KV	30	-0.03613	SPS	HANSFORD 115KV	80	0.00875	-0.04488	38
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04487	38
KACP	NORTHEAST 13KV	277	-0.03237	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04487	38
KACP	NORTHEAST 161KV	277	-0.03237	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04487	38
KACP	NORTHEAST 13KV	277	-0.03237	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04486	38
KACP	NORTHEAST 161KV	277	-0.03237	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04486	38
WERE	WACO 138KV	30	-0.03613	SPS	HARRINGTON 230KV	706	0.00873	-0.04486	38
WERE	GETTY 69KV	36	-0.02696	EMDE	RIVERTON 161KV	85	-0.014	-0.04485	38
MIPU	GREENWOOD 161KV	255.8	-0.03293	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04485	38
KACP	NORTHEAST 13KV	277	-0.03237	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04485	38
KACP	NORTHEAST 161KV	277	-0.03237	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04485	38
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	AEPW	KNOWLEE 138KV	164	0.01713	-0.04484	38
MIPU	ARIES 161KV	595	-0.0331	SPS	CAPROCK 0KV	80	0.01172	-0.04482	38
KACP	LACYONE UNIT 345KV	193.1299	-0.04341	SWPA	JONESBORO 161KV	48	0.00141	-0.04482	38
WEPL	CIMARRON RIVER 115KV	72	-0.01698	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.04481	38
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	HANSFORD 115KV	80	0.00875	-0.04481	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	MUSTANG 115KV	300	0.01257	-0.04481	38
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	CAPROCK 0KV	80	0.01172	-0.0448	38
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SPS	HARRINGTON 230KV	706	0.00873	-0.04479	38
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	LP-MACK2 69KV	60	0.01364	-0.04478	38
GRDA	KERR 161KV	28.5	-0.04726	AEPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.04477	38
GRDA	SALINA 161KV	60.26883	-0.04726	AEPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.04477	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	MUSTANG 230KV	160	0.01252	-0.04476	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04474	38
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	JONES 230KV	268.9326	0.01359	-0.04473	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04472	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04472	38
EMDE	RIVERTON 161KV	295	-0.0141	SWPA	DENISON 138KV	52.81158	0.0306	-0.0447	38
MIPU	SOUTH HARPER 161KV	315	-0.03485	CELE	RODEMACHER 230KV	691	0.00984	-0.04469	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	SAN JUAN 230KV	120	0.01202	-0.04468	38
MIPU	pwame 115KV	999	-0.02744	AEPW	EASTMAN 138KV	155	0.01723	-0.04467	38
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	CAPROCK 0KV	80	0.01172	-0.04465	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	TOLK 230KV	1017.828	0.01198	-0.04465	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	MUSTANG 115KV	300	0.01257	-0.04464	38
KACP	MONTROSE 161KV	454.2693	-0.02981	CELE	DOLET HILLS 345KV	370	0.01483	-0.04464	38
MIPU	LAKE ROAD 161KV	136	-0.02979	CELE	DOLET HILLS 345KV	370	0.01483	-0.04462	38
MIPU	LAKE ROAD 34KV	32	-0.02979	CELE	DOLET HILLS 345KV	370	0.01483	-0.04462	38
MIDW	pwame 115KV	999	-0.02744	AEPW	LEBROCK 345KV	165	0.01718	-0.04462	38
MIPU	SIBLEY 161KV	81.27985	-0.03998	SPS	LP-MACK2 69KV	60	0.01364	-0.04462	38
MIDW	pwame 115KV	999	-0.02744	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04461	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	MUSTANG 230KV	160	0.01252	-0.04459	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	BEAVER 161KV	128.3201	0.01192	-0.04459	38
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	STEER WATER 115KV	80	0.00974	-0.04459	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04457	38
KACP	HAWTHORN 161KV	455	-0.032	SPS	MUSTANG 115KV	300	0.01257	-0.04457	38
MIDW	lyons 115KV	999	-0.03093	SPS	LP-MACK2 69KV	60	0.01364	-0.04457	38
MIDW	pwame 115KV	999	-0.02744	AEPW	KNOWLEE 138KV	164	0.01713	-0.04457	38
MIPU	SIBLEY 161KV	81.27985	-0.03998	SPS	JONES 230KV	268.9326	0.01359	-0.04456	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04456	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04455	38
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	FLINT CREEK 161KV	400	0.03096	-0.04454	38
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	LP-MACK2 69KV	60	0.01364	-0.04454	38
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.0309	SPS	LP-MACK2 69KV	60	0.01364	-0.04453	38
KACP	HAWTHORN 161KV	455	-0.032	SPS	MUSTANG 230KV	160	0.01252	-0.04452	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	LP-MACK2 69KV	60	0.01364	-0.04452	38
MIDW	lyons 115KV	999	-0.03093	SPS	JONES 230KV	268.9326	0.01359	-0.04452	38
WERE	CITY OF WINFIELD 69KV	40	-0.01592	OKGE	SOONER 138KV	535	0.02856	-0.0445	38
KACP	HAWTHORN 161KV	455	-0.032	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.0445	38
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	JONES 230KV	268.9326	0.01359	-0.04449	38
KACP	HAWTHORN 161KV	455	-0.032	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04449	38
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.04448	38
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.04448	38
KACP	HAWTHORN 161KV	455	-0.032	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04448	38
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.0309	SPS	JONES 230KV	268.9326	0.01359	-0.04448	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	JONES 230KV	268.9326	0.01359	-0.04447	38
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	SAN JUAN 230KV	120	0.01202	-0.04446	38
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	CELE	CZ 69KV	37.283	0.01037	-0.04446	38
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	CELE	RODEMACHER 230KV	691	0.00984	-0.04444	38
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	CZ 69KV	37.283	0.01037	-0.04442	38
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	TOLK 230KV	1017.828	0.01198	-0.04442	38
KACP	NORTHEAST 13KV	277	-0.03237	SPS	SAN JUAN 230KV	120	0.01202	-0.04439	38
KACP	NORTHEAST 161KV	277	-0.03237	SPS	SAN JUAN 230KV	120	0.01202	-0.04439	38
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	CAPROCK 0KV	80	0.01172	-0.04439	38
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04436	38
KACP	NORTHEAST 13KV	277	-0.03237	SPS	TOLK 230KV	1017.828	0.01198	-0.04435	38
KACP	NORTHEAST 161KV	277	-0.03237	SPS	TOLK 230KV	1017.828	0.01198	-0.04435	38
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	CZ 69KV	37.283	0.01037	-0.04435	38
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	STEER WATER 115KV	80	0.00974	-0.04434	38
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	MCCLEIN 138KV	470	0.03022	-0.04432	38
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	OKGE	CENTRAL WIND 34KV	30	0.0447	-0.0443	38
GRDA	PENSACOLA 69KV	63	-0.03364	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.0443	38
KACP	NORTHEAST 13KV	277	-0.03237	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04429	38
KACP	NORTHEAST 161KV	277	-0.03237	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04429	38
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	SMITH COGEN 138KV	107	0.03019	-0.04428	38
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	HUIJO 138KV	440	0.02731	-0.04427	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	SAN JUAN 230KV	120	0.01202	-0.04426	38
WEPL	CLIFTON 115KV	70	-0.03061	SPS	LP-MACK2 69KV	60	0.01364	-0.04425	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	CELE	TECHE 138KV	114.5386	0.00792	-0.04423	38
MIPU	TWA 161KV	32.1	-0.03224	SPS	TOLK 230KV	1017.828	0.01198	-0.04422	38
EMDE	STATE LINE 161KV	223.4407	-0.01289	OKGE	SEMINOLE 345KV	450.3653	0.0312	-0.04421	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.0442	38
WEPL	CLIFTON 115KV	70	-0.03061	SPS	JONES 230KV	268.9326	0.01359	-0.0442	38
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	DENISON 138KV	52.81158	0.0306	-0.04418	38
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	COMANCHE 69KV	60	0.01364	-0.04417	38
EMDE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	CAPROCK 0KV	80	0.01172	-0.04416	38
MIPU	TWA 161KV	32.1	-0.03224	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04416	38
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	WILKES 138KV	241.442	0.01771	-0.04413	38
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	WFEC	MORLAND 115KV	307.34	0.02429	-0.04412	38
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	SAN JUAN 230KV	120	0.01202	-0.04409	38
AEPW	FULTON 115KV	32.99999	0.0156	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.04409	39
KACP	NORTHEAST 13KV	277	-0.03237	SPS	CAPROCK 0KV	80	0.01172	-0.04409	39
KACP	NORTHEAST 161KV	277	-0.03237	SPS	CAPROCK 0KV	80	0.01172	-0.04409	39
WERE	WACO 138KV	30	-0.03613	CELE	TECHE 138KV	114.5386	0.00792	-0.04405	39
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	TOLK 230KV	1017.828	0.01198	-0.04405	39
KACP	HAWTHORN								

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

KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SWPA	JONESBORO 161KV	48	0.00141	-0.04373	39
KACP	HAWITHORN 161KV	465	-0.032	SPS	CAPROCK 0KV	80	0.01172	-0.04372	39
WERE	TECUMSEH ENERGY CENTER 69KV	411	-0.03098	SPS	STEER WATER 115KV	80	0.00974	-0.04372	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	MUSTANG 115KV	300	0.01257	-0.04371	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	MUSTANG 230KV	160	0.01252	-0.04366	39
EMDE	RIVERTON 161KV	295	-0.0141	OKGGE	AES 161KV	320	0.02955	-0.04365	39
MIPU	KNOLL 115KV	75.924	-0.02642	AEPW	EASTMAN 138KV	155	0.01723	-0.04365	39
AEPW	ARSENAL HILL 69KV	110	-0.01605	SWPA	KEYSTONE DAM 161KV	135.3172	0.05689	-0.04364	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04364	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04363	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04362	39
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	CELE	EVANGELINE 138KV	194	0.009	-0.0436	39
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	LEBROCK 345KV	80	0.00718	-0.0436	39
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	HANSFORD 115KV	80	0.00875	-0.0436	39
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04359	39
MIPU	SOUTH HARPER 161KV	315	-0.03485	SPS	HARRINGTON 230KV	706	0.00873	-0.04358	39
MIDW	KNOLL 115KV	75.924	-0.02642	AEPW	KNOWLES 138KV	164	0.01713	-0.04355	39
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	MUSTANG 115KV	300	0.01257	-0.04355	39
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	BLACKHAWK 115KV	220	0.00892	-0.04352	39
WERE	NATCHITOCHES 69KV	43	-0.01139	AEPW	COGENTRIX 345KV	965	0.05491	-0.04352	39
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	CELE	EVANGELINE 138KV	155	0.00891	-0.04351	39
MIDW	Yvons 115KV	999	-0.03093	SPS	MUSTANG 115KV	300	0.01257	-0.0435	39
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	MUSTANG 230KV	160	0.01252	-0.0435	39
EMDE	STATE LINE 161KV	223.4407	-0.01289	SWPA	DENISON 138KV	62.81155	0.0306	-0.04349	39
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04348	39
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03091	SPS	MUSTANG 115KV	300	0.01257	-0.04348	39
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SWPA	JONESBORO 161KV	48	0.00141	-0.04347	39
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04347	39
MIPU	JARIES 161KV	595	-0.0331	SPS	CZ 69KV	37.283	0.01037	-0.04347	39
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SPS	MUSTANG 115KV	300	0.01257	-0.04346	39
WERE	HUTCHINSON ENERGY CENTER 115KV	81.27985	-0.03098	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04346	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	MUSTANG 115KV	300	0.01257	-0.04345	39
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	CZ 69KV	37.283	0.01037	-0.04345	39
MIDW	Yvons 115KV	999	-0.03093	SPS	MUSTANG 230KV	160	0.01252	-0.04345	39
KACP	MONROSE 161KV	454.2693	-0.02981	SPS	LP-MACK2 69KV	60	0.01364	-0.04345	39
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	LP-MACK2 69KV	60	0.01364	-0.04343	39
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	LP-MACK2 69KV	60	0.01364	-0.04343	39
MIDW	Yvons 115KV	999	-0.03093	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04343	39
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03091	SPS	MUSTANG 230KV	160	0.01252	-0.04342	39
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.04342	39
MIDW	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.04342	39
WERE	Yvons 115KV	999	-0.03093	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04342	39
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SPS	MUSTANG 230KV	160	0.01252	-0.04341	39
MIDW	Yvons 115KV	999	-0.03093	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04341	39
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03091	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.0434	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	MUSTANG 230KV	160	0.01252	-0.0434	39
AEPW	LIEBERMAN 138KV	272	-0.01629	SWPA	KEYSTONE DAM 161KV	135.3172	0.05689	-0.04339	39
KACP	MONROSE 161KV	454.2693	-0.02981	SPS	JONES 230KV	268.9326	0.01359	-0.04339	39
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03091	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04339	39
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04339	39
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03091	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04338	39
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04338	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04338	39
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	JONES 230KV	268.9326	0.01359	-0.04338	39
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	JONES 230KV	268.9326	0.01359	-0.04338	39
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04337	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04337	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04336	39
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	HANSFORD 115KV	80	0.00875	-0.04335	39
KACY	NEARMAN 161KV	80	-0.03351	CELE	RODEMACHER 230KV	691	0.00984	-0.04335	39
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	CELE	RODEMACHER 230KV	691	0.00984	-0.04333	39
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SPS	HARRINGTON 230KV	706	0.00873	-0.04333	39
KACY	QUINDARO 161KV	142.5347	-0.03348	CELE	RODEMACHER 230KV	691	0.00984	-0.04332	39
KACY	QUINDARO 69KV	105	-0.03347	CELE	RODEMACHER 230KV	691	0.00984	-0.04331	39
MIPU	GREENWOOD 161KV	255.8	-0.03293	CELE	CZ 69KV	37.283	0.01037	-0.0433	39
KACY	KAWI 69KV	242	-0.03346	SPS	RODEMACHER 230KV	691	0.00984	-0.0433	39
KACY	NEARMAN 161KV	80	-0.03351	SPS	STEER WATER 115KV	80	0.00974	-0.04325	39
WERE	CITY OF WINFIELD 69KV	40	-0.01592	WFEC	HUGO 138KV	440	0.02731	-0.04323	39
KACY	QUINDARO 161KV	142.5347	-0.03348	SPS	STEER WATER 115KV	80	0.00974	-0.04322	39
KACY	QUINDARO 69KV	105	-0.03347	SPS	STEER WATER 115KV	80	0.00974	-0.04321	39
KACY	KAWI 69KV	242	-0.03346	SPS	STEER WATER 115KV	80	0.00974	-0.0432	39
WEPL	CLIFTON 115KV	70	-0.03061	SPS	MUSTANG 115KV	300	0.01257	-0.04318	39
SPS	PLANTX 230KV	189	0.01174	AEPW	COGENTRIX 345KV	965	0.05491	-0.04317	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	SAN JUAN 230KV	120	0.01202	-0.04316	39
WEPL	CLIFTON 115KV	70	-0.03061	SPS	MUSTANG 230KV	160	0.01252	-0.04313	39
EMDE	LARUSSEL 161KV	196	-0.01358	OKGGE	AES 161KV	320	0.02955	-0.04313	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	TOLK 230KV	1017.828	0.01198	-0.04312	39
EMDE	STATE LINE 161KV	223.4407	-0.01289	OKGGE	MCCLAIN 138KV	470	0.03022	-0.04311	39
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	COMANCHE 69KV	60	0.02739	-0.04311	39
WEPL	CLIFTON 115KV	70	-0.03061	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04311	39
WEPL	CLIFTON 115KV	70	-0.03061	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.0431	39
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04309	39
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	CELE	EVANGELINE 230KV	194	0.009	-0.04309	39
WEPL	CLIFTON 115KV	70	-0.03061	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04309	39
EMDE	STATE LINE 161KV	223.4407	-0.01289	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.04308	39
MIPU	SIBLEY 69KV	37.2	-0.03114	SWPA	BEAVER 161KV	128.3201	0.01192	-0.04306	39
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	CELE	EVANGELINE 230KV	194	0.009	-0.04305	39
SPS	PLANTX 115KV	259	0.01187	AEPW	COGENTRIX 345KV	965	0.05491	-0.04304	39
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	CZ 69KV	37.283	0.01037	-0.04304	39
AEPW	FULTON 115KV	32.99999	0.0156	AEPW	OEC 345KV	369	0.05863	-0.04303	39
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	AEPW	WILKES 138KV	241.442	0.01771	-0.04302	39
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	BLACKHAWK 115KV	220	0.00892	-0.04301	39
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SPS	EVANGELINE 138KV	155	0.009	-0.043	39
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	SAN JUAN 230KV	120	0.01202	-0.043	39
SWPA	BEAVER 161KV	37.27985	0.01192	AEPW	COGENTRIX 345KV	965	0.05491	-0.04299	40
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	CELE	EVANGELINE 230KV	194	0.009	-0.04298	40
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SPS	BLACKHAWK 115KV	220	0.00892	-0.04298	40
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	TOLK 230KV	1017.828	0.01198	-0.04296	40
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	CELE	EVANGELINE 138KV	155	0.00891	-0.04296	40
MIDW	CIMARRON RIVER 115KV	72	-0.01698	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.04295	40
WEPL	Yvons 115KV	999	-0.03093	SPS	SAN JUAN 230KV	120	0.01202	-0.04295	40
MIPU	JARIES 161KV	595	-0.0331	CELE	RODEMACHER 230KV	691	0.00984	-0.04294	40
GRDA	GRDA1 161KV	124.8552	0.04909	AEPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.04294	40
SPS	TOLK 230KV	62.17163							

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

WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SPS	HARRINGTON 230KV	706	0.00873	-0.04271	40
MIPU	SIBLEY 161KV	81,27965	-0.03098	SPS	CAPROCK 0KV	80	0.01172	-0.04247	40
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEWP	FITZLUUGH 161KV	103	0.02571	-0.04269	40
EMDE	RIVERTON 161KV	295	-0.0141	OKGKE	SOONER 138KV	535	0.02858	-0.04268	40
WEPL	CIMARRON RIVER 115KV	72	-0.01698	SWPA	OZARK 161KV	139,107	0.02569	-0.04267	40
MIPU	GREENWOOD 161KV	255.8	-0.03293	SPS	STEER WATER 115KV	80	0.00974	-0.04267	40
MIDW	YERS 115KV	999	-0.03093	SPS	CAPROCK 0KV	80	0.01172	-0.04265	40
WEPL	CLIFTON 115KV	70	-0.03081	SPS	SAN JUAN 230KV	120	0.01202	-0.04264	40
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	CAPROCK 0KV	80	0.01172	-0.04262	40
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SPS	CAPROCK 0KV	80	0.01172	-0.04261	40
MIPU	TWA 161KV	32.1	-0.03224	SPS	CZ 69KV	37,283	0.01037	-0.04261	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	CAPROCK 0KV	80	0.01172	-0.04260	40
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	CELE	EVANGELINE 230KV	194	0.009	-0.04259	40
WEPL	CLIFTON 115KV	70	-0.03061	SPS	TOLK 230KV	1017,828	0.01198	-0.04259	40
AEWP	ARSENAL HILL 69KV	110	0.01605	AEWP	DEC 345KV	369	0.05863	-0.04258	40
AEWP	KNOXLEE 161KV	259	0.01713	SWPA	KEYSTONE DAM 161KV	135,3172	0.05969	-0.04256	40
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	AEWP	EASTMAN 138KV	155	0.01123	-0.04254	40
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	CELE	DOLET HILLS 345KV	370	0.01483	-0.04253	40
WEPL	CLIFTON 115KV	70	-0.03061	SWPA	BEAVER 161KV	128,3201	0.01192	-0.04253	40
WERE	EVANS ENERGY CENTER 138KV	344,7419	-0.0346	CELE	TECHE 138KV	114,5396	0.00792	-0.04252	40
AEWP	PIRKEY GENERATOR 138KV	68	0.01717	SWPA	KEYSTONE DAM 161KV	135,3172	0.05969	-0.04252	40
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	BLACKHAWK 115KV	220	0.00892	-0.04251	40
AEWP	LEBROCK 345KV	532	0.01718	SWPA	KEYSTONE DAM 161KV	135,3172	0.05969	-0.04251	40
KACY	NEARMAN 161KV	80	-0.03351	CELE	EVANGELINE 230KV	194	0.009	-0.04251	40
MIPU	RALPH GREEN 69KV	73.7	-0.03267	CELE	RODEMACHER 230KV	691	0.00984	-0.04251	40
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	EVANGELINE 138KV	155	0.00891	-0.04245	40
KACP	LACYONE UNIT 345KV	193,1299	-0.04341	SWPA	BULL SHOALS 161KV	249,6094	-0.00091	-0.04245	40
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	AEWP	LEBROCK 345KV	165	0.01718	-0.04249	40
WERE	EVANS ENERGY CENTER 138KV	344,7419	-0.0346	SWPA	GREERS FERRY 161KV	82,90421	0.00789	-0.04249	40
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	AEWP	PIRKEY GENERATOR 138KV	123	0.01717	-0.04248	40
KACY	QUINDARO 161KV	142,5347	-0.03348	CELE	EVANGELINE 230KV	194	0.009	-0.04248	40
KACY	QUINDARO 69KV	105	-0.03347	CELE	EVANGELINE 230KV	194	0.009	-0.04247	40
AEWP	EASTMAN 138KV	330,01	0.01723	SWPA	KEYSTONE DAM 161KV	135,3172	0.05969	-0.04246	40
WEPL	KAW 69KV	242	-0.03346	CELE	EVANGELINE 230KV	194	0.009	-0.04246	40
KACY	ABLENE ENERGY CENTER 115KV	66	-0.03207	SPS	CZ 69KV	37,283	0.01037	-0.04244	40
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	AEWP	KNOXLEE 161KV	164	0.01713	-0.04244	40
EMDE	STATE LINE 161KV	223,4407	-0.01289	OKGKE	AES 161KV	320	0.02955	-0.04244	40
SPS	CUNNINGHAM 230KV	110	0.01249	AEWP	COGENTRIX 345KV	965	0.05491	-0.04243	40
KACY	NEARMAN 161KV	80	-0.03351	SPS	BLACKHAWK 115KV	220	0.00892	-0.04243	40
KACY	NEARMAN 161KV	80	-0.03351	CELE	EVANGELINE 138KV	155	0.00891	-0.04242	40
SPS	CUNNINGHAM 115KV	181	0.0125	AEWP	COGENTRIX 345KV	965	0.05491	-0.04241	40
MIPU	MADOX 115KV	193	0.0125	AEWP	COGENTRIX 345KV	965	0.05491	-0.04241	40
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	STEER WATER 115KV	80	0.00974	-0.04241	40
KACY	QUINDARO 161KV	142,5347	-0.03348	SPS	BLACKHAWK 115KV	220	0.00892	-0.04241	40
KACY	QUINDARO 161KV	142,5347	-0.03348	CELE	EVANGELINE 138KV	155	0.00891	-0.04239	40
SPS	MUSTANG 230KV	300	0.01252	AEWP	COGENTRIX 345KV	965	0.05491	-0.04239	40
KACP	QUINDARO 69KV	105	-0.03347	SPS	BLACKHAWK 115KV	220	0.00892	-0.04239	40
KACY	KAW 69KV	242	-0.03346	SPS	BLACKHAWK 115KV	220	0.00892	-0.04238	40
KACP	MONTROSE 161KV	454,2693	-0.02981	SPS	MUSTANG 115KV	300	0.01252	-0.04238	40
KACY	QUINDARO 69KV	105	-0.03347	CELE	EVANGELINE 138KV	155	0.00891	-0.04238	40
KACP	HAWTHORN 161KV	455	-0.032	SPS	CZ 69KV	37,283	0.01037	-0.04237	40
KACY	KAW 69KV	242	-0.03346	CELE	EVANGELINE 138KV	155	0.00891	-0.04237	40
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	MUSTANG 115KV	300	0.01252	-0.04236	40
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	MUSTANG 115KV	300	0.01252	-0.04236	40
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	HANSFORD 115KV	80	0.00875	-0.04234	40
AEWP	LIEBERMAN 138KV	272	0.01629	AEWP	DEC 345KV	369	0.05863	-0.04234	40
SPS	MUSTANG 115KV	29	0.01257	AEWP	COGENTRIX 345KV	965	0.05491	-0.04234	40
WEPL	CLIFTON 115KV	70	-0.03081	SPS	CAPROCK 0KV	80	0.01172	-0.04234	40
KACP	MONTROSE 161KV	454,2693	-0.02981	SPS	MUSTANG 230KV	160	0.01252	-0.04233	40
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SPS	HARRINGTON 230KV	706	0.00873	-0.04232	40
LEPA	IRION SUB 230KV	44	0.00678	GRDA	GRDA1 161KV	65,14481	0.04909	-0.04231	40
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	HOBBS PLT21 18,000 115KV	160	0.01252	-0.04231	40
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	MUSTANG 230KV	160	0.01252	-0.04231	40
KACP	MONTROSE 161KV	454,2693	-0.02981	SPS	HOBBS, PLT21 18,000 115KV	10299	0.0125	-0.04231	40
KACP	MONTROSE 161KV	454,2693	-0.02981	SPS	HOBBS PLT31 18,000 230KV	202	0.01249	-0.04231	40
KACP	LAKE ROAD 161KV	136	-0.02979	SPS	HOBBS, PLT21 18,000 115KV	10299	0.0125	-0.04231	40
KACP	LAKE ROAD 34KV	32	-0.02979	SPS	HOBBS, PLT21 18,000 115KV	10299	0.0125	-0.04231	40
KACP	MONTROSE 161KV	454,2693	-0.02981	CELE	CUNNINGHAM 230KV	196	0.01248	-0.04229	40
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	RODEMACHER 230KV	691	0.00984	-0.04228	40
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	HOBBS, PLT31 18,000 230KV	202	0.01249	-0.04228	40
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	HOBBS, PLT31 18,000 230KV	202	0.01249	-0.04228	40
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04227	40
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04227	40
MIDW	Lawmes 115KV	999	-0.02744	CELE	DOLET HILLS 345KV	370	0.01483	-0.04227	40
KACY	NEARMAN 161KV	80	-0.03351	SPS	HANSFORD 115KV	80	0.00875	-0.04226	40
KACY	NEARMAN 161KV	80	-0.03351	SPS	HARRINGTON 230KV	706	0.00873	-0.04224	40
KACY	QUINDARO 161KV	142,5347	-0.03348	SPS	HANSFORD 115KV	80	0.00875	-0.04223	40
KACY	QUINDARO 69KV	105	-0.03347	SPS	HARRINGTON 115KV	80	0.00875	-0.04222	40
KACP	NORTHEAST 13KV	277	-0.03237	CELE	RODEMACHER 230KV	691	0.00984	-0.04221	40
KACP	NORTHEAST 115KV	277	-0.03237	SPS	RODEMACHER 230KV	691	0.00984	-0.04221	40
KACY	QUINDARO 161KV	142,5347	-0.03348	SPS	HARRINGTON 230KV	706	0.00873	-0.04221	40
KACY	KAW 69KV	242	-0.03346	SPS	HANSFORD 115KV	80	0.00875	-0.04221	40
KACY	QUINDARO 69KV	105	-0.03347	SPS	HARRINGTON 230KV	706	0.00873	-0.04221	40
SWPA	TRUMAN 161KV	89,52281	-0.0236	AEWP	WELSH 345KV	1044	0.0197	-0.0422	40
KACY	KAW 69KV	242	-0.03346	SPS	HARRINGTON 230KV	706	0.00873	-0.04219	40
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	STEER WATER 115KV	80	0.00974	-0.04218	40
EMDE	LARUSSEL 161KV	196	-0.01358	OKGKE	SOONER 138KV	535	0.02858	-0.04216	40
KACP	NORTHEAST 13KV	277	-0.03237	SPS	STEER WATER 115KV	80	0.00974	-0.04211	40
KACP	NORTHEAST 161KV	277	-0.03237	SPS	STEER WATER 115KV	80	0.00974	-0.04211	40
MIPU	ARIES 161KV	595	-0.0331	CELE	EVANGELINE 230KV	194	0.009	-0.0421	40
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	CELE	EVANGELINE 230KV	194	0.009	-0.04208	40
MIPU	TWA 161KV	32.1	-0.03224	CELE	RODEMACHER 230KV	691	0.00984	-0.04208	40
MIPU	ARIES 161KV	595	-0.0331	SPS	BLACKHAWK 115KV	220	0.00892	-0.04202	40
WERE	LAWRENCE ENERGY CENTER 230KV	46,4469	-0.03409	SPS	TECHE 138KV	114,5396	0.00792	-0.04201	40
MIPU	ARIES 161KV	595	-0.0331	CELE	EVANGELINE 138KV	155	0.00891	-0.04201	40
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SPS	BLACKHAWK 115KV	220	0.00892	-0.042	40
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	CELE	EVANGELINE 138KV	155	0.00891	-0.04199	40
WERE	LAWRENCE ENERGY CENTER 230KV	46,4469	-0.03409	SWPA	GREERS FERRY 161KV	82,90421	0.00789	-0.04199	40
MIPU	TWA 161KV	32.1	-0.03224	SPS	STEER WATER 115KV	80	0.00974	-0.04198	40
AEWP	WILKES 138KV	246,558	0.01771	SWPA	KEYSTONE DAM 161KV	135,3172	0.05969	-0.04198	40
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	CELE	TECHE 138KV	114,5396	0.00792	-0.04197	40
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	SWPA	GREERS FERRY 161KV	82,90421	0.00789	-0.04194	40
MIPU	GREENWOOD 161KV	255.8	-0.03293	CELE	EVANGELINE 230KV	194	0.009	-0.04193	41
EMDE	RIVERTON 161KV	295	-0.0141	WFEC	ANADARKO 138KV	245,8022	0.02783	-0.04193	41
WERE	ABLENE ENERGY CENTER 115KV	66	-0						

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

EMDE	RIVERTON 161KV	295	-0.0141	AEPW	SOUTHWESTERN STATION 138KV	145	0.0275	-0.0416	41
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	BLACKHAWK 115KV	220	0.00892	-0.04159	41
MIPU	RALPH GREEN 69KV	73.7	-0.03267	CELE	EVANGELINE 138KV	155	0.00891	-0.04158	41
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	CAPROCK 6KV	80	0.01172	-0.04153	41
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	CELE	TECHE 138KV	114.5386	0.00792	-0.04151	41
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	CZ 69KV	37.283	0.01037	-0.04151	41
MIPU	LAKE ROAD 161KV	136	-0.02978	SPS	CAPROCK 6KV	80	0.01172	-0.04151	41
MIPU	LAKE ROAD 34KV	32	-0.02978	SPS	CAPROCK 6KV	80	0.01172	-0.04151	41
AEPW	KNOXLEE 138KV	259	0.01713	AEPW	DEC 345KV	369	0.05863	-0.0415	41
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04148	41
EMDE	STATE LINE 161KV	223.4407	-0.01289	OKGEE	SOONER 138KV	535	0.02858	-0.04147	41
AEPW	PIRKEY GENERATION 138KV	65	0.01717	AEPW	DEC 345KV	369	0.05863	-0.04146	41
WEPL	CIMARRON RIVER 115KV	72	-0.01698	OKGEE	CENTRAL WIND 34KV	30	0.02447	-0.04145	41
AEPW	LEBROCK 345KV	532	0.01718	AEPW	DEC 345KV	369	0.05863	-0.04145	41
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	CELE	EVANGELINE 230KV	194	0.009	-0.04144	41
KACP	NEARMAN 161KV	80	-0.03351	CELE	TECHE 138KV	114.5386	0.00792	-0.04143	41
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	HANSFORD 115KV	80	0.00875	-0.04142	41
EMDE	LARUSSEL 161KV	196	-0.01358	WFEC	ANADARKO 138KV	245.8022	0.02783	-0.04141	41
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.04141	41
EMDE	RIVERTON 161KV	295	-0.0141	WFEC	HULL 138KV	440	0.02731	-0.04141	41
AEPW	EASTMAN 138KV	330.01	0.01723	AEPW	DEC 345KV	369	0.05863	-0.0414	41
KACP	QUINDARO 161KV	142.5347	-0.03348	CELE	TECHE 138KV	114.5386	0.00792	-0.0414	41
KACP	NEARMAN 161KV	80	-0.03351	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.0414	41
MIPU	RALPH GREEN 69KV	73.7	-0.03267	SPS	HARRINGTON 230KV	706	0.00873	-0.0414	41
KACP	QUINDARO 69KV	165	-0.03347	CELE	TECHE 138KV	114.5386	0.00792	-0.04138	41
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	LEPA	CITY OF HOLMA SUB 115KV	164	0.0078	-0.04137	41
KACP	KAW 69KV	242	-0.03346	CELE	TECHE 138KV	114.5386	0.00792	-0.04138	41
KACP	NORTHEAST 13KV	277	-0.03237	CELE	EVANGELINE 230KV	194	0.009	-0.04137	41
KACP	NORTHEAST 161KV	277	-0.03237	CELE	EVANGELINE 230KV	194	0.009	-0.04137	41
KACP	QUINDARO 161KV	142.5347	-0.03348	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04137	41
KACP	QUINDARO 69KV	165	-0.03347	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04136	41
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	BLACKHAWK 115KV	220	0.00892	-0.04136	41
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	CELE	EVANGELINE 138KV	155	0.00891	-0.04135	41
LEPA	TRION SUB 230KV	44	0.00678	GRDA	GRDA1 345KV	100	0.04813	-0.04135	41
KACP	KAW 69KV	242	-0.03346	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04135	41
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	CZ 69KV	37.283	0.01037	-0.04135	41
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	LP-MACK2 69KV	60	0.01364	-0.04134	41
SPS	JONES 230KV	217.0674	0.01359	AEPW	COGENTRIX 345KV	965	0.05491	-0.04132	41
MIDW	Iyons 115KV	999	-0.03093	SPS	CZ 69KV	37.283	0.01037	-0.0413	41
KACP	NORTHEAST 13KV	277	-0.03237	SPS	BLACKHAWK 115KV	220	0.00892	-0.04129	41
KACP	NORTHEAST 161KV	277	-0.03237	SPS	BLACKHAWK 115KV	220	0.00892	-0.04129	41
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	JONES 230KV	268.9326	0.01359	-0.04129	41
EMDE	RIVERTON 161KV	295	-0.0141	AEPW	COMANCHE 69KV	80	0.02719	-0.04129	41
KACP	NORTHEAST 13KV	277	-0.03237	CELE	EVANGELINE 138KV	155	0.00891	-0.04127	41
KACP	NORTHEAST 161KV	277	-0.03237	CELE	EVANGELINE 138KV	155	0.00891	-0.04128	41
SPS	LP-HOLL2 69KV	154	0.01363	AEPW	COGENTRIX 345KV	965	0.05491	-0.04128	41
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	CZ 69KV	37.283	0.01037	-0.04127	41
MIPU	CIMARRON RIVER 115KV	72	-0.01698	WFEC	MCKENZIE 138KV	307.34	0.02429	-0.04127	41
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SPS	CZ 69KV	37.283	0.01037	-0.04126	41
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	CZ 69KV	37.283	0.01037	-0.04125	41
MIDW	KNOLL 115KV	75.924	-0.02642	CELE	DOLET HILLS 345KV	370	0.01483	-0.04125	41
MIPU	TWA 161KV	32.1	-0.03224	CELE	EVANGELINE 230KV	194	0.009	-0.04124	41
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEPW	WILKES 138KV	241.442	0.01771	-0.04121	41
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.03244	SPS	HANSFORD 115KV	80	0.00875	-0.04119	41
CELE	TECHE 138KV	257.4614	0.00792	GRDA	GRDA1 161KV	65.14481	0.04909	-0.04117	41
MIPU	TWA 161KV	32.1	-0.03224	SPS	BLACKHAWK 115KV	220	0.00892	-0.04116	41
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04206	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.04115	41
MIPU	TWA 161KV	32.1	-0.03224	CELE	EVANGELINE 138KV	155	0.00891	-0.04115	41
KACP	NORTHEAST 13KV	277	-0.03237	SPS	HANSFORD 115KV	80	0.00875	-0.04112	41
KACP	NORTHEAST 161KV	277	-0.03237	SPS	HANSFORD 115KV	80	0.00875	-0.04112	41
EMDE	RIVERTON 161KV	295	-0.0141	AEPW	COMANCHE 138KV	145	0.02701	-0.04111	41
KACP	NORTHEAST 13KV	277	-0.03237	SPS	HARRINGTON 230KV	706	0.00873	-0.04111	41
KACP	NORTHEAST 161KV	277	-0.03237	SPS	HARRINGTON 230KV	706	0.00873	-0.04111	41
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.04108	41
MIDW	LARUSSEL 161KV	196	-0.01358	AEPW	SOUTHWESTERN STATION 138KV	173	0.0275	-0.04108	41
EMDE	pawnee 115KV	999	-0.02744	SPS	LP-MACK2 69KV	60	0.01364	-0.04107	41
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	EVANGELINE 230KV	194	0.009	-0.04107	41
MIDW	pawnee 115KV	999	-0.02744	SPS	JONES 230KV	268.9326	0.01359	-0.04103	41
MIPU	ARIES 161KV	595	-0.0331	CELE	TECHE 138KV	114.5386	0.00792	-0.04102	41
KACP	HAWTHORN 161KV	455	-0.0332	CELE	EVANGELINE 230KV	194	0.009	-0.041	41
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03398	SWPA	TECHE 138KV	114.5386	0.00792	-0.041	41
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	BLACKHAWK 115KV	220	0.00892	-0.04099	41
MIPU	ARIES 161KV	595	-0.0331	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04099	41
SWPA	KENNETT 69KV	29	-0.00107	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.04099	41
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEPW	WILKES 345KV	308	0.01749	-0.04099	41
MIPU	TWA 161KV	32.1	-0.03224	SPS	HANSFORD 115KV	80	0.00875	-0.04099	41
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	CELE	EVANGELINE 138KV	155	0.00891	-0.04098	41
WEPL	CLIFTON 115KV	70	-0.03061	SPS	CZ 69KV	37.283	0.01037	-0.04098	41
MIPU	SIBLEY 69KV	37.2	-0.03114	CELE	RODEMACHER 230KV	691	0.00984	-0.04098	41
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03398	SWPA	HARRINGTON 230KV	82.90421	0.00789	-0.04097	41
MIPU	TWA 161KV	32.1	-0.03224	SPS	HARRINGTON 230KV	706	0.00873	-0.04097	41
WEPL	CIMARRON RIVER 115KV	72	-0.01698	OKGEE	SOONER 345KV	537	0.02398	-0.04096	41
KACP	HAWTHORN 161KV	455	-0.0332	SPS	BLACKHAWK 115KV	220	0.00892	-0.04092	42
AEPW	WILKES 138KV	246.558	0.01771	AEPW	DEC 345KV	369	0.05863	-0.04092	42
KACP	HAWTHORN 161KV	455	-0.0332	CELE	EVANGELINE 138KV	155	0.00891	-0.04091	42
EMDE	LARUSSEL 161KV	196	-0.01358	WFEC	HUGO 138KV	440	0.02731	-0.04089	42
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	STEER WATER 115KV	80	0.00974	-0.04088	42
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	LEPA	CITY OF HOLMA SUB 115KV	167	0.00678	-0.04087	42
MIPU	ACADIA 138KV	255.9	-0.03293	CELE	TECHE 138KV	114.5386	0.00792	-0.04086	42
CELE	ACADIA 138KV	1322	0.00825	GRDA	GRDA1 161KV	65.14481	0.04909	-0.04084	42
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.04083	42
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03405	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04083	42
MIPU	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	HARRINGTON 115KV	80	0.00875	-0.04082	42
MIPU	GREENWOOD 161KV	255.9	-0.03293	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04082	42
MIPU	SIBLEY 161KV	81.27985	-0.03098	CELE	RODEMACHER 230KV	691	0.00984	-0.04082	42
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	SPS	HARRINGTON 230KV	706	0.00873	-0.0408	42
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	COMANCHE 69KV	80	0.02719	-0.04077	42
AEPW	LONGSTAR POWER PLANT 69KV	50	0.01766	AEPW	DEC 345KV	369	0.05863	-0.04077	42
MIDW	Iyons 115KV	999	-0.03093	CELE	RODEMACHER 230KV	691	0.00984	-0.04077	42
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04076	42
KACP	HAWTHORN 161KV	455	-0.0332	SPS	HANSFORD 115KV	80	0.00875	-0.04075	42
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0309	CELE	RODEMACHER 230KV	691	0.00984	-0.04074	42
KACP	HAWTHORN 161KV	455	-0.0332	SPS	HARRINGTON 230KV	706	0.00873	-0.04073	42
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	CELE	RODEMACHER 230KV	691	0.00984	-0.04073	42
SWPA	TRUMAN 161KV	89.52281	-0.0235	AEPW	EASTMAN 138KV				

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

KACP	NORTHEAST 161KV	277	-0.03237	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04028	42
KACY	QUINDARO 161KV	142.5347	-0.03348	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04026	42
KACY	QUINDARO 69KV	106	-0.03347	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04025	42
KACY	XAV 69KV	242	-0.03346	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.04024	42
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	MUSTANG 230KV	160	0.01252	-0.04022	42
WERE	CITY OF WINFIELD 69KV	40	-0.01592	WFEC	MORLND 138KV	307.34	0.02429	-0.04021	42
CELE	TECHE 138KV	257.4614	0.00792	GRDA	GRDA1 161KV	100	0.04813	-0.04021	42
CELE	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.0402	42
EMDE	STATE LINE 161KV	223.4407	-0.01289	WFEC	HUGO 138KV	440	0.02731	-0.0402	42
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	HOBBS PLT13 18.000 230KV	202	0.01249	-0.04019	42
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	CUNNINGHAM 230KV	196	0.01248	-0.04018	42
CELE	EVANGELINE 138KV	157	0.00891	GRDA	GRDA1 161KV	65.14481	0.04909	-0.04018	42
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	CZ 69KV	37.283	0.01037	-0.04018	42
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	CZ 69KV	37.283	0.01037	-0.04016	42
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	CZ 69KV	37.283	0.01037	-0.04016	42
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	EASTMAN 138KV	155	0.01723	-0.04016	42
MIPU	TWA 161KV	32.1	-0.03224	CELE	TECHE 138KV	114.5396	0.00792	-0.04016	42
MIPU	SIBLEY 69KV	37.2	-0.03114	CELE	EVANGELINE 230KV	194	0.009	-0.04014	42
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	CELE	DOLET HILLS 345KV	370	0.01483	-0.04014	42
MIPU	TWA 161KV	32.1	-0.03224	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.04013	42
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	LEBROCK 345KV	155	0.01718	-0.04011	42
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.04011	42
CELE	EVANGELINE 230KV	231	0.009	GRDA	GRDA1 161KV	65.14481	0.04909	-0.04009	42
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	COMANCHE 69KV	60	0.02719	-0.04008	42
EMDE	RIVERTON 161KV	285	-0.0141	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.04007	42
MIDW	KNOLL 115KV	75.924	-0.02642	SPS	LP-MACK2 69KV	60	0.01364	-0.03996	42
KACP	MARSHALL 161KV	54.1	-0.02293	AEPW	KNOXLEE 138KV	164	0.01713	-0.04006	42
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	BLACKHAWK 115KV	220	0.00892	-0.04006	42
MIPU	SIBLEY 69KV	37.2	-0.03114	CELE	EVANGELINE 138KV	155	0.00891	-0.04005	42
MIDW	KNOLL 115KV	75.924	-0.02642	SPS	JONES 230KV	268.9326	0.01359	-0.04001	42
MIDW	pannee 115kv	999	-0.02744	SPS	MUSTANG 115KV	300	0.01257	-0.04001	42
WERE	ABILENE ENERGY CENTER 115KV	66	-0.03207	CELE	TECHE 138KV	114.5396	0.00792	-0.03999	42
MIPU	SIBLEY 161KV	81.27985	-0.03098	CELE	EVANGELINE 230KV	194	0.009	-0.03998	42
MIPU	ABILENE ENERGY CENTER 115KV	66	-0.03207	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03996	42
MIDW	pannee 115kv	999	-0.02744	SPS	MUSTANG 230KV	160	0.01252	-0.03996	42
SPS	NICHOLS 115KV	213	0.00914	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03995	43
MIDW	pannee 115kv	999	-0.02744	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.03994	43
MIDW	Yorns 115kv	999	-0.03093	CELE	EVANGELINE 230KV	194	0.009	-0.03993	43
MIDW	pannee 115kv	999	-0.02744	SPS	HOBBS PLT13 18.000 230KV	202	0.01249	-0.03993	43
KACP	HAWTHORN 161KV	455	-0.032	CELE	TECHE 138KV	114.5396	0.00792	-0.03992	43
MIDW	pannee 115kv	999	-0.02744	SPS	CUNNINGHAM 230KV	196	0.01248	-0.03992	43
WERE	CITY OF WINFIELD 69KV	40	-0.01592	OKGE	SOONER 345KV	537	0.02398	-0.0399	43
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	BLACKHAWK 115KV	220	0.00892	-0.0399	43
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	EVANGELINE 230KV	194	0.009	-0.03989	43
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	COMANCHE 138KV	145	0.02701	-0.0399	43
KACP	HAWTHORN 161KV	455	-0.032	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03989	43
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	CELE	EVANGELINE 230KV	194	0.009	-0.03989	43
MIPU	SIBLEY 161KV	81.27985	-0.03098	CELE	EVANGELINE 138KV	155	0.00891	-0.03989	43
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	HANSFORD 115KV	80	0.00875	-0.03989	43
CELE	ACADIA 138KV	1322	0.00825	GRDA	GRDA1 345KV	100	0.04813	-0.03988	43
MIPU	ARIES 161KV	595	-0.0331	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03988	43
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	CELE	EVANGELINE 230KV	194	0.009	-0.03988	43
MIPU	SIBLEY 69KV	37.2	-0.03114	SPS	HARRINGTON 230KV	706	0.00873	-0.03987	43
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03986	43
MIDW	Yorns 115kv	999	-0.03093	SPS	BLACKHAWK 115KV	220	0.00892	-0.03985	43
MIDW	Yorns 115kv	999	-0.03093	CELE	EVANGELINE 138KV	155	0.00891	-0.03984	43
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	BLACKHAWK 115KV	220	0.00892	-0.03982	43
KACP	LACYONE UNIT 345KV	193.1209	-0.04541	SWPA	KRESTON 161KV	156	0.00388	-0.03982	43
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	CELE	EVANGELINE 138KV	155	0.00891	-0.03981	43
EMDE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SPS	BLACKHAWK 115KV	220	0.00892	-0.03981	43
EMDE	RIVERTON 161KV	285	-0.0141	AEPW	FITZHUGH 161KV	103	0.02571	-0.03981	43
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	CELE	EVANGELINE 138KV	155	0.00891	-0.03981	43
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	BLACKHAWK 115KV	220	0.00892	-0.0398	43
LEPA	BAYOU RAMOS 138KV	36.99784	0.00747	GRDA	SALINA 161KV	37.73117	0.04726	-0.03979	43
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	CELE	EVANGELINE 138KV	155	0.00891	-0.03979	43
EMDE	RIVERTON 161KV	285	-0.0141	SWPA	OZARK 161KV	138.1037	0.02569	-0.03979	43
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	HANSFORD 115KV	80	0.00875	-0.03979	43
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	SAN JUAN 230KV	120	0.01202	-0.03972	43
MIPU	GREENWOOD 161KV	255.8	-0.03293	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03971	43
MIPU	SIBLEY 161KV	81.27985	-0.03098	SPS	HARRINGTON 230KV	706	0.00873	-0.03971	43
LEPA	BAYOU RAMOS 138KV	36.99784	0.00747	OKGE	MUSKOGEE 345KV	156	0.04717	-0.03971	43
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	TOLK 230KV	1017.828	0.01198	-0.03968	43
MIDW	Yorns 115kv	999	-0.03093	SPS	HANSFORD 115KV	80	0.00875	-0.03968	43
SPS	MOORE COUNTY 115KV	48	0.00846	GRDA	GRDA1 345KV	100	0.04813	-0.03967	43
MIDW	Yorns 115kv	999	-0.03093	SPS	HARRINGTON 230KV	706	0.00873	-0.03966	43
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	HANSFORD 115KV	80	0.00875	-0.03965	43
KACP	MONTROSE 161KV	454.2693	-0.02981	CELE	RODEMACHER 230KV	691	0.00984	-0.03965	43
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SPS	HANSFORD 115KV	80	0.00875	-0.03964	43
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SPS	HARRINGTON 230KV	706	0.00873	-0.03963	43
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	HANSFORD 115KV	80	0.00875	-0.03963	43
MIPU	LAKE ROAD 161KV	136	-0.02979	CELE	RODEMACHER 230KV	691	0.00984	-0.03963	43
MIPU	LAKE ROAD 34KV	32	-0.02979	CELE	RODEMACHER 230KV	691	0.00984	-0.03963	43
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SWPA	BEAVER 161KV	128.3201	0.01192	-0.03962	43
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SPS	HARRINGTON 230KV	706	0.00873	-0.03962	43
CELE	CLIFTON 115KV	70	-0.03061	CELE	EVANGELINE 230KV	194	0.009	-0.03961	43
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SPS	HARRINGTON 230KV	706	0.00873	-0.03961	43
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	BROKEN BOW 138KV	82.90421	0.02597	-0.03955	43
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	STEER WATER 115KV	80	0.00974	-0.03955	43
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	STEER WATER 115KV	80	0.00974	-0.03953	43
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	STEER WATER 115KV	80	0.00974	-0.03953	43
WEPL	CLIFTON 115KV	70	-0.03061	SPS	BLACKHAWK 115KV	220	0.00892	-0.03953	43
WEPL	CLIFTON 115KV	70	-0.03061	CELE	EVANGELINE 138KV	155	0.00891	-0.03952	43
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	GRDA	GRDA1 161KV	65.14481	0.04909	-0.0395	43
MIDW	pannee 115kv	999	-0.02744	SPS	SAN JUAN 230KV	120	0.01202	-0.03946	43
MIPU	RALPH GREEN 69KV	73.7	-0.03267	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03945	43
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.02777	SPS	CAPROCK 0KV	80	0.01172	-0.03942	43
MIDW	pannee 115kv	999	-0.02744	SPS	TOLK 230KV	1017.828	0.01198	-0.03942	43
SPS	HARRINGTON 230KV	360	0.00873	GRDA	GRDA1 345KV	100	0.04813	-0.03942	43
WEPL	CLIFTON 115KV	70	-0.03061	SPS	HANSFORD 115KV	80	0.00875	-0.03936	43
MIDW	pannee 115kv	999	-0.02744	SWPA	BEAVER 161KV	128.3201	0.01192	-0.03936	43
WEPL	CLIFTON 115KV	70	-0.03061	SPS	HARRINGTON 230KV	706	0.00873	-0.03934	43
CELE	TECHE 138KV	257.4614	0.00792	GRDA	SALINA 161KV	37.73117	0.04726	-0.03934	43
SPS	NICHOLS 230KV	244	0.00881	GRDA	GRDA1 345KV	100	0.04813	-0.03932	43
AEPW	FULTON 115KV	32.99999	0.0156	AEPW	COGENTRIX 345KV	965	0.05491	-0.03931	43
EMDE	LAR								

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

MIDW	tyons 115kv	999	-0.03093	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03882	44
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	CELE	TECHE 138KV	114.5396	0.00792	-0.03879	44
KACP	MONTROSE 161KV	454.2693	-0.02981	CELE	EVANGELINE 230KV	194	0.009	-0.03881	44
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	CELE	TECHE 138KV	114.5396	0.00792	-0.0388	44
SPS	MOORE COUNTY 115KV	48	0.00846	GRDA	SALINA 161KV	37.73117	0.04726	-0.0388	44
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0309	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03879	44
MIPU	LAKE ROAD 161KV	136	-0.02979	CELE	EVANGELINE 230KV	194	0.009	-0.03879	44
MIPU	LAKE ROAD 34KV	32	-0.02979	CELE	EVANGELINE 230KV	194	0.009	-0.03879	44
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	SWPA	EUFULA 138KV	45.2986	0.03787	-0.03878	44
KACP	HAWTHORN 161KV	455	-0.032	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03878	44
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03878	44
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	SWPA	EUFULA 138KV	45.2986	0.03787	-0.03878	44
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03877	44
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	BLACKHAWK 115KV	220	0.00892	-0.03873	44
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04232	SWPA	SIKESTON 161KV	235	-0.00359	-0.03873	44
KACP	MONTROSE 161KV	454.2693	-0.02981	CELE	EVANGELINE 138KV	155	0.00891	-0.03872	44
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	BLACKHAWK 115KV	220	0.00892	-0.03871	44
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	BLACKHAWK 115KV	220	0.00892	-0.03871	44
SPS	MOORE COUNTY 115KV	48	0.00846	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03871	44
MIPU	LAKE ROAD 161KV	136	-0.02979	CELE	EVANGELINE 138KV	155	0.00891	-0.0387	44
MIPU	LAKE ROAD 34KV	32	-0.02979	CELE	EVANGELINE 138KV	155	0.00891	-0.0387	44
AEPW	LIEBERMAN 138KV	272	0.01629	AEPW	COGENTRIX 345KV	965	0.05491	-0.03869	44
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	FITZHUGH 161KV	103	0.02571	-0.0386	44
EMDE	STATE LINE 161KV	223.4407	-0.01289	SWPA	OZARK 161KV	139.1037	0.02569	-0.03858	44
LEPA	TRION SUB 230KV	44	0.00678	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03858	44
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	CENTRAL WIND 34KV	30	0.02447	-0.03857	44
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	HANSFORD 115KV	80	0.00875	-0.03856	44
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	HANSFORD 115KV	80	0.00875	-0.03854	44
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	HANSFORD 115KV	80	0.00875	-0.03854	44
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	GRDA	GRDA1 345KV	100	0.04813	-0.03854	44
KACP	MONTROSE 161KV	454.2693	-0.02981	SPS	HARRINGTON 230KV	706	0.00873	-0.03854	44
SPS	HARRINGTON 230KV	360	0.00873	GRDA	SALINA 161KV	37.73117	0.04726	-0.03853	44
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEPW	WELSH 345KV	1044	0.0187	-0.03853	44
WEPL	CLIFTON 115KV	70	-0.03061	CELE	TECHE 138KV	114.5396	0.00792	-0.03853	44
MIPU	LAKE ROAD 161KV	136	-0.02979	SPS	HARRINGTON 230KV	706	0.00873	-0.03852	44
MIPU	LAKE ROAD 34KV	32	-0.02979	SPS	HARRINGTON 230KV	706	0.00873	-0.03852	44
SWPA	JONESBORO 161KV	35.8	0.00141	SWPA	WEBBERS FALLS 161KV	34.67628	0.03992	-0.03851	44
WEPL	CLIFTON 115KV	70	-0.03061	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03851	44
WERE	CITY OF BURLINGTON 69KV	59.5	-0.04208	SWPA	SIKESTON 161KV	235	-0.00359	-0.03847	44
SPS	NICHOLS 230KV	244	0.00881	GRDA	SALINA 161KV	37.73117	0.04726	-0.03845	44
MIDW	KNOLL 115KV	75.924	-0.02642	SPS	SAN JUAN 230KV	120	0.01202	-0.03844	44
SPS	HARRINGTON 230KV	360	0.00873	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03844	44
KACP	BULL CREEK 161KV	413	-0.03699	SWPA	JONESBORO 161KV	48	0.01611	-0.0384	44
MIDW	KNOLL 115KV	75.924	-0.02642	SPS	TOLK 230KV	1017.828	0.01192	-0.0384	44
EMDE	RIVERTON 161KV	295	-0.0141	WFEC	MORLND 138KV	307.34	0.02429	-0.03839	44
SPS	NICHOLS 230KV	244	0.00881	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03836	44
CELE	EVANGELINE 138KV	157	0.00891	GRDA	SALINA 161KV	37.73117	0.04726	-0.03835	44
MIDW	KNOLL 115KV	75.924	-0.02642	SWPA	BEAVER 161KV	128.3201	0.01182	-0.03833	44
SWPA	TRUMAN 161KV	89.52281	-0.0235	CELE	DOLET HILLS 345KV	370	0.01483	-0.03833	44
CELE	RODEMACHER 230KV	496	0.00984	GRDA	GRDA1 345KV	100	0.04813	-0.03829	44
CELE	EVANGELINE 230KV	231	0.009	GRDA	SALINA 161KV	37.73117	0.04726	-0.03826	44
CELE	EVANGELINE 138KV	157	0.00891	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03826	44
CELE	EVANGELINE 230KV	231	0.009	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03817	45
MIDW	KNOLL 115KV	75.924	-0.02642	SPS	CAPROCK 0KV	80	0.01172	-0.03814	45
SPS	NICHOLS 115KV	213	0.00914	GRDA	SALINA 161KV	37.73117	0.04726	-0.03812	45
EMDE	RIVERTON 161KV	295	-0.0141	OKGE	SOONER 345KV	537	0.02398	-0.03808	45
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	CZ 69KV	37.283	0.01037	-0.03807	45
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	CENTRAL WIND 34KV	30	0.02447	-0.03805	45
AEPW	NARROWS 69KV	30	0.02059	AEPW	DEC 345KV	369	0.05863	-0.03804	45
SPS	NICHOLS 115KV	213	0.00914	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03803	45
SWPA	WEBBERS FALLS 161KV	34.32372	0.03992	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.03802	45
MIPU	SIBLEY 69KV	37.2	-0.03114	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03792	45
LEPA	BAYOU RAMOS 138KV	36.99784	0.00747	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03789	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	MUSTANG 115KV	300	0.01257	-0.03788	45
EMDE	LARUSSEL 161KV	196	-0.01358	WFEC	MORLND 138KV	307.34	0.02429	-0.03787	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	MUSTANG 230KV	160	0.01252	-0.03783	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.03781	45
MIDW	pawnee 115kv	999	-0.02744	SPS	CZ 69KV	37.283	0.01037	-0.03781	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.03778	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	CUNNINGHAM 230KV	196	0.01248	-0.03778	45
AEPW	KNOXLEE 138KV	268	0.01713	SWPA	COGENTRIX 345KV	965	0.05491	-0.03776	45
KACP	MARSHALL 161KV	54.1	-0.02293	CELE	DOLET HILLS 345KV	370	0.01483	-0.03776	45
MIPU	SIBLEY 161KV	81.27985	-0.03098	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03776	45
AEPW	PIRKEY GENERATION 138KV	65	0.01717	AEPW	COGENTRIX 345KV	965	0.05491	-0.03774	45
AEPW	LEBROCK 345KV	532	0.01718	AEPW	COGENTRIX 345KV	965	0.05491	-0.03773	45
KACP	MONTROSE 161KV	454.2693	-0.02981	CELE	TECHE 138KV	114.5396	0.00792	-0.03773	45
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	JONESBORO 161KV	48	0.01611	-0.03772	45
MIPU	LAKE ROAD 161KV	136	-0.02979	CELE	TECHE 138KV	114.5396	0.00792	-0.03771	45
MIPU	LAKE ROAD 34KV	32	-0.02979	CELE	TECHE 138KV	114.5396	0.00792	-0.03771	45
MIDW	tyons 115kv	999	-0.03093	SWPA	CITY OF HOLMA SUB 115KV	114.5396	0.00792	-0.03771	45
KACP	MONTROSE 161KV	454.2693	-0.02981	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.0377	45
CELE	NATCHITOCHES 69KV	43	0.01139	GRDA	GRDA1 161KV	65.14481	0.04909	-0.0377	45
AEPW	EASTMAN 138KV	330.01	0.01723	AEPW	COGENTRIX 345KV	965	0.05491	-0.03768	45
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0309	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03768	45
MIPU	LAKE ROAD 161KV	136	-0.02979	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03768	45
MIPU	LAKE ROAD 34KV	32	-0.02979	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03768	45
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	GRDA	SALINA 161KV	37.73117	0.04726	-0.03767	45
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03089	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03767	45
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03088	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03766	45
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03758	45
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	SOONER 345KV	537	0.02398	-0.03756	45
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEPW	WILKES 138KV	241.442	0.01771	-0.03754	45
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	CELE	RODEMACHER 230KV	691	0.00984	-0.03754	45
WERE	GILL ENERGY CENTER 138KV	118	-0.03636	SWPA	JONESBORO 161KV	48	0.01611	-0.03747	45
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	STEER WATER 115KV	80	0.00974	-0.03744	45
CELE	TECHE 138KV	257.4614	0.00792	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03744	45
CELE	RODEMACHER 230KV	496	0.00984	GRDA	SALINA 161KV	37.73117	0.04726	-0.03742	45
WEPL	CLIFTON 115KV	70	-0.03061	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03742	45
SPS	PLANTX 230KV	189	0.01174	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03735	45
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	SAN JUAN 230KV	120	0.01202	-0.03733	46
CELE	RODEMACHER 230KV	496	0.00984	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03732	46
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	AEPW	WILKES 345KV	308	0.01749	-0.03732	46
WEPL	A. M. MULLERGRN GENERATOR 115KV	63	-0.02531	SPS	TOLK 230KV	1017.828	0.01198	-0.03729	46
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Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

KACP	MARSHALL 161KV	54.1	-0.02293	SPS	JONES 230KV	268.9326	0.01359	-0.03652	47
SWPA	JONESBORO 161KV	35.8	0.00741	SWPA	EUFALLA 138KV	45.2396	0.03787	-0.03646	47
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	HANSFORD 115KV	80	0.00875	-0.03645	47
CELE	EVANGELINE 138KV	157	0.00891	OKGEE	MUSKOGEE 161KV	115	0.04536	-0.03645	47
SWPA	JONESBORO 161KV	35.8	0.00741	SWPA	EUFALLA 161KV	61.87923	0.03786	-0.03645	47
MIDW	Lawnee 115kv	999	-0.02744	CELE	EVANGELINE 230KV	194	0.009	-0.03644	47
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SPS	HARRINGTON 230KV	706	0.00873	-0.03643	47
SPS	PLANTX 230KV	189	0.0174	GRDA	GRDA1 345KV	100	0.04813	-0.03643	47
MIDW	Lawnee 115kv	999	-0.02744	SPS	BLACKHAWK 115KV	220	0.00892	-0.03636	47
CELE	EVANGELINE 230KV	231	0.009	OKGEE	MUSKOGEE 161KV	115	0.04536	-0.03636	47
MIDW	Lawnee 115kv	999	-0.02744	CELE	EVANGELINE 138KV	155	0.00891	-0.03635	47
MIDW	KNOLL 115KV	75.924	-0.02842	CELE	RODSMACHER 230KV	691	0.00994	-0.03629	47
SPS	PLANTX 115KV	253	0.01187	GRDA	GRDA1 345KV	100	0.04813	-0.03626	47
MIPU	SOUTH HARPER 161KV	315	-0.03485	SWPA	JONESBORO 161KV	48	0.00141	-0.03626	47
SPS	NICHOLS 115KV	213	0.00914	OKGEE	MUSKOGEE 161KV	115	0.04536	-0.03622	47
SWPA	BEAVER 161KV	37.27985	0.01192	GRDA	GRDA1 345KV	100	0.04813	-0.03621	47
MIDW	Lawnee 115kv	999	-0.02744	SPS	HANSFORD 115KV	80	0.00875	-0.03619	47
AEPW	WELEETKA 138KV	162	0.04176	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.03618	47
MIDW	Lawnee 115kv	999	-0.02744	SPS	HARRINGTON 230KV	706	0.00873	-0.03617	47
MIDW	KNOLL 115KV	75.924	-0.02842	SPS	STEER WATER 115KV	80	0.00974	-0.03616	47
SPS	TOLK 230KV	62.17163	0.01186	GRDA	GRDA1 345KV	100	0.04813	-0.03615	47
KACP	BULL CREEK 161KV	413	-0.03699	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03615	47
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	MUSTANG 115KV	300	0.01257	-0.03607	47
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	MUSTANG 230KV	160	0.01252	-0.03602	47
WERE	EVANS ENERGY CENTER 138KV	344.7419	-0.0346	SWPA	JONESBORO 161KV	48	0.00141	-0.03601	47
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.03599	47
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.03599	47
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	CUNNINGHAM 230KV	196	0.01248	-0.03598	47
OKGEE	SOUTH 4TH ST 69KV	42.7	0.02376	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.03593	47
CELE	NATCHITOCHES 69KV	43	0.01139	GRDA	SALINA 161KV	37.73117	0.04726	-0.03587	47
CELE	NATCHITOCHES 69KV	43	0.01139	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03578	47
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	OKGEE	MUSKOGEE 161KV	115	0.04536	-0.03577	47
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	SPS	CZ 69KV	37.283	0.01037	-0.03568	48
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	WELSH 345KV	1044	0.0187	-0.03568	48
SPS	CUNNINGHAM 230KV	110	0.01248	GRDA	GRDA1 345KV	100	0.04813	-0.03565	48
SPS	CUNNINGHAM 115KV	181	0.0125	GRDA	GRDA1 345KV	100	0.04813	-0.03563	48
SPS	MADDOX 115KV	193	0.0125	GRDA	GRDA1 345KV	100	0.04813	-0.03563	48
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	CELE	TECHE 138KV	114.5396	0.00792	-0.03562	48
SPS	MUSTANG 230KV	300	0.01252	GRDA	GRDA1 345KV	100	0.04813	-0.03561	48
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03559	48
SPS	PLANTX 230KV	189	0.01174	GRDA	SALINA 161KV	37.73117	0.04726	-0.03552	48
CELE	RODSMACHER 230KV	496	0.00984	OKGEE	MUSKOGEE 161KV	115	0.04536	-0.03552	48
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	SAN JUAN 230KV	120	0.01202	-0.03552	48
SWPA	JONES 230KV	217.0674	0.01359	GRDA	GRDA1 161KV	65.14481	0.04929	-0.03545	48
WERE	LAWRENCE ENERGY CENTER 230KV	46.44669	-0.03409	SWPA	JONESBORO 161KV	48	0.00141	-0.0355	48
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	MUSTANG 115KV	300	0.01257	-0.0355	48
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	TOLK 230KV	1017.829	0.01198	-0.03548	48
SWPA	LP-HOLL 69KV	154	0.01363	GRDA	GRDA1 161KV	65.14481	0.04929	-0.03548	48
WERE	GETTY 69KV	35	-0.05895	SWPA	TRUMAN 161KV	90.47272	-0.0235	-0.03545	48
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	MUSTANG 230KV	160	0.01252	-0.03545	48
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.03543	48
SPS	PLANTX 230KV	189	0.01174	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03543	48
MIDW	KNOLL 115KV	75.924	-0.02842	CELE	EVANGELINE 230KV	194	0.009	-0.03542	48
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.03542	48
SWPA	TRUMAN 161KV	89.52281	-0.0235	SWPA	BEAVER 161KV	128.3201	0.01192	-0.03542	48
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	CUNNINGHAM 230KV	196	0.01248	-0.03541	48
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.0354	48
SPS	PLANTX 115KV	253	0.01187	GRDA	SALINA 161KV	37.73117	0.04726	-0.03539	48
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SWPA	JONESBORO 161KV	48	0.00141	-0.03539	48
MIDW	Lawnee 115kv	999	-0.02744	CELE	TECHE 138KV	114.5396	0.00792	-0.03536	48
MIDW	BEAVER 161KV	37.27985	0.01192	GRDA	SALINA 161KV	37.73117	0.04726	-0.03534	48
MIDW	KNOLL 115KV	75.924	-0.02842	SPS	BLACKHAWK 115KV	220	0.00892	-0.03534	48
MIDW	KNOLL 115KV	75.924	-0.02842	CELE	EVANGELINE 138KV	155	0.00891	-0.03533	48
MIDW	Lawnee 115kv	999	-0.02744	SWPA	GREERS FERRY 161KV	82.90421	0.00789	-0.03533	48
SPS	PLANTX 115KV	253	0.01187	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.0353	48
SPS	TOLK 230KV	62.17163	0.01186	GRDA	SALINA 161KV	37.73117	0.04726	-0.03529	48
SWPA	BEAVER 161KV	37.27985	0.01192	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03529	48
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	CAPROCK 0KV	80	0.01172	-0.03522	48
SPS	TOLK 230KV	62.17163	0.01186	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03519	48
MIDW	KNOLL 115KV	75.924	-0.02842	SPS	HANSFORD 115KV	80	0.00875	-0.03517	48
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	CELE	RODSMACHER 230KV	691	0.00994	-0.03515	48
WERE	GILL ENERGY CENTER 69KV	118	-0.03606	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03515	48
MIDW	KNOLL 115KV	75.924	-0.02842	SPS	HARRINGTON 230KV	706	0.00873	-0.03515	48
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.02531	SPS	STEER WATER 115KV	80	0.00974	-0.03505	48
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	JONESBORO 161KV	48	0.00141	-0.035	49
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	SAN JUAN 230KV	120	0.01202	-0.03495	49
KACP	NEARMAN 161KV	80	-0.03351	SWPA	JONESBORO 161KV	48	0.00141	-0.03492	49
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	TOLK 230KV	1017.829	0.01198	-0.03491	49
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	OKGEE	REDBUD 345KV	150	0.03399	-0.0349	49
KACP	QUINDARO 161KV	142.5347	-0.03348	SWPA	JONESBORO 161KV	48	0.00141	-0.03488	49
KACP	QUINDARO 69KV	105	-0.03347	SWPA	JONESBORO 161KV	48	0.00141	-0.03488	49
KACP	KAW 69KV	242	-0.03346	SWPA	JONESBORO 161KV	48	0.00141	-0.03487	49
OKGEE	SOUTH 4TH ST 69KV	42.7	0.02376	AEPW	OEC 345KV	369	0.05863	-0.03487	49
KACP	MARSHALL 161KV	54.1	-0.02293	SWPA	BEAVER 161KV	128.3201	0.01192	-0.03485	49
SPS	CUNNINGHAM 230KV	110	0.01248	GRDA	SALINA 161KV	37.73117	0.04726	-0.03478	49
SPS	CUNNINGHAM 115KV	181	0.0125	GRDA	SALINA 161KV	37.73117	0.04726	-0.03476	49
SPS	MADDOX 115KV	193	0.0125	GRDA	SALINA 161KV	37.73117	0.04726	-0.03476	49
SPS	MUSTANG 230KV	300	0.01252	GRDA	SALINA 161KV	37.73117	0.04726	-0.03474	49
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW	WILKES 138KV	241.462	0.01771	-0.03469	49
SPS	CUNNINGHAM 230KV	110	0.01248	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03469	49
SPS	CUNNINGHAM 115KV	181	0.0125	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03467	49
SPS	MADDOX 115KV	193	0.0125	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03467	49
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	CELE	DOLET HILLS 345KV	370	0.01483	-0.03466	49
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	CAPROCK 0KV	80	0.01172	-0.03465	49
SPS	MUSTANG 230KV	300	0.01252	OKGEE	MUSKOGEE 345KV	1548	0.04717	-0.03465	49
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	WELSH 345KV	1044	0.0187	-0.03462	49
AEPW	TULSA POWER STATION 138KV	307	0.05744	AEPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.03459	49
AEPW	TULSA POWER STATION 69KV	80	0.05744	AEPW	NORTHEASTERN STATION 138KV	468	0.09203	-0.03459	49
SPS	JONES 230KV	217.0674	0.01359	GRDA	GRDA1 345KV	100	0.04813	-0.03454	49
MIPU	ARIES 161KV	595	-0.0331	SWPA	JONESBORO 161KV	48	0.00141	-0.03451	49
SPS	LP-HOLL 69KV	154	0.01363	GRDA	GRDA1 345KV	100	0.04813	-0.0345	49
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SWPA	JONESBORO 161KV	48	0.00141	-0.03449	49
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.0277	LEPA	CITY OF HOLMA SUB 115KV	87	0.02678	-0.03448	49
WEPL	CIMARRON RIVER 115KV	72	-0.01698	AEPW					

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

KACP	BULL CREEK 161KV	413	-0.03699	SWPA	SIKESTON 161KV	235	-0.00359	-0.0334	51
AEPW	OC 345KV	1778.03	0.05863	AEPW	NORTHEASTERN STATION 138KV	468	0.02623	-0.0334	51
SPS	TOLK 230KV	62.17163	0.01198	OKGE	MUSKOGEE 161KV	115	0.04536	-0.0338	51
SWPA	TRUMAN 161KV	89.52281	-0.0235	CELE	RODEMACHER 230KV	691	0.00984	-0.0334	51
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	CZ 69KV	37.283	0.01037	-0.0333	51
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	STEER WATER 115KV	80	0.00974	-0.0334	51
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	CELE	TECHE 138KV	114.5396	0.00792	-0.0332	51
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	SWPA	GREENS FERRY 161KV	82.90421	0.00789	-0.0334	51
MIDW	KNOLL 115KV	75.924	-0.02642	LEPA	CITY OF HOUMA SUB 115KV	67	0.00678	-0.0332	51
WERE	LAWRENCE ENERGY CENTER 230KV	46.4469	-0.03409	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.0318	51
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	EASTMAN 138KV	155	0.01723	-0.0315	51
LEPA	IRION SUB 230KV	44	0.00678	SWPA	WEBBERS FALLS 161KV	34.67628	0.00992	-0.0338	51
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	OKGE	HORSESHOE LAKE 138KV	166	0.0322	-0.0331	51
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	LEBROCK 345KV	165	0.01718	-0.0331	51
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.03309	51
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03307	51
WERE	CITY OF WINFIELD 69KV	40	-0.01592	AEPW	KNOLLE 138KV	164	0.01713	-0.03305	51
AEPW	ARSENAL HILL 69KV	110	0.01605	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03304	51
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	SWPA	ROBERT S. KERR 161KV	284.7839	0.0321	-0.03301	51
SWPA	OZARK 161KV	56.39631	0.02569	AEPW	OC 345KV	369	0.05863	-0.03294	52
SPS	CUNNINGHAM 230KV	110	0.01248	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03286	52
SPS	CUNNINGHAM 115KV	181	0.01225	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03286	52
SPS	MADDOX 115KV	193	0.01225	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03286	52
SPS	MUSTANG 230KV	300	0.01252	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03284	52
AEPW	LIEBERMAN 138KV	272	0.01629	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03283	52
AEPW	RIVERTON 161KV	285	-0.0141	AEPW	WELSH 345KV	1094	0.0187	-0.0326	52
KACP	MARSHALL 161KV	54.1	-0.02293	CELE	RODEMACHER 230KV	691	0.00984	-0.03277	52
WERE	GILL ENERGY CENTER 138KV	285	-0.03631	SWPA	SIKESTON 161KV	235	-0.00359	-0.03272	52
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03268	52
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	STEER WATER 115KV	80	0.00974	-0.03267	52
KACP	NEARMAN 161KV	80	-0.03351	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.0326	52
SWPA	JONESBORO 161KV	35.8	0.00141	OKGE	REDDUB 345KV	150	0.03399	-0.03258	52
OKGE	MUSKOGEE 161KV	51	0.04536	AEPW	NORTHEASTERN STATION 345KV	625	0.07794	-0.03258	52
KACP	QUINDARO 161KV	142.5347	-0.03348	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03257	52
KACY	QUINDARO 69KV	105	-0.0347	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03246	52
MIDW	SIBLEY 69KV	37.2	-0.03114	SWPA	JONESBORO 161KV	48	0.00141	-0.03255	52
KACY	KAW 69KV	242	-0.03346	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03255	52
SWPA	TRUMAN 161KV	89.52281	-0.0235	CELE	EVANGELINE 230KV	194	0.009	-0.0325	52
WERE	GILL ENERGY CENTER 69KV	118	-0.03698	SWPA	SIKESTON 161KV	235	-0.00359	-0.03247	52
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	BLACKHAWK 115KV	220	0.00892	-0.03242	52
SWPA	TRUMAN 161KV	89.52281	-0.0235	CELE	EVANGELINE 138KV	165	0.00891	-0.03241	52
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	MUSTANG 115KV	300	0.01257	-0.0324	52
MIDW	SIBLEY 161KV	81.27985	-0.03098	SWPA	JONESBORO 161KV	48	0.00141	-0.03239	52
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	MUSTANG 230KV	150	0.01257	-0.03235	53
SWPA	KEYSTONE DAM 161KV	64.8828	0.05969	AEPW	NORTHEASTERN STATION 138KV	468	0.02623	-0.03234	53
MIDW	Yorns 115KV	999	-0.03093	SWPA	JONESBORO 161KV	48	0.00141	-0.03234	53
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	HOBBS PLT21 18 000 115KV	10299	0.0125	-0.03233	53
MIDW	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	HOBBS PLT13 18 000 230KV	202	0.01269	-0.03232	53
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0309	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03231	53
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	CUNNINGHAM 230KV	196	0.01248	-0.03231	53
KACP	LACYGNE UNIT 345KV	193.1299	-0.04341	EMDE	RIVERTON 69KV	49.94283	-0.0111	-0.03231	53
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03098	SWPA	JONESBORO 161KV	48	0.00141	-0.0323	53
WERE	HUTCHINSON ENERGY CENTER 69KV	53	-0.03098	SWPA	JONESBORO 161KV	48	0.00141	-0.03229	53
EMDE	LARUSSEL 161KV	196	-0.01359	AEPW	WELSH 345KV	1044	0.0187	-0.03228	53
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	HANSFORD 115KV	80	0.00875	-0.03225	53
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	OKGE	SEMINOLE 345KV	450.3653	0.03132	-0.03223	53
SWPA	TRUMAN 161KV	89.52281	-0.0235	SPS	HARRINGTON 230KV	706	0.00873	-0.03223	53
MIDW	ARIES 161KV	595	0.0331	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03219	53
AEPW	SOUTHWESTERN STATION 138KV	265	0.0275	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.03219	53
AEPW	SOUTHWESTERN STATION 138KV	982	0.0275	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.03219	53
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03308	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03217	53
WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.02531	LEPA	CITY OF HOUMA SUB 115KV	67	0.00678	-0.03209	53
AEPW	ARSENAL HILL 69KV	110	0.01605	GRDA	GRDA1 345KV	100	0.04813	-0.03208	53
WEPL	CLIFTON 115KV	70	-0.03061	SWPA	JONESBORO 161KV	48	0.00141	-0.03202	53
MIDW	GREENWOOD 161KV	255.8	-0.03293	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03202	53
AEPW	KNOLLE 138KV	259	0.01713	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03196	53
KACP	MARSHALL 161KV	54.1	-0.02293	CELE	EVANGELINE 230KV	194	0.009	-0.03194	53
AEPW	PIRKEY GENERATION 138KV	65	0.01717	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03192	53
AEPW	LEBROCK 345KV	532	0.01718	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03191	53
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	AEPW	FLINT CREEK 161KV	400	0.03096	-0.03187	53
WFEC	ANADARKO 138KV	126.1978	0.02783	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.03186	53
AEPW	EASTMAN 138KV	330.01	0.01723	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03186	53
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	SAN JUAN 230KV	120	0.01202	-0.03185	53
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	BLACKHAWK 115KV	220	0.00892	-0.03185	53
WFEC	ANADARKO 69KV	76	0.02785	SWPA	KEYSTONE DAM 161KV	135.3172	0.05969	-0.03184	53
AEPW	LIEBERMAN 138KV	272	0.01629	GRDA	GRDA1 345KV	100	0.04813	-0.03184	53
KACP	MARSHALL 161KV	54.1	-0.02293	CELE	EVANGELINE 138KV	165	0.00891	-0.03184	53
WEPL	CIMARRON RIVER 115KV	72	-0.01698	CELE	DOLET HILLS 345KV	370	0.01483	-0.03181	53
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	TOLK 230KV	1017.828	0.01198	-0.03181	53
EMDE	RIVERTON 161KV	285	-0.0141	AEPW	WILKES 138KV	241.442	0.0171	-0.03181	53
SPS	JONES 230KV	217.0674	0.01359	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03177	53
MIDW	RALPH GREEN 69KV	73.7	-0.03267	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03176	53
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SWPA	BEAVER 161KV	128.3201	0.01192	-0.03175	54
SPS	LP-HOLL 69KV	154	0.01363	OKGE	MUSKOGEE 161KV	115	0.04536	-0.03173	54
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	HANSFORD 115KV	80	0.00875	-0.03168	54
KACP	MARSHALL 161KV	54.1	-0.02293	SPS	HARRINGTON 230KV	706	0.00873	-0.03166	54
EMDE	RIVERTON 161KV	295	-0.0141	AEPW	WILKES 345KV	308	0.01749	-0.03159	54
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	WILKES 345KV	1044	0.0187	-0.03159	54
WEPL	JUDSON LARGE 115KV	69.91309	-0.01983	SPS	CARROCK 0KV	80	0.01172	-0.03155	54
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	SWPA	DENISON 138KV	52.81158	0.0306	-0.03151	54
KACP	NORTHEAST 13KV	277	-0.03237	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03146	54
KACP	NORTHEAST 161KV	277	-0.03237	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03146	54
SWPA	TRUMAN 161KV	89.52281	-0.0235	CELE	TECHE 138KV	114.5396	0.00792	-0.03142	54
SWPA	TRUMAN 161KV	89.52281	-0.0235	SWPA	GREENS FERRY 161KV	82.90421	0.00789	-0.03138	54
AEPW	WILKES 138KV	246.558	0.01717	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03138	54
EMDE	RIVERTON 161KV	295	-0.0141	AEPW	EASTMAN 138KV	155	0.01723	-0.03133	54
EMDE	LARUSSEL 161KV	196	-0.01359	AEPW	EASTMAN 138KV	241.442	0.01771	-0.03129	54
EMDE	RIVERTON 161KV	285	-0.0141	AEPW	LEBROCK 345KV	165	0.01718	-0.03128	54
EMDE	RIVERTON 161KV	285	-0.0141	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.03127	54
MIDW	SOUTH HARPER 161KV	315	-0.03485	SWPA	SIKESTON 161KV	235	-0.00359	-0.03126	54
AEPW	LONESTAR POWER PLANT 69KV	50	0.01786	GRDA	GRDA1 161KV	65.14481	0.04909	-0.03123	54
EMDE	RIVERTON 161KV	295	-0.0141	AEPW	KNOLLE 138KV	164	0.01713	-0.03123	54
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.0423	EMDE	RIVERTON 69KV	49.94283	-0.0111		

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

EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	WILKES 138KV	241.442	0.01771	-0.0306	56
WEPL	COMARRON RIVER 116KV	72	-0.01698	SFS	JONES 230KV	268.9326	0.01359	-0.03057	56
KACP	LACYONE UNIT 345KV	193.1299	-0.04341	EMDE	STATE LINE 161KV	382.5593	-0.1289	-0.03052	56
WERE	LAWRENCE ENERGY CENTER 230KV	46.4669	-0.03409	SWPA	SIKESTON 161KV	235	-0.00359	-0.0305	56
SWPA	BULL SHOALS 161KV	139.9906	-0.00091	OKGE	AES 161KV	320	0.02955	-0.03046	56
AEPW	WILKES 138KV	246.558	0.01771	GRDA	GRDA1 345KV	100	0.04813	-0.03042	56
EMDE	TECUMSEH ENERGY CENTER 69KV	41	-0.03398	SWPA	SIKESTON 161KV	235	-0.00359	-0.03039	56
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	WILKES 345KV	308	0.01749	-0.03038	56
SWPA	TRUMAN 161KV	89.52281	-0.0235	LEPA	CITY OF HOLMA SUB 115KV	67	0.00678	-0.03028	56
AEPW	LONESTAR POWER PLANT 69KV	50	0.01786	GRDA	GRDA1 345KV	100	0.04813	-0.03027	56
AEPW	KNOXLEE 138KV	259	0.01713	GRDA	SALINA 161KV	37.73117	0.04726	-0.03013	56
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	EASTMAN 138KV	155	0.01722	-0.03012	56
AEPW	PIRKEY GENERATION 138KV	65	0.01717	GRDA	SALINA 161KV	37.73117	0.04726	-0.03009	56
AEPW	LEBROCK 345KV	532	0.01718	GRDA	SALINA 161KV	37.73117	0.04726	-0.03008	56
MIPU	SIBLEY 161KV	81.27985	-0.03098	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03007	56
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	LEBROCK 345KV	165	0.01718	-0.03007	56
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	PIRKEY GENERATION 138KV	223	0.01717	-0.03006	57
AEPW	KNOXLEE 138KV	259	0.01713	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03004	57
AEPW	EASTMAN 138KV	330.01	0.01723	GRDA	SALINA 161KV	37.73117	0.04726	-0.03003	57
MIDW	YONS 115KV	999	-0.03093	SWPA	BULL SHOALS 161KV	249.6094	-0.00091	-0.03002	57
EMDE	STATE LINE 161KV	223.4407	-0.01289	AEPW	KNOXLEE 138KV	164	0.01713	-0.03002	57
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03359	SWPA	SIKESTON 161KV	235	-0.00359	-0.03	57
AEPW	PIRKEY GENERATION 138KV	65	0.01717	OKGE	MUSKOGEE 345KV	1548	0.04717	-0.03	57

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW & COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE

Limiting Facility: COFFEYVILLE TAP - DEARING 138KV CKT 1

Direction: From->To

Line Outage: NEOSHO (NEOSH01X) 345/138/13.8KV TRANSFORMER CKT 1

Flowgate: 2007AG1AFSA1170633085P

Date Redispatch Needed: 6/1/08 - 10/1/08

Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.0	12.4
1222644	7.3	12.4
1222932	4.2	12.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	NORTHEASTERN STATION 138KV	488	0.04248	-0.43016	29
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.43016	29
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.40996	30
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.40996	30
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	KEYSTONE DAM 161KV	152.1992	0.02069	-0.40839	30
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	KEYSTONE DAM 161KV	152.1992	0.02069	-0.40839	30
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.40732	30
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.40732	30
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	OEC 345KV	369	0.01904	-0.40674	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	OEC 345KV	369	0.01904	-0.40674	31
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	COGENTRIX 345KV	865	0.01823	-0.40593	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	COGENTRIX 345KV	865	0.01823	-0.40593	31
WERE	CHANUTE 69KV	24.563	-0.3877	GRDA	GRDA1 161KV	110	0.01791	-0.40561	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	GRDA	GRDA1 161KV	110	0.01791	-0.40561	31
WERE	CHANUTE 69KV	24.563	-0.3877	GRDA	GRDA1 345KV	199.6243	0.01716	-0.40486	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	GRDA	GRDA1 345KV	199.6243	0.01716	-0.40486	31
WERE	CHANUTE 69KV	24.563	-0.3877	GRDA	SALINA 161KV	37.15694	0.01714	-0.40484	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	GRDA	SALINA 161KV	37.15694	0.01714	-0.40484	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MUSKOGEE 345KV	1548	0.01546	-0.40316	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MUSKOGEE 345KV	1548	0.01546	-0.40316	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MUSKOGEE 161KV	166	0.01537	-0.40307	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MUSKOGEE 161KV	166	0.01537	-0.40307	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	BOOMER 69KV	24	0.01403	-0.40173	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	GRDA	BOOMER 69KV	24	0.01403	-0.40173	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	WEBBERS FALLS 161KV	39.54781	0.01345	-0.40115	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	WEBBERS FALLS 161KV	39.54781	0.01345	-0.40115	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	EUFULA 138KV	51.73174	0.01262	-0.40032	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	EUFULA 138KV	51.73174	0.01262	-0.40032	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	EUFULA 161KV	70.60683	0.01262	-0.40032	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	EUFULA 161KV	70.60683	0.01262	-0.40032	31
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	TONTITOWN 161KV	68.09399	0.01091	-0.39861	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	TONTITOWN 161KV	68.09399	0.01091	-0.39861	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	ROBERT S. KERR 161KV	317.77066	0.01073	-0.39843	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	ROBERT S. KERR 161KV	317.77066	0.01073	-0.39843	31
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	FLINT CREEK 161KV	400	0.01058	-0.39828	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	FLINT CREEK 161KV	400	0.01058	-0.39828	31
WERE	CHANUTE 69KV	24.563	-0.3877	GRDA	PENSACOLA 161KV	33	0.0105	-0.3982	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	GRDA	PENSACOLA 161KV	33	0.0105	-0.3982	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	REBUD 345KV	150	0.00988	-0.39758	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	REBUD 345KV	150	0.00988	-0.39758	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	AES 161KV	320	0.00985	-0.39755	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	AES 161KV	320	0.00985	-0.39755	31
WERE	CHANUTE 69KV	24.563	-0.3877	OMPA	OMPA-PONCA CITY 69KV	106.6934	0.0096	-0.3973	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OMPA	OMPA-PONCA CITY 69KV	106.6934	0.0096	-0.3973	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	HORSESHOE LAKE 138KV	796	0.00923	-0.39693	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	HORSESHOE LAKE 138KV	796	0.00923	-0.39693	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	SEMINOLE 138KV	340.3636	0.00915	-0.39685	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	SEMINOLE 138KV	340.3636	0.00915	-0.39685	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	DENISON 138KV	60.32041	0.00905	-0.39675	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	DENISON 138KV	60.32041	0.00905	-0.39675	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	SEMINOLE 345KV	1019	0.00898	-0.39668	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	SEMINOLE 345KV	1019	0.00898	-0.39668	31
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	FITZHUGH 161KV	85	0.00858	-0.39628	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	FITZHUGH 161KV	85	0.00858	-0.39628	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	OZARK 161KV	131.6263	0.00857	-0.39627	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	OZARK 161KV	131.6263	0.00857	-0.39627	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MCCLAIR 138KV	470	0.00841	-0.39611	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MCCLAIR 138KV	470	0.00841	-0.39611	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	SMITH COGEN 138KV	107	0.00838	-0.39608	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	SMITH COGEN 138KV	107	0.00838	-0.39608	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MUSTANG 138KV	351	0.00831	-0.39601	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MUSTANG 138KV	351	0.00831	-0.39601	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MUSTANG 69KV	59.26653	0.00831	-0.39601	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MUSTANG 69KV	59.26653	0.00831	-0.39601	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	MUSTANG 39KV	450	0.00829	-0.39599	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	MUSTANG 39KV	450	0.00829	-0.39599	31
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	BROKEN BOW 138KV	94.67506	0.00802	-0.39572	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	BROKEN BOW 138KV	94.67506	0.00802	-0.39572	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	SOONER 138KV	535	0.00796	-0.39566	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	SOONER 138KV	535	0.00796	-0.39566	31
WERE	CHANUTE 69KV	24.563	-0.3877	OKGE	SPGCK182 13.200 345KV	78	0.00768	-0.39538	31
WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	SPGCK182 13.200 345KV	78	0.00768	-0.39538	31
WERE	CHANUTE								

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

WERE	CITY OF ERIE 69KV	24.53	-0.3877	OKGE	'SOONER 345KV'	537	0.00559	-0.39329	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	WILKES 138KV	425.3487	0.00546	-0.39316	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	WILKES 138KV	425.3487	0.00546	-0.39316	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	WILKES 345KV	308	0.0054	-0.3931	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	WILKES 345KV	308	0.0054	-0.3931	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	EASTMAN 138KV	165	0.00532	-0.39302	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	EASTMAN 138KV	165	0.00532	-0.39302	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	LEBROCK 345KV	115	0.0053	-0.393	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	LEBROCK 345KV	115	0.0053	-0.393	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	PIRKEY GENERATION 138KV	263	0.0053	-0.393	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	PIRKEY GENERATION 138KV	263	0.0053	-0.393	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	KNOXLEE 138KV	284	0.00529	-0.39299	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	KNOXLEE 138KV	284	0.00529	-0.39299	32
WERE	CHANUTE 69KV	24.563	-0.3877	AEPW	LIEBERMAN 138KV	156	0.00504	-0.39274	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	AEPW	LIEBERMAN 138KV	156	0.00504	-0.39274	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	DOLET HILLS 345KV	370	0.00461	-0.39231	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	DOLET HILLS 345KV	370	0.00461	-0.39231	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	RODEMACHER 230KV	651	0.00311	-0.39081	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	RODEMACHER 230KV	651	0.00311	-0.39081	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	D.G. HUNTER POWER STATION 138KV	90	0.00303	-0.39073	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	D.G. HUNTER POWER STATION 138KV	90	0.00303	-0.39073	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	EVANGELINE 230KV	234	0.00285	-0.39055	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	EVANGELINE 230KV	234	0.00285	-0.39055	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	EVANGELINE 138KV	165	0.00282	-0.39052	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	EVANGELINE 138KV	165	0.00282	-0.39052	32
WERE	CHANUTE 69KV	24.563	-0.3877	CELE	ACADIA 138KV	80	0.00262	-0.39032	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	CELE	ACADIA 138KV	80	0.00262	-0.39032	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	GREERS FERRY 161KV	94.67506	0.00261	-0.39031	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	GREERS FERRY 161KV	94.67506	0.00261	-0.39031	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	TECHE 138KV	334.3594	0.00252	-0.39022	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	TECHE 138KV	334.3594	0.00252	-0.39022	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	BEAVER 161KV	142.0412	0.00251	-0.39021	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	BEAVER 161KV	142.0412	0.00251	-0.39021	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	LP-MACK2 69KV	60	0.00239	-0.39009	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	LP-MACK2 69KV	60	0.00239	-0.39009	32
WERE	CHANUTE 69KV	24.563	-0.3877	LEPA	BAYOU RAMOS 138KV	34.0112	0.00237	-0.39007	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	LEPA	BAYOU RAMOS 138KV	34.0112	0.00237	-0.39007	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	JONES 230KV	486	0.00237	-0.39007	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	JONES 230KV	486	0.00237	-0.39007	32
WERE	CHANUTE 69KV	24.563	-0.3877	LEPA	CITY OF HOLMA SUB 115KV	85	0.00216	-0.38986	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	LEPA	CITY OF HOLMA SUB 115KV	85	0.00216	-0.38986	32
WERE	CHANUTE 69KV	24.563	-0.3877	LEPA	IRION SUB 230KV	24	0.00216	-0.38986	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	LEPA	IRION SUB 230KV	24	0.00216	-0.38986	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	MUSTANG 115KV	300	0.00199	-0.38969	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	MUSTANG 115KV	300	0.00199	-0.38969	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	MUSTANG 230KV	460	0.00197	-0.38967	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	MUSTANG 230KV	460	0.00197	-0.38967	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	HOBBS PL121 18.000 115KV	10299	0.00196	-0.38966	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	HOBBS PL121 18.000 115KV	10299	0.00196	-0.38966	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	MADDOX 115KV	118	0.00196	-0.38966	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	MADDOX 115KV	118	0.00196	-0.38966	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	HOBBS PL171 18.000 115KV	10299	0.00196	-0.38966	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	HOBBS PL171 18.000 115KV	10299	0.00196	-0.38966	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	MADDOX 115KV	118	0.00196	-0.38966	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	MADDOX 115KV	118	0.00196	-0.38966	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	CUNNINGHAM 230KV	277.9902	0.00195	-0.38965	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	CUNNINGHAM 230KV	277.9902	0.00195	-0.38965	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	SAN JUAN 230KV	120	0.00178	-0.38948	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	SAN JUAN 230KV	120	0.00178	-0.38948	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	TOLK 230KV	1024.618	0.00178	-0.38948	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	TOLK 230KV	1024.618	0.00178	-0.38948	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	PLANTX 115KV	205	0.00171	-0.38941	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	PLANTX 115KV	205	0.00171	-0.38941	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	CAPROCK 69KV	80	0.00167	-0.38937	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	CAPROCK 69KV	80	0.00167	-0.38937	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	PLANTX 230KV	189	0.00167	-0.38937	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	PLANTX 230KV	189	0.00167	-0.38937	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	STEER WATER 115KV	80	0.00094	-0.38864	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	STEER WATER 115KV	80	0.00094	-0.38864	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	NICHOLS 115KV	82	0.00073	-0.38843	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	NICHOLS 115KV	82	0.00073	-0.38843	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	BLACKHAWK 115KV	220	0.00063	-0.38833	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	BLACKHAWK 115KV	220	0.00063	-0.38833	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	JONESBORO 161KV	50.2	0.0006	-0.3883	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	JONESBORO 161KV	50.2	0.0006	-0.3883	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	HANSFORD 115KV	80	0.00059	-0.38827	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	HANSFORD 115KV	80	0.00059	-0.38827	32
WERE	CHANUTE 69KV	24.563	-0.3877	SPS	HARRINGTON 230KV	1066	0.00056	-0.38826	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SPS	HARRINGTON 230KV	1066	0.00056	-0.38826	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	BULL SHOALS 161KV	282.2275	-0.00029	-0.38741	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	BULL SHOALS 161KV	282.2275	-0.00029	-0.38741	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	SIREXTON 161KV	235	-0.00097	-0.38673	32
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	SIREXTON 161KV	235	-0.00097	-0.38673	32
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	CLARENCE CANNON DAM 69KV	39.93411	-0.00591	-0.38179	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	CLARENCE CANNON DAM 69KV	39.93411	-0.00591	-0.38179	33
WERE	CHANUTE 69KV	24.563	-0.3877	SWPA	TRUMAN 161KV	103.4635	-0.00845	-0.37625	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	SWPA	TRUMAN 161KV	103.4635	-0.00845	-0.37625	33
WERE	CHANUTE 69KV	24.563	-0.3877	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4757	-0.00964	-0.37806	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4757	-0.00964	-0.37806	33
WERE	CHANUTE 69KV	24.563	-0.3877	EMDE	RIVERTON 69KV	50.21772	-0.01044	-0.37726	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	RIVERTON 69KV	50.21772	-0.01044	-0.37726	33
WERE	CHANUTE 69KV	24.563	-0.3877	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	-0.0106	-0.37706	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	-0.0106	-0.37706	33
WERE	CHANUTE 69KV	24.563	-0.3877	WEPL	GRAY COUNTY WIND FARM 115KV	110	-0.01075	-0.37695	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WEPL	GRAY COUNTY WIND FARM 115KV	110	-0.01075	-0.37695	33
WERE	CHANUTE 69KV	24.563	-0.3877	WEPL	JUDSON LARGE 115KV	105.4012	-0.01077	-0.37693	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WEPL	JUDSON LARGE 115KV	105.4012	-0.01077	-0.37693	33
WERE	CHANUTE 69KV	24.563	-0.3877	EMDE	RIVERTON 161KV	190	-0.01083	-0.37687	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	RIVERTON 161KV	190	-0.01083	-0.37687	33
WERE	CHANUTE 69KV	24.563	-0.3877	EMDE	STATE LINE 161KV	582.7666	-0.0114	-0.3763	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	STATE LINE 161KV	582.7666	-0.0114	-0.3763	33
WERE	CHANUTE 69KV	24.563	-0.3877	EMDE	LARUSSEL 161KV	100	-0.01145	-0.37625	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	LARUSSEL 161KV	100	-0.01145	-0.37625	33
WERE	CHANUTE 69KV	24.563	-0.3877	KACP	MONTROSE 161KV	366.1902	-0.01177	-0.37593	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	KACP	MONTROSE 161KV	366.1902	-0.01177	-0.37593	33
WERE	CHANUTE 69KV	24.563	-0.3877	MIPU	LAKE ROAD 161KV	35	-0.012	-0.3757	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	MIPU	LAKE ROAD 161KV	35	-0.012	-0.3757	33
WERE	CHANUTE 69KV	24.563	-0.3877	MIPU	LAKE ROAD 34KV	92	-0.012	-0.3757	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	MIPU	LAKE ROAD 34KV	92	-0.012	-0.3757	33
WERE	CHANUTE 69KV	24.563	-0.3877	MIPU	SIBLEY 161KV	230.1165	-0.01214	-0.37556	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	MIPU	SIBLEY 161KV	230.1165	-0.01214	-0.37556	33
WERE	CHANUTE 69KV	24.563	-0.3877	MIPU	SIBLEY 69KV	45.99999	-0.01223	-0.37547	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	MIPU	SIBLEY 69KV	45.99999	-0.01223	-0.37547	33
WERE	CHANUTE 69KV	24.563	-0.3877	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.01239	-0.37531	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.01239	-0.37531	33
WERE</									

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

WERE	CITY OF ERIE 69KV	24.53	-0.3877	MIFPU	SOUTH HARPER 161KV	315	-0.01364	-0.37406	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	SMOKEY HILLS 34KV	126	-0.01395	-0.37375	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	SMOKEY HILLS 34KV	126	-0.01395	-0.37375	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.014	-0.3737	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.014	-0.3737	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.014	-0.3737	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.014	-0.3737	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	BPJ - CITY OF MCPHERSON 115KV	22,405.676	-0.01418	-0.37352	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	BPJ - CITY OF MCPHERSON 115KV	22,405.676	-0.01418	-0.37352	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	CLIFTON 115KV	36,555.68	-0.01468	-0.37302	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	CLIFTON 115KV	36,555.68	-0.01468	-0.37302	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	ABILENE ENERGY CENTER 115KV	40	-0.01486	-0.37284	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	ABILENE ENERGY CENTER 115KV	40	-0.01486	-0.37284	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.01504	-0.37266	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.01504	-0.37266	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.01513	-0.37257	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.01513	-0.37257	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	LAWRENCE ENERGY CENTER 230KV	231,078.1	-0.01521	-0.37249	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	LAWRENCE ENERGY CENTER 230KV	231,078.1	-0.01521	-0.37249	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.01634	-0.37136	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.01634	-0.37136	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	EMPORIA ENERGY CENTER 345KV	150	-0.01646	-0.37124	33
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	EMPORIA ENERGY CENTER 345KV	150	-0.01646	-0.37124	33
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	CITY OF WINFIELD 69KV	26,310.01	-0.01797	-0.36973	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	CITY OF WINFIELD 69KV	26,310.01	-0.01797	-0.36973	34
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	ELK RIVER 345KV	45,275.62	-0.01827	-0.36943	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	ELK RIVER 345KV	45,275.62	-0.01827	-0.36943	34
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.01928	-0.36842	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.01928	-0.36842	34
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	EVANS ENERGY CENTER 138KV	520	-0.02393	-0.36377	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	EVANS ENERGY CENTER 138KV	520	-0.02393	-0.36377	34
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	GILL ENERGY CENTER 138KV	155	-0.02589	-0.36181	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	GILL ENERGY CENTER 138KV	155	-0.02589	-0.36181	34
WERE	CHANUTE 69KV	24.563	-0.3877	WERE	GILL ENERGY CENTER 69KV	52	-0.02591	-0.36178	34
WERE	CITY OF ERIE 69KV	24.53	-0.3877	WERE	GILL ENERGY CENTER 69KV	52	-0.02591	-0.36178	34
WERE	CHANUTE 69KV	24.563	-0.3877	EMDE	ASBURY 161KV	191	-0.03601	-0.35169	35
WERE	CITY OF ERIE 69KV	24.53	-0.3877	EMDE	ASBURY 161KV	191	-0.03601	-0.35169	35
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	NORTHEASTERN STATION 138KV	498	0.04246	-0.33848	37
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	NORTHEASTERN STATION 138KV	498	0.04246	-0.33848	37
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	KEYSTONE DAM 161KV	152,199.2	0.02069	-0.31671	39
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.31564	39
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	OEC 345KV	369	0.01904	-0.31506	39
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	COGENTRIX 345KV	865	0.01823	-0.31425	39
WERE	CITY OF IOLA 69KV	42.878	-0.29602	GRDA	GRDA1 161KV	110	0.01792	-0.31126	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	GRDA	GRDA1 345KV	199,624.3	0.01716	-0.31318	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	GRDA	SALINA 161KV	37,156.94	0.01714	-0.31316	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	MUSKOGEE 345KV	1548	0.01546	-0.31148	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	MUSKOGEE 161KV	166	0.01537	-0.31147	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	WEBBERS FALLS 161KV	39,547.81	0.01345	-0.30947	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	EUFULA 138KV	51,731.74	0.01262	-0.30864	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	EUFULA 161KV	70,606.83	0.01262	-0.30864	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	TONTITOWN 161KV	68,093.99	0.01091	-0.30693	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	ROBERT S. KERER 161KV	317,790.6	0.00980	-0.30545	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	FLINT CREEK 161KV	400	0.01058	-0.3066	40
WERE	CITY OF IOLA 69KV	42.878	-0.29602	GRDA	PENSACOLA 161KV	33	0.0105	-0.30652	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	REDBUD 345KV	150	0.00988	-0.3059	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	AES 161KV	320	0.00985	-0.30587	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	OMPA-PONCA CITY 69KV	106,699.24	0.0096	-0.30562	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	HORSESHOE LAKE 138KV	796	0.00923	-0.30525	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SEMINOLE 138KV	340,363.6	0.00915	-0.30517	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	DENISON 138KV	60,320.41	0.00905	-0.30507	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SEMINOLE 345KV	1019	0.00888	-0.305	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	FITZLUIGH 161KV	85	0.00858	-0.3046	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	OZARK 161KV	131,626.3	0.00857	-0.30459	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	MCCLAIN 138KV	470	0.00841	-0.30443	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SMITH COGEN 138KV	107	0.00838	-0.30438	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	MUSTANG 138KV	851	0.00827	-0.30433	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	MUSTANG 69KV	59,269.53	0.00831	-0.30433	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WFEC	HUGO 138KV	450	0.00829	-0.30431	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	BROKEN BOW 138KV	94,675.06	0.00802	-0.30404	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SOONER 138KV	320	0.00796	-0.30398	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SPGCK182 13,200 345KV	78	0.00768	-0.3037	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SPGCK3&4 13,200 345KV	43,999.99	0.00768	-0.3037	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WFEC	ANADARKO 138KV	320,073.8	0.0076	-0.30362	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WFEC	ANADARKO 69KV	46	0.00759	-0.30361	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	SOUTHWESTERN STATION 138KV	297	0.00747	-0.30349	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	SOUTHWESTERN STATION 138KV	1025	0.00747	-0.30349	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	COMANCHE 69KV	60	0.00739	-0.30341	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	COMANCHE 138KV	145	0.00733	-0.30335	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WFEC	MORLAND 138KV	320	0.00598	-0.30198	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	WELSH 345KV	1044	0.00575	-0.30177	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	OKGE	SOONER 345KV	537	0.00559	-0.30161	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	WILKES 138KV	425,348.7	0.00546	-0.30148	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	WILKES 345KV	308	0.0054	-0.30142	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	EASTMAN 138KV	155	0.00532	-0.30134	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	LEBROCK 345KV	315	0.0053	-0.30132	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	PIRKEY GENERATION 138KV	253	0.0053	-0.30132	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	KNOXLEE 138KV	284	0.00529	-0.30131	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	AEPW	LIEBERMAN 138KV	156	0.00524	-0.30108	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	DOLET HILLS 345KV	370	0.00461	-0.30063	41
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	RODEMACHER 230KV	651	0.00311	-0.29913	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	D.G. HUNTER POWER STATION 138KV	90	0.00303	-0.29905	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	EVANGELINE 230KV	234	0.00285	-0.29887	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	EVANGELINE 138KV	165	0.00282	-0.29884	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	ACADIA 138KV	80	0.00262	-0.29864	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	GREERS FERRY 161KV	94,675.06	0.00261	-0.29863	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	CELE	TECHE 138KV	334,399.4	0.00252	-0.29854	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	BEAVER 161KV	142,047.2	0.00251	-0.29853	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	LP-MACK2 69KV	80	0.00239	-0.29841	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	LEPA	BAYOU RAMOS 138KV	34,011.2	0.00237	-0.29839	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	JONES 230KV	486	0.00237	-0.29839	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	LEPA	CITY OF HOUMA SUB 115KV	85	0.00216	-0.29818	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	MUSTANG 115KV	320	0.00199	-0.29801	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	MUSTANG 230KV	460	0.00197	-0.29799	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	HOBBS PLT21 18,000 115KV	10299	0.00196	-0.29798	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	HOBBS PLT31 18,000 230KV	202	0.00196	-0.29798	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	MADOX 115KV	118	0.00196	-0.29798	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	CUNNINGHAM 230KV	277,990.02	0.00195	-0.29797	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	SAN JUAN 230KV	120	0.00178	-0.2978	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	TOLK 230KV	1024,618	0.00176	-0.29778	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	PLANTX 115KV	205	0.00171	-0.29773	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	CARRCOCK OKV	80	0.00167	-0.29769	42
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SPS	PLANTX 230KV	189	0.00167	-0.2	

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

WERE	CITY OF IOLA 69KV	42.878	-0.29602	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.01239	-0.28363	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	MIDW	KNOLL 115KV	41.97696	-0.01262	-0.2834	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACP	HAWTHORN 161KV	727.9832	0.01286	-0.28338	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	MIPU	GREENWOOD 161KV	184.5549	-0.01295	-0.28307	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACP	IATAN 345KV	396	-0.01312	-0.2829	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACY	QUINDARO 69KV	116.2344	-0.01332	-0.2827	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACY	QUINDARO 161KV	118.0177	-0.01333	-0.28269	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACY	NEARMAN 161KV	77	-0.01335	-0.28267	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACY	NEARMAN 20KV	235	-0.01335	-0.28267	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	SWPA	CARTHAGE 69KV	30	-0.01338	-0.28264	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	KACP	LACYNE UNIT 345KV	958	-0.01363	-0.28239	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	MIPU	SOUTH HARPER 161KV	315	-0.01364	-0.2823	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	SMOKEY HILLS 340KV	126	-0.01395	-0.28207	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.014	-0.28202	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.014	-0.28202	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WEPL	CLIFTON 115KV	36.55598	-0.01468	-0.28194	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	ABILENE ENERGY CENTER 115KV	40	-0.01486	-0.28116	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.01504	-0.28098	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.01513	-0.28089	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	LAWRENCE ENERGY CENTER 230KV	231.0781	-0.01521	-0.28081	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.01534	-0.27968	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	EMPORIA ENERGY CENTER 345KV	150	-0.01646	-0.27956	44
WERE	CITY OF IOLA 69KV	42.878	-0.29602	EMDE	ELK RIVER 345KV	45.27562	-0.01827	-0.27775	45
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.01928	-0.27674	45
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	EVANS ENERGY CENTER 138KV	520	-0.02393	-0.27209	46
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	GILL ENERGY CENTER 138KV	165	-0.02569	-0.27278	46
WERE	CITY OF IOLA 69KV	42.878	-0.29602	WERE	GILL ENERGY CENTER 69KV	52	-0.02591	-0.27011	46
WERE	CITY OF IOLA 69KV	42.878	-0.29602	EMDE	ASBURY 161KV	191	-0.03601	-0.26001	48
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05992	211
KACP	BULL CREEK 161KV	413	-0.01495	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05741	216
WERE	BPU - CITY OF MCPHERSON 115KV	189.5942	-0.01418	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05664	218
MIDW	Iyons 115kv	999	-0.01413	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05659	219
MIDW	pwanee 115kv	999	-0.01404	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.0565	220
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.014	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05646	220
KACY	KAW 69KV	242	-0.01332	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05578	223
MIPU	ARIES 161KV	594.9985	-0.01301	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05547	224
KACP	NORTHEAST 13KV	277	-0.01284	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.0553	225
KACP	NORTHEAST 161KV	277	-0.01284	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.0553	225
EMDE	LARUSSEL 161KV	198	-0.01145	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.05391	230
SPS	NICHOLS 230KV	244	0.00959	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.04187	237
CELE	ACADIA 138KV	1182	0.00262	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.03984	312
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.03872	321
KACP	BULL CREEK 161KV	413	-0.01495	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.03721	334
AEPW	LEBROCK 345KV	382	0.0083	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.03716	334
AEPW	EASTMAN 138KV	330.01	0.00532	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.03714	334
MIDW	Iyons 115kv	999	-0.01413	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.03639	341
MIDW	pwanee 115kv	999	-0.01404	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.0363	342
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03608	344
KACY	KAW 69KV	242	-0.01332	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.03558	349
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	AEPW	OEC 345KV	369	0.01904	-0.0355	350
MIPU	ARIES 161KV	594.9985	-0.01301	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.03527	352
KACP	NORTHEAST 13KV	277	-0.01284	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.0351	354
KACP	NORTHEAST 161KV	277	-0.01284	AEPW	NORTHEASTERN STATION 345KV	625	0.02226	-0.0351	354
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	AEPW	COGENTRIX 345KV	865	0.01823	-0.03469	358
KACP	BULL CREEK 161KV	413	-0.01495	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03457	359
KACP	BULL CREEK 161KV	413	-0.01495	AEPW	OEC 345KV	369	0.01904	-0.03399	365
MIDW	Iyons 115kv	999	-0.01413	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03375	368
MIDW	pwanee 115kv	999	-0.01404	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03375	368
KACP	BULL CREEK 161KV	413	-0.01495	AEPW	COGENTRIX 345KV	865	0.01823	-0.03318	374
MIDW	Iyons 115kv	999	-0.01413	AEPW	OEC 345KV	369	0.01904	-0.03317	374
MIDW	pwanee 115kv	999	-0.01404	AEPW	OEC 345KV	369	0.01904	-0.03307	375
AEPW	KIDWA 345KV	1348	0.0098	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.03286	378
MIPU	ARIES 161KV	594.9985	-0.01301	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03263	380
OKGE	REDBUD 345KV	1050	0.00988	AEPW	NORTHEASTERN STATION 138KV	488	0.04246	-0.03258	381
KACP	NORTHEAST 13KV	277	-0.01284	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03246	382
KACP	NORTHEAST 161KV	277	-0.01284	AEPW	TULSA POWER STATION 138KV	299	0.01962	-0.03246	382
MIDW	Iyons 115kv	999	-0.01413	AEPW	COGENTRIX 345KV	865	0.01823	-0.03188	384
MIDW	pwanee 115kv	999	-0.01404	AEPW	COGENTRIX 345KV	865	0.01823	-0.03227	385
MIPU	ARIES 161KV	594.9985	-0.01301	AEPW	OEC 345KV	369	0.01904	-0.03205	387
WERE	EMPORIA ENERGY CENTER 345KV	283	-0.01646	OKGE	MUSKOGEE 345KV	1548	0.01546	-0.03192	389
KACP	NORTHEAST 13KV	277	-0.01284	AEPW	OEC 345KV	369	0.01904	-0.03188	389
KACP	NORTHEAST 161KV	277	-0.01284	AEPW	OEC 345KV	369	0.01904	-0.03188	389
MIPU	ARIES 161KV	594.9985	-0.01301	AEPW	COGENTRIX 345KV	865	0.01823	-0.03124	397
KACP	NORTHEAST 13KV	277	-0.01284	AEPW	COGENTRIX 345KV	865	0.01823	-0.03107	400
KACP	NORTHEAST 161KV	277	-0.01284	AEPW	COGENTRIX 345KV	865	0.01823	-0.03107	400
KACP	BULL CREEK 161KV	413	-0.01495	OKGE	MUSKOGEE 345KV	1548	0.01546	-0.03041	408

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW & COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE
 Limiting Facility: COFFEYVILLE TAP - DEARING 138KV CKT 1
 Direction: From > To
 Line Outage: NEDSHO (NEOSH01X) 345/138/13.8KV TRANSFORMER CKT 1
 Flowgate: 2007AG1AFSA1171413095P
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.0	15.9
1222644	8.4	15.9
1222932	4.2	15.9
1222943	2.3	15.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MWh)
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	NORTHEASTERN STATION 138KV	488	0.04268	-0.33846	47
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	NORTHEASTERN STATION 345KV	625	0.02244	-0.31825	50
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	KEYSTONE DAM 161KV	151.118	0.02087	-0.31668	50
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	TULSA POWER STATION 138KV	299	0.0198	-0.31561	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	OEC 345KV	369	0.01922	-0.31503	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	COGENTRIX 345KV	865	0.01841	-0.31422	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	GRDA	GRDA1 161KV	125.475	0.01808	-0.31389	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	GRDA	GRDA1 345KV	220	0.01732	-0.31313	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	GRDA	SALINA 161KV	37.52019	0.01731	-0.31312	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	MUSKOGEE 345KV	1548	0.01563	-0.31144	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	MUSKOGEE 161KV	166	0.01553	-0.31134	51
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	WEBBERS FALLS 161KV	39.26688	0.0136	-0.30941	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	EUFALLA 138KV	51.36425	0.01277	-0.30858	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	EUFALLA 161KV	70.10526	0.01277	-0.30858	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	TONTITOWN 161KV	163.8579	0.01105	-0.30696	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	ROBERT S. KERR 161KV	315.5232	0.01085	-0.30666	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	FLINT CREEK 161KV	400	0.01073	-0.30654	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	REDBUD 345KV	150	0.01012	-0.30593	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	AES 161KV	320	0.00997	-0.30578	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	OMPA-PONCA CITY 69KV	106.8713	0.00997	-0.30578	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	HORSESHOE LAKE 138KV	796	0.00946	-0.30527	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	SEMINOLE 138KV	345.326	0.00937	-0.30518	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	DENISON 138KV	59.89191	0.00922	-0.30503	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	SEMINOLE 345KV	1019	0.0092	-0.30501	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	FITZLUIGH 161KV	109	0.00868	-0.30449	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	OZARK 161KV	150.3247	0.00867	-0.30448	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	MCCLAIN 138KV	470	0.00865	-0.30446	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	SMITH COGEN 138KV	107	0.00862	-0.30443	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	MUSTANG 138KV	351	0.00855	-0.30438	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	MUSTANG 69KV	74.3252	0.00855	-0.30436	52
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WFEC	HUGO 138KV	450	0.00844	-0.30425	52

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

Source	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-0.29581	OKGE	SOONER 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	WELSH 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	WILKES 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	WILKES 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	EASTMAN 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	LEBROCK 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	PIRKEY GENERATION 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	KNOWLES 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	AEPW	LIEBERMAN 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	CELE	DOLET HILLS 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	CELE	RODEMACHER 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	CELE	EVANGELINE 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	CELE	EVANGELINE 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	GREERS FERRY 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	BEAVER 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	CELE	TECHE 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	LEPA	BAYOU RAMOS 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	LEPA	CITY OF HOUMA SUB 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	LP-MACK2 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	JONES 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	MUSTANG 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	CUNNINGHAM 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	HOBBS_PLT21 18.000 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	MADOX 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	MUSTANG 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	CUNNINGHAM 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	HOBBS_PLT31 18.000 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	SAN JUAN 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	TOLK 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	PLANTX 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	PLANTX 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	CAPROCK 0KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	CZ 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	JONESBORO 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	STEER WATER 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	NICHOLS 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	BLACKHAWK 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	HANSFORD 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SPS	HARRINGTON 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	BULL SHOALS 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	SIKESTON 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	CLARENCE GANNON DAM 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	SWPA	TRUMAN 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	RIVERTON 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	RIVERTON 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	STATE LINE 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	PARSONS 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	MONTROSE 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WEPL	GRAY COUNTY WIND FARM 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WEPL	JUDSON LARGE 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	LAKE ROAD 34KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	SIBLEY 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	SIBLEY 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	HAWTHORN 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	GREENWOOD 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	WATAN 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	QUINDARO 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	QUINDARO 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	NEARMAN 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	NEARMAN 20KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	LACY ONE UNIT 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	SOUTH HARPER 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WEPL	A. M. MULLERGEN GENERATOR 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	MIPU	KNOLL 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	KACP	BULL CREEK 161KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WEPL	CLIFTON 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	LAWRENCE ENERGY CENTER 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	JEFFREY ENERGY CENTER 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	SMOKEY HILLS 34KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	JEFFREY ENERGY CENTER 230KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	EMPORIA ENERGY CENTER 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	TECUMSEH ENERGY CENTER 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	ELK RIVER 345KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	HUTCHINSON ENERGY CENTER 115KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	CITY OF BURLINGTON 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	EVANS ENERGY CENTER 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	GILL ENERGY CENTER 138KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	WERE	GILL ENERGY CENTER 69KV
WERE	CITY OF IOLA 69KV	42.878	-0.29581	EMDE	ASBURY 161KV
WERE	HUTCHINSON ENERGY CENTER 115KV	234.950	-0.01806	AEPW	NORTHEASTERN STATION 138KV
MIDW	Iyons 115kv	999	-0.01744	AEPW	NORTHEASTERN STATION 138KV
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.01702	AEPW	NORTHEASTERN STATION 138KV
WERE	EMPORIA ENERGY CENTER 345KV	241	-0.01674	AEPW	NORTHEASTERN STATION 138KV
MIDW	pawnee 115kv	999	-0.01624	AEPW	NORTHEASTERN STATION 138KV
KACP	BULL CREEK 161KV	345.4885	-0.01508	AEPW	NORTHEASTERN STATION 138KV
KACP	KAW 69KV	242	-0.01348	AEPW	NORTHEASTERN STATION 138KV
MIPU	ARIES 161KV	595	-0.01313	AEPW	NORTHEASTERN STATION 138KV
KACP	NORTHEAST 138KV	277	-0.013	AEPW	NORTHEASTERN STATION 138KV
KACP	NORTHEAST 161KV	277	-0.013	AEPW	NORTHEASTERN STATION 138KV
CELE	ACADIA 138KV	1322	0.00266	AEPW	NORTHEASTERN STATION 138KV
MIDW	Iyons 115kv	999	-0.01744	AEPW	NORTHEASTERN STATION 345KV
CELE	RODEMACHER 230KV	296	0.00315	AEPW	NORTHEASTERN STATION 138KV
MIDW	pawnee 115kv	999	-0.01624	AEPW	NORTHEASTERN STATION 345KV
KACP	BULL CREEK 161KV	345.4885	-0.01508	AEPW	NORTHEASTERN STATION 345KV
AEPW	LEBROCK 345KV	532	0.00539	AEPW	NORTHEASTERN STATION 138KV
AEPW	EASTMAN 138KV	330.011	0.00541	AEPW	NORTHEASTERN STATION 138KV
MIDW	Iyons 115kv	999	-0.01744	AEPW	TULSA POWER STATION 138KV
MIDW	Iyons 115kv	999	-0.01744	AEPW	OEC 345KV
MIDW	pawnee 115kv	999	-0.01624	AEPW	TULSA POWER STATION 138KV
MIDW	Iyons 115kv	999	-0.01744	AEPW	COGENTRIX 345KV
MIPU	ARIES 161KV	595	-0.01313	AEPW	NORTHEASTERN STATION 345KV
MIDW	pawnee 115kv	999	-0.01624	AEPW	OEC 345KV
KACP	BULL CREEK 161KV	345.4885	-0.01508	AEPW	OEC 345KV
KACP	BULL CREEK 161KV	345.4885	-0.01508	AEPW	COGENTRIX 345KV
MIDW	Iyons 115kv	999	-0.01744	OKGE	MUSKOGEE 345KV
AEPW	KIDWA 345KV	1346	0.00977	AEPW	NORTHEASTERN STATION 138KV
OKGE	REBUD 345KV	1050	0.01012	AEPW	NORTHEASTERN STATION 138KV
MIPU	ARIES 161KV	595	-0.01313	AEPW	OEC 345KV
MIDW	pawnee 115kv	999	-0.01624	OKGE	MUSKOGEE 345KV
MIPU	ARIES 161KV	595	-0.01313	AEPW	COGENTRIX 345KV

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW & COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE
 Limiting Facility: COFFEYVILLE TAP - DEARING 138KV CKT 1
 Direction: From->To
 Line Outage: DELAWARE - NEOSHO 345KV CKT 1
 Flowgate: 2007AG1AFSA11813309SP
 Date Redispatch Needed: Starting 2009 8/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	0.4	8.3								
1222644	1.9	8.3								
1222932	0.7	8.3								
1222943	0.8	8.3								
1223092	1.1	8.3								
1223093	1.1	8.3								
1223094	1.1	8.3								
1223095	1.1	8.3								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)	
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.30531	27	

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

WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.30531	27
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	NORTHEASTERN STATION 345KV	625	0.07783	-0.29122	29
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	NORTHEASTERN STATION 345KV	625	0.07783	-0.29122	29
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.27298	30
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.27298	30
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	OEC 345KV	369	0.05862	-0.27191	31
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	OEC 345KV	369	0.05862	-0.27191	31
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.27073	31
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.27073	31
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	COGENTRIX 345KV	965	0.0549	-0.26819	31
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	COGENTRIX 345KV	965	0.0549	-0.26819	31
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.26237	32
WERE	CHANUTE 69KV	24.563	-0.21329	GRDA	GRDA1 161KV	125.906	0.04908	-0.26237	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	GRDA	GRDA1 161KV	125.906	0.04908	-0.26237	32
WERE	CHANUTE 69KV	24.563	-0.21329	GRDA	GRDA1 345KV	220	0.04812	-0.26141	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	GRDA	GRDA1 345KV	220	0.04812	-0.26141	32
WERE	CHANUTE 69KV	24.563	-0.21329	GRDA	SALINA 161KV	37.61968	0.04725	-0.26054	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	GRDA	SALINA 161KV	37.61968	0.04725	-0.26054	32
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.26045	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.26045	32
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.25864	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.25864	32
WERE	CHANUTE 69KV	24.563	-0.21329	GRDA	BOOMER 69KV	24	0.04345	-0.25674	32
WERE	CITY OF ERIE 69KV	24.53	-0.21329	GRDA	BOOMER 69KV	24	0.04345	-0.25674	32
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	WEBBERS FALLS 161KV	38.54854	0.0399	-0.25318	33
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	WEBBERS FALLS 161KV	38.54854	0.0399	-0.25318	33
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	EUFALLA 138KV	51.7327	0.03785	-0.25114	33
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	EUFALLA 138KV	51.7327	0.03785	-0.25114	33
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	EUFALLA 161KV	70.60814	0.03784	-0.25113	33
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	EUFALLA 161KV	70.60814	0.03784	-0.25113	33
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	NORTHEASTERN STATION 345KV	625	0.07783	-0.24844	33
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	REBUD 345KV	150	0.03399	-0.24728	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	REBUD 345KV	150	0.03399	-0.24728	34
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	TONTITOWN 161KV	163.8979	0.03277	-0.24606	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	TONTITOWN 161KV	163.8979	0.03277	-0.24606	34
WERE	CHANUTE 69KV	24.563	-0.21329	GRDA	PENSACOLA 161KV	33	0.03252	-0.24581	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	GRDA	PENSACOLA 161KV	33	0.03252	-0.24581	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.24549	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.24549	34
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	ROBERT S. KERR 161KV	317.7865	0.03208	-0.24537	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	ROBERT S. KERR 161KV	317.7865	0.03208	-0.24537	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.24496	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.24496	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.2446	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.2446	34
WERE	CHANUTE 69KV	24.563	-0.21329	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.24431	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.24431	34
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	FLINT CREEK 161KV	0.03095	0.03095	-0.24424	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	FLINT CREEK 161KV	400	0.03095	-0.24424	34
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	DENISON 138KV	60.32151	0.0306	-0.24389	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	DENISON 138KV	60.32151	0.0306	-0.24389	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	MCCLAIN 138KV	470	0.03021	-0.2435	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	MCCLAIN 138KV	470	0.03021	-0.2435	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.24348	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.24348	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	MUSTANG 138KV	351	0.03006	-0.24336	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	MUSTANG 138KV	351	0.03006	-0.24336	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	MUSTANG 69KV	74.3252	0.03005	-0.24334	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	MUSTANG 69KV	74.3252	0.03005	-0.24334	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	AES 161KV	320	0.02955	-0.24284	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	AES 161KV	320	0.02955	-0.24284	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SPGCK182 13.200 345KV	78	0.02875	-0.24204	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SPGCK182 13.200 345KV	78	0.02875	-0.24204	34
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SOONER 138KV	535	0.02858	-0.24187	34
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SOONER 138KV	535	0.02858	-0.24187	34
WERE	CHANUTE 69KV	24.563	-0.21329	WFEC	ANADARKO 69KV	76	0.02785	-0.24114	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	WFEC	ANADARKO 69KV	76	0.02785	-0.24114	35
WERE	CHANUTE 69KV	24.563	-0.21329	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.24111	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.24111	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.24079	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.24079	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	1046	0.0275	-0.24079	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	SOUTHWESTERN STATION 138KV	1046	0.0275	-0.24079	35
WERE	CHANUTE 69KV	24.563	-0.21329	WFEC	HUGO 138KV	450	0.0273	-0.24059	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	WFEC	HUGO 138KV	450	0.0273	-0.24059	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	COMANCHE 69KV	60	0.02719	-0.24048	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	COMANCHE 69KV	60	0.02719	-0.24048	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	COMANCHE 138KV	145	0.02701	-0.24043	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	COMANCHE 138KV	145	0.02701	-0.24043	35
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	BROKEN BOW 138KV	94.67881	0.02597	-0.23926	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	BROKEN BOW 138KV	94.67881	0.02597	-0.23926	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	FITZHUGH 161KV	109	0.02566	-0.23895	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	FITZHUGH 161KV	109	0.02566	-0.23895	35
WERE	CHANUTE 69KV	24.563	-0.21329	SWPA	OZARK 161KV	151.043	0.02564	-0.23893	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SWPA	OZARK 161KV	151.043	0.02564	-0.23893	35
WERE	CHANUTE 69KV	24.563	-0.21329	WFEC	MORLIND 138KV	320	0.02429	-0.23758	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	WFEC	MORLIND 138KV	320	0.02429	-0.23758	35
WERE	CHANUTE 69KV	24.563	-0.21329	OKGGE	SOONER 345KV	537	0.02398	-0.23727	35
WERE	CITY OF ERIE 69KV	24.53	-0.21329	OKGGE	SOONER 345KV	537	0.02398	-0.23727	35
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	WELSH 345KV	1044	0.0187	-0.23199	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	WELSH 345KV	1044	0.0187	-0.23199	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	WILKES 138KV	421.735	0.01771	-0.231	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	WILKES 138KV	421.735	0.01771	-0.231	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	WILKES 345KV	308	0.01749	-0.23078	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	WILKES 345KV	308	0.01749	-0.23078	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	EASTMAN 138KV	155	0.01723	-0.23052	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	EASTMAN 138KV	155	0.01723	-0.23052	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	LEBROCK 345KV	165	0.01718	-0.23047	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	LEBROCK 345KV	165	0.01718	-0.23047	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.23046	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.23046	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	KNOXLEE 138KV	284	0.01713	-0.23042	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	KNOXLEE 138KV	284	0.01713	-0.23042	36
WERE	CITY OF IOLA 69KV	42.878	-0.17051	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.2302	36
WERE	CHANUTE 69KV	24.563	-0.21329	AEPW	LIEBERMAN 138KV	156	0.01629	-0.22958	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	AEPW	LIEBERMAN 138KV	156	0.01629	-0.22958	36
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	OEC 345KV	369	0.05862	-0.22913	36
WERE	CHANUTE 69KV	24.563	-0.21329	CELE	DOLET HILLS 345KV	370	0.01483	-0.22812	36
WERE	CITY OF ERIE 69KV	24.53	-0.21329	CELE	DOLET HILLS 345KV	370	0.01483	-0.22812	36
WERE	CITY OF IOLA 69KV	42.878	-0.17051	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.22795	37
WERE	CHANUTE 69KV	24.563	-0.21329	SPS	LP-MACK2 69KV	80	0.01365	-0.22694	37
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SPS	LP-MACK2 69KV	80	0.01365	-0.22694	37
WERE	CHANUTE 69KV	24.563	-0.21329	SPS	JONES 230KV	486	0.0136	-0.22689	37
WERE	CITY OF ERIE 69KV	24.53	-0.21329	SPS	JONES 230KV	486	0.0136	-0.22689	

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

WERE	CITY OF IOLA 69KV	-0.17051	KOJGE	SPGCK182 13.200 345KV	78	0.02875	-0.19928	42	
WERE	CITY OF IOLA 69KV	-0.17051	LOKGE	SOONER 138KV	535	0.02858	-0.19909	42	
WERE	CITY OF IOLA 69KV	-0.17051	WFEC	ANADARKO 69KV	76	0.02765	-0.19936	42	
WERE	CITY OF IOLA 69KV	-0.17051	WFEC	ANADARKO 138KV	345,799	0.02782	-0.19833	42	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	SOUTHWESTERN STATION 138KV	322	0.0275	-0.19801	42	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	SOUTHWESTERN STATION 138KV	1046	0.0275	-0.19801	42	
WERE	CITY OF IOLA 69KV	-0.17051	WFEC	HUSSO 138KV	450	0.0273	-0.19781	42	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	COMANCHE 69KV	60	0.02719	-0.19717	42	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	COMANCHE 138KV	145	0.02701	-0.19752	42	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	BROKEN BOW 138KV	94,678	0.02597	-0.19648	42	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	FITZJUGH 161KV	109	0.02566	-0.19617	42	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	OZARK 161KV	161,403	0.02564	-0.19637	42	
WERE	CITY OF IOLA 69KV	-0.17051	WFEC	MORLIND 138KV	320	0.02429	-0.1948	43	
WERE	CITY OF IOLA 69KV	-0.17051	KOJGE	SOONER 345KV	537	0.02398	-0.19449	43	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	WELSH 345KV	1044	0.0187	-0.18921	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	WILKES 138KV	421,735	0.01771	-0.18922	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	WILKES 345KV	308	0.01749	-0.188	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	EASTMAN 138KV	165	0.01723	-0.18774	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	LIEBERMAN 345KV	165	0.01718	-0.18769	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	PIRKEY GENERATION 138KV	243	0.01717	-0.18768	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	KNOXLEE 138KV	234	0.01713	-0.18764	44	
WERE	CITY OF IOLA 69KV	-0.17051	AEWP	LIEBERMAN 138KV	156	0.01629	-0.1868	45	
WERE	CITY OF IOLA 69KV	-0.17051	CELE	DOLET HILLS 345KV	370	0.01483	-0.18534	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	LP-MACK2 69KV	60	0.01365	-0.18416	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	JONES 230KV	496	0.0136	-0.18411	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	MUSTANG 115KV	300	0.0125	-0.18338	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	MUSTANG 230KV	460	0.01252	-0.18303	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	CUNNINGHAM 115KV	110	0.01251	-0.18302	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	MADOX 115KV	118	0.01251	-0.18302	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	HOBBES PL23 18.000 115KV	10299	0.0125	-0.18301	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	HOBBES PL131 18.000 230KV	202	0.01249	-0.183	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	CUNNINGHAM 230KV	300	0.01248	-0.18299	45	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	SAN JUAN 230KV	120	0.01202	-0.18253	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	TOLK 230KV	1014,794	0.01198	-0.18249	46	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	BEAVER 161KV	145,4916	0.01191	-0.18242	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	PLANTX 115KV	205	0.01187	-0.18238	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	PLANTX 230KV	189	0.01174	-0.18224	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	CAPROCK 90KV	80	0.01173	-0.18224	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	I22 69KV	39	0.01037	-0.18088	46	
WERE	CITY OF IOLA 69KV	-0.17051	CELE	RODEMACHER 230KV	891	0.00984	-0.18035	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	STEER WATER 115KV	80	0.00975	-0.18026	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	NICHOLS 115KV	111,9956	0.00915	-0.17966	46	
WERE	CITY OF IOLA 69KV	-0.17051	CELE	EVANGELINE 230KV	194	0.0089	-0.17951	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	BLACKHAWK 115KV	220	0.00892	-0.17943	46	
WERE	CITY OF IOLA 69KV	-0.17051	CELE	EVANGELINE 138KV	155	0.00891	-0.17942	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	HANSFORD 115KV	80	0.00876	-0.17927	46	
WERE	CITY OF IOLA 69KV	-0.17051	SFS	HARRINGTON 230KV	1066	0.00874	-0.17925	46	
WERE	CITY OF IOLA 69KV	-0.17051	CELE	TICHOE 138KV	276,171	0.00787	-0.17843	47	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	GREYS FERRY 161KV	94,578	0.00789	-0.17781	47	
WERE	CITY OF IOLA 69KV	-0.17051	LEPA	BAYOU RAMOS 138KV	39,01513	0.00747	-0.17798	47	
WERE	CITY OF IOLA 69KV	-0.17051	LEPA	CITY OF HOLMA SUB 115KV	84	0.00678	-0.17729	47	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	JONESBORO 161KV	53,5	0.0142	-0.17793	48	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	BULL SHOALS 161KV	282,2328	0.00991	-0.17686	49	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	SIKESTON 161KV	235	-0.00358	-0.16693	50	
WERE	CITY OF IOLA 69KV	-0.17051	EMDE	RIVERTON 69KV	51,89206	-0.01115	-0.15936	52	
WERE	CITY OF IOLA 69KV	-0.17051	EMDE	STATE LINE 161KV	603,2756	-0.01292	-0.15759	53	
WERE	CITY OF IOLA 69KV	-0.17051	EMDE	LARUSSEL 161KV	100	-0.01358	-0.15693	53	
WERE	CITY OF IOLA 69KV	-0.17051	EMDE	RIVERTON 161KV	100	-0.01413	-0.15693	53	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	CLARENCE CANNON DAM 69KV	39,93603	-0.01722	-0.15329	54	
WERE	CITY OF IOLA 69KV	-0.17051	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260,4776	-0.0185	-0.15201	55	
WERE	CITY OF IOLA 69KV	-0.17051	WEPL	GRAY COUNTY WIND FARM 115KV	200,1170	-0.01981	-0.15071	55	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	JUDSON LARGE 115KV	105,7427	-0.01983	-0.15068	55	
WERE	CITY OF IOLA 69KV	-0.17051	SWPA	TRUMAN 161KV	103,4654	-0.02348	-0.14703	57	
WERE	CITY OF IOLA 69KV	-0.17051	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.0253	-0.14521	57	
WERE	CITY OF IOLA 69KV	-0.17051	MIDOW	KNOLL 115KV	68,58075	-0.02641	-0.1441	58	
WERE	CITY OF IOLA 69KV	-0.17051	MIPFU	LAKE ROAD 345KV	92	-0.02978	-0.14073	59	
WERE	CITY OF IOLA 69KV	-0.17051	KACP	MONTRUSE 115KV	372,4916	-0.02982	-0.13744	59	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	SMOKEY HILLS 345KV	128	-0.02989	-0.14062	59	
WERE	CITY OF IOLA 69KV	-0.17051	WEPL	CLIFTON 138KV	42,81394	-0.0306	-0.13991	59	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	HUTCHINSON ENERGY CENTER 115KV	200,8322	-0.03088	-0.13963	60	
WERE	CITY OF IOLA 69KV	-0.17051	MIPFU	SIKEY 161KV	228,869	-0.03091	-0.13943	60	
WERE	CITY OF IOLA 69KV	-0.17051	MIPFU	SIBLEY 69KV	45,99999	-0.03113	-0.13938	60	
WERE	CITY OF IOLA 69KV	-0.17051	KACP	HAWTHORN 161KV	749,4458	-0.03198	-0.13853	60	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	ABILENE ENERGY CENTER 115KV	40	-0.03206	-0.13845	60	
WERE	CITY OF IOLA 69KV	-0.17051	KACP	IATAN 345KV	396	-0.0321	-0.13841	60	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	JEFFREY ENERGY CENTER 345KV	470	-0.03302	-0.13744	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03311	-0.1374	61	
WERE	CITY OF IOLA 69KV	-0.17051	KACY	QUINDARO 69KV	116,3583	-0.03346	-0.13705	61	
WERE	CITY OF IOLA 69KV	-0.17051	KACY	QUINDARO 161KV	118,0466	-0.03347	-0.13704	61	
WERE	CITY OF IOLA 69KV	-0.17051	KACY	NEARMAN 161KV	226	-0.03349	-0.13702	61	
WERE	CITY OF IOLA 69KV	-0.17051	KACY	NEARMAN 20KV	235	-0.03349	-0.13702	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	EMPORIA ENERGY CENTER 345KV	502,2	-0.03358	-0.13693	61	
WERE	CITY OF IOLA 69KV	-0.17051	EMDE	ASBURY 161KV	191	-0.03401	-0.1365	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.03404	-0.13647	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	LAWRENCE ENERGY CENTER 230KV	233,3476	-0.03408	-0.13643	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	EVANS ENERGY CENTER 138KV	535	-0.03459	-0.13592	61	
WERE	CITY OF IOLA 69KV	-0.17051	MIPFU	SOUTH HARPER 161KV	248,2699	-0.03483	-0.13568	61	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	GILL ENERGY CENTER 69KV	76	-0.03606	-0.13445	62	
KACP	PAOLA COMBUSTION TURBINES 161KV	-0.04231	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.13433	62	
WERE	CITY OF IOLA 69KV	-0.17051	WERE	GILL ENERGY CENTER 138KV	155	-0.0363	-0.13421	62	
KACP	BULL CREEK 161KV	413	-0.03697	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12899	65
WERE	GILL ENERGY CENTER 138KV	84,99999	-0.0363	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12832	65
MIPFU	SOUTH HARPER 161KV	66,73009	-0.03483	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12685	66
WERE	EMPORIA ENERGY CENTER 345KV	308,3	-0.03358	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12566	66
KACY	QUINDARO 161KV	118,9534	-0.03347	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12549	66
KACY	QUINDARO 69KV	60,64172	-0.03346	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12548	66
KACY	KAW 69KV	242	-0.03344	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12546	66
KACY	ARIES 161KV	595	-0.03308	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12545	66
MIPFU	GREENWOOD 161KV	255,8	-0.03292	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12494	67
MIPFU	RALPH GREEN 69KV	73,7	-0.03266	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12468	67
KACP	NORTHEAST 13KV	277	-0.03236	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12438	67
KACP	NORTHEAST 161KV	277	-0.03236	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12438	67
KACP	HAWTHORN 161KV	51,5542	-0.03198	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.124	67
MIDW	lyons 115KV	999	-0.03093	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12295	68
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12291	68
WERE	HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.03089	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.1229	68
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03087	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.12289	68
MIPFU	LAKE ROAD 161KV	91	-0.02978	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.1218	68
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.12024	69
MIDW	pawnee 115KV	999	-0.02743	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.11945	70
SWPA	TRUMAN 161KV	76,53462	-0.02348	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.1155	72
KACP	MARSHALL 161KV	541	-0.02292	AEWP	NORTHEASTERN STATION 138KV	488	0.09202	-0.11494	72
KACP	BULL CREEK 161KV	413	-0.03697	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.1149	72
WERE	GILL ENERGY CENTER 138KV	84,99999	-0.0363	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11423	73
MIPFU	SOUTH HARPER 161KV	66,73009	-0.03483	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11276	74
WERE	EMPORIA ENERGY CENTER 345KV	308,3	-0.03358	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11151	75
KACY	QUINDARO 161KV	118,9534	-0.03347	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.1114	75
KACY	QUINDARO 69KV	60,64172	-0.03346	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11139	75
KACY	KAW 69KV	242	-0.03344	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11137	75
MIPFU	GREENWOOD 161KV	255,8	-0.03292	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11101	75
MIPFU	RALPH GREEN 69KV	73,7	-0.03266	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11086	75
KACP	NORTHEAST 13KV	277	-0.03236	AEWP	NORTHEASTERN STATION 345KV	625	0.07793	-0.11059	75
KACP	NORTHEAST 161KV	277	-0.03						

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

KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	AEPW	COGENTRIX 345KV	965	0.0549	-0.09721	86
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09666	86
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09599	87
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	DEC 345KV	369	0.05862	-0.09559	87
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	AEPW	DEC 345KV	369	0.05862	-0.09492	88
WEPL	CIMARRON RIVER 115KV	72	-0.01697	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.0949	88
MIPU	SOUTH HARPER 161KV	66.73009	-0.03483	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09452	88
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	TULSA POWER STATION 138KV	299	0.05744	-0.09374	89
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09374	89
MIPU	SOUTH HARPER 161KV	66.73009	-0.03483	AEPW	DEC 345KV	369	0.05862	-0.09345	89
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09327	89
KACY	QUINDARO 161KV	118.9534	-0.03347	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09316	89
KACY	QUINDARO 69KV	60.64172	-0.03346	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09315	89
KACY	KAW 69KV	242	-0.03344	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09313	89
SWPA	BULL SHOALS 161KV	107.3672	-0.00091	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.09293	90
MIPU	ARIES 161KV	595	-0.03308	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09277	90
MIPU	GREENWOOD 161KV	255.8	-0.03292	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09261	90
MIPU	RALPH GREEN 69KV	73.7	-0.03266	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09235	90
MIPU	SOUTH HARPER 161KV	66.73009	-0.03483	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09227	90
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	DEC 345KV	369	0.05862	-0.0922	90
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	DEC 345KV	369	0.05862	-0.09209	90
KACY	QUINDARO 69KV	60.64172	-0.03346	AEPW	DEC 345KV	369	0.05862	-0.09208	90
KACY	KAW 69KV	242	-0.03344	AEPW	DEC 345KV	369	0.05862	-0.09206	90
EMDE	RIVERTON 161KV	95	-0.01413	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.09206	90
KACP	NORTHEAST 13KV	277	-0.03236	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09205	90
KACP	NORTHEAST 161KV	277	-0.03236	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09205	90
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	COGENTRIX 345KV	965	0.0549	-0.09187	91
MIPU	ARIES 161KV	595	-0.03308	AEPW	DEC 345KV	369	0.05862	-0.0917	91
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	DEC 345KV	369	0.05862	-0.09154	91
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	NORTHEASTERN STATION 345KV	625	0.07793	-0.09151	91
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	GRDA	GRDA1 161KV	125.9006	0.04908	-0.09139	91
MIPU	RALPH GREEN 69KV	73.7	-0.03266	AEPW	DEC 345KV	369	0.05862	-0.09128	91
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	AEPW	COGENTRIX 345KV	965	0.0549	-0.0912	91
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09102	91
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	DEC 345KV	369	0.05862	-0.09098	91
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	DEC 345KV	369	0.05862	-0.09098	91
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09091	92
KACY	KAW 69KV	242	-0.03344	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09088	92
MIDW	Yorns 115KV	999	-0.03093	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09062	92
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09058	92
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.09057	92
MIPU	ARIES 161KV	595	-0.03308	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09052	92
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	GRDA	GRDA1 345KV	220	0.04812	-0.09043	92
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.09038	92
MIPU	RALPH GREEN 69KV	73.7	-0.03266	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.0901	92
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.0898	93
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.0898	93
MIPU	SOUTH HARPER 161KV	66.73009	-0.03483	AEPW	COGENTRIX 345KV	965	0.0549	-0.08973	93
MIDW	Yorns 115KV	999	-0.03093	AEPW	DEC 345KV	369	0.05862	-0.08955	93
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	DEC 345KV	369	0.05862	-0.08951	93
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	DEC 345KV	369	0.05862	-0.0895	93
MIPU	LAKE ROAD 161KV	91	-0.02978	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.08947	93
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	GRDA	MUSKOGEE 161KV	1548	0.04716	-0.08947	93
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	COGENTRIX 345KV	965	0.0549	-0.08848	94
MIPU	LAKE ROAD 161KV	91	-0.02978	AEPW	DEC 345KV	369	0.05862	-0.0884	94
MIDW	Yorns 115KV	999	-0.03093	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.08837	94
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	COGENTRIX 345KV	965	0.0549	-0.08837	94
KACY	KAW 69KV	242	-0.03344	AEPW	COGENTRIX 345KV	965	0.0549	-0.08834	94
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.08833	94
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.08832	94
MIPU	ARIES 161KV	595	-0.03308	AEPW	COGENTRIX 345KV	965	0.0549	-0.08798	95
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	COGENTRIX 345KV	965	0.0549	-0.08782	95
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	GRDA	MUSKOGEE 161KV	1548	0.04716	-0.08766	95
MIPU	RALPH GREEN 69KV	73.7	-0.03266	AEPW	COGENTRIX 345KV	965	0.0549	-0.08756	95
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	COGENTRIX 345KV	965	0.0549	-0.08726	95
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	COGENTRIX 345KV	965	0.0549	-0.08726	95
MIPU	LAKE ROAD 161KV	91	-0.02978	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.08712	95
MIDW	Yorns 115KV	999	-0.03093	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.08712	96
KACP	BULL CREEK 161KV	413	-0.03697	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08605	97
MIDW	Yorns 115KV	999	-0.03093	AEPW	DEC 345KV	369	0.05862	-0.08605	97
MIDW	Yorns 115KV	999	-0.03093	SWPA	COGENTRIX 345KV	965	0.0549	-0.08583	97
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	COGENTRIX 345KV	965	0.0549	-0.08579	97
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	COGENTRIX 345KV	965	0.0549	-0.08578	97
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08538	97
KACP	BULL CREEK 161KV	413	-0.03697	GRDA	GRDA1 345KV	220	0.04812	-0.08509	97
MIDW	Yorns 115KV	999	-0.03093	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.08487	98
MIPU	LAKE ROAD 161KV	91	-0.02978	AEPW	COGENTRIX 345KV	965	0.0549	-0.08468	98
KACP	GILL ENERGY CENTER 138KV	84.99999	-0.03683	GRDA	GRDA1 345KV	220	0.04812	-0.08442	99
WERE	GILL ENERGY CENTER 161KV	413	-0.03697	OKGE	MUSKOGEE 345KV	1548	0.04716	-0.08413	99
CELE	TECHE 138KV	95.83267	-0.00762	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.0841	99
MIPU	SOUTH HARPER 161KV	66.73009	-0.03483	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08391	99
CELE	ACADIA 138KV	1322	0.00825	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08377	99
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03683	OKGE	MUSKOGEE 345KV	1548	0.04716	-0.08346	100
SFS	NICHOLS 230KV	244	0.00882	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08342	100
SWPA	TRUMAN 161KV	76.53462	-0.02348	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.08317	100
CELE	EVANGELINE 138KV	157	0.00991	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08311	100
CELE	EVANGELINE 230KV	231	0.009	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08302	100
SPS	NICHOLS 115KV	101.0044	0.00915	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08287	100
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08266	101
KACY	QUINDARO 161KV	118.9534	-0.03347	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08255	101
KACY	KAW 69KV	242	-0.03344	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08252	101
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08243	101
MIDW	Yorns 115KV	999	-0.03093	AEPW	COGENTRIX 345KV	965	0.0549	-0.08233	101
MIPU	BULL CREEK 161KV	413	-0.03697	OKGE	MUSKOGEE 161KV	1548	0.04716	-0.08211	101
CELE	RODEMACHER 230KV	296	0.00984	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.08218	101
MIPU	ARIES 161KV	595	-0.03308	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08216	101
SWPA	TRUMAN 161KV	76.53462	-0.02348	AEPW	DEC 345KV	369	0.05862	-0.08211	101
MIPU	GREENWOOD 161KV	255.8	-0.03292	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08202	101
MIPU	RALPH GREEN 69KV	73.7	-0.03266	GRDA	GRDA1 161KV	125.9006	0.04908	-0.08174	102
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	GRDA	GRDA1 345KV	220	0.04812	-0.0817	102
KACY	GILL ENERGY CENTER 138KV	84.99999	-0.03683	OKGE	MUSKOGEE 161KV	1548	0.04716	-0.08165	102
WERE	QUINDARO 161KV	118.9534	-0.03347	GRDA	GRDA1 345KV	220	0.04812	-0.08159	102
KACY	KAW 69KV	242	-0.03344	GRDA	GRDA1 345KV	220	0.04812	-0.08156	102
KACP									

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.07805	107
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.07804	107
MIPU	RALPH CREEK 69KV	73.7	-0.03266	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07801	107
MIPU	LAKE ROAD 161KV	91	-0.02978	GRDA	GRDA1 345KV	220	0.04812	-0.0779	107
KACP	NORTHEAST 13KV	277	-0.03236	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07771	107
KACP	NORTHEAST 161KV	277	-0.03236	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07771	107
MIPU	LAKE ROAD 161KV	91	-0.02978	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.07694	108
MIDW	bawnee 115kv	999	-0.02743	GRDA	GRDA1 161KV	125.9636	0.04908	-0.07651	109
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	REDBUD 345KV	150	0.03399	-0.0763	109
MIDW	lyons 115kv	999	-0.03093	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07628	109
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07624	109
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07623	109
AEPW	ARSENAL HILL 69KV	110	0.01606	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.07596	110
MIDW	bawnee 115kv	999	-0.02743	GRDA	GRDA1 345KV	220	0.04812	-0.07555	110
MIPU	LAKE ROAD 161KV	91	-0.02978	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07513	111
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.07508	111
AEPW	KNOXLEE 138KV	139	0.01713	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.07488	111
AEPW	LEBROCK 345KV	532	0.01718	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.07484	111
AEPW	EASTMAN 138KV	330.01	0.01723	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.07479	111
MIDW	bawnee 115kv	999	-0.02743	OKGGE	MUSKOGEE 345KV	1548	0.04716	-0.07459	112
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.07451	112
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.07439	112
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.07398	112
EMDE	RIVERTON 161KV	95	-0.01413	OWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.07382	113
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.07362	113
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OWPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.07333	113
EMDE	LARUSSEL 161KV	196	-0.01358	SWIPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.07327	114
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	AEPW	FLINT CREEK 161KV	400	0.03095	-0.07328	114
MIDW	bawnee 115kv	999	-0.02743	OKGGE	MUSKOGEE 161KV	166	0.04535	-0.07278	114
EMDE	RIVERTON 161KV	95	-0.01413	AEPW	CEC 345KV	369	0.05682	-0.07275	114
SWIPA	TRUMAN 161KV	76.53462	-0.02348	GRDA	GRDA1 161KV	125.9636	0.04908	-0.07256	115
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	MCCLAIN 138KV	470	0.03021	-0.07252	115
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.0725	115
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.04231	OKGGE	MUSTANG 138KV	351	0.03006	-0.07237	115
EMDE	LARUSSEL 161KV	196	-0.01358	SWIPA	CEC 345KV	369	0.05682	-0.07212	115
EMDE	RIVERTON 161KV	95	-0.01413	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.07157	116
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.07102	117
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	REDBUD 345KV	150	0.03399	-0.07096	117
WERE	HUTCHINSON ENERGY CENTER 138KV	84.99999	-0.03683	OKGGE	REDBUD 345KV	150	0.03399	-0.07028	118
CELE	TECHE 138KV	95.82867	0.00792	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.07001	119
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06974	119
CELE	ACADIA 138KV	1322	0.00825	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06968	119
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06917	120
SPS	NICHOLS 230KV	244	0.00882	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06911	120
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06907	120
KACP	BULL CREEK 161KV	413	-0.03697	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06905	121
EMDE	RIVERTON 161KV	95	-0.01413	AEPW	COGENTRIX 345KV	965	0.0549	-0.06903	121
CELE	EVANGELINE 138KV	231	0.00897	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06902	121
CELE	EVANGELINE 230KV	231	0.009	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06893	121
SPS	NICHOLS 115KV	101.0044	0.00915	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06878	121
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.06864	121
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.0685	121
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	COGENTRIX 345KV	965	0.0549	-0.06848	122
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06838	122
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00569	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06834	122
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.06828	122
CELE	RODENBACHER 230KV	285	0.00884	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.06809	122
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06807	122
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.06797	122
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	FLINT CREEK 161KV	400	0.03095	-0.06792	123
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.06761	123
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGGE	REDBUD 345KV	150	0.03399	-0.06747	123
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGGE	REDBUD 345KV	150	0.03399	-0.06746	123
KACY	KAW 69KV	242	-0.03344	OKGGE	REDBUD 345KV	150	0.03399	-0.06743	123
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OWPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06732	124
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	AEPW	FLINT CREEK 161KV	400	0.03095	-0.06725	124
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	MCCLAIN 138KV	470	0.03021	-0.06712	124
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.06716	124
MIPU	ARIES 161KV	595	-0.03308	OKGGE	REDBUD 345KV	150	0.03399	-0.06707	124
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	MUSTANG 138KV	351	0.03006	-0.06703	124
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGGE	REDBUD 345KV	150	0.03399	-0.06691	124
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	AES 161KV	320	0.02955	-0.06653	125
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	MCCLAIN 138KV	470	0.03021	-0.06651	125
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	SMITH COGEN 138KV	107	0.03019	-0.06649	125
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	MUSTANG 138KV	351	0.03006	-0.06636	125
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGGE	TONTITOWN 161KV	163.8579	0.03277	-0.06635	125
KACP	NORTHEAST 13KV	277	-0.03236	OKGGE	REDBUD 345KV	150	0.03399	-0.06635	125
KACP	NORTHEAST 161KV	277	-0.03236	OKGGE	REDBUD 345KV	150	0.03399	-0.06635	125
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06624	126
KACY	KAW 69KV	242	-0.03344	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06621	126
MIPU	ARIES 161KV	595	-0.03308	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06585	126
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03663	OKGGE	AES 161KV	320	0.02955	-0.06585	126
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06578	127
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06569	127
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06568	127
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06566	127
KACY	KAW 69KV	242	-0.03344	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06564	127
KACP	BULL CREEK 161KV	413	-0.03697	OKGGE	SOONER 138KV	535	0.02858	-0.06555	127
KACY	QUINDARO 161KV	118.9534	-0.03347	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06556	127
KACY	KAW 69KV	242	-0.03344	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06552	127
MIPU	ARIES 161KV	595	-0.03308	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06528	127
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.06525	128
MIPU	ARIES 161KV	595	-0.03308	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.06516	128
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.06514	128
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06513	128
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	TONTITOWN 161KV	163.8579	0.03277	-0.06513	128
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGGE	HORSESHOE LAKE 138KV	796	0.0322	-0.06512	128
KACY	KAW 69KV	242	-0.03344	OKGGE	SEMINOLE 138KV	345.6682	0.03167	-0.06511	128
MIPU	GREENWOOD 161KV	255.8	-0.03292	SWIPA	ROBERT S. KERR 161KV	317.7965	0.03208	-0.065	128
MIDW	lyons 115kv	999	-0.03093	OKGGE	REDBUD 345KV	150	0.03399	-0.06492	128
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGGE	SEMINOLE 345KV	1019	0.03131	-0.06489	128
WERE	HUTCHINSON								

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

KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	SEMINOLE 345KV	1019	0.03131	-0.06367	131
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPWF	TONTITOWN 161KV	163.8579	0.03277	-0.06366	131
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06366	131
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	AEPWF	TONTITOWN 161KV	163.8579	0.03277	-0.06365	131
KACY	KAW 69KV	242	-0.03344	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06365	131
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGKE	MUSTANG 138KV	351	0.03006	-0.06364	131
KACY	KAW 69KV	242	-0.03344	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06363	131
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGKE	MUSTANG 138KV	351	0.03006	-0.06363	131
KACY	KAW 69KV	242	-0.03344	OKGKE	MUSTANG 138KV	351	0.03006	-0.06363	131
KACP	NORTHEAST 13KV	277	-0.03236	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06338	131
KACP	NORTHEAST 161KV	277	-0.03236	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06338	131
KACP	NORTHEAST 13KV	277	-0.03236	AEPWF	FLINT CREEK 161KV	400	0.03095	-0.06331	131
KACP	NORTHEAST 161KV	277	-0.03236	AEPWF	FLINT CREEK 161KV	400	0.03095	-0.06331	131
MIPU	ARIES 161KV	595	-0.03308	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06329	131
OKGKE	SPGCK384 13.200 345KV	111.1	0.02875	AEPWF	NORTHEASTERN STATION 138KV	488	0.09202	-0.06327	132
MIPU	ARIES 161KV	595	-0.03308	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06327	132
EMDE	RIVERTON 161KV	95	-0.01413	GRDA	GRDA1 161KV	125.9806	0.04908	-0.06321	132
MIPU	ARIES 161KV	595	-0.03308	OKGKE	MUSTANG 138KV	351	0.03006	-0.06314	132
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGKE	AES 161KV	320	0.02955	-0.06313	132
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06313	132
MIDW	YIONS 115KV	999	-0.03093	OKGKE	HORSESHOE LAKE 138KV	796	0.0322	-0.06313	132
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06311	132
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	HORSESHOE LAKE 138KV	796	0.0322	-0.06309	132
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	HORSESHOE LAKE 138KV	796	0.0322	-0.06308	132
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGKE	AES 161KV	320	0.02955	-0.06302	132
MIDW	YIONS 115KV	999	-0.03093	SWPA	ROBERT S. KERR 161KV	317.7865	0.03285	-0.06291	132
KACY	KAW 69KV	242	-0.03344	OKGKE	AES 161KV	320	0.02955	-0.06299	132
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGKE	MUSTANG 138KV	351	0.03006	-0.06298	132
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SWPA	ROBERT S. KERR 161KV	317.7865	0.03285	-0.06297	132
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SWPA	ROBERT S. KERR 161KV	317.7865	0.03285	-0.06296	132
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	BROKEN BOW 138KV	94.67681	0.02597	-0.06294	132
EMDE	LARUSSEL 161KV	196	-0.01358	GRDA	GRDA1 161KV	125.9806	0.04908	-0.06266	133
KACP	BULL CREEK 161KV	413	-0.03697	AEPWF	FITZHUGH 161KV	109	0.02566	-0.06263	133
MIPU	ARIES 161KV	595	-0.03308	OKGKE	AES 161KV	320	0.02955	-0.06263	133
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	OZARK 161KV	161.4033	0.02564	-0.06261	133
MIDW	YIONS 115KV	999	-0.03093	OKGKE	SEMINOLE 138KV	345.6682	0.03167	-0.06262	133
KACP	NORTHEAST 13KV	277	-0.03236	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06257	133
KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06257	133
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	SEMINOLE 138KV	345.6682	0.03167	-0.06256	133
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	SEMINOLE 138KV	345.6682	0.03167	-0.06255	133
MIPU	LAKE ROAD 161KV	91	-0.02978	AEPWF	TONTITOWN 161KV	163.8579	0.03277	-0.06255	133
KACP	NORTHEAST 13KV	277	-0.03236	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06255	133
KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06255	133
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGKE	AES 161KV	320	0.02955	-0.06247	133
KACP	NORTHEAST 13KV	277	-0.03236	OKGKE	MUSTANG 138KV	351	0.03006	-0.06242	133
KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	MUSTANG 138KV	351	0.03006	-0.06242	133
EMDE	RIVERTON 161KV	95	-0.01413	GRDA	GRDA1 345KV	220	0.04812	-0.06225	134
MIDW	YIONS 115KV	999	-0.03093	OKGKE	SEMINOLE 138KV	1019	0.03131	-0.06224	134
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	SEMINOLE 345KV	1019	0.03131	-0.06222	134
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	SEMINOLE 345KV	1019	0.03131	-0.06219	134
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGKE	SOONER 138KV	535	0.02858	-0.06216	134
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGKE	SOONER 138KV	535	0.02858	-0.06205	134
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGKE	SOONER 138KV	535	0.02858	-0.06204	134
KACY	KAW 69KV	242	-0.03344	OKGKE	SOONER 138KV	535	0.02858	-0.06202	134
MIPU	LAKE ROAD 161KV	91	-0.02978	OKGKE	HORSESHOE LAKE 138KV	796	0.0322	-0.06198	134
MIDW	YIONS 115KV	999	-0.03093	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06195	134
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06191	134
KACP	NORTHEAST 13KV	277	-0.03236	OKGKE	AES 161KV	320	0.02955	-0.06191	134
KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	AES 161KV	320	0.02955	-0.06191	134
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.06191	134
MIDW	YIONS 115KV	999	-0.03093	AEPWF	FLINT CREEK 161KV	400	0.03095	-0.06188	134
AEPWF	ARSENAL HILL 69KV	110	0.01606	AEPWF	NORTHEASTERN STATION 345KV	625	0.07793	-0.06187	134
MIPU	LAKE ROAD 161KV	91	-0.02978	SWPA	ROBERT S. KERR 161KV	317.7865	0.03285	-0.06186	134
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPWF	FLINT CREEK 161KV	400	0.03095	-0.06184	135
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	AEPWF	FLINT CREEK 161KV	400	0.03095	-0.06183	135
EMDE	LARUSSEL 161KV	196	-0.01358	GRDA	GRDA1 345KV	220	0.04812	-0.06177	135
MIPU	ARIES 161KV	595	-0.03308	OKGKE	SOONER 138KV	535	0.02858	-0.06166	135
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGKE	SOONER 138KV	535	0.02858	-0.06166	135
MIPU	LAKE ROAD 161KV	91	-0.02978	OKGKE	SEMINOLE 138KV	345.6682	0.03167	-0.06145	135
MIDW	pannee 115kv	999	-0.02743	OKGKE	REDBUD 345KV	150	0.03399	-0.06142	135
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.06114	136
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGKE	ANADARKO 138KV	345.7891	0.02782	-0.06113	136
EMDE	RIVERTON 161KV	95	-0.01413	OKGKE	MUSKOGEE 345KV	1548	0.04716	-0.06129	136
KACP	BULL CREEK 161KV	413	-0.03697	WFEC	MORLAND 138KV	320	0.02429	-0.06126	136
KACY	KAW 69KV	242	-0.03344	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.06126	136
MIDW	YIONS 115KV	999	-0.03093	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06114	136
MIDW	YIONS 115KV	999	-0.03093	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06112	136
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06111	136
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	MCCLAIN 138KV	470	0.03021	-0.06109	136
MIPU	LAKE ROAD 161KV	91	-0.02978	OKGKE	SEMINOLE 345KV	1019	0.03131	-0.06109	136
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06108	136
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPWF	SOUTHWESTERN STATION 138KV	322	0.0275	-0.06108	136
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPWF	SOUTHWESTERN STATION 138KV	322	0.0275	-0.06108	136
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	SMITH COGEN 138KV	107	0.03019	-0.06107	136
MIDW	YIONS 115KV	999	-0.03093	OKGKE	MUSTANG 138KV	351	0.03006	-0.06099	136
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPWF	NORTHEASTERN STATION 138KV	322	0.0275	-0.06097	136
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPWF	SOUTHWESTERN STATION 138KV	1046	0.0275	-0.06097	136
KACY	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGKE	MUSTANG 138KV	351	0.03006	-0.06095	137
KACP	BULL CREEK 161KV	413	-0.03697	OKGKE	SOONER 345KV	537	0.02398	-0.06095	137
KACY	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	OKGKE	MUSTANG 138KV	351	0.03006	-0.06094	137
KACY	KAW 69KV	242	-0.03344	AEPWF	SOUTHWESTERN STATION 138KV	322	0.0275	-0.06094	137
KACY	KAW 69KV	242	-0.03344	AEPWF	SOUTHWESTERN STATION 138KV	1046	0.0275	-0.06094	137
KACP	NORTHEAST 13KV	277	-0.03236	OKGKE	SOONER 138KV	535	0.02858	-0.06094	137
KACP	NORTHEAST 161KV	277	-0.03236	OKGKE	SOONER 138KV	535	0.02858	-0.06094	137
MIPU	ARIES 161KV	595	-0.03308	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.06087	137
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	WFEC	HUGO 138KV	450	0.0273	-0.06088	137
AEPWF	KNOXLEE 138KV	139	0.01713	AEPWF	NORTHEASTERN STATION 345KV	625	0.07793	-0.06087	137
KACY	QUINDARO 161KV	118.9534	-0.03347	WFEC	HUGO 138KV	450	0.0273	-0.06077	137
AEPWF	LEBRACK 345KV	532	0.01718	AEPWF	NORTHEASTERN STATION 345KV	625	0.07793	-0.06076	137
MIPU	GREENWOOD 161KV	255.8	-0.03292	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.06074	137
KACY	KAW 69KV	242	-0.03344	WFEC	HUGO 138KV	450	0.0273	-0.06074	137
EMDE	LARUSSEL 161KV	196	-0.01358	OKGKE	MUSKOGEE 345KV	1548	0.04716	-0.06074	137
AEP									

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

KACP	NORTHEAST 13KV	277	-0.03236	AEPW	COMANCHE 138KV	145	0.02701	-0.05937	140
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	COMANCHE 138KV	145	0.02701	-0.05937	140
AEPW	TONTITOWN 161KV	152.2621	0.03277	AEPW	NORTHEASTERN STATION 138KV	498	0.02932	-0.05925	140
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	FITZHUGH 161KV	109	0.02566	-0.05924	140
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SWPA	OZARK 161KV	151.403	0.02564	-0.05922	141
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	FITZHUGH 161KV	109	0.02566	-0.05913	141
KACY	QUINDARO 161KV	118.9534	-0.03347	SWPA	OZARK 161KV	151.403	0.02564	-0.05911	141
KACY	KAW 69KV	242	-0.03344	AEPW	FITZHUGH 161KV	109	0.02566	-0.05911	141
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SEMINOLE 138KV	345.7891	0.03167	-0.05911	141
KACY	KAW 69KV	242	-0.03344	SWPA	OZARK 161KV	151.403	0.02564	-0.05908	141
MIPU	ARIES 161KV	595	-0.03308	SWPA	BROKEN BOW 138KV	94.67891	0.02597	-0.05905	141
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	MUSKOGEE 161KV	166	0.04635	-0.05893	141
MIPU	GREENWOOD 161KV	255.8	-0.03292	SWPA	BROKEN BOW 138KV	94.67891	0.02597	-0.05889	141
MIDW	YIONS 115KV	999	-0.03093	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.05875	142
MIPU	ARIES 161KV	595	-0.03308	AEPW	FITZHUGH 161KV	109	0.02566	-0.05874	142
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SEMINOLE 345KV	1018	0.03131	-0.05874	142
MIPU	ARIES 161KV	595	-0.03308	SWPA	OZARK 161KV	151.403	0.02564	-0.05872	142
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.05871	142
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.05871	142
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	FITZHUGH 161KV	109	0.02566	-0.05858	142
MIPU	GREENWOOD 161KV	255.8	-0.03292	SWPA	OZARK 161KV	151.403	0.02564	-0.05856	142
MIDW	PAWNEE 115KV	999	-0.02743	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.03102	-0.05845	142
MIDW	YIONS 115KV	999	-0.03093	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05843	142
MIDW	YIONS 115KV	999	-0.03093	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05843	142
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05838	143
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05838	143
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05838	143
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05838	143
MIDW	PAWNEE 115KV	999	-0.02743	AEPW	FLINT CREEK 161KV	400	0.03095	-0.05838	143
SWPA	BULL SHOALS 161KV	107.3672	-0.03091	WFEC	TULSA POWER STATION 138KV	259	0.05744	-0.05833	143
MIDW	YIONS 115KV	999	-0.03093	WFEC	HUGO 138KV	450	0.0273	-0.05823	143
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	WFEC	HUGO 138KV	450	0.0273	-0.05819	143
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	WFEC	HUGO 138KV	450	0.0273	-0.05818	143
OKGE	REBDUD 345KV	1050	0.03399	AEPW	NORTHEASTERN STATION 138KV	498	0.02922	-0.05803	143
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	FITZHUGH 161KV	109	0.02566	-0.05802	143
KACP	NORTHEAST 161KV	277	-0.03236	AEPW	FITZHUGH 161KV	109	0.02566	-0.05802	143
KACP	NORTHEAST 13KV	277	-0.03236	SWPA	OZARK 161KV	151.403	0.02564	-0.058	143
KACP	NORTHEAST 161KV	277	-0.03236	SWPA	OZARK 161KV	151.403	0.02564	-0.058	143
MIDW	YIONS 115KV	999	-0.03093	AEPW	COMANCHE 138KV	145	0.02701	-0.05794	144
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	COMANCHE 138KV	145	0.02701	-0.05794	144
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	COMANCHE 138KV	145	0.02701	-0.05789	144
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	WFEC	MORLND 138KV	320	0.02429	-0.05787	144
KACY	QUINDARO 161KV	118.9534	-0.03347	WFEC	MORLND 138KV	320	0.02429	-0.05776	144
KACY	KAW 69KV	242	-0.03344	WFEC	MORLND 138KV	320	0.02429	-0.05773	144
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	MCCLAIN 138KV	470	0.03021	-0.05764	144
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SMITH COGEN 138KV	107	0.03019	-0.05762	144
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	OKGE	SOONER 345KV	537	0.02398	-0.05756	145
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SOONER 138KV	320	0.02429	-0.05749	145
KACY	QUINDARO 161KV	118.9534	-0.03347	OKGE	SOONER 345KV	537	0.02398	-0.05745	145
KACY	KAW 69KV	242	-0.03344	OKGE	SOONER 345KV	537	0.02398	-0.05742	145
MIPU	ARIES 161KV	595	-0.03308	WFEC	MORLND 138KV	320	0.02429	-0.05737	145
MIPU	GREENWOOD 161KV	255.8	-0.03292	WFEC	MORLND 138KV	320	0.02429	-0.05721	145
MIPU	ARIES 161KV	595	-0.03308	OKGE	SOONER 345KV	537	0.02398	-0.05716	146
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	AES 161KV	320	0.02955	-0.05698	146
MIPU	GREENWOOD 161KV	255.8	-0.03292	OKGE	SOONER 345KV	537	0.02398	-0.0569	146
KACP	NORTHEAST 13KV	277	-0.03236	WFEC	MORLND 138KV	320	0.02429	-0.05666	147
KACP	NORTHEAST 161KV	277	-0.03236	WFEC	MORLND 138KV	320	0.02429	-0.05666	147
MIDW	YIONS 115KV	999	-0.03093	AEPW	FITZHUGH 161KV	109	0.02566	-0.05657	147
MIDW	YIONS 115KV	999	-0.03093	SWPA	OZARK 161KV	151.403	0.02564	-0.05657	147
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	FITZHUGH 161KV	109	0.02566	-0.05655	147
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	FITZHUGH 161KV	109	0.02566	-0.05654	147
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SWPA	OZARK 161KV	151.403	0.02564	-0.05652	147
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	SWPA	OZARK 161KV	151.403	0.02564	-0.05652	147
KACP	NORTHEAST 13KV	277	-0.03236	OKGE	SOONER 345KV	537	0.02398	-0.05634	148
KACP	NORTHEAST 161KV	277	-0.03236	OKGE	SOONER 345KV	537	0.02398	-0.05634	148
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SOONER 138KV	320	0.02429	-0.05634	148
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SOONER 138KV	320	0.02429	-0.05634	148
SWPA	BULL SHOALS 161KV	107.3672	-0.03091	AEPW	COGENTR 345KV	925	0.05456	-0.05621	149
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	WELSH 345KV	1044	0.0187	-0.05627	149
MIDW	PAWNEE 115KV	999	-0.02743	WFEC	ANADARKO 138KV	345.7891	0.02782	-0.05625	151
MIDW	YIONS 115KV	999	-0.03093	WFEC	MORLND 138KV	320	0.02429	-0.05622	151
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	WFEC	MORLND 138KV	320	0.02429	-0.05619	151
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	WFEC	MORLND 138KV	320	0.02429	-0.05611	151
MIDW	PAWNEE 115KV	999	-0.02743	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05493	151
MIDW	PAWNEE 115KV	999	-0.02743	AEPW	SOUTHWESTERN STATION 138KV	322	0.0275	-0.05493	151
MIDW	YIONS 115KV	999	-0.03093	OKGE	SOONER 345KV	537	0.02398	-0.05491	152
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	OKGE	SOONER 345KV	537	0.02398	-0.05487	152
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	OKGE	SOONER 345KV	537	0.02398	-0.05486	152
MIDW	PAWNEE 115KV	999	-0.02743	WFEC	HUGO 138KV	450	0.0273	-0.05473	152
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	WILKES 138KV	421.735	0.01771	-0.05468	152
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	WILKES 345KV	320	0.01748	-0.05466	153
MIDW	PAWNEE 115KV	999	-0.02743	AEPW	COMANCHE 138KV	145	0.02701	-0.05444	153
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	EASTMAN 138KV	155	0.01723	-0.0542	154
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	LEBROCK 345KV	165	0.01718	-0.05415	154
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	PIRKREY GENERATION 138KV	243	0.01717	-0.05414	154
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	KNOXLEE 138KV	284	0.01713	-0.0541	154
KACP	BULL CREEK 161KV	413	-0.03697	AEPW	LIEBERMAN 138KV	156	0.01629	-0.05328	156
MIDW	PAWNEE 115KV	999	-0.02743	AEPW	FITZHUGH 161KV	109	0.02566	-0.05309	157
MIDW	PAWNEE 115KV	999	-0.02743	SWPA	OZARK 161KV	151.403	0.02564	-0.05307	157
KACY	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	WELSH 345KV	1044	0.0187	-0.05228	159
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	WELSH 345KV	1044	0.0187	-0.05217	160
KACY	KAW 69KV	242	-0.03344	AEPW	WELSH 345KV	1044	0.0187	-0.05214	161
KACP	BULL CREEK 161KV	413	-0.03697	CELE	DOLET HILLS 345KV	370	0.01483	-0.0518	161
MIPU	ARIES 161KV	595	-0.03308	AEPW	WELSH 345KV	1044	0.0187	-0.05178	161
MIDW	PAWNEE 115KV	999	-0.02743	WFEC	MORLND 138KV	320	0.02429	-0.05162	161
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	WELSH 345KV	1044	0.0187	-0.05162	161
CELE	ACADIA 138KV	1322	0.00825	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.05144	162
MIDW	PAWNEE 115KV	999	-0.02743	OKGE	SOONER 345KV	537	0.02398	-0.05141	162
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	WILKES 138KV	421.735	0.01771	-0.05138	162
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	WILKES 138KV	421.735	0.01771	-0.05118	163
KACY	KAW 69KV	242	-0.03344	AEPW	WILKES 138KV	421.735	0.01771	-0.05115	163
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	WILKES 345KV	308	0.01749	-0.05107	163
KACP	NORTHEAST 13KV	277	-0.03236	AEPW	WELSH 345KV	1044	0.0187	-0.05106	

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

MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	KNOXLEE 138KV	284	0.01713	-0.05005	166
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04987	167
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	WILKES 345KV	308	0.01749	-0.04985	167
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	WILKES 345KV	308	0.01749	-0.04985	167
CELE	RODEMACHER 230KV	296	0.00984	SWPA	KEYSTONE DAM 161KV	152.202	0.05969	-0.04985	167
SPS	NICHOLS 230KV	244	0.00882	AEPW	OEC 345KV	369	0.05862	-0.0498	167
KACY	QUINDARO 161KV	118.9534	-0.03347	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04976	167
KACY	KAW 69KV	242	-0.03344	SPS	LIEBERMAN 138KV	156	0.01629	-0.04976	167
CELE	EVANGELINE 138KV	157	0.00891	AEPW	OEC 345KV	369	0.05862	-0.04971	167
MIDW	Yorns 115kv	999	-0.03093	AEPW	WELSH 345KV	1044	0.0187	-0.04963	168
CELE	EVANGELINE 230KV	231	0.009	AEPW	OEC 345KV	369	0.05862	-0.04962	168
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	MUSTANG 230KV	1044	0.0187	-0.04962	168
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	EASTMAN 138KV	155	0.01723	-0.04959	168
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	EASTMAN 138KV	155	0.01723	-0.04959	168
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	WELSH 345KV	1044	0.0187	-0.04958	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	MUSTANG 115KV	300	0.01257	-0.04954	168
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	LEBROCK 345KV	165	0.01718	-0.04954	168
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	LEBROCK 345KV	165	0.01718	-0.04954	168
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.04953	168
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.04953	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	MUSTANG 230KV	1044	0.0187	-0.04949	168
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	KNOXLEE 138KV	284	0.01713	-0.04949	168
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	KNOXLEE 138KV	284	0.01713	-0.04949	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	MADOX 115KV	118	0.01251	-0.04948	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04947	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04946	168
KACP	BULL CREEK 161KV	413	-0.03697	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04945	168
MIPU	ARIES 161KV	595	-0.03308	SPS	LIEBERMAN 138KV	156	0.01629	-0.04937	169
MIPU	GREENWOOD 161KV	255.8	-0.03292	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04921	169
CELE	ACADIA 138KV	1322	0.00825	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04919	169
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	AEPW	OEC 345KV	369	0.05862	-0.04903	170
KACP	BULL CREEK 161KV	413	-0.03697	SPS	SAN JUAN 230KV	120	0.01202	-0.04899	170
KACP	BULL CREEK 161KV	413	-0.03697	SPS	TOLK 230KV	1014.794	0.01198	-0.04895	170
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04888	170
KACP	BULL CREEK 161KV	413	-0.03697	SPS	PLANTX 115KV	205	0.01187	-0.04884	170
CELE	RODEMACHER 230KV	296	0.00984	AEPW	OEC 345KV	369	0.05862	-0.04878	171
KACP	BULL CREEK 161KV	413	-0.03697	SPS	PLANTX 230KV	189	0.01174	-0.04871	171
KACP	NORTH EAST 13KV	277	-0.03236	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04865	171
KACP	NORTH EAST 161KV	277	-0.03236	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04865	171
MIDW	Yorns 115kv	999	-0.03093	AEPW	WILKES 345KV	421.735	0.01771	-0.04864	171
SPS	NICHOLS 230KV	244	0.00882	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04862	171
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	WILKES 138KV	421.735	0.01771	-0.0486	171
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	WILKES 138KV	421.735	0.01771	-0.04859	171
CELE	EVANGELINE 138KV	157	0.00891	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04857	171
CELE	EVANGELINE 230KV	231	0.009	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04844	172
MIDW	Yorns 115kv	999	-0.03093	AEPW	WILKES 345KV	308	0.01749	-0.04842	172
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	CELE	DOLET HILLS 345KV	370	0.01483	-0.04841	172
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	WILKES 345KV	308	0.01749	-0.04838	172
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	WILKES 345KV	308	0.01749	-0.04837	172
KACY	QUINDARO 161KV	118.9534	-0.03347	CELE	DOLET HILLS 345KV	370	0.01483	-0.0483	172
KACY	KAW 69KV	242	-0.03344	CELE	DOLET HILLS 345KV	370	0.01483	-0.04827	172
MIDW	Yorns 115kv	999	-0.03093	AEPW	EASTMAN 138KV	155	0.01723	-0.04816	173
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	EASTMAN 138KV	155	0.01723	-0.04812	173
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	EASTMAN 138KV	155	0.01723	-0.04811	173
MIDW	Yorns 115kv	999	-0.03093	AEPW	LEBROCK 345KV	165	0.01718	-0.04811	173
MIDW	Yorns 115kv	999	-0.03093	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.04811	173
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	LEBROCK 345KV	165	0.01718	-0.04807	173
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.04806	173
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	LEBROCK 345KV	165	0.01718	-0.04806	173
MIDW	Yorns 115kv	999	-0.03093	AEPW	KNOXLEE 138KV	284	0.01713	-0.04806	173
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.04805	173
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	KNOXLEE 138KV	284	0.01713	-0.04802	173
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	KNOXLEE 138KV	284	0.01713	-0.04801	173
MIPU	ARIES 161KV	595	-0.03308	CELE	DOLET HILLS 345KV	370	0.01483	-0.04791	174
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04785	174
MIPU	GREENWOOD 161KV	255.8	-0.03292	CELE	DOLET HILLS 345KV	370	0.01483	-0.04775	174
CELE	RODEMACHER 230KV	296	0.00984	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04774	174
EMDE	LARUSSEL 161KV	196	-0.01358	OKGKE	REBUD 345KV	150	0.03399	-0.04757	175
MIDW	Yorns 115kv	999	-0.03093	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04722	176
KACP	NORTH EAST 13KV	277	-0.03236	CELE	DOLET HILLS 345KV	370	0.01483	-0.04719	176
KACP	NORTH EAST 161KV	277	-0.03236	CELE	DOLET HILLS 345KV	370	0.01483	-0.04719	176
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.03089	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04718	176
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	JONES 230KV	486	0.0136	-0.04718	176
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04717	176
KACY	QUINDARO 161KV	118.9534	-0.03347	SPS	JONES 230KV	486	0.0136	-0.04707	177
KACY	KAW 69KV	242	-0.03344	SPS	JONES 230KV	486	0.0136	-0.04704	177
KACP	BULL CREEK 161KV	413	-0.03697	CELE	RODEMACHER 230KV	296	0.00984	-0.04681	177
MIPU	ARIES 161KV	595	-0.03308	SPS	JONES 230KV	486	0.0136	-0.04668	178
CELE	ACADIA 138KV	1322	0.00825	AEPW	COGENTRIX 345KV	965	0.0549	-0.04665	178
MIPU	GREENWOOD 161KV	255.8	-0.03292	SPS	JONES 230KV	486	0.0136	-0.04656	179
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	TONTTOWN 161KV	163.8579	0.03277	-0.04635	180
OKGKE	SEMINOLE 138KV	159.3319	0.03167	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.04626	180
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	MUSTANG 115KV	300	0.01257	-0.04615	180
MIDW	Yorns 115kv	999	-0.03093	AEPW	WELSH 345KV	1044	0.0187	-0.04613	180
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	MUSTANG 230KV	460	0.01252	-0.04601	181
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04608	181
SPS	NICHOLS 230KV	244	0.00882	AEPW	COGENTRIX 345KV	965	0.0549	-0.04608	181
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04607	181
SPS	LP-HOLLZ 69KV	154	0.01363	SWPA	KEYSTONE DAM 161KV	152.202	0.05968	-0.04606	181
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04606	181
KACY	KAW 69KV	242	-0.03344	SPS	MUSTANG 115KV	300	0.01257	-0.04601	181
CELE	EVANGELINE 138KV	157	0.00891	AEPW	COGENTRIX 345KV	965	0.0549	-0.04599	181
KACP	BULL CREEK 161KV	413	-0.03697	CELE	EVANGELINE 230KV	194	0.009	-0.04597	181
KACY	KAW 69KV	242	-0.03344	SPS	MUSTANG 230KV	460	0.01252	-0.04596	181
KACP	NORTH EAST 13KV	277	-0.03236	SPS	JONES 230KV	486	0.0136	-0.04596	181
KACP	NORTH EAST 161KV	277	-0.03236	SPS	JONES 230KV	486	0.0136	-0.04596	181
AEPW	KIOWA 345KV	1348	0.03199	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.04594	181
KACP	KAW 69KV	242	-0.03344	SPS	HOBSBS PLT21 18.000 115KV	10299	0.0125	-0.04589	181
KACY	KAW 69KV	242	-0.03344	SPS	HOBSBS PLT31 18.000 230KV	202	0.01249	-0.04593	181
KACY	KAW 69KV	242	-0.03344	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04592	181
CELE	EVANGELINE 230KV	231	0.009	AEPW	COGENTRIX 345KV	965	0.0549	-0.04589	181
KACP	BULL CREEK 161KV	413	-0.03697	SPS	BLACKHAWK 115KV	220	0.00892	-0.04589	181
KACP	BULL CREEK 161KV	413	-0.03697	SPS	EVANGELINE 138KV	155	0.0091	-0.04588	181
EMDE	LARUSSEL 161KV	196	-0.01358	OKGKE</					

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

MIDW	paawee 115kv	999	-0.02743	AEPW	WILKES 345KV	10	0.01749	-0.04492	185
MIPU	GREENWOOD 161KV	255.8	-0.03292	SFS	TOLK 230KV	1014.794	0.01198	-0.04489	185
KACP	BULL CREEK 161KV	413	-0.03897	CELE	TECHE 138KV	276.1713	0.00782	-0.04483	185
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	SEMINOLE 345KV	1019	0.03131	-0.04489	185
KACP	NORTHEAST 13KV	277	-0.03236	SPS	MUSTANG 230KV	460	0.01252	-0.04488	185
KACP	NORTHEAST 161KV	277	-0.03236	SPS	MUSTANG 230KV	460	0.01252	-0.04488	185
KACP	NORTHEAST 13KV	277	-0.03236	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04486	185
KACP	NORTHEAST 161KV	277	-0.03236	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04486	185
KACP	NORTHEAST 13KV	277	-0.03236	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04485	186
KACP	NORTHEAST 161KV	277	-0.03236	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04485	186
KACP	NORTHEAST 13KV	277	-0.03236	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04484	186
KACP	NORTHEAST 161KV	277	-0.03236	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04484	186
MIPU	GREENWOOD 161KV	255.8	-0.03292	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04483	186
MIPU	ARIES 161KV	595	-0.03308	SPS	PLANTX 230KV	189	0.01174	-0.04482	186
MIPU	GREENWOOD 161KV	255.8	-0.03292	SPS	PLANTX 115KV	205	0.01187	-0.04479	186
MIPU	GREENWOOD 161KV	255.8	-0.03292	SPS	PLANTX 230KV	189	0.01174	-0.04466	186
MIDW	paawee 115kv	999	-0.02743	AEPW	EASTMAN 138KV	1155	0.01723	-0.04466	186
MIDW	paawee 115kv	999	-0.02743	AEPW	LEBROCK 345KV	165	0.01718	-0.04461	187
MIDW	paawee 115kv	999	-0.02743	AEPW	PIRQUE GENERATION 138KV	243	0.01717	-0.04466	187
MIDW	paawee 115kv	999	-0.02743	AEPW	KNOXLEE 138KV	284	0.01713	-0.04456	187
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	FLINT CREEK 161KV	400	0.03095	-0.04453	187
MIDW	paawee 115kv	999	-0.03093	SFS	JONES 230KV	486	0.0136	-0.04453	187
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	JONES 230KV	486	0.0136	-0.04449	187
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	JONES 230KV	486	0.0136	-0.04448	187
KACP	NORTHEAST 13KV	277	-0.03236	SPS	TOLK 230KV	1014.794	0.01198	-0.04434	188
KACP	NORTHEAST 161KV	277	-0.03236	SPS	TOLK 230KV	1014.794	0.01198	-0.04434	188
KACP	NORTHEAST 13KV	277	-0.03236	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04427	188
KACP	NORTHEAST 161KV	277	-0.03236	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04427	188
KACP	NORTHEAST 13KV	277	-0.03236	SPS	PLANTX 115KV	205	0.01187	-0.04423	188
KACP	NORTHEAST 161KV	277	-0.03236	SPS	PLANTX 115KV	205	0.01187	-0.04423	188
KACP	NORTHEAST 13KV	277	-0.03236	SPS	PLANTX 230KV	189	0.01174	-0.04411	189
KACP	NORTHEAST 161KV	277	-0.03236	SPS	PLANTX 230KV	189	0.01174	-0.04411	189
KACP	NORTHEAST 161KV	277	-0.03236	SPS	PLANTX 230KV	189	0.01174	-0.04411	189
OKGE	REBUD 345KV	1050	0.03399	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.04394	189
SFS	LP-HOLL 69KV	154	0.01363	AEPW	TULSA POWER STATION 138KV	299	0.05744	-0.04381	190
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	MCCLAIN 138KV	470	0.03021	-0.04379	190
MIDW	paawee 115kv	999	-0.02743	AEPW	LIEBERMAN 138KV	156	0.01629	-0.04372	190
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	MUSTANG 138KV	351	0.03006	-0.04364	191
MIDW	paawee 115kv	999	-0.03093	SPS	MUSTANG 115KV	300	0.01257	-0.04346	191
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	MUSTANG 115KV	300	0.01257	-0.04346	191
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	MUSTANG 115KV	300	0.01257	-0.04345	192
MIDW	paawee 115kv	999	-0.03093	SPS	MUSTANG 230KV	460	0.01252	-0.04345	192
MIDW	paawee 115kv	999	-0.03093	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04343	192
MIDW	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	CELE	RODEMACHER 230KV	891	0.00984	-0.04342	192
MIDW	paawee 115kv	999	-0.03093	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04342	192
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	MUSTANG 230KV	460	0.01252	-0.04341	192
MIDW	paawee 115kv	999	-0.03093	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04341	192
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	MUSTANG 230KV	460	0.01252	-0.04341	192
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04338	192
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04338	192
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	HOBBS PLT21 18.000 115KV	10299	0.0125	-0.04338	192
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	CUNNINGHAM 230KV	306	0.01248	-0.04337	192
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	HOBBS PLT31 18.000 230KV	202	0.01249	-0.04337	192
KACY	KAW 69KV	242	-0.03344	CELE	RODEMACHER 230KV	891	0.00984	-0.04328	192
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	AES 161KV	320	0.02955	-0.04313	193
MIPU	ARIES 161KV	595	-0.03308	CELE	RODEMACHER 230KV	891	0.00984	-0.04292	194
MIDW	paawee 115kv	999	-0.03093	SPS	TOLK 230KV	1014.794	0.01198	-0.04291	194
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	TOLK 230KV	1014.794	0.01198	-0.04291	194
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	TOLK 230KV	1014.794	0.01198	-0.04286	194
MIDW	paawee 115kv	999	-0.03093	SPS	BEAVER 161KV	145.4916	0.01191	-0.04284	194
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04284	194
MIDW	paawee 115kv	999	-0.03093	SPS	PLANTX 115KV	205	0.01187	-0.04278	194
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04279	194
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	PLANTX 115KV	205	0.01187	-0.04276	195
MIPU	GREENWOOD 161KV	255.8	-0.03292	CELE	RODEMACHER 230KV	891	0.00984	-0.04276	195
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	PLANTX 115KV	205	0.01187	-0.04275	195
MIDW	paawee 115kv	999	-0.03093	SPS	PLANTX 230KV	189	0.01174	-0.04267	195
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	PLANTX 230KV	189	0.01174	-0.04263	195
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03089	SPS	PLANTX 230KV	189	0.01174	-0.04262	195
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	CELE	EVANGELINE 230KV	194	0.009	-0.04258	195
AEPW	KNOXLEE 138KV	139	0.01713	AEPW	KEYSTONE DAM 161KV	152.2026	0.05969	-0.04256	196
AEPW	LEBROCK 345KV	532	0.01718	AEPW	KEYSTONE DAM 161KV	152.2026	0.05969	-0.04252	196
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	BLACKHAWK 115KV	220	0.00892	-0.0425	196
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	CELE	EVANGELINE 138KV	155	0.00891	-0.04249	196
AEPW	EASTMAN 138KV	330.01	0.01723	SWPA	KEYSTONE DAM 161KV	152.2026	0.05969	-0.04246	196
KACY	KAW 69KV	242	-0.03344	CELE	EVANGELINE 230KV	194	0.009	-0.04244	196
KACY	KAW 69KV	242	-0.03344	SPS	BLACKHAWK 115KV	220	0.00892	-0.04236	196
KACY	KAW 69KV	242	-0.03344	CELE	EVANGELINE 138KV	155	0.00891	-0.04235	196
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SPS	HARRINGTON 230KV	1066	0.00874	-0.04232	197
MIDW	paawee 115kv	999	-0.02743	CELE	DOLETT HILLS 345KV	370	0.0146	-0.04226	197
KACP	NORTHEAST 13KV	277	-0.03236	CELE	RODEMACHER 230KV	891	0.00984	-0.0422	197
KACP	NORTHEAST 161KV	277	-0.03236	CELE	RODEMACHER 230KV	891	0.00984	-0.0422	197
EMDE	LARUSSEL 161KV	196	-0.01358	OKGE	HARRINGTON 230KV	1066	0.00874	-0.04218	197
MIPU	ARIES 161KV	595	-0.03308	CELE	SOONER 138KV	535	0.02658	-0.04216	197
MIPU	ARIES 161KV	595	-0.03308	CELE	EVANGELINE 230KV	194	0.009	-0.04208	198
MIPU	ARIES 161KV	595	-0.03308	SPS	BLACKHAWK 115KV	220	0.00892	-0.042	198
MIPU	ARIES 161KV	595	-0.03308	CELE	EVANGELINE 138KV	155	0.00891	-0.04199	198
MIPU	GREENWOOD 161KV	255.8	-0.03292	CELE	EVANGELINE 230KV	194	0.009	-0.04192	199
MIPU	GREENWOOD 161KV	255.8	-0.03292	SPS	BLACKHAWK 115KV	220	0.00892	-0.04184	199
MIPU	GREENWOOD 161KV	255.8	-0.03292	CELE	EVANGELINE 138KV	155	0.00891	-0.04183	199
MIPU	ARIES 161KV	595	-0.03308	SPS	HARRINGTON 230KV	1066	0.00874	-0.04182	199
AEPW	MID-CONTINENT 138KV	142.11	0.05031	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.04171	200
MIPU	GREENWOOD 161KV	255.8	-0.03292	SPS	HARRINGTON 230KV	1066	0.00874	-0.04166	200
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	CELE	TECHE 138KV	276.1713	0.00782	-0.04145	201
AEPW	KNOXLEE 138KV	139	0.01713	AEPW	OEC 345KV	369	0.05862	-0.04149	201
AEPW	LEBROCK 345KV	532	0.01718	AEPW	OEC 345KV	369	0.05862	-0.04144	201
EMDE	LARUSSEL 161KV	196	-0.01358	WFEC	ANADARKO 138KV	345.7991	0.02782	-0.04114	201
AEPW	EASTMAN 138KV	330.01	0.01723	AEPW	OEC 345KV	369	0.05862	-0.04109	201
KACP	NORTHEAST 13KV	277	-0.03236	CELE	EVANGELINE 230KV	194	0.009	-0.04136	201
KACP	NORTHEAST 161KV	277	-0.03236	CELE	EVANGELINE 230KV	194	0.009	-0.04136	201
KACY	KAW 69KV	242	-0.03344	CELE	TECHE 138KV	276.1713	0.00792	-0.04136	201
KACP	NORTHEAST 13KV	277	-0.03236	SPS	BLACKHAWK 115KV	220	0.00892	-0.04128	202
KACP	NORTHEAST 161KV	277	-0.03236	SPS	BLACKHAWK 115KV	220	0.00892	-0.	

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

MIDW	lyons 115kv	999	-0.03093	SPS	HARRINGTON 230KV	1066	0.00874	-0.03967	210
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	SPS	HARRINGTON 230KV	1066	0.00874	-0.03963	210
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	SPS	HARRINGTON 230KV	1066	0.00874	-0.03962	210
MIDW	pawnee 115kv	999	-0.02743	SPS	TOLK 230KV	1014.794	0.01198	-0.03941	211
MIDW	pawnee 115kv	999	-0.02743	SWPA	BEAVER 161KV	145.4916	0.01191	-0.03934	212
SPS	NICHOLS 230KV	244	0.00882	GRDA	GRDA1 345KV	220	0.04812	-0.0393	212
MIDW	pawnee 115kv	999	-0.02743	SPS	PLANTX 115KV	205	0.01187	-0.0393	212
EMDE	LARUSSEL 161KV	196	-0.01358	SWPA	OSARK 161KV	151.4033	0.02664	-0.0392	212
CELE	EVANGELINE 138KV	157	0.00891	GRDA	GRDA1 345KV	220	0.04812	-0.03921	212
MIDW	pawnee 115kv	999	-0.02743	SPS	PLANTX 230KV	189	0.01174	-0.03917	212
CELE	EVANGELINE 230KV	231	0.009	GRDA	GRDA1 345KV	220	0.04812	-0.03912	213
MIDW	ACADIA 138KV	1322	0.00825	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.0387	214
CELE	lyons 115kv	999	-0.03093	CELE	TECHE 138KV	276.1713	0.00792	-0.03855	214
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.03089	CELE	TECHE 138KV	276.1713	0.00792	-0.03881	214
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.03088	CELE	TECHE 138KV	276.1713	0.00792	-0.0388	214
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	GRDA	GRDA1 345KV	220	0.04812	-0.03853	216
SPS	NICHOLS 230KV	244	0.00882	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.03834	217
CELE	RODEMACHER 230KV	296	0.00984	GRDA	GRDA1 345KV	220	0.04812	-0.03828	217
CELE	EVANGELINE 138KV	157	0.00891	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.03825	218
CELE	EVANGELINE 230KV	231	0.009	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.03816	218
EMDE	LARUSSEL 161KV	196	-0.01358	WFEC	WORLD 138KV	320	0.02429	-0.03787	220
AEPW	LEBROCK 345KV	532	0.01718	AEPW	COGENTRIX 345KV	965	0.0549	-0.03772	221
AEPW	EASTMAN 138KV	330.01	0.01723	AEPW	COGENTRIX 345KV	965	0.0549	-0.03767	221
EMDE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.03757	221
CELE	LARUSSEL 161KV	196	-0.01358	OKGEE	SOONER 345KV	537	0.02398	-0.03756	222
CELE	RODEMACHER 230KV	296	0.00984	OKGEE	MUSKOGEE 345KV	1548	0.04716	-0.03732	223
MIDW	pawnee 115kv	999	-0.02743	CELE	RODEMACHER 230KV	891	0.00984	-0.03727	223
AEPW	COGENTRIX 345KV	179	0.0549	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.03712	224
CELE	ACADIA 138KV	1322	0.00825	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.0371	224
SPS	NICHOLS 230KV	244	0.00882	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.03678	228
CELE	EVANGELINE 138KV	157	0.00891	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.03644	228
MIDW	pawnee 115kv	999	-0.02743	CELE	EVANGELINE 230KV	194	0.009	-0.03643	228
CELE	EVANGELINE 230KV	231	0.009	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.03635	229
MIDW	pawnee 115kv	999	-0.02743	SPS	BLACKHAWK 115KV	220	0.00892	-0.03635	229
MIDW	pawnee 115kv	999	-0.02743	CELE	EVANGELINE 138KV	155	0.00891	-0.03634	229
AEPW	WEELETKA 138KV	162	0.04175	AEPW	NORTHEASTERN STATION 345KV	625	0.07793	-0.03618	230
MIDW	pawnee 115kv	999	-0.02743	SPS	HARRINGTON 230KV	1066	0.00874	-0.03617	230
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03606	231
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00959	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.03578	233
CELE	RODEMACHER 230KV	296	0.00984	OKGEE	MUSKOGEE 161KV	166	0.04535	-0.03551	234
MIDW	pawnee 115kv	999	-0.02743	CELE	TECHE 138KV	276.1713	0.00792	-0.03535	235
AEPW	DEC 345KV	1778.03	0.05862	AEPW	NORTHEASTERN STATION 138KV	488	0.09202	-0.0334	249
KACP	BULL CREEK 161KV	413	-0.03697	SWPA	SIREXON 161KV	235	-0.00358	-0.03339	249
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03327	255
KACY	KAW 69KV	242	-0.03344	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03253	256
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	WELSH 345KV	1044	0.0187	-0.03228	258
MIPU	ARIES 161KV	595	-0.03308	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03217	259
MIPU	GREENWOOD 161KV	255.98	-0.03292	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03201	260
KACP	NORTHEAST 138KV	277	-0.03236	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03145	265
KACP	NORTHEAST 161KV	277	-0.03236	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03145	265
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	WILKES 138KV	421.735	0.01771	-0.03129	266
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	WILKES 345KV	308	0.01749	-0.03107	268
AEPW	LEBROCK 345KV	532	0.01718	GRDA	GRDA1 345KV	220	0.04812	-0.03094	269
AEPW	EASTMAN 138KV	330.01	0.01723	GRDA	GRDA1 345KV	220	0.04812	-0.03089	269
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	PIRKEY GENERATION 138KV	243	0.01717	-0.03075	271
EMDE	LARUSSEL 161KV	196	-0.01358	AEPW	KNOXLEE 138KV	284	0.01713	-0.03071	271
MIDW	lyons 115kv	999	-0.03089	SWPA	BULL SHOALS 161KV	282.2328	-0.00091	-0.03002	277
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03358	SWPA	SIREXON 161KV	235	-0.00358	-0.03003	277

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1
 Limiting Facility: COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1
 Direction: To-From
 Line Outage: DELAWARE - NORTHEAST STATION 345KV CKT 1
 Flowgate: 2007AG1AFSA11793309SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.2	0.9
1222943	0.1	0.9
1223092	0.1	0.9
1223093	0.1	0.9
1223094	0.1	0.9
1223095	0.1	0.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.2643	3
WERE	CITY OF ERIE 69KV	24.53	-0.14934	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.2643	3
WERE	CITY OF FREEDONIA 69KV	7.104	-0.18352	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.29448	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	AES 161KV	320	0.028	-0.24668	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.24673	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	WFEC	ANADARKO 138KV	76	0.02821	-0.24679	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	BOOMER 69KV	24	0.04383	-0.26241	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	COGENTRIX 345KV	965	0.05051	-0.26809	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	SWPA	DENISON 138KV	60.32151	0.03017	-0.24875	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	ELLIS 69KV	6.6	0.0286	-0.24718	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	SWPA	EUFULA 138KV	51.7327	0.0363	-0.25488	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	SWPA	EUFULA 161KV	70.60814	0.0363	-0.25488	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	FLINT CREEK 161KV	400	0.02994	-0.24552	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	GRDA1 161KV	125.9606	0.04991	-0.26849	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	GRDA1 345KV	220	0.04697	-0.26555	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	HORSESHOE LAKE 138KV	796	0.03227	-0.25085	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	HORSESHOE LAKE 69KV	16	0.03289	-0.25157	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	KERR 115KV	13.5	0.047	-0.28558	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	KERR 161KV	13.5	0.04813	-0.26671	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.27556	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	MCCLELLAN 138KV	470	0.03051	-0.24909	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.26178	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.26167	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	MUSTANG 138KV	351	0.03046	-0.24904	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	MUSTANG 69KV	74.3252	0.03047	-0.24905	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.33354	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.27552	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	AEPW	DEC 345KV	369	0.05177	-0.27035	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.25871	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.25871	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	PENSACOLA 161KV	33	0.03494	-0.25232	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	REDBUD 345KV	150	0.03371	-0.25223	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.24913	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	GRDA	SALINA 161KV	37.61368	0.04813	-0.26671	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	SEMINOLE 138KV	345.6682	0.03147	-0.25005	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	SEMINOLE 345KV	1019	0.03116	-0.24974	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	SMITH COGEN 138KV	107	0.03056	-0.24913	3
WERE	CITY OF NEODESHA 69KV	6.738	-0.21858	OKGEE	SOONER 138KV	535	0.03347	-0.25205	

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

WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.20346	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	BOOMER 69KV	24	0.04383	-0.19317	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	AEPW	COGENTRIX 345KV	965	0.05051	-0.19085	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	GRDA1 161KV	125.9606	0.04991	-0.19925	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	GRDA1 345KV	220	0.04697	-0.19631	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	KERR 115KV	13.5	0.047	-0.19634	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	KERR 161KV	13.5	0.04813	-0.19747	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	SWPA	KEYSTONE DAM 161KV	152.202	0.05682	-0.22053	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	OKGE	MUSKOGEE 161KV	166	0.0432	-0.19254	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.19263	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.20628	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	AEPW	OEC 345KV	369	0.05177	-0.20111	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	GRDA	SALINA 161KV	37.61368	0.04813	-0.19747	4
WERE	CITY OF ERIE 69KV	24.53	-0.14934	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.20346	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	AES 161KV	320	0.028	-0.21152	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.21167	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	WFEC	ANADARKO 69KV	76	0.02821	-0.21173	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	BEAVER 161KV	145.4916	0.01191	-0.19543	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	BLACKHAWK 115KV	220	0.01015	-0.19367	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	BOOMER 69KV	24	0.04383	-0.22735	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.20969	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	CAPROCK 0KV	80	0.0128	-0.19532	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.20996	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	COGENTRIX 345KV	965	0.05051	-0.19083	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	COMANCHE 138KV	145	0.02734	-0.21206	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	COMANCHE 69KV	60	0.0275	-0.21102	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	CUNNINGHAM 115KV	110	0.01354	-0.19706	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	CUNNINGHAM 230KV	306	0.01351	-0.19703	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	CZ 69KV	39	0.01156	-0.19508	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	DEWISON 138KV	60.32151	0.03017	-0.21369	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	CELE	DOLET HILLS 345KV	370	0.01429	-0.19781	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	EASTMAN 138KV	155	0.01663	-0.20015	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	ELLIS 69KV	6.6	0.0286	-0.21212	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	EUFULA 138KV	51.7327	0.0363	-0.21982	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	EUFULA 161KV	70.60814	0.0363	-0.21982	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	CELE	EVANGELINE 138KV	155	0.00854	-0.19206	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	CELE	EVANGELINE 230KV	194	0.00862	-0.19214	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	FITZHUGH 161KV	109	0.02436	-0.20788	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	FLINT CREEK 161KV	400	0.02994	-0.21346	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	FPLWIND2 34KV	8	0.02634	-0.20986	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	GRDA1 161KV	125.9606	0.04991	-0.23343	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	GRDA1 345KV	220	0.04697	-0.23049	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	HANSFORD 115KV	80	0.00998	-0.21033	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	HARRINGTON 230KV	1066	0.00996	-0.22854	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.19706	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.19705	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.21579	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	HORSESHOE LAKE 69KV	11	0.01016	-0.19568	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	HUBCO2 69KV	11	0.01016	-0.19568	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	WFEC	HUGO 138KV	450	0.02659	-0.21011	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	JONES 230KV	486	0.01458	-0.1981	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	KERR 115KV	13.5	0.047	-0.23052	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	KERR 161KV	13.5	0.047	-0.23052	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.2405	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	KNOXLEE 138KV	284	0.01653	-0.20005	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	LEBRONCK 345KV	165	0.01658	-0.2001	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	LEBERMAN 138KV	156	0.01571	-0.19923	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	LP-BAND2 69KV	20	0.01463	-0.1981	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	LP-MACK2 69KV	60	0.01462	-0.19814	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	MADOX 115KV	118	0.01354	-0.19706	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	MCCLAIN 138KV	470	0.03051	-0.21403	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	WFEC	MORLAND 138KV	320	0.03371	-0.21397	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	MUSKOGEE 161KV	166	0.0432	-0.22672	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.22681	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	MUSTANG 115KV	300	0.0136	-0.19712	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	MUSTANG 138KV	351	0.03046	-0.21398	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	MUSTANG 230KV	460	0.01355	-0.19707	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.21399	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	NARROWS 69KV	22	0.01992	-0.20344	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	NICHOLS 115KV	111.9956	0.01036	-0.19388	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.20628	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	OEC 345KV	369	0.05177	-0.20111	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OMPA	OMPA-KAW 69KV	18.7	0.04013	-0.22365	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.22365	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	OZARK 161KV	151.403	0.02435	-0.20787	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	PENSACOLA 161KV	33	0.0346	-0.21816	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	PIRKY GENERATION 138KV	243	0.01657	-0.20009	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	PLANTX 115KV	205	0.01293	-0.19645	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	PLANTX 230KV	189	0.01281	-0.19633	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	REDBUD 345KV	450	0.03371	-0.21397	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	ROBERT S. KERR 161KV	317.7895	0.03055	-0.21407	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	CELE	RODEMACHE 230KV	891	0.00943	-0.19295	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	GRDA	SALINA 161KV	37.61368	0.04813	-0.21665	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	SAN JUAN 230KV	120	0.01308	-0.1936	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SEMINOLE 138KV	345.6692	0.03147	-0.21409	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SEMINOLE 345KV	1019	0.03116	-0.21468	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	SIDRCH 69KV	20	0.01016	-0.19368	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SMITH COGEN 138KV	107	0.03056	-0.21408	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SOONER 138KV	535	0.03347	-0.21699	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SOONER 345KV	537	0.02681	-0.21033	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.21136	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.21136	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	SPEARMAN 69KV	10	0.01002	-0.19354	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SPGK182 13.200 345KV	76	0.2996	-0.23116	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	OKGE	SPGK384 13.200 345KV	11.89999	0.02964	-0.21316	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	STEER WATER 115KV	80	0.01094	-0.19446	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.19345	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	TOLK 230KV	1014.7694	0.01308	-0.21398	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.21473	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.23764	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	WEATHERFORD 34KV	12	0.02594	-0.20946	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.22179	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	WELSH 345KV	104	0.01907	-0.20159	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	WILKES 138KV	421.735	0.0171	-0.20062	4
WERE	CITY OF FREDONIA 69KV	7.104	-0.18352	AEPW	WILKES 345KV	308	0.01689	-0.20041	4
WERE	CITY OF IOLA 69KV	42.878	-0.12223	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.23719	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	LEPA	BAKOU RAMOS 138KV	39.01513	0.00714	-0.22572	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	BEAVER 161KV	145.4916	0.01191	-0.23049	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	BLACKHAWK 115KV	220	0.01015	-0.22873	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.24375	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.21778	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	CAPROCK 0KV	80	0.0128	-0.23138	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	CARTHAGE 69KV	32	-0.01183	-0.20675	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.245	

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

WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	JONESBORO 161KV	50.5	0.00131	-0.21989	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	KNOXLEE 138KV	284	0.01653	-0.23511	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	EMDE	LARUSSEL 161KV	100	-0.1142	-0.20711	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	LEBROCK 345KV	165	0.01658	-0.23516	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	LIEBERMAN 138KV	156	0.01571	-0.23429	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	LP-BRND2 69KV	20	0.01463	-0.23231	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	LP-MACK2 69KV	80	0.01462	-0.23232	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	MADDOX 115KV	118	0.01355	-0.23212	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	MALDEN 69KV	7	-0.00192	-0.21666	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	WFEC	MORLUND 138KV	320	0.02634	-0.24492	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	MUSTANG 115KV	300	0.0136	-0.23218	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	MUSTANG 138KV	460	0.01355	-0.23205	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	NARROWS 69KV	22	0.01992	-0.2385	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	NICHOLS 115KV	111.9956	0.01036	-0.22894	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	OZARK 161KV	151.043	0.02435	-0.24293	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.21537	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	PARAGOULD 69KV	5.5	0.0003	-0.21888	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.23515	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	PLANTX 115KV	205	0.01293	-0.23151	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	PLANTX 230KV	189	0.01281	-0.23139	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	EMDE	RIVERTON 161KV	190	-0.1118	-0.2074	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.21038	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	CELE	RODEMACHER 230KV	891	0.00943	-0.22801	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	SAN JUAN 230KV	120	0.01308	-0.23166	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	SIDRCH 69KV	20	0.01016	-0.22874	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	SKESTON 161KV	236	-0.00345	-0.21753	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	WERE	SMOKEY HILLS 34KV	126	-0.02691	-0.19167	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	OKGE	SOONER 345KV	537	0.02681	-0.24539	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	SPEARMAN 69KV	10	0.01002	-0.2286	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	STATE LINE 161KV	603.2756	-0.0013	-0.23643	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	STEER WATER 115KV	80	0.01094	-0.22952	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	CELE	TECHE 138KV	276.1713	0.00758	-0.22616	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.22851	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SPS	TOLK 230KV	1014.794	0.01304	-0.23162	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	SWPA	TRUMAN 161KV	103.4654	0.02217	-0.19641	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	LEPA	WATERLOO SUB 230KV	6	0.00651	-0.22509	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	WEATHERFORD 34KV	12	0.02594	-0.24452	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	WELSH 345KV	1044	0.01807	-0.23665	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	WILKES 138KV	421.735	0.0171	-0.23568	4
WERE	CITY OF NEEDSHA 69KV	6.738	-0.21858	AEPW	WILKES 345KV	308	0.01689	-0.23547	4
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	AES 161KV	320	0.028	-0.17734	5
WERE	CHANUTE 69KV	24.563	-0.14934	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.17749	5
WERE	CHANUTE 69KV	24.563	-0.14934	WFEC	ANADARKO 69KV	76	0.02821	-0.17755	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	BEAVER 161KV	145.4916	0.01191	-0.16125	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	BLACKHAWK 115KV	220	0.01015	-0.15949	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.17451	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	CAPROCK 0KV	80	0.0128	-0.16214	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.17578	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	COMANCHE 138KV	145	0.02734	-0.17668	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	COMANCHE 69KV	60	0.0275	-0.17684	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	CUNNINGHAM 115KV	110	0.01354	-0.16288	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	CUNNINGHAM 230KV	306	0.01351	-0.16285	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	CZ 69KV	39	0.01196	-0.1609	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	DENISON 138KV	60.32151	0.03017	-0.17951	5
WERE	CHANUTE 69KV	24.563	-0.14934	CELE	DOLET HILLS 345KV	370	0.01429	-0.16363	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	EASTMAN 138KV	155	0.01663	-0.16597	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	ELLIS 69KV	6.6	0.0286	-0.17794	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	EUFALLA 161KV	51.73924	0.036	-0.1794	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	EUFALLA 138KV	70.68014	0.0363	-0.18564	5
WERE	CHANUTE 69KV	24.563	-0.14934	CELE	EVANGELINE 138KV	155	0.00854	-0.15788	5
WERE	CHANUTE 69KV	24.563	-0.14934	CELE	EVANGELINE 230KV	194	0.00862	-0.15796	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	FITZLUIGH 161KV	109	0.02486	-0.17127	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	FLINT CREEK 161KV	400	0.02994	-0.17928	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	FPLWIND2 34KV	8	0.02634	-0.17568	5
WERE	CHANUTE 69KV	24.563	-0.14934	LEPA	FROGSTATION 69KV	3	0.00784	-0.15718	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	GREYS FERRY 161KV	94.67681	0.02746	-0.1568	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	HANFORD 115KV	80	0.00995	-0.16285	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	HARRINGTON 230KV	1066	0.00996	-0.1593	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.16288	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.16287	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	HORSESHOE LAKE 79KV	76	0.0322	-0.18161	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	HORSESHOE LAKE 69KV	16	0.03259	-0.18233	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	HUBRCO2 69KV	11	0.01016	-0.1595	5
WERE	CHANUTE 69KV	24.563	-0.14934	WFEC	HUGO 138KV	450	0.02659	-0.17593	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	JONES 230KV	496	0.01458	-0.16392	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	KNOXLEE 138KV	284	0.01653	-0.16507	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	LEBROCK 345KV	165	0.01658	-0.16592	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	LIEBERMAN 138KV	156	0.01571	-0.16505	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	LP-BRND2 69KV	20	0.01463	-0.16305	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	LP-MACK2 69KV	80	0.01462	-0.16296	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	MADDOX 115KV	118	0.01354	-0.16288	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	MCCLAIN 138KV	470	0.03051	-0.17885	5
WERE	CHANUTE 69KV	24.563	-0.14934	WFEC	MORLUND 138KV	320	0.02634	-0.17568	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	MUSTANG 115KV	300	0.0136	-0.16294	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	MUSTANG 138KV	251	0.03046	-0.17788	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	MUSTANG 230KV	460	0.01355	-0.16289	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.17981	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	NARROWS 69KV	22	0.01992	-0.16926	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	NICHOLS 115KV	111.9956	0.01036	-0.1597	5
WERE	CHANUTE 69KV	24.563	-0.14934	OMP	OMPA-KAW 69KV	19.7	0.04013	-0.18947	5
WERE	CHANUTE 69KV	24.563	-0.14934	OMP	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.18947	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	OZARK 161KV	151.043	0.02435	-0.17369	5
WERE	CHANUTE 69KV	24.563	-0.14934	GRDA	PENSACOLA 161KV	33	0.03464	-0.18398	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.17891	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	PLANTX 115KV	205	0.01293	-0.16227	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	PLANTX 230KV	189	0.01281	-0.16215	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	REDBUD 345KV	150	0.03371	-0.18305	5
WERE	CHANUTE 69KV	24.563	-0.14934	SWPA	ROBERTS FERRY 161KV	317.7855	0.03685	-0.16523	5
WERE	CHANUTE 69KV	24.563	-0.14934	CELE	RODEMACHER 230KV	891	0.00943	-0.15877	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	SAN JUAN 230KV	120	0.01308	-0.16242	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.18081	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SEMINOLE 345KV	1019	0.03116	-0.1805	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	SIDRCH 69KV	20	0.01016	-0.1595	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SMITH COGEN 138KV	107	0.03056	-0.1799	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SOONER 138KV	535	0.03347	-0.18281	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SOONER 345KV	537	0.02681	-0.17615	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	SOUTHWESTERN STATION 138KV	522	0.02784	-0.17718	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.17718	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	SPEARMAN 69KV	10	0.01002	-0.15936	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SPGCK12 13.200 345KV	78	0.02964	-0.17898	5
WERE	CHANUTE 69KV	24.563	-0.14934	OKGE	SPGCK34 13.200 345KV	11.89999	0.02964	-0.17898	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	STEER WATER 115KV	80	0.01094	-0.16028	5
WERE	CHANUTE 69KV	24.563	-0.14934	CELE	TECHE 138KV	276.1713	0.00758	-0.15692	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.15927	5
WERE	CHANUTE 69KV	24.563	-0.14934	SPS	TOLK 230KV	1014.794	0.01304	-0.16238	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.18055	5
WERE	CHANUTE 69KV	24.563	-0.14934	AEPW	WEATHERFORD 3				

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

WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	EUFAULLA 138KV	51.7327	0.0363	-0.18564	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	EUFAULLA 161KV	70.68014	0.0363	-0.18564	5
WERE	CITY OF ERIE 69KV	24.53	-14934	CELE	EVANGELINE 138KV	155	0.02854	-0.15788	5
WERE	CITY OF ERIE 69KV	24.53	-14934	CELE	EVANGELINE 230KV	194	0.00862	-0.15796	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	FITZLUUGH 161KV	109	0.02436	-0.1737	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	FLINT CREEK 161KV	400	0.02994	-0.17928	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	FRLWINDZ 34KV	8	0.02634	-0.17568	5
WERE	CITY OF ERIE 69KV	24.53	-14934	LEPA	FROSTATION 69KV	51	0.00784	-0.15201	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.1568	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HANSFORD 115KV	80	0.00998	-0.15932	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HARRINGTON 230KV	1096	0.00996	-0.1593	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HOBBES PLT21 18.000 115KV	10299	0.01354	-0.16078	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HOBBES PLT31 18.000 230KV	202	0.01353	-0.16287	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	HORSESHOE LAKE 138KV	796	0.03227	-0.18161	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	HORSESHOE LAKE 69KV	16	0.03299	-0.18233	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	HUBRCOZ 69KV	11	0.01016	-0.1595	5
WERE	CITY OF ERIE 69KV	24.53	-14934	WFEF	HUGO 138KV	450	0.02659	-0.17593	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	JONES 230KV	486	0.01458	-0.16392	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	KNOXLEE 138KV	284	0.01653	-0.16587	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	LEBROCK 345KV	165	0.01658	-0.16692	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	LIEBERMAN 138KV	156	0.01571	-0.16505	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	LP-BRNDZ 69KV	20	0.01463	-0.16397	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	LP-MACKZ 69KV	60	0.01462	-0.16396	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	MADOX 115KV	118	0.01354	-0.16288	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	MCCLAIN 138KV	470	0.03051	-0.17982	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	MORLAND 138KV	320	0.02634	-0.17568	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	MUSTANG 115KV	300	0.01336	-0.16294	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	MUSTANG 138KV	351	0.03046	-0.1798	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	MUSTANG 230KV	460	0.01355	-0.16289	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	MUSTANG 69KV	74.3252	0.03047	-0.17981	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	NARROWS 69KV	22	0.01992	-0.16926	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	NICHOLS 115KV	111.9956	0.01036	-0.1597	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.18947	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.18947	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	OZARK 161KV	151.4133	0.02634	-0.17569	5
WERE	CITY OF ERIE 69KV	24.53	-14934	GRDA	PENSAOLA 161KV	33	0.03464	-0.18398	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.16691	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	PLANTX 115KV	205	0.01293	-0.16227	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	PLANTX 230KV	198	0.01281	-0.16215	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	REBLUD 345KV	150	0.03371	-0.18305	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.17989	5
WERE	CITY OF ERIE 69KV	24.53	-14934	CELE	RODEMACHER 230KV	891	0.00943	-0.15677	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	SAN JUAN 39KV	120	0.01308	-0.16242	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SEMINOLE 138KV	345.6892	0.03447	-0.18281	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SEMINOLE 345KV	1019	0.03116	-0.1805	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	SIDRCH 69KV	20	0.01016	-0.1595	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SMITH COGEN 138KV	107	0.03056	-0.1799	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SOONER 138KV	535	0.0334	-0.17861	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SOONER 345KV	537	0.02681	-0.17615	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.17718	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.17718	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	SPEARMAN 69KV	10	0.01002	-0.15936	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SPGCK12 13.200 345KV	78	0.0296	-0.17898	5
WERE	CITY OF ERIE 69KV	24.53	-14934	OKGKE	SPGCK34 13.200 345KV	11.89999	0.02964	-0.17898	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	STEER WATER 115KV	80	0.01094	-0.16028	5
WERE	CITY OF ERIE 69KV	24.53	-14934	CELE	TECHE 138KV	276.1713	0.00758	-0.15692	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	TEXAS COUNTY 115KV	20	0.00963	-0.15927	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	TOLK 230KV	1014.794	0.01302	-0.16268	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.18055	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SPS	WEATHERFORD 34KV	12	0.02594	-0.17528	5
WERE	CITY OF ERIE 69KV	24.53	-14934	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.18761	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WELSH 345KV	104	0.01807	-0.16471	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WILKES 138KV	421.735	0.0171	-0.16644	5
WERE	CITY OF ERIE 69KV	24.53	-14934	AEPW	WILKES 345KV	308	0.01689	-0.16623	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.19066	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.18272	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	CARTHAGE 69KV	32	-0.0118	-0.17169	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.19001	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00881	-0.17471	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	CLARENCE CANNON DAM 69KV	39.93503	-0.0163	-0.16722	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	FROSTATION 69KV	51	0.00784	-0.15201	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.1568	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	IRION SUB 230KV	25	0.00648	-0.19	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	JONESBORO 161KV	50.5	0.00131	-0.18483	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	EMDE	LARUSSEL 161KV	100	-0.01147	-0.17205	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	MALDEN 69KV	7	-0.00182	-0.18176	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.18031	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	PARAGOULD 69KV	5.5	0.0003	-0.18382	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	EMDE	RIVERTON 161KV	190	-0.01118	-0.17234	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	EMDE	RIVERTON 69KV	51.89226	-0.008	-0.18272	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	SIKESTON 161KV	235	-0.00345	-0.18007	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	EMDE	STATE LINE 161KV	603.2756	-0.01015	-0.17337	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	CELE	TECHE 138KV	276.1713	0.00758	-0.1911	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	SWPA	TRUMAN 161KV	103.4654	-0.02217	-0.16135	5
WERE	CITY OF FREDONIA 69KV	7.104	-18352	LEPA	WATERLOO SUB 230KV	6	0.00891	-0.18063	5
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.18877	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	BOOMER 69KV	24	0.04383	-0.16606	5
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	COGENTRIX 345KV	965	0.05051	-0.17274	5
WERE	CITY OF IOLA 69KV	42.878	-12223	SWPA	EUFAULLA 138KV	51.7327	0.0363	-0.18564	5
WERE	CITY OF IOLA 69KV	42.878	-12223	SWPA	EUFAULLA 161KV	70.68014	0.0363	-0.18563	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	GRDA1 161KV	125.9806	0.04991	-0.17214	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	GRDA1 345KV	220	0.04697	-0.1692	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	KERR 115KV	13.5	0.0447	-0.16923	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	KERR 161KV	13.5	0.0447	-0.16923	5
WERE	CITY OF IOLA 69KV	42.878	-12223	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.17921	5
WERE	CITY OF IOLA 69KV	42.878	-12223	OKGKE	MUSKOGEE 161KV	166	0.0432	-0.16543	5
WERE	CITY OF IOLA 69KV	42.878	-12223	OKGKE	MUSKOGEE 345KV	1548	0.04329	-0.16552	5
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	NORTHEASTERN STATION 345KV	625	0.05688	-0.17921	5
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	OEC 345KV	369	0.05177	-0.174	5
WERE	CITY OF IOLA 69KV	42.878	-12223	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.16236	5
WERE	CITY OF IOLA 69KV	42.878	-12223	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.16236	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	PENSAOLA 161KV	33	0.03464	-0.18398	5
WERE	CITY OF IOLA 69KV	42.878	-12223	GRDA	SALINA 161KV	37.61368	0.04817	-0.17036	5
WERE	CITY OF IOLA 69KV	42.878	-12223	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.17635	5
WERE	CITY OF IOLA 69KV	42.878	-12223	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.1605	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	ABILENE ENERGY CENTER 115KV	40	-0.02907	-0.18951	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	EMDE	ASBURY 161KV	191	-0.02936	-0.18922	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	CITY OF AUGUSTA 69KV	20.02	-0.03975	-0.17983	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.03879	-0.17979	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	CITY OF MULVANE 69KV	8.29	-0.03265	-0.18593	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.02949	-0.18909	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.03879	-0.17979	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	EMDE	ELK RIVER 345KV	44.93687	-0.04851	-0.17007	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	EMPORIA ENERGY CENTER 345KV	502.2	-0.03054	-0.18804	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	EVANS ENERGY CENTER 138KV	535	-0.02994	-0.18864	5
WERE	CITY OF NEEDSHA 69KV	6.738	-21858	WERE	GILL ENERGY CENTER 138KV	155	-0.03117	-0.18741	5

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

WERE	CHANUTE 69KV		24.563	-1.4934	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.14613	6
WERE	CHANUTE 69KV		24.563	-1.4934	SWPA	PARAGOULD 69KV	5.5	0.0003	-0.14964	6
WERE	CHANUTE 69KV		24.563	-1.4934	EMDE	RIVERTON 161KV	190	-0.1118	-0.13816	6
WERE	CHANUTE 69KV		24.563	-1.4934	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.14114	6
WERE	CHANUTE 69KV		24.563	-1.4934	SWPA	SIKESTON 161KV	235	-0.00345	-0.14589	6
WERE	CHANUTE 69KV		24.563	-1.4934	EMDE	STATE LINE 161KV	603.2766	-0.01015	-0.13919	6
WERE	CHANUTE 69KV		24.563	-1.4934	LEPA	WATERLOO SUB 230KV	6	0.00651	-0.15585	6
WERE	CITY OF AUGUSTA 69KV		17.24	-0.03975	AEPW	NORTHEASTERN STATION 138KV	488	0.11498	-0.15471	6
WERE	CITY OF BURLINGTON 69KV		13.7	-0.03879	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.15375	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.15648	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.14854	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	CARTHAGE 69KV	32	-0.01183	-0.13765	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.15583	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00881	-0.14053	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	CLARENCE CANNON DAM 69KV	39.93003	-0.0163	-0.13304	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	LEPA	IRION SUB 230KV	25	0.00648	-0.15582	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	JONESBORO 161KV	50.5	0.00331	-0.15065	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	EMDE	LARUSSEL 161KV	100	-0.01147	-0.13787	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	MALDEN 69KV	7	-0.00192	-0.14742	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.14613	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	PARAGOULD 69KV	5.5	0.0003	-0.14964	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	EMDE	RIVERTON 161KV	190	-0.1118	-0.13816	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.14114	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	SWPA	SIKESTON 161KV	235	-0.00345	-0.14589	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	EMDE	STATE LINE 161KV	603.2766	-0.01015	-0.13919	6
WERE	CITY OF ERIE 69KV		24.53	-1.4934	LEPA	WATERLOO SUB 230KV	6	0.00651	-0.15585	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	ABILENE ENERGY CENTER 115KV	40	-0.02907	-0.15445	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	EMDE	ASBURY 161KV	191	-0.02936	-0.15416	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	CITY OF AUGUSTA 69KV	20.02	-0.03975	-0.14377	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.03879	-0.14473	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	CITY OF MULVANE 69KV	8.29	-0.03265	-0.15087	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.02949	-0.15403	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.03879	-0.14473	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	EMDE	ELK RIVER 345KV	44.93687	-0.04851	-0.13501	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	EMPORIA ENERGY CENTER 345KV	502.2	0.0054	-0.15238	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	EVANS ENERGY CENTER 138KV	535	-0.02994	-0.15358	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	GILL ENERGY CENTER 138KV	155	-0.03117	-0.15235	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	GILL ENERGY CENTER 69KV	75	-0.03085	-0.15267	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	HOLTON 115KV	12.2	-0.02961	-0.15391	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	HUTCHINSON ENERGY CENTER 115KV	200.8322	-0.02728	-0.15624	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03037	-0.15315	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03034	-0.15318	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	LAWRENCE ENERGY CENTER 230KV	2334.976	-0.03145	-0.15207	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	SMOKEY HILL 24KV	176	-0.0289	-0.15261	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	SOUTH SENECA 115KV	8.5	-0.02807	-0.15545	6
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.03115	-0.15237	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	AES 161KV	320	0.028	-0.15023	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	WFEC	ANADARKO 138KV	345.78811	0.02815	-0.15038	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	WFEC	ANADARKO 69KV	76	0.02821	-0.15044	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	BEAVER 161KV	145.4916	0.01191	-0.13414	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.1474	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	CAPROCK 0KV	80	0.0128	-0.13503	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	CENTRAL WIND 34KV	16	0.0286	-0.15087	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	COMANCHE 138KV	145	0.02734	-0.14957	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	COMANCHE 69KV	60	0.0275	-0.14973	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	CUNNINGHAM 115KV	110	0.01354	-0.13577	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	CUNNINGHAM 230KV	306	0.01351	-0.13574	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	CZ 69KV	39	0.0158	-0.1328	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	DENISON 138KV	60.32151	0.03017	-0.1524	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	CELE	DOLET HILLS 345KV	370	0.01429	-0.13652	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	EASTMAN 138KV	155	0.01663	-0.13886	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	ELLIS 69KV	16	0.0286	-0.15087	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	FITZHUGH 161KV	109	0.02436	-0.14659	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	FLINT CREEK 161KV	400	0.02994	-0.15217	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	FPLWIND 2 34KV	8	0.02634	-0.14857	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	HOBBS_PLT21 18.000 115KV	10299	0.01354	-0.13577	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	HOBBS_PLT31 18.000 230KV	102	0.01352	-0.13578	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.1545	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.15522	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	WFEC	HUGO 138KV	450	0.02659	-0.14882	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	JONES 230KV	60	0.01458	-0.13581	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	KNOXLEE 138KV	294	0.01653	-0.13876	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	LEBROCK 345KV	165	0.01658	-0.13881	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	LIEBERMAN 138KV	156	0.01571	-0.13794	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	LP-BRINDZ 69KV	20	0.01463	-0.13868	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	LP-MACK 2 69KV	60	0.01462	-0.13868	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	MADDOX 115KV	118	0.01354	-0.13577	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	MCCLAIN 138KV	470	0.03051	-0.15274	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	WFEC	MORLIND 138KV	320	0.02634	-0.14857	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	MUSTANG 115KV	300	0.01346	-0.13583	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	MUSTANG 138KV	351	0.03046	-0.15269	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	MUSTANG 230KV	460	0.01355	-0.13578	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	MUSTANG 69KV	74	0.03252	-0.03047	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	NARROWS 69KV	22	0.01992	-0.14215	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	NICHOLS 115KV	111.90358	0.01223	-0.13269	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	OZARK 161KV	151.043	0.02435	-0.14658	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.1388	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	PLANTX 115KV	205	0.01293	-0.13516	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	PLANTX 230KV	189	0.01281	-0.13504	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	REDBLD 345KV	150	0.03371	-0.15594	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	ROBERT S. KERR 161KV	317.7685	0.03055	-0.15278	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SFS	SAN JUAN 230KV	120	0.01308	-0.13531	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.1537	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	SEMINOLE 245KV	1019	0.01316	-0.13539	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	SMITH COGEN 138KV	107	0.03056	-0.15279	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	SOONER 138KV	535	0.03347	-0.1557	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	OKGE	SOONER 345KV	537	0.02681	-0.14904	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	SOUTHWESTERN STATION 138KV	421	0.02782	-0.15027	6
WERE	CITY OF IOLA 69KV		42.878	-0.12223	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.15007	6
WERE	CITY OF IOLA 69KV									

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

WERE	CHANUTE 69KV		24.563	-0.14934	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03037	-0.11897	7
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03034	-0.119	7
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	LAWRENCE ENERGY CENTER 230KV	233,9476	-0.02145	-0.11789	7
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	SMOKEY HILLS 34KV	126	-0.02691	-0.12243	7
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	SOUTH SENECA 115KV	8.5	-0.02807	-0.12127	7
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.03115	-0.11819	7
WERE	CHANUTE 69KV		24.563	-0.14934	SWPA	TRUMAN 161KV	103.4654	-0.02217	-0.12171	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	ABELINE ENERGY CENTER 115KV	40	-0.02907	-0.12027	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	EMDE	ASBURY 161KV	191	-0.02936	-0.11998	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	CITY OF MULVANE 69KV	8.29	-0.03265	-0.11669	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.02949	-0.11985	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	EMPIORA ENERGY CENTER 345KV	502.2	-0.03054	-0.11789	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	EVANS ENERGY CENTER 138KV	535	-0.02994	-0.1194	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	GILL ENERGY CENTER 138KV	155	-0.03117	-0.11817	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	GILL ENERGY CENTER 69KV	75	-0.03085	-0.11849	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	HOLTON 115KV	12.2	-0.02961	-0.11973	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	HUTCHINSON ENERGY CENTER 115KV	200.8322	-0.02728	-0.12208	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03037	-0.11897	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03034	-0.119	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	LAWRENCE ENERGY CENTER 230KV	233,9476	-0.02145	-0.11789	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	SMOKEY HILLS 34KV	126	-0.02691	-0.12243	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	SOUTH SENECA 115KV	8.5	-0.02807	-0.12127	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.03115	-0.11819	7
WERE	CITY OF ERIE 69KV		24.53	-0.14934	SWPA	TRUMAN 161KV	103.4654	-0.02217	-0.12171	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	BOOMER 69KV	24	0.04383	-0.11764	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	COGENTRIX 345KV	989	0.05677	-0.12568	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	GRDA1 161KV	125.9606	0.04991	-0.12372	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	GRDA1 345KV	220	0.04697	-0.12078	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	KERR 115KV	13.5	0.047	-0.12081	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	KERR 161KV	13.5	0.04813	-0.12194	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.13079	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	MUSKOGEE 161KV	166	0.0432	-0.11701	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.1171	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.13075	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	OKC 345KV	969	0.05777	-0.12568	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	SALINA 161KV	37.61368	0.04813	-0.12194	7
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	TULSA POWER STATION 138KV	299	0.06412	-0.12793	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.12337	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	BLACKHAWK 115KV	220	0.01015	-0.13238	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.12143	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.12872	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	CELE	EVANGELINE 138KV	155	0.00854	-0.13077	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	CELE	EVANGELINE 230KV	194	0.00862	-0.13085	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	FROG STATION 69KV	25	0.01223	-0.13207	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.12969	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	HANSFORD 115KV	80	0.00998	-0.13221	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	HARRINGTON 230KV	1066	0.00996	-0.13219	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	HUBKROTT 69KV	11	0.01016	-0.13238	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	IRION SUB 230KV	25	0.00648	-0.12871	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	JONESBORO 161KV	50.5	0.00131	-0.12354	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	MALDEN 69KV	7	-0.00192	-0.12031	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.11902	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	PARAGOULD 69KV	5	0.00222	-0.12325	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	CELE	RODEMACHER 230KV	891	0.00943	-0.13166	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	SIDROH 69KV	20	0.01016	-0.13230	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SWPA	SIKESON 161KV	235	-0.00345	-0.11878	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	SPEARMAN 69KV	10	0.01002	-0.13225	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	TECHE 345KV	276.1713	0.00758	-0.12981	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.13216	7
WERE	CITY OF IOLA 69KV		42.878	-0.12223	LEPA	WATERLOO SUB 230KV	6	0.00651	-0.12874	7
WERE	CITY OF WINFIELD 69KV		27.30999	-0.00881	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.12277	7
SWPA	CLARENCE CANNON DAM 69KV		8.064972	-0.0163	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.13126	7
SWPA	KENNETT 69KV		29	-0.00106	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.11602	7
EMDE	LARUSSEL 161KV		196	-0.01147	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.12643	7
SWPA	MALDEN 69KV		10	-0.00192	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.11688	7
WERE	OXFORD 138KV		8	-0.01376	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.12872	7
SWPA	PIGGOTT 69KV		7.5	-0.00137	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.11688	7
SWPA	POPLAR BLUFF 69KV		13	-0.00365	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.11861	7
EMDE	RIVERTON 161KV		95	-0.01118	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.12614	7
EMDE	RIVERTON 69KV		16.10794	-0.00302	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.12316	7
EMDE	STATE LINE 161KV		2,724,403	-0.01015	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.13238	7
CELE	MCADIA 138KV		1322	-0.00789	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10707	8
LEPA	BAYOU RAMOS 138KV		18,98487	0.00714	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10782	8
SWPA	BEAVER 161KV		20,10843	0.01191	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10305	8
SPS	CARLSBAD 69KV		18	0.01339	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10757	8
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	CITY OF AUGUSTA 69KV	20.82	-0.03879	-0.11059	8
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.03879	-0.11055	8
WERE	CHANUTE 69KV		24.563	-0.14934	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.03879	-0.11055	8
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	CITY OF AUGUSTA 69KV	20.02	-0.03975	-0.10959	8
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.03879	-0.11055	8
WERE	CITY OF ERIE 69KV		24.53	-0.14934	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.03879	-0.11055	8
WERE	CITY OF FREDONIA 69KV		7.104	-0.18352	WERE	CITY OF GIRARD 69KV	3.6	-0.07381	-0.10971	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	AES 161KV	320	0.028	-0.10181	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.10196	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	WFEC	ANADARKO 69KV	6	0.02821	-0.10202	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	SWPA	DENISON 138KV	60.32151	0.03017	-0.10398	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	ELLIS 69KV	6.6	0.0286	-0.10241	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	SWPA	EUFULA 138KV	51.7327	0.0363	-0.11011	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	SWPA	EUFULA 161KV	70.60814	0.0363	-0.11011	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	AEPW	FLINT CREEK 161KV	400	0.02994	-0.10375	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.10608	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.1068	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	MCLAIN 138KV	470	0.03051	-0.10432	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	MUSTANG 138KV	85	0.03045	-0.10427	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.10428	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.11394	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.11394	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	GRDA	PENNINGTON 161KV	107	0.03056	-0.10437	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	OKGE	REDDUB 345KV	150	0.03371	-0.10752	8
WERE	CITY OF GIRARD 69KV		7.1	-0.07381	SWPA	ROBERT S. KERR 161KV				

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

SPS	TOLK 230KV	65.20627	0.01304	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10192	8
SPS	TUCUMCARI 115KV	15	0.0128	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10216	8
LEPA	WATERLOO SUB 230KV	3	0.00851	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10345	8
AEPW	ARSENAL HILL 69KV	110	0.01548	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09948	9
WERE	CHANUTE 69KV	24.563	-0.14934	EMDE	ELK RIVER 345KV	44.93687	-0.04851	-0.10083	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	KEYSTONE DAM 161KV	152.202	0.06698	-0.09673	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.09669	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	OEC 345KV	369	0.06177	-0.09577	9
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.09387	9
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	KEYSTONE DAM 161KV	152.202	0.06698	-0.09577	9
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.09573	9
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.09387	9
WERE	CITY OF ERIE 69KV	24.53	-0.14934	EMDE	ELK RIVER 345KV	44.93687	-0.04851	-0.10083	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.09898	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	OKGE	CENTENAL WIND 34KV	16	0.02644	-0.10025	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	COMANCHE 138KV	145	0.02734	-0.10115	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	COMANCHE 69KV	60	0.0275	-0.10131	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	FITZHUGH 161KV	109	0.02436	-0.09817	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	OKGE	FPLWIND2 34KV	8	0.02634	-0.10015	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WFEC	HUGO 138KV	450	0.02659	-0.1004	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WFEC	MORLAND 138KV	320	0.02634	-0.10015	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	NARROWS 69KV	22	0.01992	-0.09373	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	OZARK 161KV	151.043	0.02435	-0.09816	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	OKGE	SOONER 345KV	537	0.02681	-0.10062	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	WEATHERFORD 34KV	12	0.02594	-0.09975	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	WELSH 345KV	104	0.01807	-0.09488	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	WILKES 138KV	421.735	0.0171	-0.09091	9
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	WILKES 345KV	308	0.01689	-0.09007	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	ABILENE ENERGY CENTER 115KV	40	-0.02907	-0.09316	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	EMDE	ASBURY 161KV	940	-0.02936	-0.09287	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.02949	-0.09274	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	EMPORIA ENERGY CENTER 345KV	502.2	-0.03054	-0.09169	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	EVANS ENERGY CENTER 138KV	535	-0.02994	-0.09223	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	GILL ENERGY CENTER 138KV	155	-0.03117	-0.09106	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	GILL ENERGY CENTER 69KV	12	-0.03086	-0.09138	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	HOLTON 115KV	12.2	-0.02961	-0.09262	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	HUTCHINSON ENERGY CENTER 115KV	200.832	-0.02728	-0.09495	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03037	-0.09186	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03034	-0.09168	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	LAWRENCE ENERGY CENTER 230KV	233.9476	-0.03145	-0.09078	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	SMOKEY HILLS 34KV	126	-0.02891	-0.09532	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	SOUTH SENECA 115KV	8.5	-0.02807	-0.09416	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	WERE	TUCUMSEH ENERGY CENTER 115KV	133	-0.03115	-0.09108	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	SWPA	TRUMAN 161KV	103.4684	-0.02117	-0.09306	9
WERE	CITY OF IOLA 69KV	42.878	-0.12223	SWPA	NORTHEASTERN STATION 138KV	488	0.11496	-0.10067	9
AEPW	EASTMAN 138KV	330.01	0.01663	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09833	9
AEPW	FULTON 115KV	32.99999	0.01502	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09994	9
WERE	GETTY 69KV	35	-0.04699	GRDA	BOOMER 69KV	24	0.04383	-0.09862	9
WERE	GETTY 69KV	35	-0.04699	AEPW	COGENTRIX 345KV	965	0.05051	-0.0975	9
WERE	GETTY 69KV	35	-0.04699	GRDA	GRDA1 161KV	125.9806	0.04991	-0.0969	9
WERE	GETTY 69KV	35	-0.04699	GRDA	GRDA1 345KV	220	0.04697	-0.09396	9
WERE	GETTY 69KV	35	-0.04699	GRDA	KERR 115KV	13.5	0.047	-0.09399	9
WERE	GETTY 69KV	35	-0.04699	GRDA	KERR 161KV	13.5	0.04813	-0.09387	9
WERE	GETTY 69KV	35	-0.04699	AEPW	OEC 345KV	369	0.05177	-0.09876	9
WERE	GETTY 69KV	35	-0.04699	GRDA	SALINA 161KV	37.61368	0.04813	-0.09512	9
WERE	GETTY 69KV	35	-0.04699	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.10111	9
AEPW	KNOXLEE 138KV	138	0.01653	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09843	9
AEPW	LEBROCK 345KV	152	0.01658	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09807	9
AEPW	LIEBERMAN 138KV	72	0.01571	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09925	9
AEPW	LONESTAR POWER PLANT 69KV	50	0.01725	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09771	9
SPS	LP-HOLLZ 69KV	154	0.01461	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10035	9
SPS	LP-MACKZ 69KV	20	0.01462	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.10034	9
AEPW	NARROWS 69KV	3	0.01992	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09504	9
AEPW	NORTH MARSHALL 69KV	5	0.01643	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09853	9
AEPW	PIRKEY GENERATION 138KV	45	0.01657	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09839	9
AEPW	WILKES 138KV	41.26495	0.01711	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09786	9
AEPW	WILKES 345KV	3	0.01658	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09807	9
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	KEYSTONE DAM 161KV	152.202	0.06698	-0.08605	10
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.08601	10
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08319	10
WFEC	ASBURY 161KV	26.21091	0.02815	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09843	10
EMDE	ASBURY 161KV	20	-0.02936	SWPA	KEYSTONE DAM 161KV	152.202	0.06698	-0.08534	10
EMDE	ASBURY 161KV	20	-0.02936	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.0863	10
EMDE	ASBURY 161KV	20	-0.02936	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08348	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	KEYSTONE DAM 161KV	152.202	0.06698	-0.08454	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.08454	10
SWPA	BROKEN BOW 138KV	15.32319	0.02517	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08979	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	BOOMER 69KV	24	0.04383	-0.08358	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	COGENTRIX 345KV	965	0.05051	-0.09026	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	GRDA1 161KV	125.9806	0.04991	-0.09366	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	GRDA1 345KV	220	0.04697	-0.08572	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	KERR 115KV	13.5	0.047	-0.08675	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	KERR 161KV	13.5	0.04813	-0.08788	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	MUSKOGEE 161KV	166	0.0432	-0.08295	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.08256	10
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	SALINA 161KV	37.61368	0.04813	-0.08788	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	BOOMER 69KV	24	0.04383	-0.08262	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	COGENTRIX 345KV	965	0.05051	-0.0893	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	GRDA1 161KV	125.9806	0.04991	-0.0887	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	GRDA1 345KV	220	0.04697	-0.08576	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	KERR 115KV	13.5	0.047	-0.08579	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	KERR 161KV	13.5	0.04813	-0.08692	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.08208	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	OEC 345KV	369	0.05177	-0.09356	10
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	SALINA 161KV	37.61368	0.04813	-0.08692	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	BEAVER 161KV	145.4916	0.01191	-0.08572	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SPS	BLACKHAWK 115KV	220	0.01015	-0.08396	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SPS	CARRICK 69KV	80	0.0129	-0.08661	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SPS	CUNNINGHAM 115KV	110	0.01354	-0.08735	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SPS	CUNNINGHAM 230KV	306	0.01351	-0.08732	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SPS	CZ 69KV	39	0.01156	-0.08537	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	CELE	DOLET HILLS 345KV	370	0.01429	-0.0881	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	EASTMAN 138KV	155	0.0163	-0.09044	10
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	CELE	EVANGELINE 138KV	155	0.00854	-0.08235	10
WERE	CITY OF GIR								

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

WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	OEC 345KV	369	0.06177	-0.08442	10
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08677	10
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08647	10
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08643	10
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08361	10
WERE	COMANCHE 138KV	15	0.02734	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08762	10
SWPA	DENISON 138KV	0.678468	0.03017	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08479	10
AEPW	ELLIS 69KV	19.4	0.02949	SWPA	NORTHEASTERN STATION 138KV	488	0.11496	-0.08336	10
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08752	10
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08748	10
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	OEC 345KV	369	0.06177	-0.08231	10
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08468	10
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08692	10
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08688	10
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08406	10
AEPW	FITZHUGH 161KV	17	0.02436	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.0906	10
WERE	FLINT CREEK 161KV	28	0.02994	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08502	10
WERE	GETTY 69KV	35	-0.04699	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.08329	10
WERE	GETTY 69KV	35	-0.04699	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.08329	10
WERE	GETTY 69KV	35	-0.04699	OKGE	MUSKOGEE 161KV	166	0.0432	-0.09019	10
WERE	GETTY 69KV	35	-0.04699	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.09208	10
WERE	GETTY 69KV	35	-0.04699	OMPA	OMPA-KAW 69KV	13.7	0.04013	-0.08712	10
WERE	GETTY 69KV	35	-0.04699	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.08712	10
WERE	GETTY 69KV	35	-0.04699	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.08526	10
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08815	10
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08811	10
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	OEC 345KV	369	0.06177	-0.08294	10
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08529	10
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08783	10
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08779	10
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	OEC 345KV	369	0.06177	-0.08262	10
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08497	10
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08659	10
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08655	10
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08373	10
OKGE	HORSESHOE LAKE 138KV	64	0.03227	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08269	10
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08426	10
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08422	10
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08425	10
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08421	10
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08735	10
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08731	10
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEPW	OEC 345KV	369	0.06177	-0.08214	10
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08469	10
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08732	10
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08728	10
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	OEC 345KV	369	0.06177	-0.08211	10
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08446	10
AEPW	KIOWA 345KV	1348	-0.03105	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08391	10
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08843	10
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08839	10
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	OEC 345KV	369	0.06177	-0.08322	10
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08657	10
OKGE	MCLAIN 138KV	50	0.03051	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08445	10
OKGE	MUSTANG 138KV	49	0.03046	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.0845	10
OKGE	MUSTANG 69KV	31.67479	0.03047	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08449	10
OMPA	OMPA-KINGFISHER BOWMAN 69KV	8.5	0.02784	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08712	10
OMPA	OMPA-LAVERNE 69KV	4	0.02638	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08628	10
OMPA	OMPA-MANGUM 69KV	6.2	0.02493	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09003	10
SWPA	OZARK 161KV	44.097	0.02435	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.09061	10
SWPA	ROBERT S. KERR 161KV	70.9135	0.03055	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08441	10
OKGE	SEMINOLE 138KV	159.3319	0.03147	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08349	10
OKGE	SEMINOLE 345KV	10.60004	0.03116	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.0838	10
OKGE	SOUTH 4TH ST 69KV	42.7	0.02734	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08762	10
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08505	10
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08501	10
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08378	10
AEPW	SOUTHWESTERN STATION 138KV	141	0.02784	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08712	10
AEPW	SOUTHWESTERN STATION 138KV	16	0.02784	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08712	10
OKGE	SP6CK3&4 13 20 345KV	111.1	0.02964	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08532	10
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08813	10
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08809	10
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	OEC 345KV	369	0.06177	-0.08292	10
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08527	10
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08808	10
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08804	10
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	OEC 345KV	369	0.06177	-0.08287	10
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08522	10
OKGE	TINKER 50 138KV	62	0.03126	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08327	10
AEPW	TONKATOWN 161KV	152.2621	0.03121	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08375	10
WERE	WACO 138KV	30	-0.03104	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.08802	10
WERE	WACO 138KV	30	-0.03104	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.08798	10
WERE	WACO 138KV	30	-0.03104	AEPW	OEC 345KV	369	0.06177	-0.08281	10
WERE	WACO 138KV	30	-0.03104	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08516	10
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	AEPW	COGENTRIX 345KV	965	0.05051	-0.08628	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07898	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	GRDA1 345KV	220	0.04697	-0.07604	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	KERR 115KV	13.5	0.047	-0.07607	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	KERR 161KV	13.5	0.04813	-0.07372	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	AEPW	OEC 345KV	369	0.06177	-0.08084	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	SALINA 161KV	37.61368	0.04813	-0.0772	11
EMDE	ASBURY 161KV	20	-0.02936	AEPW	COGENTRIX 345KV	965	0.05051	-0.07987	11
EMDE	ASBURY 161KV	20	-0.02936	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07927	11
EMDE	ASBURY 161KV	20	-0.02936	GRDA	GRDA1 345KV	220	0.04697	-0.07633	11
EMDE	ASBURY 161KV	20	-0.02936	GRDA	KERR 115KV	13.5	0.047	-0.07636	11
EMDE	ASBURY 161KV	20	-0.02936	GRDA	KERR 161KV	13.5	0.04813	-0.07449	11
EMDE	ASBURY 161KV	20	-0.02936	AEPW	OEC 345KV	369	0.06177	-0.08113	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	GRDA	SALINA 161KV	37.61368	0.04813	-0.07749	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	GRDA	COGENTRIX 345KV	965	0.05051	-0.07811	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07751	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	GRDA	KERR 161KV	13.5	0.04813	-0.07573	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	OEC 345KV	369	0.06177	-0.07937	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	GRDA					

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

WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	GRDA1 345KV	220	0.04697	-0.07751	11
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	KERR 115KV	13.5	0.047	-0.07754	11
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	KERR 161KV	13.5	0.04813	-0.07867	11
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	SALINA 161KV	37.61968	0.04813	-0.07867	11
SWPA	EUFULA 138KV	8.267307	0.0363	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07866	11
SWPA	EUFULA 161KV	11.39187	0.0363	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07866	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	COGENTRIX 345KV	965	0.05051	-0.08045	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08038	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	GRDA1 345KV	220	0.04697	-0.07691	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	KERR 115KV	13.5	0.047	-0.07694	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	KERR 161KV	13.5	0.04813	-0.07807	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	OEC 345KV	369	0.05177	-0.08171	11
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	SALINA 161KV	37.61968	0.04813	-0.07807	11
WERE	GETTY 69KV	35	-0.04699	OKGE	AES 161KV	320	0.028	-0.07499	11
WERE	GETTY 69KV	35	-0.04699	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.07514	11
WERE	GETTY 69KV	35	-0.04699	WFEC	ANADARKO 69KV	76	0.02821	-0.0752	11
WERE	GETTY 69KV	35	-0.04699	SWPA	DENISON 138KV	60.32151	0.03017	-0.07716	11
WERE	GETTY 69KV	35	-0.04699	AEPW	ELLIS 69KV	6.6	0.0286	-0.07559	11
WERE	GETTY 69KV	35	-0.04699	AEPW	FLINT CREEK 161KV	400	0.02994	-0.07693	11
WERE	GETTY 69KV	35	-0.04699	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.07928	11
WERE	GETTY 69KV	35	-0.04699	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.07998	11
WERE	GETTY 69KV	35	-0.04699	OKGE	MCCLAIN 138KV	470	0.03051	-0.0775	11
WERE	GETTY 69KV	35	-0.04699	OKGE	MUSTANG 138KV	351	0.03046	-0.07745	11
WERE	GETTY 69KV	35	-0.04699	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.07746	11
WERE	GETTY 69KV	35	-0.04699	GRDA	PENSACOLA 161KV	33	0.03464	-0.08163	11
WERE	GETTY 69KV	35	-0.04699	OKGE	REDDUD 345KV	150	0.0337	-0.078	11
WERE	GETTY 69KV	35	-0.04699	SWPA	ROBERT S. KERR 161KV	317.7665	0.03055	-0.07754	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.07846	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SEMINOLE 345KV	1019	0.03116	-0.07815	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SMITH COGEN 138KV	107	0.03086	-0.07755	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SOONER 138KV	535	0.03347	-0.08046	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SPGCK1&2 13.200 345KV	78	0.02964	-0.07663	11
WERE	GETTY 69KV	35	-0.04699	OKGE	SPGCK3&4 13.200 345KV	11.89999	0.02964	-0.07663	11
WERE	GETTY 69KV	35	-0.04699	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.0782	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	BOOMER 69KV	24	0.04383	-0.076	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	COGENTRIX 345KV	965	0.05051	-0.08168	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08108	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	GRDA1 345KV	220	0.04697	-0.07814	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	KERR 115KV	13.5	0.047	-0.07817	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	KERR 161KV	13.5	0.04813	-0.0793	11
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	SALINA 161KV	37.61968	0.04813	-0.0793	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	COGENTRIX 345KV	965	0.05051	-0.08136	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08076	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	GRDA1 345KV	220	0.04697	-0.0782	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	KERR 115KV	13.5	0.047	-0.07885	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	KERR 161KV	13.5	0.04813	-0.07898	11
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	SALINA 161KV	37.61968	0.04813	-0.07898	11
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	COGENTRIX 345KV	965	0.05051	-0.08102	11
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07952	11
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	GRDA1 345KV	220	0.04697	-0.07658	11
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	KERR 115KV	13.5	0.047	-0.07661	11
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	KERR 161KV	13.5	0.04813	-0.07774	11
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	OEC 345KV	369	0.05177	-0.08138	11
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	SALINA 161KV	37.61968	0.04813	-0.07774	11
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	COGENTRIX 345KV	965	0.05051	-0.07779	11
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07719	11
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	GRDA	KERR 161KV	13.5	0.04813	-0.07541	11
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	OEC 345KV	369	0.05177	-0.08085	11
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	GRDA	SALINA 161KV	37.61968	0.04813	-0.07541	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.0814	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	COGENTRIX 345KV	965	0.05051	-0.07778	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07718	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	KERR 161KV	13.5	0.04813	-0.0754	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	OEC 345KV	369	0.05177	-0.07904	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	SALINA 161KV	37.61968	0.04813	-0.0754	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.08139	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	COGENTRIX 345KV	965	0.05051	-0.08088	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08028	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	GRDA1 345KV	220	0.04697	-0.07734	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	KERR 115KV	13.5	0.047	-0.07737	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	KERR 161KV	13.5	0.04813	-0.07875	11
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	SALINA 161KV	37.61968	0.04813	-0.07875	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	COGENTRIX 345KV	965	0.05051	-0.08085	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08025	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	GRDA1 345KV	220	0.04697	-0.07731	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	KERR 115KV	13.5	0.047	-0.07734	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	KERR 161KV	13.5	0.04813	-0.07847	11
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	SALINA 161KV	37.61968	0.04813	-0.07847	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	BOOMER 69KV	24	0.04383	-0.07528	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	COGENTRIX 345KV	965	0.05051	-0.08136	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08136	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	GRDA1 345KV	220	0.04697	-0.07842	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	KERR 115KV	13.5	0.047	-0.07845	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	KERR 161KV	13.5	0.04813	-0.07958	11
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	GRDA	SALINA 161KV	37.61968	0.04813	-0.07958	11
GRDA	PENSACOLA 69KV	63	0.03637	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07859	11
OKGE	REDDUD 345KV	1050	0.03371	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08125	11
OKGE	SOONER 138KV	5	0.03347	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.08149	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	COGENTRIX 345KV	965	0.05051	-0.07868	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	GRDA1 161KV	125.9606	0.04991	-0.07798	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	GRDA1 345KV	220	0.04697	-0.07504	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	KERR 115KV	13.5	0.047	-0.07507	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	KERR 161KV	13.5	0.04813	-0.0762	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	OEC 345KV	369	0.05177	-0.07884	11
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	SALINA 161KV	37.61968	0.04813	-0.0762	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	BOOMER 69KV	24	0.04383	-0.07498	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	COGENTRIX 345KV	965	0.05051	-0.08166	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	GRDA1 161KV	125.9606	0.04991	-0.08106	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	GRDA1 345KV	220	0.04697	-0.07812	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	KERR 115KV	13.5	0.047	-0.07815	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	KERR 161KV	13.5	0.04813	-0.07928	11
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	GRDA	SALINA 161KV	37.61968	0.04813	-0.07928	11
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	BOOMER 69KV	24	0.04383	-0.07493	11
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	GRDA	COGENTRIX 345KV	965	0.05051	-0.08161	11
WERE									

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

WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	MCCLAINE 138KV	470	0.03051	-0.07028	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	MUSTANG 138KV	351	0.03046	-0.07021	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	MUSTANG 69KV	74,3252	0.03047	-0.07022	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	GRDA	PENSACOLA 161KV	33	0.03464	-0.07439	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	REDBUD 138KV	150	0.03371	-0.07346	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	ROBERT S. KERR 161KV	317,7895	0.03055	-0.0703	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	SEMINOLE 138KV	345,6682	0.03147	-0.07122	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SEMINOLE 345KV	1019	0.03116	-0.07091	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SMITH COGEN 138KV	107	0.03056	-0.07031	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SOONER 138KV	535	0.03347	-0.07322	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SPGCK1&2 13 200 345KV	76	0.02964	-0.06939	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SPGCK1&2 13 200 345KV	11,89099	0.02964	-0.06939	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	TONTITOWN 161KV	163,8579	0.03121	-0.07096	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	DENISON 138KV	60,32151	0.03017	-0.06896	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.07106	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.07178	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	MCCLAINE 138KV	470	0.03051	-0.07028	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	MUSTANG 138KV	351	0.03046	-0.07025	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	MUSTANG 69KV	74,3252	0.03047	-0.07026	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	GRDA	PENSACOLA 161KV	33	0.03464	-0.07343	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	REDBUD 345KV	150	0.03371	-0.07325	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	ROBERT S. KERR 161KV	317,7895	0.03055	-0.07034	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SEMINOLE 138KV	345,6682	0.03147	-0.07026	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06995	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06935	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SOONER 138KV	535	0.03347	-0.07287	12
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	TONTITOWN 161KV	163,8579	0.03121	-0.07071	12
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	BULL SHOALS 161KV	282,2328	-0.0008	-0.03031	12
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	MALDEN 69KV	7	-0.00192	-0.07189	12
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	OZARK BEACH 161KV	56	-0.0032	-0.06706	12
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	PARAGOULD 69KV	5.5	0.0003	-0.07411	12
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	SIKESTON 161KV	235	-0.00345	-0.07036	12
WERE	CITY OF IOLA 69KV	42.878	-0.12223	EMDE	ELK RIVER 345KV	44,93687	-0.04851	-0.07372	12
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	EUFULA 138KV	51,7327	0.0363	-0.06895	12
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	EUFULA 161KV	70,60814	0.0363	-0.06895	12
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07278	12
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07278	12
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	WEBBERS FALLS 161KV	39,54554	0.03827	-0.07092	12
WERE	CITY OF NEODESHA 69KV	6.739	-0.21858	WERE	CHANUTE 69KV	56	0.0321	-0.06828	12
SWPA	CLARENCE CANNON DAM 69KV	8,064972	-0.0163	SWPA	KEYSTONE DAM 161KV	152,201	0.05698	-0.07328	12
SWPA	CLARENCE CANNON DAM 69KV	8,064972	-0.0163	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.07324	12
SWPA	CLARENCE CANNON DAM 69KV	8,064972	-0.0163	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.07042	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	GRDA	BOOMER 69KV	24	0.04383	-0.07332	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07374	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07278	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.06962	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.06962	12
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	BOOMER 69KV	24	0.04383	-0.07332	12
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07374	12
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07383	12
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07067	12
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07067	12
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	BOOMER 69KV	24	0.04383	-0.07332	12
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07314	12
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07323	12
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07007	12
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07007	12
WERE	GETTY 69KV	35	-0.04699	SWPA	BROKEN BOW 138V	84,87691	0.0267	-0.07216	12
WERE	GETTY 69KV	35	-0.04699	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.07343	12
WERE	GETTY 69KV	35	-0.04699	AEPW	COMANCHE 138KV	145	0.02734	-0.07433	12
WERE	GETTY 69KV	35	-0.04699	AEPW	COMANCHE 69KV	60	0.0275	-0.07449	12
WERE	GETTY 69KV	35	-0.04699	AEPW	FITZLUIGH 161KV	109	0.02436	-0.07125	12
WERE	GETTY 69KV	35	-0.04699	OKGE	FRLWNO2 34KV	8	0.02634	-0.07333	12
WERE	GETTY 69KV	35	-0.04699	WFEC	HUGO 138KV	450	0.02659	-0.07358	12
WERE	GETTY 69KV	35	-0.04699	WFEC	MORLAND 138KV	320	0.02634	-0.07333	12
WERE	GETTY 69KV	35	-0.04699	SWPA	OZARK 161KV	151,403	0.02435	-0.07134	12
WERE	GETTY 69KV	35	-0.04699	OKGE	SOONER 345KV	537	0.0268	-0.07378	12
WERE	GETTY 69KV	35	-0.04699	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.07483	12
WERE	GETTY 69KV	35	-0.04699	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.07483	12
WERE	GETTY 69KV	35	-0.04699	AEPW	WEATHERFORD 34KV	12	0.02594	-0.07293	12
GILL ENERGY CENTER 138KV	84,99999	-0.03117	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07407	12	
GILL ENERGY CENTER 138KV	84,99999	-0.03117	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07446	12	
GILL ENERGY CENTER 138KV	84,99999	-0.03117	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.0713	12	
GILL ENERGY CENTER 138KV	84,99999	-0.03117	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.0713	12	
GILL ENERGY CENTER 138KV	84,99999	-0.03117	SWPA	WEBBERS FALLS 161KV	39,54554	0.03827	-0.07056	12	
GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	BOOMER 69KV	24	0.04383	-0.07468	12	
GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07405	12	
GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07414	12	
GILL ENERGY CENTER 69KV	8	-0.03085	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07098	12	
GILL ENERGY CENTER 69KV	8	-0.03085	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07098	12	
GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	WEBBERS FALLS 161KV	39,54554	0.03827	-0.06912	12	
HOLTON 115KV	7.6	-0.02961	GRDA	BOOMER 69KV	24	0.04383	-0.07344	12	
HOLTON 115KV	7.6	-0.02961	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07281	12	
HOLTON 115KV	7.6	-0.02961	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.0729	12	
HOLTON 115KV	7.6	-0.02961	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.06974	12	
HOLTON 115KV	7.6	-0.02961	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.06974	12	
HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.02728	GRDA	BOOMER 69KV	24	0.04383	-0.07111	12	
HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.02728	GRDA	GRDA1 345KV	220	0.04697	-0.07425	12	
HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.02728	GRDA	KERR 115KV	13.5	0.047	-0.07428	12	
HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.02728	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07048	12	
HUTCHINSON ENERGY CENTER 115KV	243,1678	-0.02728	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07057	12	
HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	BOOMER 69KV	24	0.04383	-0.0711	12	
HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	GRDA1 345KV	220	0.04697	-0.07424	12	
HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	KERR 115KV	13.5	0.047	-0.07427	12	
HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07047	12	
HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07056	12	
JEFFREY ENERGY CENTER 230KV	24	-0.03037	GRDA	BOOMER 69KV	24	0.04383	-0.07056	12	
JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07057	12	
JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07066	12	
JEFFREY ENERGY CENTER 230KV	24	-0.03037	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.0705	12	
JEFFREY ENERGY CENTER 230KV	24	-0.03037	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.0705	12	
JEFFREY ENERGY CENTER 345KV	42	-0.03034	GRDA	BOOMER 69KV	24	0.04383	-0.07147	12	
JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07254	12	
JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07363	12	
JEFFREY ENERGY CENTER 345KV	42	-0.03034	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07047	12	
JEFFREY ENERGY CENTER 345KV	42	-0.03034	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07047	12	
LAWRENCE ENERGY CENTER 230KV	35,05243	-0.03145	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07465	12	
LAWRENCE ENERGY CENTER 230KV	35,05243	-0.03145	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07474	12	
LAWRENCE ENERGY CENTER 230KV	35,05243	-0.03145	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.07158	12	
LAWRENCE ENERGY CENTER 230KV	35,05243	-0.03145	OWPA	OWPA-PONCA CITY 69KV	106,8736	0.04013	-0.07158	12	
LAWRENCE ENERGY CENTER 230KV	35,05243	-0.03145	SWPA	WEBBERS FALLS 161KV	39,54554	0.03827	-0.06972	12	
OKGE	MUSKOGEE 345KV	17	0.04329	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07167	12
OWPA	OWPA-KAW 69KV	10	0.04013	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07167	12
OWPA	OWPA-PONCA CITY 69KV	85,55328	0.04013	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07167	12
WERE	SOUTH SENECA 115KV	8.2	-0.02807	GRDA	BOOMER 69KV	24	0.04383	-0.0719	12
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	MUSKOGEE 161KV	166	0.0432	-0.07127	12
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.07136	12
WERE	TECUMSEH ENERGY CENTER 115KV								

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

WERE	WACO 138KV	30	-0.03104	OWPA	OWPA-PONCA CITY 69KV	106.8736	0.04013	-0.07117	12
WERE	WACO 138KV	30	-0.03104	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06931	12
AEPW	WELLESKA 138KV	163	0.04013	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.07483	12
WERE	WILENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06537	13
WERE	WILENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06537	13
WERE	WILENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06734	13
EMDE	ASBURY 161KV	20	-0.02936	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06566	13
EMDE	ASBURY 161KV	20	-0.02936	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06566	13
EMDE	ASBURY 161KV	20	-0.02936	GRDA	PENSACOLA 161KV	33	0.03464	-0.064	13
EMDE	ASBURY 161KV	20	-0.02936	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06763	13
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06539	13
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06539	13
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0276	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.06773	13
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0276	OWPA	OWPA-PONCA CITY 69KV	106.8736	0.04013	-0.06773	13
WERE	BFU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06587	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	AES 161KV	320	0.028	-0.06775	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.0679	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	WFEC	ANADARKO 69KV	76	0.02821	-0.06796	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.06492	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.06619	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	COMANCHE 138KV	145	0.02734	-0.06709	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	COMANCHE 69KV	60	0.0275	-0.06725	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	ELLIS 69KV	6.6	0.0286	-0.06835	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	FITZHIGH 161KV	109	0.02436	-0.06411	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	FRLWIND 34KV	8	0.02634	-0.06609	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	HUGO 138KV	450	0.02659	-0.06634	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	WFEC	MORLND 138KV	320	0.02634	-0.06609	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	OZARK 161KV	161.0403	0.02435	-0.0641	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	OKGE	SOONER 345KV	537	0.02681	-0.06656	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.06679	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.06759	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	WEATHERFORD 34KV	12	0.02594	-0.06569	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	AES 161KV	320	0.028	-0.06679	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.06694	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	WFEC	ANADARKO 69KV	76	0.02821	-0.067	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.06396	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.06523	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	COMANCHE 138KV	145	0.02734	-0.06613	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	COMANCHE 69KV	60	0.0275	-0.06628	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	ELLIS 69KV	6.6	0.0286	-0.06739	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06873	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	FRLWIND 34KV	8	0.02634	-0.06513	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	WFEC	HUGO 138KV	450	0.02659	-0.06538	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	WFEC	MORLND 138KV	320	0.02634	-0.06513	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SOONER 345KV	537	0.02681	-0.0656	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.06663	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.06663	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.05843	13
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	WEATHERFORD 34KV	12	0.02594	-0.06473	13
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00881	-0.065	13
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.06561	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06492	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06564	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	GRDA	PENSACOLA 161KV	33	0.03464	-0.06729	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	REDDUB 345KV	150	0.03371	-0.06636	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SEMINOLE 138KV	345.6662	0.03147	-0.06412	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SOONER 138KV	536	0.0334	-0.065	13
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06386	13
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	KEYSTONE DAM 161KV	152.202	0.06598	-0.06579	13
SWPA	CLARENCE CANNON DAM 69KV	27.30999	-0.00881	AEPW	NORTHEASTERN STATION 345KV	625	0.06594	-0.06575	13
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	COGENTRIX 345KV	965	0.06551	-0.06681	13
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	GRDA1 161KV	125.9606	0.04991	-0.06621	13
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	KERR 161KV	13.5	0.04813	-0.06443	13
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	AEPW	OEC 345KV	369	0.05177	-0.06807	13
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	SALINA 161KV	37.61398	0.04813	-0.06443	13
SWPA	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06579	13
SWPA	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	GRDA	EUFALLA 161KV	70.60814	0.0363	-0.06579	13
SWPA	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	PENSACOLA 161KV	33	0.03464	-0.06413	13
SWPA	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06776	13
AEPW	COGENTRIX 345KV	179	0.06551	SWPA	NORTHEASTERN STATION 138KV	39.54854	0.03827	-0.06745	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06584	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06684	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	GRDA	PENSACOLA 161KV	33	0.03464	-0.06518	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	REDDUB 345KV	150	0.03371	-0.06425	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	SOONER 138KV	536	0.0334	-0.06540	13
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06881	13
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06624	13
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06624	13
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	GRDA	HORSESHOE LAKE 161KV	33	0.03464	-0.06492	13
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.06821	13
WERE	GETTY 69KV	35	-0.04699	AEPW	NARROWS 69KV	22	0.01992	-0.06691	13
WERE	GETTY 69KV	35	-0.04699	AEPW	WELSH 345KV	1044	0.01807	-0.06506	13
WERE	GETTY 69KV	35	-0.04699	AEPW	WILKES 138KV	421.735	0.0171	-0.06403	13
WERE	GETTY 69KV	35	-0.04699	AEPW	WILKES 345KV	421.735	0.01689	-0.06388	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06747	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06747	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06416	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	GRDA	PENSACOLA 161KV	33	0.03464	-0.06581	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	REDDUB 345KV	150	0.03371	-0.06488	13
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SOONER 138KV	535	0.03347	-0.06464	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06715	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06715	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06492	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	GRDA	PENSACOLA 161KV	33	0.03464	-0.06549	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	REDDUB 345KV	150	0.03371	-0.06456	13
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SOONER 138KV	535	0.03347	-0.06432	13
GRDA	KERR 161KV	64.01944	0.04699	AEPW	NORTHEASTERN STATION 138KV	488	0.11496	-0.06568	13
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06591	13
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06591	13
WERE	HOLTON 115KV	7.6	-0.02961	GRDA	PENSACOLA 161KV	33	0.03464	-0.06425	13
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.06741	13
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OWPA	OWPA-PONCA CITY 69KV	106.8736	0.04013	-0.06741	13
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA					

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

WERE	SOUTH SENECA 115KV	8.2	-0.02807	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.0682	13
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.0682	13
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	WEBBERS FALLS 161KV	39.5454	0.0382	-0.0634	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06745	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06745	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06414	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	GRDA	PENSACOLA 161KV	33	0.03464	-0.06579	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	REDBUD 345KV	150	0.03371	-0.06468	13
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SOONER 138KV	535	0.03347	-0.06462	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.0674	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.0674	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06403	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	GRDA	PENSACOLA 161KV	33	0.03464	-0.06574	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	REDBUD 345KV	150	0.03371	-0.06481	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SOONER 138KV	535	0.03347	-0.06457	13
SWPA	TRUMAN 161KV	76.53462	-0.02217	GRDA	BOOMER 69KV	24	0.04383	-0.066	13
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	MUSKOGEE 161KV	166	0.0432	-0.06537	13
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.06546	13
WERE	WACO 138KV	30	-0.03104	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.06734	13
WERE	WACO 138KV	30	-0.03104	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.06734	13
WERE	WACO 138KV	30	-0.03104	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06403	13
WERE	WACO 138KV	30	-0.03104	GRDA	PENSACOLA 161KV	33	0.03464	-0.06568	13
WERE	WACO 138KV	30	-0.03104	OKGE	REDBUD 345KV	150	0.03371	-0.06475	13
WERE	WACO 138KV	30	-0.03104	OKGE	SOONER 138KV	535	0.03347	-0.06451	13
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06134	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06206	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	MCCLAIN 138KV	470	0.03051	-0.05958	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	MUSTANG 138KV	351	0.03046	-0.05953	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05954	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	GRDA	REDBUD 161KV	150	0.03371	-0.06371	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	REDBUD 345KV	150	0.03371	-0.06278	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05962	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06054	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06023	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	SMITH COGEN 138KV	107	0.03056	-0.05963	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	SOONER 138KV	535	0.03347	-0.06254	14
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.02907	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06028	14
EMDE	ASBURY 161KV	20	-0.02936	SWPA	DENISON 138KV	60.32151	0.03017	-0.05953	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06163	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06235	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	MCCLAIN 138KV	470	0.03051	-0.05987	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	MUSTANG 138KV	351	0.03046	-0.05982	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05983	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	REDBUD 345KV	150	0.03371	-0.06207	14
EMDE	ASBURY 161KV	20	-0.02936	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05991	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06083	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06052	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SMITH COGEN 138KV	107	0.03056	-0.05962	14
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SOONER 138KV	535	0.03347	-0.06283	14
EMDE	ASBURY 161KV	20	-0.02936	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06057	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.05987	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06059	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	PENSACOLA 161KV	33	0.03464	-0.06224	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	REDBUD 345KV	150	0.03371	-0.06131	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SOONER 138KV	535	0.03347	-0.06107	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	NARROWS 69KV	22	0.01992	-0.05967	14
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	FITZJUGG 161KV	169	0.02436	-0.06315	14
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	OZARK 161KV	151.403	0.02435	-0.06315	14
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	CARTHAGE 69KV	32	-0.1183	-0.06198	14
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	LARUSSELL 161KV	190	-0.11447	-0.06234	14
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	RIVERTON 161KV	190	-0.11118	-0.06263	14
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	STATE LINE 161KV	603.2756	-0.01015	-0.06266	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	AES 161KV	320	0.028	-0.06065	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.0608	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	WFEC	ANADARKO 69KV	76	0.02821	-0.06086	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	COMANCHE 138KV	145	0.02734	-0.05999	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	COMANCHE 69KV	10	0.027	-0.06015	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	DENISON 138KV	60.32151	0.03017	-0.06282	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	ELLIS 69KV	6.6	0.0286	-0.06125	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06259	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	MCCLAIN 138KV	470	0.03051	-0.06131	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	MUSTANG 138KV	351	0.03046	-0.06131	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06312	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.0632	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SEMINOLE 138KV	1019	0.03116	-0.06381	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06321	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SOONER 345KV	537	0.02681	-0.05946	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.06049	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	SOUTHWESTERN STATION 345KV	1046	0.02784	-0.06049	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SPGCK182 13 200 345KV	78	0.02964	-0.06229	14
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	OKGE	SPGCK384 13 200 345KV	11.89999	0.02964	-0.06229	14
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEPW	DEC 345KV	369	0.05177	-0.06058	14
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.06293	14
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	BOOMER 69KV	24	0.04383	-0.06013	14
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	GRD11 345KV	220	0.04687	-0.06327	14
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	KERR 115KV	13.5	0.047	-0.0633	14
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	MUSKOGEE 161KV	166	0.0432	-0.06595	14
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.06599	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	DENISON 138KV	60.32151	0.03017	-0.05966	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05943	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06176	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06248	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	MCCLAIN 138KV	470	0.03051	-0.06	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	MUSTANG 138KV	351	0.03046	-0.06095	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05996	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	REDBUD 345KV	150	0.03371	-0.0632	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06004	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06096	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06065	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06005	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	OKGE	SOONER 138KV	535	0.03347	-0.06296	14
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.0607	14
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	DENISON 138KV	60.32151</			

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

WERE	GETTY 69KV	35	-0.04699	SPS	HOBBS TL31 18.000 230KV	202	0.13533	-0.06052	14
WERE	GETTY 69KV	35	-0.04699	SPS	JONES 230KV	486	0.01458	-0.06157	14
WERE	GETTY 69KV	35	-0.04699	AEPW	KNOXLES 138KV	294	0.01653	-0.06262	14
WERE	GETTY 69KV	35	-0.04699	AEPW	LEBROCK 345KV	165	0.01658	-0.06357	14
WERE	GETTY 69KV	35	-0.04699	AEPW	LIEBERMAN 138KV	156	0.01571	-0.0627	14
WERE	GETTY 69KV	35	-0.04699	SPS	LP-BRND2 69KV	20	0.01463	-0.06162	14
WERE	GETTY 69KV	35	-0.04699	SPS	LP-MAC2 138KV	60	0.01462	-0.06161	14
WERE	GETTY 69KV	35	-0.04699	SPS	LP-MACX 115KV	118	0.01350	-0.06053	14
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 115KV	300	0.0136	-0.06059	14
WERE	GETTY 69KV	35	-0.04699	SPS	MUSTANG 230KV	460	0.01355	-0.06054	14
WERE	GETTY 69KV	35	-0.04699	AEPW	PIRREY GENERATION 138KV	243	0.01657	-0.06356	14
WERE	GETTY 69KV	35	-0.04699	SPS	PLANTX 115KV	205	0.01293	-0.05992	14
WERE	GETTY 69KV	35	-0.04699	SPS	PLANTX 230KV	189	0.01281	-0.0598	14
WERE	GETTY 69KV	35	-0.04699	SPS	SAN JUAN 230KV	120	0.01308	-0.06007	14
WERE	GETTY 69KV	35	-0.04699	SPS	TOLK 230KV	1014.794	0.01304	-0.06003	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	DENISON 138KV	60.32151	0.03017	-0.06134	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	ELLIS 69KV	6.6	0.0286	-0.05977	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06111	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06344	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	MCCLAIN 138KV	470	0.03051	-0.06168	14
WERE	GILL ENERGY CENTER 69KV	84.99999	-0.03117	OKGE	MUSTANG 138KV	351	0.03046	-0.06163	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06164	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06172	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06264	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06233	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06173	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06081	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06081	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06238	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	DENISON 138KV	60.32151	0.03017	-0.06102	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	ELLIS 69KV	6.6	0.0286	-0.05945	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06079	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06312	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	MCCLAIN 138KV	470	0.03051	-0.06136	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	MUSTANG 138KV	351	0.03046	-0.06131	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06132	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.0614	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06232	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06201	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06141	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06049	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06049	14
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06206	14
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	DENISON 138KV	60.32151	0.03017	-0.05978	14
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05955	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06188	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.0626	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	MCCLAIN 138KV	470	0.03051	-0.06102	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	MUSTANG 138KV	351	0.03046	-0.06077	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06008	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	REDBUD 345KV	150	0.03371	-0.06332	14
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06016	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06109	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06077	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06017	14
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SOONER 138KV	535	0.03347	-0.06308	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06082	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	EUFULLA 138KV	51.7327	0.0363	-0.06328	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	EUFULLA 161KV	70.60814	0.0363	-0.06358	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06255	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06097	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	PENSAOLA 161KV	33	0.03464	-0.06102	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	REDBUD 345KV	150	0.03371	-0.06099	14
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SOONER 138KV	535	0.03347	-0.06075	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	EUFULLA 138KV	51.7327	0.0363	-0.06357	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	EUFULLA 161KV	70.60814	0.0363	-0.06357	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06254	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06026	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	GRDA	PENSAOLA 161KV	33	0.03464	-0.06191	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	REDBUD 345KV	150	0.03371	-0.06098	14
WERE	HUTCHINSON ENERGY CENTER 230KV	52	-0.02727	OKGE	DENISON 138KV	60.32151	0.03017	-0.06074	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	DENISON 138KV	60.32151	0.03017	-0.06054	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06031	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06264	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06336	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	MCCLAIN 138KV	470	0.03051	-0.06289	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	MUSTANG 138KV	351	0.03046	-0.06083	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06084	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06092	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06218	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06153	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06093	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06001	14
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06001	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06158	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	DENISON 138KV	60.32151	0.03017	-0.06051	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06028	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06261	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	HORSESHOE LAKE 69KV	16	0.03299	-0.06333	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	MCCLAIN 138KV	470	0.03051	-0.06085	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	MUSTANG 138KV	351	0.03046	-0.0608	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06081	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06089	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06218	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SEMINOLE 345KV	1019	0.03116	-0.0615	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SMITH COGEN 138KV	107	0.03056	-0.0609	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SOONER 138KV	535	0.03347	-0.06381	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.05998	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.05998	14
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06155	14
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	COGENTRIX 345KV	965	0.06051	-0.06198	14
EMDE	LARUSSEL 161KV	196	-0.01147	AEPW	GRDA1 161KV	125.9806	0.04991	-0.06138	14
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	KERR 161KV	13.5	0.0481		

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

WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	ELLIS 69KV	6.6	0.0286	-0.0575	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06109	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06342	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	MCCLAIN 138KV	470	0.03051	-0.06166	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	MUSTANG 138KV	351	0.03046	-0.06161	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06162	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06171	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06202	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06231	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06171	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06079	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06084	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06236	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	DENISON 138KV	60.32151	0.03017	-0.06127	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	ELLIS 69KV	6.6	0.0286	-0.05974	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06104	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06337	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	MCCLAIN 138KV	470	0.03051	-0.06161	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	MUSTANG 138KV	351	0.03046	-0.06156	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06157	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06165	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06257	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06226	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06166	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06074	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06084	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06231	14
SWPA	TRUMAN 161KV	76.53462	-0.02217	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.06234	14
SWPA	TRUMAN 161KV	76.53462	-0.02217	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.06234	14
SWPA	TRUMAN 161KV	76.53462	-0.02217	OMPA	WEBBERS FALLS 161KV	39.54653	0.02994	-0.06044	14
AEPW	TULSA POWER STATION 69KV	80	0.05412	AEPW	NORTHEASTERN STATION 138KV	488	0.11486	-0.06084	14
WERE	WACO 138KV	30	-0.03104	SWPA	DENISON 138KV	60.32151	0.03017	-0.06121	14
WERE	WACO 138KV	30	-0.03104	AEPW	ELLIS 69KV	6.6	0.0286	-0.05964	14
WERE	WACO 138KV	30	-0.03104	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06098	14
WERE	WACO 138KV	30	-0.03104	OKGE	HORSESHOE LAKE 138KV	796	0.03227	-0.06331	14
WERE	WACO 138KV	30	-0.03104	OKGE	MCCLAIN 138KV	470	0.03051	-0.06155	14
WERE	WACO 138KV	30	-0.03104	OKGE	MUSTANG 138KV	351	0.03046	-0.06155	14
WERE	WACO 138KV	30	-0.03104	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.06151	14
WERE	WACO 138KV	30	-0.03104	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.06158	14
WERE	WACO 138KV	30	-0.03104	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.06251	14
WERE	WACO 138KV	30	-0.03104	OKGE	SEMINOLE 345KV	1019	0.03116	-0.06224	14
WERE	WACO 138KV	30	-0.03104	OKGE	SMITH COGEN 138KV	107	0.03056	-0.06166	14
WERE	WACO 138KV	30	-0.03104	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.06068	14
WERE	WACO 138KV	30	-0.03104	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.06068	14
WERE	WACO 138KV	30	-0.03104	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.06225	14
WERE	WACO 138KV	30	-0.03104	AEPW	AES 161KV	320	0.028	-0.05707	15
WERE	WACO 138KV	30	-0.03104	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05722	15
WERE	WACO 138KV	30	-0.03104	WFEC	ANADARKO 69KV	76	0.02815	-0.05728	15
WERE	WACO 138KV	30	-0.03104	AEPW	COMANCHE 138KV	145	0.02734	-0.05841	15
WERE	WACO 138KV	30	-0.03104	AEPW	COMANCHE 69KV	60	0.0275	-0.05657	15
WERE	WACO 138KV	30	-0.03104	SWPA	DENISON 138KV	60.32151	0.03017	-0.05924	15
WERE	WACO 138KV	30	-0.03104	AEPW	ELLIS 69KV	6.6	0.0286	-0.05767	15
WERE	WACO 138KV	30	-0.03104	AEPW	FLINT CREEK 161KV	400	0.02994	-0.06081	15
WERE	WACO 138KV	30	-0.03104	WFEC	HUGO 138KV	450	0.02659	-0.05566	15
WERE	WACO 138KV	30	-0.03104	OKGE	SOONER 345KV	537	0.02681	-0.05588	15
WERE	WACO 138KV	30	-0.03104	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05691	15
WERE	WACO 138KV	30	-0.03104	WFEC	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05691	15
WERE	WACO 138KV	30	-0.03104	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.05871	15
WERE	WACO 138KV	30	-0.03104	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.05871	15
WERE	WACO 138KV	30	-0.03104	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05736	15
EMDE	ASBURY 161KV	20	-0.02936	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05751	15
EMDE	ASBURY 161KV	20	-0.02936	WFEC	ANADARKO 69KV	76	0.02815	-0.05751	15
EMDE	ASBURY 161KV	20	-0.02936	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05558	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	COMANCHE 138KV	145	0.02734	-0.0567	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	COMANCHE 69KV	60	0.0275	-0.05686	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	ELLIS 69KV	6.6	0.0286	-0.05796	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05796	15
EMDE	ASBURY 161KV	20	-0.02936	OKGE	FPLWIND2 34KV	8	0.02634	-0.0557	15
EMDE	ASBURY 161KV	20	-0.02936	WFEC	HUGO 138KV	450	0.02659	-0.05595	15
EMDE	ASBURY 161KV	20	-0.02936	WFEC	MORLIND 138KV	320	0.02634	-0.0557	15
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SOONER 345KV	537	0.02681	-0.05617	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.057	15
EMDE	ASBURY 161KV	20	-0.02936	AEPW	SPGCK182 13.200 345KV	1046	0.02784	-0.0572	15
EMDE	ASBURY 161KV	20	-0.02936	OKGE	SPGCK384 13.200 345KV	78	0.02964	-0.059	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	AES 161KV	11.89999	0.02964	-0.059	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	WFEC	ANADARKO 69KV	345.7891	0.02815	-0.0575	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	WFEC	ANADARKO 138KV	76	0.02821	-0.05581	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	DENISON 138KV	60.32151	0.03017	-0.05777	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	ELLIS 69KV	6.6	0.0286	-0.0582	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05754	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05754	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	MCCLAIN 138KV	470	0.03051	-0.05811	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	MUSTANG 138KV	351	0.03046	-0.05806	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05807	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05815	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.05907	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SEMINOLE 345KV	1019	0.03116	-0.05876	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SMITH COGEN 138KV	107	0.03056	-0.05816	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.05724	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.05724	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05881	15
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.05778	15
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05774	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	EASTMAN 138KV	105	0.01653	-0.05438	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	KNOXLE 138KV	284	0.01653	-0.05628	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	LIBROCK 345KV	105	0.01658	-0.05633	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.05632	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	WELSH 345KV	104	0.01807	-0.05682	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	WILKES 138KV	421.735	0.0171	-0.05685	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	AEPW	WILKES 345KV	308	0.01689	-0.05664	15
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	NARROWS 69KV	22	0.01992	-0.05871	15
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	WELSH 345KV	104	0.01807	-0.05686	15
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEPW	WILKES 138KV	421.735	0.0171	-0.05689	15</

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

WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC	ANADARKO 69KV	76	0.02821	-0.05875	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05971	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05688	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	COMANCHE 138KV	145	0.02734	-0.05788	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	COMANCHE 69KV	60	0.0275	-0.05804	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	ELLIS 69KV	6.6	0.0286	-0.05914	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	FRLWIND2 34KV	8	0.02634	-0.05688	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC	HUGO 138KV	450	0.02659	-0.05696	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	WFEC	MORLND 138KV	320	0.02634	-0.05688	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	OKGE	SOONER 345KV	537	0.02681	-0.05735	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05938	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05938	15
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05648	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	AES 161KV	320	0.028	-0.05794	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05809	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	ANADARKO 69KV	76	0.02821	-0.05915	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05688	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	COMANCHE 138KV	145	0.02734	-0.05728	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	COMANCHE 69KV	60	0.0275	-0.05744	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	ELLIS 69KV	6.6	0.0286	-0.05854	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	FRLWIND2 34KV	8	0.02634	-0.05628	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	HUGO 138KV	450	0.02659	-0.05638	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	WFEC	MORLND 138KV	320	0.02634	-0.05628	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	OKGE	SOONER 345KV	537	0.02681	-0.05675	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05778	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05778	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05688	15
WERE	GETTY 69KV	35	-0.04699	SWPA	BEAVER 161KV	145.4916	0.01191	-0.0589	15
WERE	GETTY 69KV	35	-0.04699	SPS	BLACKHAWK 115KV	220	0.01015	-0.05714	15
WERE	GETTY 69KV	35	-0.04699	SPS	C2 69KV	39	0.01158	-0.05855	15
WERE	GETTY 69KV	35	-0.04699	CELE	EVANGELINE 230KV	194	0.00862	-0.05561	15
WERE	GETTY 69KV	35	-0.04699	SPS	HANSFORD 115KV	80	0.00998	-0.05697	15
WERE	GETTY 69KV	35	-0.04699	SPS	HARRINGTON 230KV	1066	0.00996	-0.05695	15
WERE	GETTY 69KV	35	-0.04699	SPS	HUBRCO2 10KV	11	0.01016	-0.05715	15
WERE	GETTY 69KV	35	-0.04699	SPS	NICHOLS 115KV	111.9056	0.00996	-0.05735	15
WERE	GETTY 69KV	35	-0.04699	CELE	RODEMACHER 230KV	891	0.00943	-0.05642	15
WERE	GETTY 69KV	35	-0.04699	SPS	SIDRCH 69KV	20	0.01016	-0.05715	15
WERE	GETTY 69KV	35	-0.04699	SPS	SPEARMAN 69KV	10	0.01002	-0.05701	15
WERE	GETTY 69KV	35	-0.04699	SPS	STEER WATER 115KV	80	0.01094	-0.05793	15
WERE	GETTY 69KV	35	-0.04699	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.05692	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	AES 161KV	320	0.028	-0.05917	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05932	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	ANADARKO 69KV	76	0.02821	-0.05938	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05834	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05761	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	COMANCHE 138KV	145	0.02734	-0.05851	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	COMANCHE 69KV	60	0.0275	-0.05867	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	FRLWIND2 34KV	8	0.02634	-0.05775	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	HUGO 138KV	450	0.02659	-0.05776	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	WFEC	MORLND 138KV	320	0.02634	-0.05751	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	OKGE	SOONER 345KV	537	0.02681	-0.05798	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05901	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05901	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05711	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	AES 161KV	320	0.028	-0.05885	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.059	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	WFEC	ANADARKO 69KV	76	0.02821	-0.05906	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05834	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05729	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	COMANCHE 138KV	145	0.02734	-0.05819	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	COMANCHE 69KV	60	0.0275	-0.05835	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	FRLWIND2 34KV	8	0.02634	-0.05735	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	WFEC	HUGO 138KV	450	0.02659	-0.05744	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	WFEC	MORLND 138KV	320	0.02634	-0.05719	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	OKGE	SOONER 345KV	537	0.02681	-0.05766	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05869	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05869	15
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05679	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	AES 161KV	320	0.028	-0.05761	15
WERE	HOLTON 115KV	7.6	-0.02961	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05776	15
WERE	HOLTON 115KV	7.6	-0.02961	WFEC	ANADARKO 69KV	76	0.02821	-0.05782	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05605	15
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	COMANCHE 138KV	145	0.02734	-0.05695	15
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	COMANCHE 69KV	60	0.0275	-0.05711	15
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	ELLIS 69KV	6.6	0.0286	-0.05821	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	FRLWIND2 34KV	8	0.02634	-0.05696	15
WERE	HOLTON 115KV	7.6	-0.02961	WFEC	HUGO 138KV	450	0.02659	-0.05662	15
WERE	HOLTON 115KV	7.6	-0.02961	WFEC	MORLND 138KV	320	0.02634	-0.05642	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SOONER 345KV	537	0.02681	-0.05695	15
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05745	15
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05745	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SPGK182 13.200 345KV	78	0.02964	-0.05925	15
WERE	HOLTON 115KV	7.6	-0.02961	OKGE	SPGK384 13.200 345KV	11.89999	0.02964	-0.05925	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	DENISON 138KV	60.32151	0.03017	-0.05745	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	ELLIS 69KV	6.6	0.0286	-0.05821	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05722	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	MCCLAIN 138KV	470	0.03051	-0.05779	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	MUSTANG 138KV	351	0.03046	-0.05774	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05775	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05783	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.05875	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SEMINOLE 345KV	1019	0.03116	-0.05844	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SMITH COGEN 138KV	107	0.03056	-0.05784	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SPGK182 13.200 345KV	78	0.02964	-0.05692	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SPGK384 13.200 345KV	11.89999	0.02964	-0.05692	15
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.05848	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	DENISON 138KV	60.32151	0.03017	-0.05744	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	ELLIS 69KV	6.6	0.0286	-0.05867	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05721	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	MCCLAIN 138KV	470	0.03051	-0.05778	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	MUSTANG 138KV	351	0.03046	-0.05773	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05774	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05782	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	SEMINOLE 138KV	345.6682	0.03147	-0.05874	15
WERE									

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

SWPA	JONESBORO 161KV	12.5	0.00131	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05663	15
SWPA	KENNETT 69KV	29	-0.00106	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.05804	15
SWPA	KENNETT 69KV	29	-0.00106	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05663	15
SWPA	KEYSTONE DAM 161KV	47.99804	0.05698	AEPW	NORTHEASTERN STATION 345KV	488	0.11496	-0.05798	15
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	GRDA1 345KV	220	0.04697	-0.05844	15
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	KERR 116KV	13.5	0.047	-0.05847	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05662	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05748	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	COMANCHE 138KV	145	0.02734	-0.05879	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	COMANCHE 69KV	60	0.0275	-0.05895	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	FITZHUGH 161KV	109	0.02436	-0.05581	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	OKGE	FPLWIND2 34KV	8	0.02634	-0.05779	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	WFEC	HUGO 138KV	450	0.02659	-0.05804	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	WFEC	MORLND 138KV	320	0.02634	-0.05779	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	OZARK 161KV	151.403	0.02435	-0.05658	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	OKGE	SOONER 345KV	537	0.02681	-0.05626	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05929	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05929	15
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05739	15
SWPA	MALDEN 69KV	10	-0.00192	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.0589	15
SWPA	MALDEN 69KV	10	-0.00192	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05896	15
AEPW	NORTHEASTERN STATION 345KV	19.99997	0.05694	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.05604	15
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	NORTHEASTERN STATION 345KV	488	0.11496	-0.05802	15
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.05668	15
SWPA	PARGOIT 69KV	7.5	-0.00137	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05664	15
SWPA	PARGOIT 69KV	7.5	-0.00137	SWPA	KEYSTONE DAM 161KV	152.202	0.05694	-0.05633	15
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05831	15
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	TULSA POWER STATION 138KV	299	0.05412	-0.05777	15
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	GRDA1 345KV	220	0.04697	-0.05815	15
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	KERR 116KV	13.5	0.047	-0.05818	15
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	KERR 161KV	13.5	0.04813	-0.05931	15
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	SALINA 161KV	37.61368	0.04813	-0.05931	15
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	COGENTRIX 345KV	965	0.05051	-0.05871	15
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	GRDA1 345KV	125.9606	0.04991	-0.05811	15
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	KERR 161KV	13.5	0.04813	-0.05833	15
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	SALINA 161KV	37.61368	0.04813	-0.05833	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	AES 161KV	320	0.028	-0.05607	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05627	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	WFEC	ANADARKO 69KV	76	0.02821	-0.05628	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	DENISON 138KV	60.32151	0.03017	-0.05824	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	ELLIS 69KV	6.6	0.0286	-0.05667	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05801	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	MUCLAIN 138KV	470	0.03051	-0.05898	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	MUSTANG 138KV	81	0.03046	-0.05863	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.05854	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.05862	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	SEMINOLE 345KV	1019	0.03116	-0.05923	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	SMITH COGEN 138KV	107	0.03080	-0.05925	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05991	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05991	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.05771	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.05771	15
WERE	SOUTH SENECA 115KV	8.2	-0.02807	OKGE	TONTITOWN 161KV	163.8579	0.03121	-0.05828	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	AES 161KV	320	0.028	-0.05915	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05925	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	WFEC	ANADARKO 69KV	76	0.02821	-0.05936	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05632	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05748	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	COMANCHE 138KV	145	0.02734	-0.05849	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	COMANCHE 69KV	60	0.0275	-0.05865	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	FPLWIND2 34KV	8	0.02634	-0.05749	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	HUGO 138KV	450	0.02659	-0.05774	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	WFEC	MORLND 138KV	320	0.02634	-0.05749	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	OKGE	SOONER 345KV	537	0.02681	-0.05796	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05899	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05899	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05708	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	AES 161KV	320	0.028	-0.05991	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05925	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC	ANADARKO 69KV	76	0.02821	-0.05931	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05627	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05748	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	COMANCHE 138KV	145	0.02734	-0.05844	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	COMANCHE 69KV	60	0.0275	-0.0586	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	FPLWIND2 34KV	8	0.02634	-0.05744	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	HUGO 138KV	450	0.02659	-0.05769	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	WFEC	MORLND 138KV	320	0.02634	-0.05744	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	OKGE	SOONER 345KV	537	0.02681	-0.05791	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05894	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05894	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05704	15
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.05847	15
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.05847	15
SWPA	TRUMAN 161KV	76.53462	-0.02217	GRDA	PENSACOLA 161KV	33	0.03464	-0.05981	15
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	RIVERTON 345KV	150	0.03371	-0.05588	15
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	SOONER 138KV	535	0.03347	-0.05564	15
WERE	WACO 138KV	30	-0.03104	OKGE	AES 161KV	320	0.028	-0.05904	15
WERE	WACO 138KV	30	-0.03104	WFEC	ANADARKO 138KV	345.7991	0.02815	-0.05919	15
WERE	WACO 138KV	30	-0.03104	WFEC	ANADARKO 69KV	76	0.02821	-0.05925	15
WERE	WACO 138KV	30	-0.03104	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05621	15
WERE	WACO 138KV	30	-0.03104	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05748	15
WERE	WACO 138KV	30	-0.03104	AEPW	COMANCHE 138KV	145	0.02734	-0.05838	15
WERE	WACO 138KV	30	-0.03104	AEPW	COMANCHE 69KV	60	0.0275	-0.05854	15
WERE	WACO 138KV	30	-0.03104	OKGE	FPLWIND2 34KV	8	0.02634	-0.05748	15
WERE	WACO 138KV	30	-0.03104	WFEC	HUGO 138KV	450	0.02659	-0.05763	15
WERE	WACO 138KV	30	-0.03104	WFEC	MORLND 138KV	320	0.02634	-0.05738	15
WERE	WACO 138KV	30	-0.03104	OKGE	SOONER 345KV	537	0.02681	-0.05785	15
WERE	WACO 138KV	30	-0.03104	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05888	15
WERE	WACO 138KV	30	-0.03104	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05888	15
WERE	WACO 138KV	30	-0.03104	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05704	15
WERE	WACO 138KV	30	-0.03104	AEPW	WEATHERFORD 34KV	12	0.02594	-0.05698	15
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05424	16
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.02907	OKGE	CENTENIAL WIND 34KV	16	0.02644	-0.05523	16
WERE	ABILENE ENERGY CENTER 115KV	5.999996							

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

WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	PLANTX 230KV	189	0.01281	-0.05256	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	SAN JUAN 230KV	120	0.01308	-0.05283	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	TOLK 230KV	1014.794	0.01304	-0.05273	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	CUNNINGHAM 115KV	110	0.01354	-0.05233	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	CUNNINGHAM 230KV	306	0.01351	-0.0523	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	CELE	DOLET HILLS 345KV	370	0.01429	-0.05308	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEWP	EASTMAN 138KV	155	0.01663	-0.05542	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	HOBBS PLT1 18.000 115KV	10299	0.01352	-0.05233	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.05232	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	JONES 230KV	486	0.01458	-0.05337	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEWP	KNOXLEE 138KV	294	0.01653	-0.05532	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEWP	LEBROOK 161KV	165	0.01658	-0.05563	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEWP	LIEBERMAN 138KV	156	0.01571	-0.0545	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	LP-BRND2 69KV	20	0.01463	-0.05342	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	LP-MACK2 69KV	60	0.01462	-0.05341	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	MADOX 115KV	118	0.01354	-0.05233	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	MUSTANG 115KV	300	0.0136	-0.05239	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	MUSTANG 230KV	460	0.01355	-0.05234	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.05536	16
WERE	CITY OF MULVANE 69KV	7.5	-0.0265	AEWP	NARROWS 69KV	22	0.01992	-0.05257	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.0381	GRDA	BOOMER 69KV	24	0.04383	-0.05264	16
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.0526	16
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.0526	16
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.05457	16
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05486	16
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEWP	FITZHUGH 161KV	109	0.02436	-0.05489	16
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	OZARK 161KV	151.403	0.02435	-0.05484	16
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEWP	WEATHERFORD 34KV	12	0.02594	-0.0543	16
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	FITZHUGH 161KV	109	0.02436	-0.05489	16
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	OZARK 161KV	151.403	0.02435	-0.05489	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05511	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEWP	FITZHUGH 161KV	109	0.02436	-0.0543	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	OZARK 161KV	151.403	0.02435	-0.05429	16
WERE	GETTY 69KV	35	-0.04699	LEPA	BAYOU RAMOS 138KV	39.01513	0.02714	-0.05413	16
WERE	GETTY 69KV	35	-0.04699	LEPA	CITY OF HOLMA SUB 115KV	84	0.0049	-0.05348	16
WERE	GETTY 69KV	35	-0.04699	CELE	EVANGELINE 138KV	155	0.00854	-0.05553	16
WERE	GETTY 69KV	35	-0.04699	SWPA	GREERS FERRY 161KV	94.67681	0.02436	-0.05445	16
WERE	GETTY 69KV	35	-0.04699	LEPA	IRON SUB 230KV	25	0.02648	-0.05347	16
WERE	GETTY 69KV	35	-0.04699	CELE	TECHE 138KV	276.1713	0.02758	-0.05457	16
WERE	GETTY 69KV	35	-0.04699	LEPA	WATERLOO SUB 230KV	6	0.00651	-0.0535	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	FITZHUGH 161KV	109	0.02436	-0.05553	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	OZARK 161KV	151.403	0.02435	-0.05521	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	FITZHUGH 161KV	109	0.02436	-0.05522	16
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	OZARK 161KV	151.403	0.02435	-0.05455	16
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	OZARK 161KV	151.403	0.02435	-0.05455	16
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05478	16
WERE	HOLTON 115KV	7.6	-0.02961	AEWP	FITZHUGH 161KV	109	0.02436	-0.05397	16
WERE	HOLTON 115KV	7.6	-0.02961	SWPA	OZARK 161KV	151.403	0.02435	-0.05396	16
WERE	HOLTON 115KV	7.6	-0.02961	AEWP	WEATHERFORD 34KV	12	0.02594	-0.05455	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	AES 161KV	320	0.028	-0.05528	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05543	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC	ANADARKO 69KV	76	0.02821	-0.05549	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05245	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	CENTRAL WIND 34KV	16	0.02734	-0.05472	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEWP	COMANCHE 138KV	145	0.02734	-0.05462	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEWP	COMANCHE 69KV	60	0.0275	-0.05478	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	FRLWND2 34KV	8	0.02634	-0.05362	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC	HUGO 138KV	450	0.02659	-0.05387	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	WFEC	MORLND 138KV	320	0.02634	-0.05362	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	OKGE	SOONER 345KV	537	0.02681	-0.05409	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEWP	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05512	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEWP	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05512	16
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEWP	WEATHERFORD 34KV	12	0.02594	-0.05432	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	AES 161KV	320	0.028	-0.05527	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05542	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC	ANADARKO 69KV	76	0.02821	-0.05548	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05244	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	CENTRAL WIND 34KV	16	0.02734	-0.05471	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEWP	COMANCHE 138KV	145	0.02734	-0.05461	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEWP	COMANCHE 69KV	60	0.0275	-0.05477	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	FRLWND2 34KV	8	0.02634	-0.05361	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC	HUGO 138KV	450	0.02659	-0.05386	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	WFEC	MORLND 138KV	320	0.02634	-0.05361	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	OKGE	SOONER 345KV	537	0.02681	-0.05408	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEWP	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05511	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEWP	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05511	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	WEATHERFORD 34KV	12	0.02594	-0.05321	16
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05541	16
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	FITZHUGH 161KV	109	0.02436	-0.05473	16
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	OZARK 161KV	151.403	0.02435	-0.05472	16
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05551	16
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	FITZHUGH 161KV	109	0.02436	-0.05471	16
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	OZARK 161KV	151.403	0.02435	-0.05469	16
SWPA	JONESBORO 161KV	12.5	0.00131	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.05281	16
SWPA	KENNETT 69KV	29	-0.00106	AEWP	OC 345KV	369	0.05177	-0.05283	16
SWPA	KENNETT 69KV	29	-0.00106	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.05283	16
EMDE	LARUSSEL 161KV	196	-0.01147	GRDA	BOOMER 69KV	24	0.04383	-0.05563	16
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	MUSKOGEE 161KV	166	0.0432	-0.05467	16
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.05476	16
SWPA	MALDEN 69KV	10	-0.00192	AEWP	COGENTRIX 345KV	965	0.05051	-0.05243	16
SWPA	MALDEN 69KV	10	-0.00192	AEWP	OC 345KV	369	0.05177	-0.05369	16
SWPA	PARAGOULD 69KV	12	0.0003	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.05382	16
SWPA	PIGGOTT 69KV	7.5	-0.00137	AEWP	OC 345KV	369	0.05177	-0.05314	16
SWPA	PIGGOTT 69KV	7.5	-0.00137	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.05349	16
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEWP	COGENTRIX 345KV	965	0.05051	-0.05243	16
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	GRDA1 161KV	125.9606	0.04991	-0.05356	16
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEWP	OC 345KV	369	0.05177	-0.05521	16
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	BOOMER 69KV	24	0.04383	-0.05542	16
EMDE	RIVERTON 161KV	95	-0.01118	OKGE	MUSKOGEE 161KV	166	0.0432	-0.05438	16
EMDE	RIVERTON 161KV	95	-0.01118	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.05447	16
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	GRDA1 345KV	220	0.04697	-0.05517	16
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	KERR 115KV	13.5	0.047	-0.0552	16
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.05324	16
WERE	SOUTH SENECA 115KV	8.2							

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

WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	CZ 69KV	39	0.01186	-0.05131	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	HANSFORD 115KV	80	0.00998	-0.04973	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	HARRINGTON 230KV	1066	0.00986	-0.04971	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	HUBRCO2 69KV	11	0.01016	-0.04991	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	NICHOLS 115KV	111.9956	0.01036	-0.05011	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	SIDRCH 69KV	20	0.01016	-0.04991	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	SPEARMAN 69KV	10	0.01002	-0.04977	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	STEER WATER 115KV	80	0.01094	-0.05029	17
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04968	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	BEAVER 161KV	145.4916	0.01191	-0.0507	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	CAPROCK 0KV	80	0.0128	-0.05159	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	CZ 69KV	39	0.01186	-0.05131	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	FLANTX 115KV	205	0.01293	-0.05172	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	FLANTX 230KV	189	0.01281	-0.0516	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	SAN JUAN 230KV	120	0.01308	-0.05187	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	STEER WATER 115KV	80	0.01094	-0.04973	17
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	TOLK 230KV	1014.794	0.01304	-0.05183	17
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	SWPA	TRUMAN 161KV	103.4654	-0.02217	-0.05164	17
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	ELIEMAN 138KV	155	0.01663	-0.04928	17
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	LEBROCK 345KV	165	0.01658	-0.04923	17
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	WELSH 345KV	1044	0.01907	-0.05072	17
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	WILKES 158KV	421.735	0.0171	-0.04975	17
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	AEPW	WILKES 345KV	308	0.01689	-0.04954	17
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	MUSKOGEE 161KV	166	0.0432	-0.05201	17
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.0521	17
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	HORSESHOE LAKE 69KV	16	0.03929	-0.04939	17
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	GRDA	PENSACOLA 161KV	33	0.03464	-0.05094	17
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	REDBUD 345KV	150	0.03371	-0.05001	17
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	SOONER 138KV	535	0.03347	-0.04977	17
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02549	AEPW	NARROWS 69KV	22	0.01992	-0.04941	17
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	NARROWS 69KV	22	0.01992	-0.05046	17
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	NARROWS 69KV	22	0.01992	-0.04986	17
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	NARROWS 69KV	22	0.01992	-0.05109	17
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEPW	WELSH 345KV	1044	0.01807	-0.04924	17
WERE	GILL ENERGY CENTER 69KV	8	-0.03965	AEPW	NARROWS 69KV	22	0.01992	-0.05077	17
SWPA	GREERS FERRY 161KV	15.32319	0.00746	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04952	17
SWPA	GREERS FERRY 161KV	15.32319	0.00746	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04948	17
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	NARROWS 69KV	22	0.01992	-0.04953	17
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	FITZHUGH 161KV	109	0.02436	-0.05164	17
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	OZARK 161KV	151.403	0.02435	-0.05163	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	FITZHUGH 161KV	109	0.02436	-0.05163	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	OZARK 161KV	151.403	0.02435	-0.05162	17
LEPA	IRION SUB 230KV	19	0.00648	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.05005	17
LEPA	IRION SUB 230KV	19	0.00648	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.05046	17
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEPW	NARROWS 69KV	22	0.01992	-0.05029	17
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEPW	NARROWS 69KV	22	0.01992	-0.05026	17
SWPA	JONESBORO 161KV	12.5	0.00131	AEPW	OEC 345KV	369	0.05177	-0.05046	17
SWPA	KENNETT 69KV	29	-0.01066	AEPW	COCENTRIX 345KV	865	0.05051	-0.05081	17
SWPA	KENNETT 69KV	29	-0.01066	GRDA	GRDA1 161KV	125.9006	0.04991	-0.05097	17
EMDE	LARUSSEL 161KV	196	-0.01147	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.0516	17
EMDE	LARUSSEL 161KV	196	-0.01147	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.0516	17
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.04974	17
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	NARROWS 69KV	22	0.01992	-0.05077	17
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEPW	WELSH 345KV	1044	0.01807	-0.04952	17
SWPA	MALDEN 69KV	10	-0.00192	GRDA	GRDA1 161KV	125.9006	0.04991	-0.05183	17
SWPA	MALDEN 69KV	10	-0.00192	GRDA	KERR 161KV	13.5	0.04813	-0.05005	17
SWPA	MALDEN 69KV	10	-0.00192	GRDA	SALINA 161KV	37.61968	0.04813	-0.05005	17
SWPA	PARAGOULD 69KV	12	0.0003	AEPW	COCENTRIX 345KV	865	0.05051	-0.05077	17
SWPA	PARAGOULD 69KV	12	0.0003	GRDA	GRDA1 161KV	125.9006	0.04991	-0.04961	17
SWPA	PARAGOULD 69KV	12	0.0003	AEPW	OEC 345KV	369	0.05177	-0.05147	17
SWPA	PIGGOTT 69KV	7.5	-0.00137	AEPW	COCENTRIX 345KV	865	0.05051	-0.05188	17
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	GRDA1 161KV	125.9006	0.04991	-0.05128	17
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	KERR 161KV	13.5	0.04813	-0.0495	17
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	SALINA 161KV	37.61968	0.04813	-0.0495	17
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	GRDA1 345KV	220	0.04697	-0.05062	17
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	KERR 115KV	13.5	0.047	-0.05065	17
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	KERR 161KV	13.5	0.04813	-0.05078	17
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	SALINA 161KV	37.61968	0.04813	-0.05178	17
EMDE	RIVERTON 161KV	95	-0.01118	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.05131	17
EMDE	RIVERTON 161KV	95	-0.01118	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.05131	17
EMDE	RIVERTON 161KV	95	-0.01118	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.04945	17
EMDE	RIVERTON 69KV	16.10794	-0.0082	GRDA	BOOMER 69KV	24	0.04383	-0.05203	17
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKGE	MUSKOGEE 161KV	166	0.0432	-0.0514	17
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.05149	17
CELE	TECHE 138KV	95.82867	0.00758	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.0494	17
CELE	TECHE 138KV	95.82867	0.00758	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04938	17
CELE	TECHE 34KV	23	0.00758	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.0494	17
CELE	TECHE 34KV	23	0.00758	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04936	17
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEPW	NARROWS 69KV	22	0.01992	-0.05107	17
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03115	AEPW	NARROWS 69KV	22	0.01992	-0.05102	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	AES 161KV	320	0.028	-0.05017	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.05032	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	WFEC	ANADARKO 69KV	76	0.02821	-0.05038	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	COMANCHE 138KV	145	0.02734	-0.04951	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	COMANCHE 69KV	60	0.0275	-0.04967	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	ELLIS 69KV	6.6	0.0286	-0.05077	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	FLINT CREEK 161KV	400	0.02994	-0.05211	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.05001	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.05001	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	SPGK182 13.200 345KV	78	0.02964	-0.05181	17
SWPA	TRUMAN 161KV	76.53462	-0.02217	OKGE	SPGK384 13.200 345KV	11.89999	0.02964	-0.05181	17
WERE	WACO 138KV	30	-0.03104	AEPW	NARROWS 69KV	22	0.01992	-0.05096	17
CELE	ACADIA 138KV	1322	0.00789	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04909	18
CELE	ACADIA 138KV	1322	0.00789	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04905	18
EMDE	ASBURY 161KV	20	-0.02936	AEPW	WELSH 345KV	1044	0.01807	-0.04743	18
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	AEPW	TALLA POWER STATION 138KV	299	0.05412	-0.04698	18
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	NARROWS 69KV	22	0.01992	-0.04752	18
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	GRDA	GRDA1 345KV	220	0.04697	-0.04977	18
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	GRDA	KERR 115KV	13.5	0.047	-0.0478	18
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	GRDA	KERR 161KV	13.5	0.04813	-0.04893	18
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	GRDA	SALINA 161KV	37.61968	0.04813	-0.04893	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	LEPA	BAYOU RAMOS 138KV	39.01513	0.0714	-0.04689	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	CELE	EVANGELINE 138KV	155	0.00854	-0.04929	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	CELE	EVANGELINE 230KV	194	0.00862	-0.04837	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	GREERS FERRY 161KV	94.67881	0.00746	-0.04721	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	CELE	RODEMACHER 230KV	891	0.00943	-0.04918	18
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	CELE	TECHE 138KV	276.173	0.00758	-0.04733	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	BLACKHAWK 115KV	220	0.01015	-0.04894	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	CELE	EVANGELINE 138KV	155	0.00854	-0.04733	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	CELE	EVANGELINE 230KV	194	0.00862	-0.04741	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	HANSFORD 115KV	80	0.00998	-0.04877	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	HARRINGTON 230KV	1066	0.00986	-0.04875	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	HUBRCO2 69KV	11	0.01016	-0.04895	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04915	18
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	CELE	RODEMACHER 230KV	891	0.00943	-0.04822	18
WERE	CITY OF B								

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEWP	WELSH 345KV	1044	0.01807	-0.04756	18
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEWP	WILKES 138KV	421.735	0.0171	-0.04659	18
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04778	18
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04775	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	EASTMAN 138KV	155	0.01663	-0.04717	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	KNOXLEE 138KV	284	0.01653	-0.04707	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	LEBROCK 345KV	165	0.01658	-0.04712	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04711	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	WELSH 345KV	1044	0.01807	-0.04861	18
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEWP	WILKES 138KV	421.735	0.0171	-0.04764	18
CELE	EVANGELINE 138KV	157	0.00854	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04743	18
CELE	EVANGELINE 138KV	157	0.00854	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.0484	18
CELE	EVANGELINE 230KV	231	0.00862	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04836	18
CELE	EVANGELINE 230KV	231	0.00862	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04832	18
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEWP	EASTMAN 138KV	155	0.01663	-0.04657	18
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEWP	WELSH 345KV	1044	0.01807	-0.04801	18
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEWP	WILKES 138KV	421.735	0.0171	-0.04704	18
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEWP	WILKES 345KV	308	0.01689	-0.04683	18
WERE	GETTY 69KV	35	-0.04699	SWPA	JONESBORO 161KV	50.5	0.00131	-0.0483	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	EASTMAN 138KV	155	0.01663	-0.0478	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	KNOXLEE 138KV	284	0.01653	-0.0477	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	LEBROCK 345KV	165	0.01658	-0.04775	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	LIEBERMAN 138KV	156	0.01571	-0.04688	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04774	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	WILKES 138KV	421.735	0.0171	-0.04687	18
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	AEWP	WILKES 345KV	308	0.01689	-0.04806	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	EASTMAN 138KV	155	0.01663	-0.04748	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	KNOXLEE 138KV	284	0.01653	-0.04738	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	LEBROCK 345KV	165	0.01658	-0.04743	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04742	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	WELSH 345KV	1044	0.01807	-0.04892	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	WILKES 138KV	421.735	0.0171	-0.04795	18
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEWP	WILKES 345KV	308	0.01689	-0.04774	18
SWPA	GREENS FERRY 161KV	15,323.19	0.00746	AEWP	TULSA POWER STATION 138KV	299	0.04412	-0.04666	18
WERE	HOLTON 115KV	7.6	-0.02961	AEWP	WILKES 345KV	1044	0.01807	-0.04768	18
WERE	HOLTON 115KV	7.6	-0.02961	AEWP	WILKES 138KV	421.735	0.0171	-0.04671	18
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02729	AEWP	NARROWS 69KV	22	0.01992	-0.0472	18
WERE	HUTCHINSON ENERGY CENTER 69KV	53	-0.02727	AEWP	NARROWS 69KV	22	0.01992	-0.04719	18
LEPA	IRION SUB 230KV	19	0.00648	AEWP	TULSA POWER STATION 138KV	299	0.04412	-0.04764	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	EASTMAN 138KV	155	0.01663	-0.047	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	KNOXLEE 138KV	284	0.01653	-0.04689	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	LEBROCK 345KV	165	0.01658	-0.04695	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04694	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	WELSH 345KV	1044	0.01807	-0.04844	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	WILKES 138KV	421.735	0.0171	-0.04747	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	AEWP	WILKES 345KV	308	0.01689	-0.04726	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	EASTMAN 138KV	155	0.01663	-0.04697	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	KNOXLEE 138KV	284	0.01653	-0.04687	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	LEBROCK 345KV	165	0.01658	-0.04692	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04691	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	WELSH 345KV	1044	0.01807	-0.04841	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	WILKES 138KV	421.735	0.0171	-0.04744	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	AEWP	WILKES 345KV	308	0.01689	-0.04723	18
SWPA	JONESBORO 161KV	12.5	0.00131	AEWP	COGENTRIX 345KV	965	0.05051	-0.0492	18
SWPA	JONESBORO 161KV	12.5	0.00131	GRDA	GRDA1 161KV	125.9906	0.04991	-0.0486	18
SWPA	JONESBORO 161KV	12.5	0.00131	GRDA	KERR 115KV	13.5	0.04813	-0.04682	18
SWPA	JONESBORO 161KV	12.5	0.00131	GRDA	SALINA 161KV	37.61368	0.04813	-0.04686	18
SWPA	KENNETT 69KV	29	-0.00106	GRDA	GRDA1 345KV	220	0.04697	-0.04903	18
SWPA	KENNETT 69KV	29	-0.00106	GRDA	KERR 115KV	13.5	0.047	-0.04806	18
SWPA	KENNETT 69KV	29	-0.00106	GRDA	KERR 161KV	13.5	0.04813	-0.04919	18
SWPA	KENNETT 69KV	29	-0.00106	GRDA	SALINA 161KV	37.61368	0.04813	-0.04919	18
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.04777	18
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.04777	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	EASTMAN 138KV	155	0.01663	-0.04808	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	KNOXLEE 138KV	284	0.01653	-0.04798	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	LEBROCK 345KV	165	0.01658	-0.04803	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	LIEBERMAN 138KV	156	0.01571	-0.04716	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04802	18
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	WILKES 138KV	421.735	0.0171	-0.04855	18
SWPA	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	AEWP	WILKES 345KV	308	0.01689	-0.04824	18
SWPA	MALDEN 69KV	10	-0.00192	GRDA	GRDA1 345KV	220	0.04697	-0.04889	18
SWPA	MALDEN 69KV	10	-0.00192	GRDA	KERR 115KV	13.5	0.047	-0.04892	18
SPS	MOORE COUNTY 115KV	48	0.00997	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04728	18
SPS	MOORE COUNTY 115KV	48	0.00997	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04724	18
SPS	NICHOLS 115KV	101.0044	0.01036	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04663	18
SPS	NICHOLS 115KV	101.0044	0.01036	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04658	18
SPS	NICHOLS 230KV	244	0.01004	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04694	18
SPS	NICHOLS 230KV	244	0.01004	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04689	18
SWPA	PARAGOULD 69KV	12	0.0003	GRDA	GRDA1 345KV	220	0.04697	-0.04667	18
SWPA	PARAGOULD 69KV	12	0.0003	GRDA	KERR 115KV	13.5	0.047	-0.0467	18
SWPA	PARAGOULD 69KV	12	0.0003	GRDA	KERR 161KV	13.5	0.04813	-0.04783	18
SWPA	PARAGOULD 69KV	12	0.0003	GRDA	SALINA 161KV	37.61368	0.04813	-0.04783	18
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	GRDA1 345KV	220	0.04697	-0.04834	18
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	KERR 115KV	13.5	0.047	-0.04837	18
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	BOOMER 69KV	24	0.04383	-0.04748	18
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGE	MUSKOGEE 161KV	166	0.0432	-0.04685	18
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGE	MUSKOGEE 345KV	1548	0.04329	-0.04694	18
EMDE	RIVERTON 161KV	98	-0.01118	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.04748	18
EMDE	RIVERTON 161KV	98	-0.01118	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.04748	18
EMDE	RIVERTON 69KV	16.10794	-0.0082	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.04833	18
EMDE	RIVERTON 69KV	16.10794	-0.0082	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.04833	18
SPS	RIVERVIEW 69KV	23	0.01015	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04683	18
SPS	RIVERVIEW 69KV	23	0.01015	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04679	18
CELE	RODEMACHER 230KV	296	0.00943	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04755	18
CELE	RODEMACHER 230KV	296	0.00943	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04751	18
WERE	SOUTH SENeca 115KV	8.2	-0.02807	AEWP	NARROWS 69KV	22	0.01992	-0.04799	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	EASTMAN 138KV	155	0.01663	-0.04788	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	KNOXLEE 138KV	284	0.01653	-0.04768	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	LEBROCK 345KV	165	0.01658	-0.04773	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	LIEBERMAN 138KV	156	0.01571	-0.04686	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.04772	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	WELSH 345KV	1044	0.01807	-0.04922	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	WILKES 138KV	421.735	0.0171	-0.04825	18
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	WILKES 345				

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

SWPA	BEAVER 161KV	20.10843	0.01191	AEPW	NORTHEASTERN STATION 345KV	625	0.06694	-0.04503	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	EASTMAN 138KV	155	0.01663	-0.04423	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	LEBRONCK 345KV	155	0.01668	-0.04418	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	WELSH 345KV	1044	0.01807	-0.04567	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	WILKES 138KV	421.735	0.0171	-0.0447	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	WILKES 345KV	308	0.01689	-0.04449	19
SWPA	BULL SHOALS 161KV	107.2672	-0.0308	GRDA	BOOMER 69KV	24	0.04383	-0.04463	19
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	LEPA	CITY OF HOLMA SUB 115KV	84	0.00849	-0.04519	19
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	LEPA	IRION SUB 230KV	25	0.00648	-0.04623	19
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.04593	19
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	LEPA	CITY OF HOLMA SUB 115KV	84	0.00849	-0.04528	19
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	GREERS FERRY 161KV	94.67801	0.0746	-0.04625	19
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	LEPA	IRION SUB 230KV	25	0.00648	-0.04527	19
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	CELE	TECHE 138KV	276.1713	0.00758	-0.04637	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	ABILENE ENERGY CENTER 115KV	40	-0.02907	-0.04474	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	EMDE	ASBURY 161KV	191	-0.02938	-0.04445	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.02949	-0.04432	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	HOLTON 115KV	12.2	-0.02961	-0.0442	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	HUTCHINSON ENERGY CENTER 115KV	200.8322	-0.02728	-0.04653	19
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	SOUTH SENECA 115KV	8.5	-0.02807	-0.04574	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04546	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	CAPROCK 0KV	80	0.0128	-0.04545	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04619	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04616	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	CZ 69KV	39	0.01156	-0.04421	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04619	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04618	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	MADDOX 115KV	118	0.01354	-0.04619	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	MUSTANG 115KV	300	0.0136	-0.04625	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	MUSTANG 230KV	466	0.01355	-0.0462	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	PLANTX 115KV	205	0.01293	-0.04558	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	PLANTX 230KV	189	0.01281	-0.04546	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	SAN JUAN 230KV	120	0.01308	-0.04573	19
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SPS	TOLK 230KV	1014.794	0.01304	-0.04569	19
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	EUFALLA 138KV	51.7327	0.01363	-0.04511	19
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.04511	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	AES 161KV	320	0.028	-0.0443	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.04445	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	WFEC	ANADARKO 69KV	76	0.02821	-0.04451	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	DENISON 138KV	60.32151	0.03017	-0.04647	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	AEPW	ELLIS 69KV	6.6	0.0286	-0.0449	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	AEPW	FLINT CREEK 161KV	40	0.02994	-0.04624	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	SPGCR182 13.200 345KV	78	0.02964	-0.04594	19
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	OKGE	SPGCR344 13.200 345KV	11.89099	0.02964	-0.04594	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	EASTMAN 138KV	155	0.01663	-0.04612	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	KNOXLEE 138KV	284	0.01653	-0.04602	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	LEBRONCK 345KV	165	0.01658	-0.04607	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04532	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.04606	19
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	AEPW	WILKES 345KV	308	0.01689	-0.04638	19
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04493	19
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	CELE	DOLET HILLS 345KV	370	0.01429	-0.04483	19
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	JONES 230KV	486	0.01458	-0.04492	19
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04625	19
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	LP-BRND2 69KV	20	0.01463	-0.04517	19
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	LP-MACK2 69KV	60	0.01462	-0.04516	19
CELE	EVANGELINE 138KV	157	0.00854	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04558	19
WERE	EVANGELINE 230KV	231	0.00862	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04558	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	CELE	DOLET HILLS 345KV	370	0.01429	-0.04423	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	JONES 230KV	486	0.01458	-0.04452	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	KNOXLEE 138KV	284	0.01653	-0.04647	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	LEBRONCK 345KV	165	0.01658	-0.04602	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04565	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	LP-BRND2 69KV	20	0.01463	-0.04457	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	LP-MACK2 69KV	60	0.01462	-0.04456	19
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.04561	19
WERE	GETTY 69KV	35	-0.04699	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.04519	19
WERE	GETTY 69KV	35	-0.04699	SWPA	MALDEN 69KV	7	-0.00192	-0.04507	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04471	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04468	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	DOLET HILLS 345KV	370	0.01429	-0.04456	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04471	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.0447	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	JONES 230KV	486	0.01458	-0.04575	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	LP-BRND2 69KV	20	0.01463	-0.04458	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	LP-MACK2 69KV	60	0.01462	-0.04579	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	MADDOX 115KV	118	0.01354	-0.04471	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	MUSTANG 115KV	300	0.0136	-0.04477	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	MUSTANG 230KV	460	0.01355	-0.04472	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	SAN JUAN 230KV	120	0.01308	-0.04425	19
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	TOLK 230KV	1014.794	0.01304	-0.04421	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04439	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04436	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	CELE	DOLET HILLS 345KV	370	0.01429	-0.04514	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04439	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04438	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	JONES 230KV	486	0.01458	-0.04543	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04656	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	LP-BRND2 69KV	20	0.01463	-0.04548	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	LP-MACK2 69KV	60	0.01462	-0.04547	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	MADDOX 115KV	118	0.01354	-0.04439	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	MUSTANG 115KV	300	0.0136	-0.04445	19
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	MUSTANG 230KV	460	0.01355	-0.0444	19
SWPA	GREERS FERRY 161KV	15.32319	0.00746	AEPW	QEC 345KV	969	0.05177	-0.04431	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	EASTMAN 138KV	155	0.01663	-0.04624	19
WERE	HOLTON 115KV	7.6	-0.02961	SPS	JONES 230KV	486	0.01458	-0.04419	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	KNOXLEE 138KV	284	0.01653	-0.04614	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	LEBRONCK 345KV	165	0.01658	-0.04607	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04532	19
WERE	HOLTON 115KV	7.6	-0.02961	SPS	LP-BRND2 69KV	20	0.01463	-0.04424	19
WERE	HOLTON 115KV	7.6	-0.02961	SPS	LP-MACK2 69KV	60	0.01462	-0.04423	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.04618	19
WERE	HOLTON 115KV	7.6	-0.02961	AEPW	WILKES 345KV	308	0.01689	-0.04625	19
WERE	HUTCHINSON ENERGY CENTER 115KV	24							

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

WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	MUSTANG 230KV	460	0.01355	-0.045	19
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	PLANTX 115KV	205	0.01293	-0.04438	19
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	PLANTX 230KV	189	0.01281	-0.04426	19
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	SAN JUAN 230KV	120	0.01308	-0.04453	19
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	TOLK 230KV	1014.794	0.01304	-0.04449	19
SWPA	MALDEN 69KV	10	-0.00192	GRDA	BOOMER 69KV	24	0.04383	-0.04575	19
SWPA	MALDEN 69KV	10	-0.00192	OKJGE	MUSKOGEE 161KV	166	0.0432	-0.04512	19
SWPA	MALDEN 69KV	10	-0.00192	OKJGE	MUSKOGEE 345KV	1548	0.04329	-0.04521	19
SPS	MOORE COUNTY 115KV	48	0.0097	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.0442	19
CELE	NATCHITOCHES 69KV	43	0.01093	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04605	19
CELE	NATCHITOCHES 69KV	43	0.01093	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04601	19
SWPA	PIGGOTT 69KV	7.5	-0.00137	GRDA	BOOMER 69KV	24	0.04383	-0.04562	19
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKJGE	MUSKOGEE 161KV	166	0.0432	-0.04457	19
SWPA	PIGGOTT 69KV	7.5	-0.00137	OKJGE	MUSKOGEE 345KV	1548	0.04329	-0.04466	19
EMDE	RIVERTON 161KV	95	-0.01118	GRDA	PENSACOLA 161KV	33	0.03464	-0.04582	19
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	REDBUD 345KV	150	0.03371	-0.04489	19
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	SOONER 138KV	535	0.03347	-0.04465	19
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	EUFULA 138KV	51.7327	0.0363	-0.0445	19
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	EUFULA 161KV	70.60814	0.0363	-0.0445	19
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.0447	19
CELE	RODEMACHER 230KV	298	0.00543	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04459	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	EASTMAN 138KV	155	0.01663	-0.0447	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	KNOXLEE 138KV	284	0.01653	-0.0446	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	LEBROCK 345KV	165	0.01658	-0.04465	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	PIRREY GENERATION 138KV	243	0.01657	-0.04464	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	WELSH 345KV	1070	0.01629	-0.04464	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	WILKES 138KV	421.735	0.0171	-0.04517	19
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPW	WILKES 345KV	308	0.01689	-0.04496	19
CELE	TECHE 138KV	95.82867	0.00758	AEPW	OEC 345KV	369	0.05177	-0.04419	19
CELE	TECHE 138KV	95.82867	0.00758	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04459	19
CELE	TECHE 34KV	23	0.00758	AEPW	OEC 345KV	369	0.05177	-0.04419	19
CELE	TECHE 34KV	23	0.00758	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04454	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04469	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04466	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	DOLET HILLS 345KV	370	0.01429	-0.04544	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04469	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04468	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	JONES 230KV	486	0.01458	-0.04573	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	LP-BRND2 69KV	20	0.01463	-0.04578	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	LP-MACK2 69KV	60	0.01462	-0.04577	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	MADDOX 115KV	118	0.01354	-0.04469	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	MUSTANG 115KV	300	0.0136	-0.04475	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	MUSTANG 230KV	460	0.01355	-0.04465	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	SAN JUAN 230KV	120	0.01308	-0.04423	19
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	TOLK 230KV	1014.794	0.01304	-0.04419	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04464	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04461	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	DOLET HILLS 345KV	370	0.01429	-0.04539	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04464	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04463	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	JONES 230KV	486	0.01458	-0.04568	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	LP-BRND2 69KV	20	0.01463	-0.04573	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	LP-MACK2 69KV	60	0.01462	-0.04572	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	MADDOX 115KV	118	0.01354	-0.04464	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	MUSTANG 115KV	300	0.0136	-0.0447	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	MUSTANG 230KV	460	0.01355	-0.04465	19
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	SAN JUAN 230KV	120	0.01308	-0.04418	19
WERE	TRUMAN 161KV	76.53462	-0.02217	AEPW	FITZPATRICK 161KV	109	0.02436	-0.04427	19
SWPA	TRUMAN 161KV	76.53462	-0.02217	SWPA	OZARK 161KV	151.043	0.02435	-0.04452	19
SPS	TUCUMCARI 115KV	15	0.0128	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04418	19
WERE	WACO 138KV	30	-0.03104	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04458	19
WERE	WACO 138KV	30	-0.03104	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04455	19
WERE	WACO 138KV	30	-0.03104	CELE	DOLET HILLS 345KV	370	0.01429	-0.04533	19
WERE	WACO 138KV	30	-0.03104	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04458	19
WERE	WACO 138KV	30	-0.03104	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04457	19
WERE	WACO 138KV	30	-0.03104	SPS	JONES 230KV	486	0.01458	-0.04567	19
WERE	WACO 138KV	30	-0.03104	SPS	LP-BRND2 69KV	20	0.01462	-0.04566	19
WERE	WACO 138KV	30	-0.03104	SPS	LP-MACK2 69KV	60	0.01462	-0.04566	19
WERE	WACO 138KV	30	-0.03104	SPS	MADDOX 115KV	118	0.01354	-0.04458	19
WERE	WACO 138KV	30	-0.03104	SPS	MUSTANG 115KV	300	0.0136	-0.04464	19
WERE	WACO 138KV	30	-0.03104	SPS	MUSTANG 230KV	460	0.01355	-0.04465	19
CELE	ACADIA 138KV	1322	0.00789	AEPW	COGENTRIX 345KV	985	0.05051	-0.04262	20
CELE	ACADIA 138KV	1322	0.00789	AEPW	OEC 345KV	369	0.05177	-0.04388	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	CAPROCK 0KV	80	0.0128	-0.04216	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04425	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04427	20
EMDE	ASBURY 161KV	20	-0.02936	CELE	DOLET HILLS 345KV	370	0.01429	-0.04365	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04429	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04429	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	JONES 230KV	486	0.01458	-0.04289	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	LP-BRND2 69KV	20	0.01463	-0.04399	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	LP-MACK2 69KV	60	0.01462	-0.04398	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	MADDOX 115KV	118	0.01354	-0.0429	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	MUSTANG 115KV	300	0.0136	-0.04296	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	MUSTANG 230KV	460	0.01355	-0.04291	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	PLANTX 115KV	205	0.01293	-0.04229	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	PLANTX 230KV	189	0.01281	-0.04217	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	SAN JUAN 230KV	120	0.01308	-0.04244	20
EMDE	ASBURY 161KV	20	-0.02936	SPS	TOLK 230KV	1014.794	0.01304	-0.04242	20
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	AEPW	COGENTRIX 345KV	985	0.05051	-0.04337	20
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04277	20
SWPA	BEAVER 161KV	20.10843	0.01191	AEPW	TULSA POWER STATION 138KV	299	0.05412	-0.04221	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	JONES 230KV	486	0.01458	-0.04218	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	KNOXLEE 138KV	284	0.01653	-0.04213	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	LIBERMAN 138KV	156	0.01571	-0.04331	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	LP-BRND2 69KV	20	0.01463	-0.04223	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	LP-MACK2 69KV	60	0.01462	-0.04222	20
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	AEPW	PIRREY GENERATION 138KV	243	0.01657	-0.04217	20
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKJGE	MUSKOGEE 161KV	166	0.0432	-0.044	20
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKJGE	MUSKOGEE 345KV	1548	0.04329	-0.04409	20
SPS	CARLSBAD 69KV	18	0.01339	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04359	20
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04359	20
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	EMPIRIA ENERGY CENTER 345KV	502	0.0254	-0.04327	20
WERE	CITY OF GIRARD 69KV	7.1	-0.07381	WERE	EVANS ENERGY CENTER 138KV	535	0.02994	-0.04387	20

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04302	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	JONES 230KV	496	0.01458	-0.04407	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	LP-BRINKZ 69KV	20	0.01463	-0.04412	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	LP-MACK2 69KV	60	0.01462	-0.04411	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	MADOX 115KV	118	0.01354	-0.04303	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	MUSTANG 115KV	300	0.0136	-0.04309	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	MUSTANG 230KV	460	0.01355	-0.04309	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	PLANTX 115KV	205	0.01293	-0.04325	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	PLANTX 230KV	189	0.01281	-0.0423	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	SAN JUAN 230KV	120	0.01308	-0.04257	20
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	TOLK 230KV	1014.794	0.01304	-0.04253	20
SPS	CUNNINGHAM 115KV	71	0.01354	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04341	20
SPS	CUNNINGHAM 115KV	71	0.01354	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.0434	20
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	AEPW	OEC 345KV	369	0.05177	-0.04258	20
CELE	DOLET HILLS 345KV	10	0.01429	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04269	20
CELE	DOLET HILLS 345KV	10	0.01429	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04265	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04245	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	CAPROCK 0KV	80	0.0128	-0.04334	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04408	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04405	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	CZ 69KV	39	0.01156	-0.0421	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04408	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04407	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	MADOX 115KV	118	0.01354	-0.04408	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	MUSTANG 115KV	300	0.0136	-0.04414	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	MUSTANG 230KV	460	0.01355	-0.04345	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	PLANTX 115KV	205	0.01293	-0.04347	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	PLANTX 230KV	189	0.01281	-0.04335	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	SAN JUAN 230KV	120	0.01308	-0.04362	20
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	TOLK 230KV	1014.794	0.01304	-0.04356	20
CELE	EVANGELINE 138KV	157	0.00854	AEPW	OEC 345KV	369	0.05177	-0.04323	20
CELE	EVANGELINE 230KV	231	0.00862	AEPW	OEC 345KV	369	0.05177	-0.04315	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	CAPROCK 0KV	80	0.0128	-0.04274	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04348	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04345	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04348	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04347	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	MADOX 115KV	118	0.01354	-0.04348	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	MUSTANG 115KV	300	0.0136	-0.04354	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	MUSTANG 230KV	460	0.01355	-0.04349	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	PLANTX 115KV	205	0.01293	-0.04287	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	PLANTX 230KV	189	0.01281	-0.04275	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	SAN JUAN 230KV	120	0.01308	-0.04302	20
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	TOLK 230KV	1014.794	0.01304	-0.04298	20
WERE	GETTY 69KV	35	-0.04699	EMDE	OZARK BEACH 161KV	16	-0.00321	-0.04378	20
WERE	GETTY 69KV	35	-0.04699	SWPA	SIKESTON 161KV	235	-0.00345	-0.04354	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04308	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	CAPROCK 0KV	80	0.0128	-0.04359	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	CZ 69KV	39	0.01156	-0.04273	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	PLANTX 115KV	205	0.01293	-0.0441	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	PLANTX 230KV	189	0.01281	-0.04398	20
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SPS	STEER WATER 115KV	80	0.01094	-0.04211	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04376	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	CAPROCK 0KV	80	0.0128	-0.04365	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	CZ 69KV	39	0.01156	-0.04241	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	PLANTX 115KV	205	0.01293	-0.04378	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	PLANTX 230KV	189	0.01281	-0.04366	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	SAN JUAN 230KV	120	0.01308	-0.04381	20
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SPS	TOLK 230KV	1014.794	0.01304	-0.04389	20
SWPA	GREENS FERRY 161KV	15.32319	0.00746	AEPW	COGENTRIX 345KV	965	0.05051	-0.04205	20
SWPA	GREENS FERRY 161KV	15.32319	0.00746	GRDA	GRDA1 161KV	125.9066	0.04991	-0.04345	20
SPS	HOBBS PLT31 18.000 230KV	7.999985	0.01353	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04345	20
SPS	HOBBS PLT31 18.000 230KV	7.999985	0.01353	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.04341	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	CAPROCK 0KV	80	0.0128	-0.04241	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04315	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04312	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	DOLET HILLS 345KV	10	0.01429	-0.0435	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04315	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04314	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	MADOX 115KV	118	0.01354	-0.04315	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	MUSTANG 115KV	300	0.0136	-0.04321	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	MUSTANG 230KV	460	0.01355	-0.04316	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	PLANTX 115KV	205	0.01293	-0.04254	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	PLANTX 230KV	189	0.01281	-0.04242	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	SAN JUAN 230KV	120	0.01308	-0.04269	20
WERE	HOLTON 115KV	7.6	-0.02961	SPS	TOLK 230KV	1014.794	0.01304	-0.04325	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	EASTMAN 138KV	155	0.01663	-0.04391	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	KNOXLEE 138KV	284	0.01653	-0.04381	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	LEBROCK 345KV	165	0.01658	-0.04386	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	LEBROCK 345KV	165	0.01657	-0.04396	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.04385	20
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	AEPW	WILKES 345KV	308	0.01689	-0.04417	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	EASTMAN 138KV	155	0.01663	-0.0439	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	KNOXLEE 138KV	284	0.01653	-0.0438	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	LEBROCK 345KV	165	0.01658	-0.04385	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	LIEBERMAN 138KV	156	0.01571	-0.04298	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	PIRKEY GENERATION 138KV	243	0.01657	-0.04384	20
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	AEPW	WILKES 345KV	308	0.01689	-0.04416	20
LEPA	IRION SUB 230KV	19	0.00648	GRDA	COGENTRIX 345KV	965	0.05051	-0.04303	20
LEPA	IRION SUB 230KV	19	0.00648	GRDA	GRDA1 161KV	125.9066	0.04991	-0.04343	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04228	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	CAPROCK 0KV	80	0.0128	-0.04317	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04391	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04388	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04391	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.0439	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	MADOX 115KV	118	0.01354	-0.04391	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	MUSTANG 115KV	300	0.0136	-0.04397	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	MUSTANG 230KV	460	0.01355	-0.04392	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	PLANTX 115KV	205	0.01293	-0.0433	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	PLANTX 230KV	189	0.01281	-0.04318	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	SAN JUAN 230KV	120	0.01308	-0.04345	20
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	TOLK 230KV	1014.794	0.01304	-0.04341	20
WERE	JEFFREY ENERGY CENTER 345KV	42							

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

SWPA	PARAGOULD 69KV	12	0.0003	OKJGE	MUSKOGEE 161KV	166	0.0432	-0.0429	20
SWPA	PARAGOULD 69KV	12	0.0003	OKJGE	MUSKOGEE 345KV	158	0.04329	-0.04299	20
SPS	PLANTX 115KV	48	0.01293	SWPA	KEYSTONE DAM 161KV	152.202	0.05684	-0.04405	20
SPS	PLANTX 115KV	48	0.01293	AEPWF	NORTHEASTERN STATION 345KV	625	0.05684	-0.04401	20
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.04378	20
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.04378	20
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	HORSESHOE LAKE 138KV	796	0.03227	-0.04345	20
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	HORSESHOE LAKE 69KV	156	0.03229	-0.04378	20
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	SEMINOLE 138KV	345.6682	0.03147	-0.04265	20
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	SEMINOLE 345KV	1019	0.03116	-0.04234	20
EMDE	RIVERTON 161KV	95	-0.01118	AEPWF	TONTIPOWER 161KV	163.8579	0.03121	-0.04239	20
EMDE	RIVERTON 69KV	16.10794	-0.00362	GRDA	PENSACOLA 151KV	33	0.0484	-0.04127	20
SPS	RIVERVIEW 69KV	23	0.01015	AEPWF	TULSA POWER STATION 138KV	299	0.05412	-0.04397	20
CELE	RODEMACHER 230KV	296	0.00943	AEPWF	OEC 345KV	965	0.05177	-0.04234	20
WERE	SOUTH SENECA 115KV	8.2	-0.02807	CELE	DOLET HILLS 345KV	370	0.01429	-0.04236	20
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	JONES 230KV	496	0.01458	-0.04265	20
WERE	SOUTH SENECA 115KV	8.2	-0.02807	AEPWF	LIBERMAN 138KV	156	0.01571	-0.04378	20
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	LP-BRND2 69KV	20	0.01463	-0.0427	20
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	LP-MACK2 69KV	60	0.01462	-0.04269	20
CELE	TECHE 138KV	95.82867	0.00758	AEPWF	COGENTRIX 345KV	965	0.05051	-0.04293	20
CELE	TECHE 138KV	95.82867	0.00758	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04233	20
CELE	TECHE 34KV	23	0.00758	AEPWF	COGENTRIX 345KV	965	0.05051	-0.04293	20
CELE	TECHE 34KV	23	0.00758	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04233	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04306	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	CAPROCK 0KV	80	0.0128	-0.04395	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	CZ 69KV	39	0.01156	-0.04371	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	PLANTX 115KV	205	0.01293	-0.04408	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	PLANTX 230KV	189	0.01281	-0.04396	20
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	STEER WATER 115KV	80	0.01094	-0.04209	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04306	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	CAPROCK 0KV	80	0.0128	-0.04395	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	CZ 69KV	39	0.01156	-0.04366	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	PLANTX 115KV	205	0.01293	-0.04403	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	PLANTX 230KV	189	0.01281	-0.04391	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	STEER WATER 115KV	80	0.01094	-0.04204	20
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SPS	TOLK 230KV	1014.794	0.01304	-0.04414	20
SPS	TOLK 230KV	65.20627	0.01304	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.04394	20
SPS	TOLK 230KV	65.20627	0.01304	AEPWF	NORTHEASTERN STATION 345KV	625	0.05684	-0.04394	20
SWPA	TRUMAN 161KV	76.53463	-0.02217	AEPWF	NARROWS 69KV	22	0.01982	-0.04208	20
SPS	TUCUMCARI 115KV	15	0.01228	AEPWF	NORTHEASTERN STATION 345KV	625	0.05684	-0.04414	20
WERE	WACO 138KV	30	-0.03104	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04295	20
WERE	WACO 138KV	30	-0.03104	SPS	CAPROCK 0KV	80	0.0128	-0.04384	20
WERE	WACO 138KV	30	-0.03104	SPS	CZ 69KV	39	0.01156	-0.04266	20
WERE	WACO 138KV	30	-0.03104	SPS	PLANTX 115KV	205	0.01293	-0.04407	20
WERE	WACO 138KV	30	-0.03104	SPS	PLANTX 230KV	189	0.01281	-0.04385	20
WERE	WACO 138KV	30	-0.03104	SPS	SAN JUAN 230KV	120	0.01308	-0.04412	20
WERE	WACO 138KV	30	-0.03104	SPS	TOLK 230KV	1014.794	0.01304	-0.04408	20
CELE	ACADIA 138KV	1322	0.00789	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04202	21
CELE	ACADIA 138KV	1322	0.00789	GRDA	KERR 161KV	13.5	0.04813	-0.04024	21
CELE	ACADIA 138KV	1322	0.00789	GRDA	SALINA 161KV	37.61368	0.04813	-0.04024	21
AEPWF	ARSENAL HILL 69KV	110	0.01548	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.0415	21
AEPWF	ARSENAL HILL 69KV	110	0.01548	AEPWF	NORTHEASTERN STATION 345KV	625	0.05684	-0.04146	21
EMDE	ASBURY 161KV	20	-0.02936	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04127	21
EMDE	ASBURY 161KV	20	-0.02936	SPS	CZ 69KV	39	0.01156	-0.04092	21
EMDE	ASBURY 161KV	20	-0.02936	SPS	STEER WATER 115KV	80	0.01094	-0.0403	21
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	KERR 161KV	13.5	0.04813	-0.04099	21
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	SALINA 161KV	37.61368	0.04813	-0.04099	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	CAPROCK 0KV	80	0.0128	-0.04391	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04114	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04111	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	CELE	DOLET HILLS 345KV	370	0.01429	-0.04189	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	CELE	HOBBS PLT31 18.000 115KV	10299	0.01354	-0.04114	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04113	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	MADOX 115KV	118	0.01354	-0.04114	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	MUSTANG 115KV	300	0.0136	-0.0412	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	MUSTANG 230KV	460	0.01355	-0.04115	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	PLANTX 115KV	205	0.01293	-0.04407	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	PLANTX 230KV	189	0.01281	-0.04041	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	SAN JUAN 230KV	120	0.01308	-0.04068	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	TOLK 230KV	1014.794	0.01304	-0.04064	21
SWPA	BULL SHOALS 161KV	107.3672	-0.0028	OMPA	OMPA-KAW 69KV	17	0.04013	-0.04091	21
SWPA	BULL SHOALS 161KV	107.3672	-0.0028	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.04093	21
SPS	CARLSBAD 69KV	18	0.01339	AEPWF	TULSA POWER STATION 138KV	299	0.05412	-0.04073	21
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	JONESBORO 161KV	50.5	0.00131	-0.04106	21
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03879	SWPA	JONESBORO 161KV	50.5	0.00131	-0.04101	21
WERE	CITY OF GIRARD 69KV	7.1	-0.03781	WERE	CITY OF MULVANE 69KV	8.29	0.0326	-0.04116	21
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	CELE	EVANGELINE 138KV	165	0.00854	-0.04119	21
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	CELE	EVANGELINE 230KV	194	0.00862	-0.04127	21
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	SWPA	GREENS FERRY 161KV	94.67881	0.00746	-0.04011	21
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	CELE	TECHE 138KV	276.1713	0.00758	-0.04023	21
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKJGE	HORSESHOE LAKE 138KV	796	0.03227	-0.04108	21
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKJGE	HORSESHOE LAKE 69KV	16	0.03299	-0.0418	21
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKJGE	SEMINOLE 138KV	345.6682	0.03147	-0.04028	21
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	BROKEN BOW 138KV	94.67881	0.02517	-0.04147	21
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	AEPWF	FITZTUGH 161KV	625	0.02435	-0.04066	21
SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.0163	SWPA	OZARK 161KV	151.403	0.02435	-0.04065	21
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	BEAVER 161KV	145.4916	0.01191	-0.04114	21
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	CZ 69KV	39	0.01156	-0.04105	21
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	STEER WATER 115KV	80	0.01094	-0.04043	21
SPS	CUNNINGHAM 115KV	7.1	0.01354	AEPWF	TULSA POWER STATION 138KV	299	0.05412	-0.04058	21
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	AEPWF	COGENTRIX 345KV	965	0.05051	-0.04132	21
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04072	21
AEPWF	EASTMAN 138KV	330.01	0.01683	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.04035	21
AEPWF	EASTMAN 138KV	330.01	0.01683	AEPWF	NORTHEASTERN STATION 345KV	625	0.05684	-0.04031	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	BLACKHAWK 115KV	220	0.01015	-0.04069	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	HANSFORD 115KV	80	0.00998	-0.04052	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	HARRINGTON 230KV	1066	0.00996	-0.04045	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	HUBRCO2 69KV	11	0.01016	-0.04067	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04049	21
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04049	21
CELE	EVANGELINE 138KV	157	0.00854	AEPWF	COGENTRIX 345KV	965	0.05051	-0.04197	21
CELE	EVANGELINE 138KV	157	0.00854	GRDA	GRDA1 161KV	125.9806	0.04991	-0.04137	21
CELE	EVANGELINE 230KV	231	0.00862	AEPWF	COGENTRIX 345KV	965	0.05051	-0.04189	21
CELE	EVANGELINE 23								

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

WERE	HOLTON 115KV		7.6	-0.02961	SWPA	BEAVER WATER	145.4916	0.01191	-0.04152	21
WERE	HOLTON 115KV		7.6	-0.02961	SPS	CZ 69KV	39	0.01156	-0.04177	21
WERE	HOLTON 115KV		7.6	-0.02961	SPS	STEER WATER 115KV	80	0.01098	-0.04055	21
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	CAPROCK 0KV	80	0.0128	-0.04008	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04082	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04079	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	CELE	DOLET HILLS 345KV	370	0.01429	-0.04157	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	HOBBS PLT21 18.000 115KV	10299	0.01351	-0.04082	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04081	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	JONES 230KV	486	0.01458	-0.04186	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	LP-BRND2 69KV	20	0.01463	-0.04191	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	LP-MACK2 69KV	60	0.01462	-0.04189	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	MADOX 115KV	118	0.01354	-0.04082	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	MUSTANG 115KV	300	0.0138	-0.04088	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	MUSTANG 230KV	460	0.01355	-0.04083	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	PLANTX 115KV	205	0.01293	-0.04021	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	PLANTX 230KV	189	0.01281	-0.04008	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	SAN JUAN 230KV	120	0.01308	-0.04036	21	
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SPS	TOLK 230KV	1014.794	0.01304	-0.04032	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	CAPROCK 0KV	80	0.0128	-0.04007	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	CUNNINGHAM 115KV	110	0.01354	-0.04081	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	CUNNINGHAM 230KV	306	0.01351	-0.04078	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	CELE	DOLET HILLS 345KV	370	0.01429	-0.04156	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.04081	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	HOBBS PLT31 18.000 230KV	202	0.01353	-0.04080	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	JONES 230KV	486	0.01458	-0.04186	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	LP-BRND2 69KV	20	0.01463	-0.04191	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	LP-MACK2 69KV	60	0.01462	-0.04189	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	MADOX 115KV	118	0.01354	-0.04081	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	MUSTANG 115KV	300	0.0138	-0.04089	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	MUSTANG 230KV	460	0.01355	-0.04082	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	PLANTX 115KV	205	0.01293	-0.04021	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	PLANTX 230KV	189	0.01281	-0.04008	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	SAN JUAN 230KV	120	0.01308	-0.04035	21	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	TOLK 230KV	1014.794	0.01304	-0.04032	21	
LEPA	IRION SUB 230KV	19	0.00648	GRDA	GRD1 345KV	220	0.04697	-0.04049	21	
LEPA	IRION SUB 230KV	19	0.00648	GRDA	KERR 115KV	13.5	0.047	-0.04052	21	
LEPA	IRION SUB 230KV	19	0.00648	GRDA	KERR 161KV	13.5	0.04813	-0.04165	21	
LEPA	IRION SUB 230KV	19	0.00648	GRDA	SALINA 161KV	37.61368	0.04813	-0.04165	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	BLACKHAWK 115KV	220	0.01015	-0.04052	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	CZ 69KV	39	0.01156	-0.04193	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	HANSFORD 115KV	80	0.00998	-0.04035	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	HARRINGTON 230KV	1066	0.00996	-0.04033	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	HUBRCO2 69KV	11	0.01016	-0.04053	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04073	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	SIDRCH 69KV	20	0.01016	-0.04053	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	SPEARMAN 69KV	10	0.01002	-0.04039	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	STEER WATER 115KV	80	0.01098	-0.04131	21	
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04033	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	BLACKHAWK 115KV	220	0.01015	-0.04049	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	CZ 69KV	39	0.01156	-0.04191	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	HANSFORD 115KV	80	0.00998	-0.04032	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	HARRINGTON 230KV	1066	0.00996	-0.04033	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	HUBRCO2 69KV	11	0.01016	-0.04051	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04071	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	SIDRCH 69KV	20	0.01016	-0.04051	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	SPEARMAN 69KV	10	0.01002	-0.04036	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	STEER WATER 115KV	80	0.01098	-0.04131	21	
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04027	21	
SWPA	JONESBORO 161KV	12.5	0.00131	OKGE	MUSKOGEE 161KV	166	0.0432	-0.04189	21	
SWPA	JONESBORO 161KV	12.5	0.00131	OKGE	MUSKOGEE 345KV	15.48	0.04329	-0.04198	21	
SWPA	KENNETT 69KV	29	-0.01006	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.04131	21	
SWPA	KENNETT 69KV	29	-0.01006	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.04119	21	
AEWP	KNOXLEE 138KV	139	0.01653	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04045	21	
AEWP	KNOXLEE 138KV	139	0.01653	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04041	21	
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	DENISON 138KV	60.32151	0.03207	-0.04119	21	
EMDE	LARUSSEL 161KV	196	-0.01147	AEWP	FLINT CREEK 161KV	400	0.02994	-0.04141	21	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	MCCLAIN 138KV	470	0.03051	-0.04198	21	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	MUSTANG 138KV	351	0.03046	-0.04193	21	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	MUSTANG 69KV	74.3252	0.03047	-0.04194	21	
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.04165	21	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	SPGCK182 13.200 345KV	78	0.02964	-0.04111	21	
EMDE	LARUSSEL 161KV	196	-0.01147	OKGE	SPGCK384 13.200 345KV	11.89999	0.02964	-0.04111	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	BLACKHAWK 115KV	220	0.01015	-0.04161	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	CELE	EVANGELINE 230KV	194	0.00862	-0.04007	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	HANSFORD 115KV	80	0.00998	-0.04163	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	HARRINGTON 230KV	1066	0.00996	-0.04141	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	HUBRCO2 69KV	11	0.01016	-0.04181	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04161	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	CELE	RODEMACHER 230KV	296	0.00943	-0.04088	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	SIDRCH 69KV	20	0.01016	-0.04161	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	SPEARMAN 69KV	10	0.01002	-0.04147	21	
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04138	21	
AEWP	LEBROCK 345KV	532	0.01658	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04034	21	
AEWP	LEBROCK 345KV	532	0.01658	AEWP	NORTHEASTERN STATION 345KV	625	0.05698	-0.04036	21	
AEWP	LIEBERMAN 138KV	72	0.01571	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04127	21	
AEWP	LIEBERMAN 138KV	72	0.01571	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04123	21	
SPS	MADOX 115KV	75	0.01354	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.04058	21	
SWPA	MALDEN 69KV	10	-0.00192	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.04119	21	
SPS	MOORE COUNTY 115KV	48	0.00997	AEWP	COGENTRIX 345KV	965	0.05051	-0.04081	21	
SPS	MOORE COUNTY 115KV	48	0.00997	GRDA	GRD1 161KV	125.9806	0.04991	-0.04021	21	
CELE	NATCHITOCHES 69KV	43	0.01093	AEWP	OEC 345KV	369	0.05177	-0.04084	21	
SPS	NICHOLS 115KV	101.0044	0.01036	AEWP	COGENTRIX 345KV	965	0.05051	-0.04015	21	
SPS	NICHOLS 115KV	101.0044	0.01036	AEWP	OEC 345KV	369	0.05177	-0.04141	21	
SPS	NICHOLS 230KV	244	0.01004	AEWP	COGENTRIX 345KV	965	0.05051	-0.04047	21	
SPS	NICHOLS 230KV	244	0.01004	AEWP	OEC 345KV	369	0.05177	-0.04173	21	
SWPA	PIGGOTT 69KV	7.5	-0.00137	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.04131	21	
SWPA	PIGGOTT 69KV	7.5	-0.00137	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.04119	21	
AEWP	PIRKEY GENERATION 138KV	45	0.01657	SWPA	KEYSTONE DAM 161KV	152.202	0.05698	-0.04041	21	
AEWP	PIRKEY GENERATION 138KV	45	0.01657	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.04037	21	
SPS	PLANTX 115KV	48	0.01293	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.04119	21	
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEWP	WEBBERS FALLS 161KV	39.54854	0.03827	-0.04119	21	
EMDE	RIVERTON 161KV	95	-0.01118	SWPA	DENISON 138KV	60.32151	0.03207			

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

WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	HUBRCO2 69KV	11	0.01016	-0.04131	21
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04151	21
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	CELE	RODEMACHER 230KV	891	0.00943	-0.04058	21
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	SIDRCH 69KV	20	0.01016	-0.04131	21
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	SPEARMAN 69KV	10	0.01002	-0.04117	21
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04108	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	BLACKHAWK 115KV	220	0.01015	-0.04125	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	HANSFORD 115KV	80	0.00998	-0.04108	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	HARRINGTON 230KV	1066	0.00996	-0.04106	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	HUBRCO2 69KV	11	0.01016	-0.04126	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04146	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	CELE	RODEMACHER 230KV	891	0.00943	-0.04058	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	SIDRCH 69KV	20	0.01016	-0.04126	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	SPEARMAN 69KV	10	0.01002	-0.04112	21
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04103	21
SPS	TOLK 230KV	65.20627	0.01304	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.04108	21
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	WELSH 345KV	1044	0.01807	-0.04024	21
SPS	TUCUMCARI 115KV	15	0.01228	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.04132	21
WERE	WACO 138KV	30	-0.03104	SPS	BLACKHAWK 115KV	220	0.01015	-0.04119	21
WERE	WACO 138KV	30	-0.03104	SPS	HANSFORD 115KV	80	0.00998	-0.04102	21
WERE	WACO 138KV	30	-0.03104	SPS	HARRINGTON 230KV	1066	0.00996	-0.04102	21
WERE	WACO 138KV	30	-0.03104	SPS	HUBRCO2 69KV	11	0.01016	-0.04112	21
WERE	WACO 138KV	30	-0.03104	SPS	NICHOLS 115KV	111.9956	0.01036	-0.04114	21
WERE	WACO 138KV	30	-0.03104	CELE	RODEMACHER 230KV	891	0.00943	-0.04047	21
WERE	WACO 138KV	30	-0.03104	SPS	SIDRCH 69KV	20	0.01016	-0.04112	21
WERE	WACO 138KV	30	-0.03104	SPS	SPEARMAN 69KV	10	0.01002	-0.04102	21
WERE	WACO 138KV	30	-0.03104	SPS	STEER WATER 115KV	80	0.01094	-0.04198	21
WERE	WACO 138KV	30	-0.03104	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.04097	21
CELE	ACADIA 138KV	1322	0.00789	GRDA	GRDA1 345KV	220	0.04697	-0.03908	22
CELE	ACADIA 138KV	1322	0.00789	GRDA	KERR 115KV	13.5	0.047	-0.03911	22
AEWP	ARSENAL HILL 69KV	110	0.01548	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03864	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	BLACKHAWK 115KV	220	0.01015	-0.03951	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	HANSFORD 115KV	80	0.00998	-0.03934	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	HARRINGTON 230KV	1066	0.00996	-0.03932	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	HUBRCO2 69KV	11	0.01016	-0.03951	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	NICHOLS 115KV	111.9956	0.01036	-0.03972	22
EMDE	ASBURY 161KV	20	-0.02936	CELE	RODEMACHER 230KV	891	0.00943	-0.03879	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	SIDRCH 69KV	20	0.01016	-0.03952	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	SPEARMAN 69KV	10	0.01002	-0.03938	22
EMDE	ASBURY 161KV	20	-0.02936	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.03929	22
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	GRDA1 345KV	220	0.04697	-0.03983	22
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	KERR 115KV	13.5	0.047	-0.03986	22
SWPA	BEAVER 161KV	20.10843	0.01191	AEWP	COGENTRIX 345KV	965	0.05051	-0.03866	22
SWPA	BEAVER 161KV	20.10843	0.01191	AEWP	OEC 345KV	39	0.05177	-0.03866	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	BEAVER 161KV	145.4916	0.01191	-0.03951	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	CZ 69KV	39	0.01156	-0.03916	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	STEER WATER 115KV	80	0.01094	-0.03854	22
SWPA	BULL SHOALS 161KV	107.3672	0.00268	SWPA	BLACKHAWK 115KV	39.54824	0.00268	-0.03907	22
SPS	CARLSBAD 69KV	18	0.01339	AEWP	WELSH FALLS 161KV	969	0.05177	-0.03838	22
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03895	22
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03979	22
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03914	22
WERE	CITY OF MULVANE 69KV	7.5	-0.03265	LEPA	KERR 115KV	25	0.00649	-0.03913	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	DENISON 138KV	60.32151	0.03017	-0.03898	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEWP	FLINT CREEK 161KV	400	0.02994	-0.03875	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	MCCLAIN 138KV	470	0.03051	-0.03932	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	MUSTANG 138KV	351	0.03046	-0.03927	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	MUSTANG 138KV	74.3292	0.0304	-0.03929	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	ROBERT S. KERR 161KV	317.7695	0.03055	-0.03936	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	SEMINOLE 345KV	1019	0.03116	-0.03997	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	SMITH COGEN 138KV	107	0.03056	-0.03937	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	SPGCK32 13 200 345KV	78	0.02966	-0.03845	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKGE	SPGCK34 13 200 345KV	11.89999	0.02964	-0.03845	22
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEWP	TONTITOWN 161KV	163.8579	0.03121	-0.04002	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	BLACKHAWK 115KV	220	0.01015	-0.03964	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	HANSFORD 115KV	80	0.00998	-0.03935	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	HARRINGTON 230KV	1066	0.00996	-0.03945	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	HUBRCO2 69KV	11	0.01016	-0.03965	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	NICHOLS 115KV	111.9956	0.01036	-0.03985	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	CELE	RODEMACHER 230KV	891	0.00943	-0.03892	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	SIDRCH 69KV	20	0.01016	-0.03951	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	SPEARMAN 69KV	10	0.01002	-0.03951	22
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.03942	22
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	KERR 161KV	13.5	0.04813	-0.03894	22
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	SALINA 161KV	37.61368	0.04813	-0.03894	22
WERE	DOILEY HILLS 345KV	10	0.01424	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03863	22
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	CELE	EVANGELINE 138KV	165	0.00854	-0.03908	22
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	CELE	EVANGELINE 230KV	194	0.00862	-0.03916	22
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	CELE	RODEMACHER 230KV	891	0.00943	-0.03997	22
CELE	EVANGELINE 138KV	157	0.00854	GRDA	GRDA1 345KV	220	0.04697	-0.03843	22
CELE	EVANGELINE 138KV	157	0.00854	GRDA	KERR 115KV	13.5	0.047	-0.03846	22
CELE	EVANGELINE 138KV	157	0.00854	GRDA	KERR 161KV	13.5	0.04813	-0.03959	22
CELE	EVANGELINE 138KV	157	0.00854	GRDA	SALINA 161KV	37.61368	0.04813	-0.03959	22
CELE	EVANGELINE 230KV	231	0.00862	GRDA	GRDA1 345KV	220	0.04697	-0.03935	22
CELE	EVANGELINE 230KV	231	0.00862	GRDA	KERR 115KV	13.5	0.047	-0.03935	22
CELE	EVANGELINE 230KV	231	0.00862	GRDA	KERR 161KV	13.5	0.04813	-0.03951	22
CELE	EVANGELINE 230KV	231	0.00862	GRDA	SALINA 161KV	37.61368	0.04813	-0.03951	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	CELE	EVANGELINE 138KV	165	0.00854	-0.03848	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	EVANGELINE 230KV	194	0.00862	-0.03856	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	HANSFORD 115KV	80	0.00998	-0.03922	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	HARRINGTON 230KV	1066	0.00996	-0.0399	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	CELE	RODEMACHER 230KV	891	0.00943	-0.03937	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	SPEARMAN 69KV	10	0.01002	-0.03996	22
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.03987	22
AEWP	FULTON 115KV	32.99999	0.01502	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.0391	22
WERE	GETTY 69KV	35	-0.04699	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.03879	22
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03831	22
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	CELE	EVANGELINE 138KV	165	0.00854	-0.03897	22
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	CELE	EVANGELINE 230KV	194	0.00862	-0.03979	22
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03863	22
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	CELE	TECHE 138KV	276.1713	0.00758	-0.03875	22
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	CELE	EVANGELINE 138KV	165	0.00854	-0.03939	22
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	CELE	EVANGELINE 230KV	194	0.00862	-0.03947	22
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03831	22
WERE	GILL ENERGY CENTER 69KV	8	-0.03085	CELE	TECHE 138KV	276.1713	0.00758	-0.03843	22
SWPA	GREERS FERRY 161KV	15.32319	0.00746	GRDA	GRDA1 345KV	220	0.04697	-0.03951	22
SWPA	GREERS FERRY 161KV	15.32319	0.00746	GRDA	KERR 115KV	13.5	0.047	-0.03954	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	BLACKHAWK 115KV	220	0.01015	-0.03976	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	HANSFORD 115KV	80	0.00998	-0.03959	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	HARRINGTON 230KV	1066	0.00996	-0.03957	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	HUBRCO2 69KV	11	0.01016	-0.03977	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	NICHOLS 115KV	111.9956	0.01036	-0.03997	22
WERE	HOLTON 115KV	7.6	-0.02961	CELE	RODEMACHER 230KV	891	0.00943	-0.03904	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	SIDRCH 69KV	20	0.01016	-0.03977	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	SPEARMAN 69KV	10	0.01002	-0.03963	22
WERE	HOLTON 115KV	7.6	-0.02961	SPS	TEXAS COUNTY				

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

WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03891	22
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	CELE	TECHE 138KV	276.1713	0.00758	-0.03903	22
AEWP	LIEBERMAN 138KV	723	0.01571	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03841	22
AEWP	LONESTAR POWER PLANT 69KV	50	0.01725	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.03973	22
AEWP	LONESTAR POWER PLANT 69KV	50	0.01725	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.03969	22
SPS	LP-HOLL2 69KV	154	0.01461	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03951	22
SPS	LP-MACK2 69KV	20	0.01462	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03952	22
SPS	MOORE COUNTY 115KV	48	0.0097	GRDA	KERR 161KV	125.906	0.04991	-0.03843	22
SPS	MOORE COUNTY 115KV	48	0.0097	GRDA	SALINA 161KV	37.61368	0.04813	-0.03843	22
CELE	NATCHITOCHES 69KV	43	0.01093	AEWP	COGENTRIX 345KV	965	0.05051	-0.03958	22
CELE	NATCHITOCHES 69KV	43	0.01093	GRDA	GRDA1 161KV	125.906	0.04991	-0.03988	22
SPS	NICHOLS 115KV	101.0044	0.01036	GRDA	GRDA1 161KV	125.906	0.04991	-0.03985	22
CELE	NICHOLS 230KV	244	0.01004	GRDA	GRDA1 161KV	125.906	0.04991	-0.03987	22
SWPA	PARAGOULD 69KV	12	0.0003	OWPA	OWPA-KAW 69KV	19.7	0.04013	-0.03983	22
SWPA	PARAGOULD 69KV	12	0.0003	OWPA	OWPA-PONCA CITY 69KV	106.8736	0.04013	-0.03983	22
SWPA	PIGGOTT 69KV	7.5	-0.00137	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03964	22
SPS	PLANTX 115KV	48	0.01293	AEWP	OEC 345KV	369	0.05177	-0.03984	22
SWPA	POPLAR BLUFF 69KV	13	-0.00365	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.03995	22
SWPA	POPLAR BLUFF 69KV	13	-0.00365	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.03995	22
SWPA	POPLAR BLUFF 69KV	13	-0.00365	GRDA	PENSACOLA 161KV	33	0.03464	-0.03929	22
EMDE	RIVERTON 161KV	95	-0.01118	OKJGE	AES 161KV	320	0.028	-0.03918	22
EMDE	RIVERTON 161KV	95	-0.01118	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.03933	22
EMDE	RIVERTON 161KV	95	-0.01118	WFEC	ANADARKO 69KV	76	0.02821	-0.03939	22
EMDE	RIVERTON 161KV	95	-0.01118	AEWP	COMANCHE 138KV	145	0.02734	-0.03852	22
EMDE	RIVERTON 161KV	95	-0.01118	AEWP	COMANCHE 69KV	60	0.0275	-0.03868	22
EMDE	RIVERTON 161KV	95	-0.01118	AEWP	SOUTHWESTERN STATION 138KV	320	0.0278	-0.03903	22
EMDE	RIVERTON 161KV	95	-0.01118	AEWP	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.03902	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	DENISON 138KV	60.32151	0.03017	-0.03837	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	MCCLAIN 138KV	470	0.03051	-0.03871	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	MUSTANG 138KV	351	0.03046	-0.03866	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	MUSTANG 69KV	74.3232	0.03047	-0.03867	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.03875	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	SEMINOLE 138KV	345.6682	0.03147	-0.03967	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	SEMINOLE 345KV	1019	0.03116	-0.03936	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKJGE	SMITH COGEN 138KV	107	0.0306	-0.03876	22
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEWP	TONTITOWN 161KV	163.8759	0.03121	-0.03941	22
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	GRDA1 161KV	125.906	0.04991	-0.03976	22
CELE	RODEMACHER 230KV	296	0.00943	GRDA	KERR 161KV	13.5	0.04813	-0.03874	22
CELE	RODEMACHER 230KV	296	0.00943	GRDA	SALINA 161KV	37.61368	0.04813	-0.03874	22
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	BEAVER 161KV	145.4816	0.01191	-0.03988	22
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	CZ 69KV	39	0.01156	-0.03963	22
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	NICHOLS 115KV	111.9956	0.01036	-0.03943	22
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	STEER WATER 115KV	80	0.01094	-0.03901	22
CELE	TECHE 138KV	95.82967	0.00758	GRDA	GRDA1 345KV	220	0.04687	-0.03927	22
CELE	TECHE 138KV	95.82967	0.00758	GRDA	KERR 115KV	13.5	0.047	-0.03942	22
CELE	TECHE 34KV	23	0.00758	GRDA	GRDA1 345KV	220	0.04687	-0.03939	22
CELE	TECHE 34KV	23	0.00758	GRDA	KERR 115KV	13.5	0.047	-0.03942	22
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	AEWP	BAYOU RAMOS 138KV	39.01513	0.01016	-0.03743	23
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	CELE	EVANGELINE 138KV	155	0.00854	-0.03969	22
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	CELE	EVANGELINE 230KV	194	0.00862	-0.03977	22
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03861	22
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	CELE	TECHE 138KV	276.1713	0.00758	-0.03873	22
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	CELE	EVANGELINE 138KV	155	0.00854	-0.03964	22
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	CELE	EVANGELINE 230KV	194	0.00862	-0.03972	22
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03856	22
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0311	CELE	TECHE 138KV	276.1713	0.00758	-0.03868	22
SPS	TOLK 230KV	65.20627	0.01304	AEWP	OEC 345KV	369	0.05177	-0.03973	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	EASTMAN 138KV	155	0.01663	-0.03873	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	KNOXLEE 138KV	284	0.01653	-0.0387	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	LEBROCK 345KV	165	0.01658	-0.03874	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	PIRKEY GENERATION 138KV	243	0.01657	-0.03875	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	WILKES 138KV	421.726	0.0171	-0.03927	22
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	WILKES 345KV	308	0.01689	-0.03906	22
SPS	TUCUMCARI 115KV	15	0.0128	AEWP	OEC 345KV	369	0.05177	-0.03897	22
WERE	WACO 138KV	30	-0.03104	CELE	EVANGELINE 138KV	155	0.00854	-0.03958	22
WERE	WACO 138KV	30	-0.03104	CELE	EVANGELINE 230KV	194	0.00862	-0.03968	22
WERE	WACO 138KV	30	-0.03104	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03863	22
WERE	WACO 138KV	30	-0.03104	CELE	TECHE 138KV	276.1713	0.00758	-0.03862	22
AEWP	WILKES 138KV	41.26495	0.0171	SWPA	KEYSTONE DAM 161KV	152.202	0.05688	-0.03988	22
AEWP	WILKES 138KV	41.26495	0.0171	AEWP	NORTHEASTERN STATION 345KV	625	0.05694	-0.03984	22
EMDE	ASBURY 161KV	20	-0.02936	CELE	EVANGELINE 138KV	155	0.00854	-0.03978	23
EMDE	ASBURY 161KV	20	-0.02936	CELE	EVANGELINE 230KV	194	0.00862	-0.03978	22
EMDE	ASBURY 161KV	20	-0.02936	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03862	23
EMDE	ASBURY 161KV	20	-0.02936	CELE	TECHE 138KV	276.1713	0.00758	-0.03864	23
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	GRDA	BOONIER 69KV	24	0.04383	-0.03669	23
SWPA	BEAVER 161KV	20.10843	0.01191	GRDA	GRDA1 161KV	125.906	0.04991	-0.038	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	BLACKHAWK 115KV	220	0.01015	-0.03775	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	HANSFORD 115KV	80	0.00998	-0.03758	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	HARRINGTON 230KV	1066	0.00996	-0.03756	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	HUBRCO2 69KV	11	0.01016	-0.03746	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	NICHOLS 115KV	111.9956	0.01036	-0.03796	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	CELE	RODEMACHER 230KV	891	0.00943	-0.03703	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	SIDRCH 69KV	20	0.01016	-0.03776	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	SPEARMAN 69KV	10	0.01002	-0.03762	23
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.0276	SPS	TEXAS COUNTY 115KV	20	0.00963	-0.03763	23
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.0371	23
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.0371	23
SPS	CARLSBAD 69KV	18	0.01339	AEWP	COGENTRIX 345KV	965	0.05051	-0.03712	23
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03878	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03798	23
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	OKJGE	AES 161KV	320	0.028	-0.03681	23
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.03696	23
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	WFEC	ANADARKO 69KV	76	0.02821	-0.03702	23
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	CELE	EVANGELINE 138KV	155	0.00854	-0.03803	23
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	CELE	EVANGELINE 230KV	194	0.00862	-0.03811	23
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03865	23
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	CELE	TECHE 138KV	276.1713	0.00758	-0.03807	23
SPS	CUNNINGHAM 115KV	71	0.01354	AEWP	COGENTRIX 345KV	965	0.05051	-0.03707	23
SPS	CUNNINGHAM 115KV	71	0.01354	AEWP	OEC 345KV	369	0.05177	-0.03823	23
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	GRDA1 345KV	220	0.04687	-0.03778	23
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	KERR 115KV	13.5	0.047	-0.03781	23
CELE	DOLET HILLS 345KV	10	0.01429	AEWP	OEC 345KV	369	0.05177	-0.03748	23
AEWP	EMPORIA ENERGY CENTER 345KV	330.01	0.01663	AEWP	TULSA POWER STATION 138KV	299	0.05412	-0.03749	23
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	LEPA	BAYOU RAMOS 138KV	39.01513	0.01016	-0.03768	23</

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	STEER WATER 115KV	80	0.01094	-0.03821	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.03732	23
LEPA	IRION SUB 230KV	19	0.00648	GRDA	BOOMER 69KV	24	0.04383	-0.03765	23
LEPA	IRION SUB 230KV	19	0.00648	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03672	23
LEPA	IRION SUB 230KV	19	0.00648	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03681	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03751	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03686	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03761	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	LEPA	IRION SUB 230KV	25	0.00648	-0.03685	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.03037	CELE	TECHE 138KV	276.1713	0.00758	-0.03795	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03748	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03762	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.0378	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	LEPA	IRION SUB 230KV	25	0.00648	-0.03682	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.03034	CELE	TECHE 138KV	276.1713	0.00758	-0.03792	23
SWPA	JONESBORO 161KV	12.5	0.00131	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03696	23
SWPA	KENNETT 69KV	29	-0.00106	SWPA	EUFULA 138KV	51.7327	0.0363	-0.03738	23
SWPA	KENNETT 69KV	29	-0.00106	SWPA	EUFULA 161KV	70.60814	0.0363	-0.03736	23
AEWP	KNOXLEE 138KV	139	0.01653	AEWP	TULSA POWER STATION 138KV	299	0.06412	-0.03759	23
EMDE	LARUSSEL 161KV	196	-0.01147	OKGEE	CENTENAL WIND 34KV	16	0.02644	-0.03791	23
EMDE	LARUSSEL 161KV	196	-0.01147	OKGEE	FWLWND2 34KV	8	0.02634	-0.03781	23
EMDE	LARUSSEL 161KV	196	-0.01147	WFEC	HUGO 138KV	450	0.02659	-0.03806	23
EMDE	LARUSSEL 161KV	196	-0.01147	WFEC	MORLND 138KV	320	0.02634	-0.03781	23
EMDE	LARUSSEL 161KV	196	-0.01147	OKGEE	SOONER 345KV	537	0.02681	-0.03828	23
EMDE	LARUSSEL 161KV	196	-0.01147	AEWP	WEATHERFORD 34KV	12	0.02594	-0.03741	23
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03764	23
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	LEPA	IRION SUB 230KV	25	0.00648	-0.03793	23
AEWP	LEBROCK 345KV	532	0.01658	AEWP	TULSA POWER STATION 138KV	299	0.06412	-0.03754	23
AEWP	LOMESTAR POWER PLANT 69KV	50	0.01725	AEWP	TULSA POWER STATION 138KV	299	0.06412	-0.03687	23
SPS	LP-HOL2 69KV	154	0.01461	AEWP	OEC 345KV	369	0.05177	-0.03716	23
SPS	LP-MACK2 69KV	20	0.01462	AEWP	OEC 345KV	369	0.05177	-0.03715	23
SPS	MADOX 115KV	75	0.01354	AEWP	COGENTRIX 345KV	965	0.05051	-0.03697	23
SPS	MADOX 115KV	75	0.01354	AEWP	OEC 345KV	369	0.05177	-0.03823	23
SWPA	MALDEN 69KV	10	-0.00192	SWPA	EUFULA 138KV	51.7327	0.0363	-0.03822	23
SWPA	MALDEN 69KV	10	-0.00192	SWPA	EUFULA 161KV	70.60814	0.0363	-0.03822	23
SWPA	MOORE COUNTY 115KV	48	0.0097	GRDA	GRDA1 345KV	220	0.04697	-0.03727	23
SPS	MOORE COUNTY 115KV	48	0.0097	GRDA	KERR 115KV	13.5	0.047	-0.0373	23
CELE	NATCHITOCHES 69KV	43	0.01093	GRDA	KERR 161KV	13.5	0.04813	-0.0372	23
CELE	NATCHITOCHES 69KV	43	0.01093	GRDA	SALINA 161KV	37.61368	0.04813	-0.0372	23
SPS	NICHOLS 115KV	101.0044	0.01036	GRDA	KERR 161KV	13.5	0.04813	-0.03777	23
SPS	NICHOLS 115KV	101.0044	0.01036	GRDA	SALINA 161KV	37.61368	0.04813	-0.03777	23
SPS	NICHOLS 230KV	244	0.01004	GRDA	GRDA1 345KV	220	0.04697	-0.03693	23
SPS	NICHOLS 230KV	244	0.01004	GRDA	KERR 115KV	13.5	0.047	-0.03823	23
SPS	NICHOLS 230KV	244	0.01004	GRDA	KERR 161KV	13.5	0.04813	-0.03803	23
SPS	NICHOLS 230KV	244	0.01004	GRDA	SALINA 161KV	37.61368	0.04813	-0.03809	23
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03797	23
AEWP	PIRKEY GENERATION 138KV	45	0.01657	AEWP	TULSA POWER STATION 138KV	299	0.06412	-0.03755	23
SPS	PLANTX 115KV	48	0.01293	AEWP	COGENTRIX 345KV	965	0.05051	-0.03768	23
SPS	PLANTX 115KV	48	0.01293	GRDA	GRDA1 161KV	125.9606	0.04991	-0.03698	23
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	REBUD 345KV	150	0.03371	-0.03736	23
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	SOONER 138KV	535	0.03347	-0.03712	23
EMDE	RIVERTON 161KV	95	-0.01118	OKGEE	CENTENAL WIND 34KV	16	0.02644	-0.03762	23
EMDE	RIVERTON 161KV	95	-0.01118	OKGEE	FWLWND2 34KV	8	0.02634	-0.03752	23
EMDE	RIVERTON 161KV	95	-0.01118	WFEC	HUGO 138KV	450	0.02659	-0.03777	23
EMDE	RIVERTON 161KV	95	-0.01118	WFEC	MORLND 138KV	320	0.02634	-0.03752	23
EMDE	RIVERTON 161KV	95	-0.01118	OKGEE	SOONER 345KV	537	0.02681	-0.03799	23
EMDE	RIVERTON 161KV	95	-0.01118	AEWP	WEATHERFORD 34KV	12	0.02594	-0.03712	23
EMDE	RIVERTON 69KV	16.10794	0.0082	AEWP	FLINT CREEK 161KV	400	0.02964	-0.03784	23
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKGEE	SPGCK384 13.200 345KV	78	0.02964	-0.03784	23
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	GRDA1 345KV	220	0.04697	-0.03784	23
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	KERR 115KV	13.5	0.047	-0.03685	23
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	KERR 161KV	13.5	0.04813	-0.03798	23
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	SALINA 161KV	37.61368	0.04813	-0.03798	23
CELE	RODEMACHER 230KV	296	0.00943	GRDA	GRDA1 345KV	220	0.04697	-0.03754	23
CELE	RODEMACHER 230KV	296	0.00943	GRDA	KERR 115KV	13.5	0.047	-0.03757	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	BLACKHAWK 115KV	84	0.01015	-0.03822	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	CELE	EVANGELINE 230KV	194	0.00862	-0.03669	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	HANSFORD 115KV	80	0.00998	-0.03805	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	HARRINGTON 230KV	1066	0.00996	-0.03803	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	HARRISBURG 230KV	101	0.01016	-0.03818	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	CELE	RODEMACHER 230KV	891	0.00943	-0.0375	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	SIDRCH 69KV	20	0.01016	-0.03823	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	SPERMAN 69KV	10	0.01002	-0.03809	23
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.03758	23
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03764	23
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	LEPA	IRION SUB 230KV	25	0.00648	-0.03763	23
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03824	23
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03759	23
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	LEPA	IRION SUB 230KV	25	0.00648	-0.03766	23
SPS	TOLK 230KV	65.20627	0.01304	AEWP	COGENTRIX 345KV	965	0.05051	-0.03747	23
SPS	TOLK 230KV	65.20627	0.01304	GRDA	GRDA1 161KV	125.9606	0.04991	-0.03687	23
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	JONES 230KV	486	0.01458	-0.03675	23
SWPA	TRUMAN 161KV	76.53462	-0.02217	AEWP	LIEBERMAN 138KV	156	0.01571	-0.03788	23
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	LP-BND2 69KV	20	0.01462	-0.03688	23
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	LP-MACK2 69KV	60	0.01462	-0.03679	23
SPS	TUCUMCARI 115KV	15	0.0128	AEWP	COGENTRIX 345KV	965	0.05051	-0.03771	23
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	GRDA1 161KV	125.9606	0.04991	-0.03711	23
WERE	WACO 138KV	30	-0.03104	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03818	23
WERE	WACO 138KV	30	-0.03104	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03753	23
WERE	WACO 138KV	30	-0.03104	LEPA	IRION SUB 230KV	25	0.00648	-0.03752	23
AEWP	WILKES 138KV	41.26495	0.01711	AEWP	TULSA POWER STATION 138KV	299	0.06412	-0.03702	23
CELE	ACADIA 138KV	1322	0.00789	GRDA	BOOMER 69KV	24	0.04383	-0.03594	24
CELE	ACADIA 138KV	1322	0.00789	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03594	24
CELE	ACADIA 138KV	1322	0.00789	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03564	24
AEWP	ARSENAL HILL 69KV	110	0.01548	AEWP	OEC 345KV	369	0.05177	-0.03629	24
EMDE	ASBURY 161KV	20	-0.02936	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.0366	24
EMDE	ASBURY 161KV	20	-0.02936	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03665	24
EMDE	ASBURY 161KV	20	-0.02936	LEPA	IRION SUB 230KV	25	0.00648	-0.03584	24
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03606	24
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03615	24
SWPA	BEAVER 161KV	20.10843	0.01191	GRDA	KERR 161KV	13.5	0.04813	-0.03622	24
WERE	BEAVER 161KV	20.10843	0.01191	GRDA	SALINA 161KV	37.61368	0.04813	-0.03622	24
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	CELE	EVANGELINE 138KV	155	0.00854	-0.03614	24
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	CELE	EVANGELINE 230KV	194	0.00862	-0.03622	24
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276						

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	CELE	EVANGELINE 138KV	155	0.00854	-0.03581	24
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	CELE	EVANGELINE 230KV	194	0.00862	-0.03589	24
SWPA	KENNETT 69KV	29	-0.00106	GRDA	PENSACOLA 161KV	33	0.03464	-0.03627	24
AEPW	KNOXLEE 138KV	139	0.01653	AEPW	DEC 345KV	369	0.05177	-0.03524	24
EMDE	LARUSSEL 161KV	196	-0.01147	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.03664	24
EMDE	LARUSSEL 161KV	196	-0.01147	AEPW	FITZHUGH 161KV	109	0.02436	-0.03583	24
AEPW	LARUSSEL 161KV	196	-0.01147	SWPA	OZARK 161KV	151.403	0.02435	-0.03582	24
AEPW	LEBRACK 345KV	532	0.01659	AEPW	DEC 345KV	369	0.05177	-0.03519	24
AEPW	LIEBERMAN 138KV	72	0.01571	AEPW	DEC 345KV	369	0.05177	-0.03606	24
SPS	LP-HOLL2 69KV	154	0.01461	AEPW	COGENTRIX 345KV	965	0.05051	-0.03599	24
SPS	LP-HOLL2 69KV	154	0.01461	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03553	24
SPS	LP-MACK2 69KV	20	0.01462	AEPW	COGENTRIX 345KV	965	0.05051	-0.03564	24
SPS	LP-MACK2 69KV	20	0.01462	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03529	24
SPS	MADDOX 115KV	75	0.01354	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03637	24
SWPA	MALDEN 69KV	10	-0.00192	GRDA	PENSACOLA 161KV	33	0.03464	-0.03656	24
SWPA	MALDEN 69KV	10	-0.00192	OKGEE	REDBUD 345KV	190	0.03371	-0.03563	24
SWPA	MALDEN 69KV	10	-0.00192	OKGEE	SOONER 138KV	535	0.03347	-0.03539	24
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	GRDA1 345KV	220	0.04697	-0.03604	24
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	KERR 115KV	13.5	0.047	-0.03607	24
SPS	NICHOLS 115KV	101.0044	0.01036	GRDA	GRDA1 345KV	220	0.04697	-0.03661	24
SPS	NICHOLS 115KV	101.0044	0.01036	GRDA	KERR 115KV	13.5	0.047	-0.03664	24
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.036	24
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.036	24
AEPW	PIRKEY GENERATION 138KV	45	0.01657	AEPW	DEC 345KV	369	0.05177	-0.0352	24
SPS	PLANTX 115KV	48	0.01293	GRDA	KERR 161KV	13.5	0.04813	-0.0352	24
SPS	PLANTX 115KV	48	0.01293	GRDA	SALINA 161KV	37.61368	0.04813	-0.03519	24
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	HORSESHOE LAKE 138KV	796	0.03227	-0.03592	24
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	HORSESHOE LAKE 69KV	16	0.03299	-0.03664	24
EMDE	RIVERTON 161KV	95	-0.01118	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.03635	24
EMDE	RIVERTON 161KV	95	-0.01118	AEPW	FITZHUGH 161KV	109	0.02436	-0.03554	24
EMDE	RIVERTON 161KV	95	-0.01118	SWPA	OZARK 161KV	151.403	0.02435	-0.03553	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	OKGEE	AES 161KV	320	0.028	-0.0362	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.03635	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	WFEC	ANADARKO 69KV	76	0.02821	-0.03641	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	COMANCHE 138KV	145	0.02734	-0.03524	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	COMANCHE 69KV	60	0.0275	-0.0357	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.03604	24
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.03604	24
WERE	SOUTH SENECA 115KV	8.2	-0.02807	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03521	24
WERE	SOUTH SENECA 115KV	8.2	-0.02807	CELE	EVANGELINE 138KV	155	0.00854	-0.03661	24
WERE	SOUTH SENECA 115KV	8.2	-0.02807	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03553	24
WERE	SOUTH SENECA 115KV	8.2	-0.02807	CELE	TECHE 138KV	276.1713	0.00758	-0.03565	24
CELE	TECHE 138KV	95.82867	0.00758	GRDA	BOOMER 69KV	24	0.04383	-0.03625	24
CELE	TECHE 138KV	95.82867	0.00758	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03562	24
CELE	TECHE 138KV	95.82867	0.00758	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03571	24
CELE	TECHE 34KV	23	0.00758	GRDA	BOOMER 69KV	1548	0.04329	-0.03571	24
CELE	TECHE 34KV	23	0.00758	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03562	24
CELE	TECHE 34KV	23	0.00758	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03571	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	CUNNINGHAM 115KV	110	0.01354	-0.03571	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	CUNNINGHAM 230KV	306	0.01351	-0.03568	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	CELE	DOLET HILLS 345KV	370	0.01429	-0.03646	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	HOBBS PLT21 18.000 115KV	10299	0.01354	-0.03571	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	HOBBS PLT31 18.000 230KV	202	0.01304	-0.03521	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	MADDOX 115KV	118	0.01354	-0.03571	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	MUSTANG 115KV	300	0.0136	-0.03577	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	MUSTANG 230KV	460	0.01355	-0.03572	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	SAN JUAN 230KV	720	0.01308	-0.03525	24
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	TOLK 230KV	1014.794	0.01304	-0.03521	24
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	KERR 161KV	13.5	0.04813	-0.03533	24
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	KERR 161KV	37.61368	0.04813	-0.03533	24
AEPW	ARSENAL HILL 69KV	110	0.01548	AEPW	COGENTRIX 345KV	965	0.05051	-0.03503	24
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03443	24
SWPA	BEAVER 161KV	20.10843	0.01191	GRDA	GRDA1 345KV	220	0.04697	-0.03506	25
SWPA	BEAVER 161KV	20.10843	0.01191	GRDA	KERR 115KV	13.5	0.047	-0.03509	25
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03474	25
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03408	25
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03506	25
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.0276	LEPA	IRION SUB 230KV	25	0.00648	-0.03408	25
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	HORSESHOE LAKE 69KV	16	0.03299	-0.03379	25
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	REDBUD 345KV	150	0.03371	-0.03451	25
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	SOONER 138KV	535	0.03347	-0.03427	25
SPS	CARLSBAD 69KV	18	0.01338	GRDA	KERR 161KV	13.5	0.04813	-0.03474	25
SPS	CARLSBAD 69KV	18	0.01338	GRDA	SALINA 161KV	37.61368	0.04813	-0.03474	25
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	BROKEN BOW 138KV	94.67681	0.02517	-0.03398	25
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	WFEC	MORLAND 138KV	320	0.02634	-0.03515	25
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEPW	WEATHERFORD 34KV	12	0.02594	-0.03459	25
SPS	CUNNINGHAM 115KV	71	0.01354	GRDA	KERR 161KV	13.5	0.04813	-0.03459	25
SPS	CUNNINGHAM 115KV	71	0.01354	GRDA	SALINA 161KV	37.61368	0.04813	-0.03459	25
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	GRDA	BOOMER 69KV	24	0.04383	-0.03464	25
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03401	25
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.0341	25
CELE	DOLET HILLS 345KV	10	0.01429	GRDA	KERR 161KV	13.5	0.04813	-0.03384	25
CELE	DOLET HILLS 345KV	10	0.01429	GRDA	SALINA 161KV	37.61368	0.04813	-0.03384	25
AEPW	EASTMAN 138KV	330.01	0.01663	AEPW	COGENTRIX 345KV	965	0.05051	-0.03398	25
AEPW	EASTMAN 138KV	330.01	0.01663	AEPW	DEC 345KV	369	0.05177	-0.03459	25
CELE	EVANGELINE 138KV	157	0.00854	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03466	25
CELE	EVANGELINE 138KV	157	0.00854	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03475	25
CELE	EVANGELINE 230KV	231	0.00862	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03458	25
CELE	EVANGELINE 230KV	231	0.00862	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03467	25
AEPW	FULTON 115KV	32.99999	0.01502	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03489	25
WERE	GETTY 69KV	35	-0.04699	SWPA	CARTHAGE 69KV	32	-0.01183	-0.03516	25
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03442	25
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03474	25
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	CELE	TECHE 138KV	276.1713	0.00758	-0.03466	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	LEPA	BAYOU RAMOS 138KV	39.01513	0.00714	-0.03441	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	SWPA	GREERS FERRY 161KV	94.67681	0.00746	-0.03473	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	CELE	TECHE 138KV	276.1713	0.00758	-0.03466	25
SWPA	JONESBORO 161KV	12.5	0.00131	SWPA	EUFALLA 138KV	51.7327	0.0363	-0.03499	25
SWPA	JONESBORO 161KV	12.5	0.00131	SWPA	EUFALLA 161KV	70.60814	0.0363	-0.03499	25
SWPA	KENNETT 69KV	29	-0.00106	OKGEE	HORSESHOE LAKE 69KV	16	0.03299	-0.03405	25
SWPA	KENNETT 69KV	29	-0.00106	OKGEE	REDBUD 345KV	150	0.03371	-0.03457	25
SWPA	KENNETT 69KV	29	-0.00106	OKGEE	SOONER 138KV	535	0.03347	-0.03423	25
AEPW	KNOXLEE 138KV	139	0.01653	AEPW	COGENTRIX 345KV	965	0.05051	-0.03398	25
AEPW	LEBRACK 345								

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

SWPA	TRUMAN 161KV	76.53462	-0.02217	SFS	CAPROCK 0KV	80	0.0128	-0.03497	25
SWPA	TRUMAN 161KV	76.53462	-0.02217	SFS	PLANTX 115KV	205	0.01283	-0.0351	25
SWPA	TRUMAN 161KV	76.53462	-0.02217	SFS	PLANTX 230KV	189	0.01281	-0.03498	25
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	GRDA1 345KV	220	0.04697	-0.03417	25
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	KERR 115KV	13.5	0.047	-0.0342	25
AEPW	WILKES 138KV	41.26495	0.0171	AEPW	OEC 345KV	369	0.06177	-0.03467	25
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	KERR 115KV	13.5	0.04813	-0.03365	25
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	SALINA 161KV	37.61368	0.04813	-0.03365	25
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03299	25
LEPA	BAYOU RAMOS 138KV	18.98487	0.00714	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03299	25
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	HORSESHOE LAKE 138KV	796	0.03227	-0.03307	25
SPS	CARLSBAD 69KV	18	0.01339	GRDA	GRDA1 345KV	220	0.04697	-0.03368	25
SPS	CARLSBAD 69KV	18	0.01339	GRDA	KERR 115KV	13.5	0.047	-0.03361	25
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	AEPW	FITZHUGH 161KV	109	0.02436	-0.03317	25
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00881	SWPA	OZARK 161KV	151.403	0.02435	-0.03316	25
SPS	CUNNINGHAM 115KV	71	0.01354	GRDA	GRDA1 345KV	220	0.04697	-0.03343	25
SPS	CUNNINGHAM 115KV	71	0.01354	GRDA	KERR 115KV	13.5	0.047	-0.03346	25
CELE	DOLET HILLS 345KV	10	0.01429	GRDA	GRDA1 345KV	220	0.04697	-0.03268	25
CELE	DOLET HILLS 345KV	10	0.01429	GRDA	KERR 115KV	13.5	0.047	-0.03271	25
AEPW	EASTMAN 138KV	330.01	0.01663	GRDA	KERR 161KV	125.9806	0.04991	-0.03328	25
AEPW	FITZHUGH 161KV	17	0.02436	AEPW	KEYSTONE DAM 161KV	152.202	0.05684	-0.03326	25
AEPW	FITZHUGH 161KV	17	0.02436	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.03258	25
AEPW	FULTON 115KV	32.99999	0.01502	GRDA	KERR 161KV	13.5	0.04813	-0.03311	25
AEPW	FULTON 115KV	32.99999	0.01502	GRDA	SALINA 161KV	37.61368	0.04813	-0.03311	25
SWPA	GREENS FERRY 161KV	15.32319	0.00746	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03267	25
SWPA	GREENS FERRY 161KV	15.32319	0.00746	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03267	25
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03377	25
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.02728	LEPA	IRION SUB 230KV	25	0.00648	-0.03376	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	LEPA	CITY OF HOLMA SUB 115KV	84	0.00649	-0.03376	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.02727	LEPA	IRION SUB 230KV	25	0.00648	-0.03376	25
LEPA	IRION SUB 230KV	19	0.00648	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03365	25
LEPA	IRION SUB 230KV	19	0.00648	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03365	25
SWPA	JONESBORO 161KV	12.5	0.00131	GRDA	PENSAOLA 161KV	33	0.03464	-0.03333	25
SWPA	KENNETT 69KV	29	-0.00106	OKGEE	HORSESHOE LAKE 138KV	796	0.03227	-0.03333	25
SWPA	KENNETT 69KV	29	-0.00106	OKGEE	SEMINOLE 138KV	345.6682	0.03147	-0.03326	25
AEPW	KNOXLEE 138KV	139	0.01653	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03338	25
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03276	25
AEPW	LEBROCK 345KV	532	0.01658	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03333	25
AEPW	LONESTAR POWER PLANT 69KV	50	0.01725	AEPW	COGENTRIX 345KV	965	0.05051	-0.03326	25
AEPW	LONESTAR POWER PLANT 69KV	50	0.01725	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03266	25
SPS	LP-HOLL2 69KV	154	0.01461	GRDA	KERR 161KV	13.5	0.04813	-0.03352	25
SPS	LP-HOLL2 69KV	154	0.01461	GRDA	SALINA 161KV	37.61368	0.04813	-0.03352	25
SPS	LP-MACK2 69KV	20	0.01462	GRDA	KERR 161KV	13.5	0.04813	-0.03351	25
SPS	LP-MACK2 69KV	20	0.01462	GRDA	SALINA 161KV	37.61368	0.04813	-0.03351	25
SPS	MADDOX 115KV	75	0.01354	GRDA	GRDA1 345KV	220	0.04697	-0.03343	25
SPS	MADDOX 115KV	75	0.01354	GRDA	KERR 115KV	13.5	0.047	-0.03346	25
SWPA	MALDEN 69KV	10	-0.00192	OKGEE	SEMINOLE 138KV	345.6682	0.03147	-0.03339	25
SWPA	MALDEN 69KV	10	-0.00192	OKGEE	SEMINOLE 345KV	1019	0.03116	-0.03328	25
SWPA	MALDEN 69KV	10	-0.00192	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.03313	25
SPS	MOORE COUNTY 115KV	48	0.0097	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.0335	25
SPS	MOORE COUNTY 115KV	48	0.0097	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03359	25
CELE	NATCHITOCHEES 69KV	43	0.01093	GRDA	BOOMER 69KV	24	0.04383	-0.0329	25
SPS	NICHOLS 115KV	101.0044	0.01036	OKGEE	BOOMER 69KV	24	0.04383	-0.03247	25
SPS	NICHOLS 115KV	101.0044	0.01036	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03284	25
SPS	NICHOLS 115KV	101.0044	0.01036	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03293	25
SPS	NICHOLS 230KV	244	0.01004	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03316	25
SPS	NICHOLS 230KV	244	0.01004	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03325	25
SWPA	OZARK 161KV	44.097	0.02435	AEPW	KEYSTONE DAM 161KV	152.202	0.05684	-0.03259	25
SWPA	OZARK 161KV	44.097	0.02435	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.03259	25
SWPA	PARAGOULD 69KV	12	0.0003	OKGEE	HORSESHOE LAKE 69KV	16	0.03299	-0.03261	25
SWPA	PARAGOULD 69KV	12	0.0003	OKGEE	REDBUD 345KV	150	0.03371	-0.03349	25
SWPA	PARAGOULD 69KV	12	0.0003	OKGEE	SOOMER 138KV	535	0.03347	-0.03317	25
AEPW	PIRKEY GENERATION 138KV	45	0.01657	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03334	25
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	FLINT CREEK 161KV	400	0.02994	-0.03359	25
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	SPGCK182 13 200 345KV	78	0.02964	-0.03329	25
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGEE	SPGCK84 13 200 345KV	11.89999	0.02964	-0.03337	25
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	BROKEN BOW 138KV	94.87691	0.02147	-0.03255	25
EMDE	RIVERTON 69KV	16.10794	-0.0082	AEPW	FITZHUGH 161KV	109	0.02436	-0.03256	25
EMDE	RIVERTON 69KV	16.10794	-0.0082	SWPA	OZARK 161KV	151.403	0.02435	-0.03255	25
SPS	RIVERVIEW 69KV	23	0.01015	GRDA	BOOMER 69KV	24	0.04383	-0.03368	25
SPS	RIVERVIEW 69KV	23	0.01015	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03311	25
SPS	RIVERVIEW 69KV	23	0.01015	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03314	25
CELE	RODEMACHER 230KV	296	0.00943	OKGEE	MUSKOGEE 161KV	166	0.0432	-0.03377	25
CELE	TECHE 138KV	95.82867	0.00758	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03255	25
CELE	TECHE 138KV	95.82867	0.00758	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03255	25
CELE	TECHE 34KV	23	0.00758	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03255	25
CELE	TECHE 34KV	23	0.00758	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03255	25
SWPA	TRUMAN 161KV	76.53462	-0.02217	SFS	CZ 69KV	39	0.01156	-0.03373	25
SWPA	TRUMAN 161KV	76.53462	-0.02217	SFS	NICHOLS 115KV	111.9999	0.01036	-0.03253	25
WERE	TRUMAN 161KV	76.53462	-0.02217	SFS	STEER WATER 115KV	80	0.0109	-0.03311	25
AEPW	WILKES 138KV	41.26495	0.0171	AEPW	COGENTRIX 345KV	965	0.05051	-0.03341	25
AEPW	WILKES 138KV	41.26495	0.0171	GRDA	GRDA1 161KV	125.9806	0.04991	-0.03281	25
CELE	ACADIA 138KV	1322	0.00789	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03224	27
CELE	ACADIA 138KV	1322	0.00789	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03224	27
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	GRDA1 345KV	220	0.04697	-0.03140	27
AEPW	ARSENAL HILL 69KV	110	0.01548	GRDA	KERR 115KV	13.5	0.047	-0.03152	27
SWPA	BEAVER 161KV	20.10843	0.01191	GRDA	BOOMER 69KV	24	0.04383	-0.03192	27
SWPA	BEAVER 161KV	20.10843	0.01191	OKGEE	MUSKOGEE 345KV	1548	0.04329	-0.03138	27
SWPA	BROKEN BOW 138KV	15.32319	0.02517	SWPA	KEYSTONE DAM 161KV	152.202	0.05684	-0.03177	27
SWPA	BROKEN BOW 138KV	15.32319	0.02517	AEPW	NORTHEASTERN STATION 345KV	625	0.05694	-0.03177	27
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.03135	27
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	SEMINOLE 138KV	345.6682	0.03147	-0.03227	27
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	SEMINOLE 345KV	1019	0.03116	-0.03196	27
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGEE	SMITH COGEN 138KV	107	0.03056	-0.03187	27
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.03201	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.03975	EMDE	RIVERTON 69KV	51.8206	-0.0082	-0.03155	27
AEPW	EASTMAN 138KV	330.01	0.01663	GRDA	KERR 161KV	13.5	0.04813	-0.0315	27
AEPW	EASTMAN 138KV	330.01	0.01663	GRDA	SALINA 161KV	37.61368	0.04813	-0.0315	27
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.03054	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03185	27
CELE	EVANGELINE 138KV	157	0.00854	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03159	27
CELE	EVANGELINE 138KV	157	0.00854	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03159	27
CELE	EVANGELINE 230KV	231	0.00862	OMPA	OMPA-KAW 69KV	19.7	0.04013	-0.03151	27
CELE	EVANGELINE 230KV	231	0.00862	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03151	27

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

Source	Relief Amount	Aggregate Relief Amount	Source	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	MALDEN 69KV	10	-0.00192	OKGGE	SPGCK384 13200 345KV	1189999	0.02964	-0.03156
CELE	NATCHITOCHEES 69KV	43	0.01093	OKGGE	MUSKOGEE 161KV	166	0.0432	-0.03227
CELE	NATCHITOCHEES 69KV	43	0.01093	OKGGE	MUSKOGEE 345KV	1548	0.04329	-0.03226
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	HORSESHOE LAKE 138KV	796	0.03227	-0.03197
AEPW	PIRKEY GENERATION 138KV	45	0.01657	GRDA	KERR 161KV	13.5	0.04813	-0.03156
AEPW	PIRKEY GENERATION 138KV	45	0.01657	GRDA	SALINA 161KV	37.61368	0.04813	-0.03156
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	ANADARKO 69KV	220	0.0228	-0.03165
SWPA	POPLAR BLUFF 69KV	13	-0.00365	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.0318
SWPA	POPLAR BLUFF 69KV	13	-0.00365	WFEC	ANADARKO 69KV	76	0.02821	-0.03186
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	SOUTHWESTERN STATION 138KV	322	0.02784	-0.03149
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	SOUTHWESTERN STATION 138KV	1046	0.02784	-0.03149
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03246
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03241
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	BLACKHAWK 115KV	220	0.01015	-0.03232
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	HANSFORD 115KV	80	0.00989	-0.03215
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	HARRINGTON 230KV	1066	0.00989	-0.03213
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	HUBERC2 69KV	11	0.01016	-0.03233
SWPA	TRUMAN 161KV	76.53462	-0.02217	CELE	RODEMACHER 230KV	891	0.00943	-0.0318
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	SIDRCH 69KV	20	0.01016	-0.03233
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	SPEARMAN 69KV	10	0.01002	-0.03219
SWPA	TRUMAN 161KV	76.53462	-0.02217	SPS	TEXAS COUNTY 115KV	20	0.00993	-0.0321
WERE	WACO 138KV	30	-0.03104	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03235
CELE	ACADIA 138KV	1322	0.00789	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03038
EMDE	ASBURY 161KV	20	-0.02936	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03067
LEPA	BAVUD RAMOS 138KV	18.88487	0.00714	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03113
SWPA	BEAVER 161KV	20.10843	0.0191	OKGGE	MUSKOGEE 161KV	166	0.0432	-0.03129
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	SWPA	DENISON 138KV	60.32151	0.03017	-0.03097
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	AEPW	FLINT CREEK 161KV	400	0.02994	-0.03074
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGGE	MCCLAIN 138KV	470	0.03051	-0.03131
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGGE	MUSTANG 138KV	351	0.03046	-0.03126
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGGE	MUSTANG 69KV	74.3252	0.03047	-0.03127
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGGE	SPGCK182 13200 345KV	78	0.02964	-0.03044
SWPA	BULL SHOALS 161KV	107.3672	-0.0008	OKGGE	SPGCK384 13200 345KV	1189999	0.02964	-0.03044
SPS	CARLSBAD 69KV	18	0.01339	GRDA	BOOMER 69KV	24	0.04383	-0.03044
WERE	CITY OF AUGUSTA 69KV	17.04	-0.03975	WERE	CITY OF WINFIELD 69KV	12.69001	0.00881	-0.03021
WERE	CITY OF BURLINGTON 69KV	13.7	-0.03979	EMDE	RIVERTON 69KV	51.89206	-0.0082	-0.03059
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.02949	SWPA	JONESBORO 161KV	50.5	0.00131	-0.0308
SPS	CUNNINGHAM 115KV	71	0.01354	GRDA	BOOMER 69KV	24	0.04383	-0.03029
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	SWPA	OMPA-KAW 69KV	16.7	0.04013	-0.03078
CELE	D.G. HUNTER POWER STATION 138KV	156.3	0.00919	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03094
AEPW	EASTMAN 138KV	330.01	0.01663	GRDA	GRDA1 345KV	220	0.04697	-0.03034
AEPW	EASTMAN 138KV	330.01	0.01663	GRDA	KERR 115KV	13.5	0.047	-0.03037
WERE	EVANS ENERGY CENTER 138KV	38	-0.02994	SWPA	JONESBORO 161KV	50.5	0.00131	-0.03125
WERE	GETTY 69KV	261	-0.04689	SWPA	CLEARANCE CANYON DAM 69KV	39.9352	-0.0163	-0.03069
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03117	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03037
SWPA	GREERS FERRY 161KV	15.32319	0.00746	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03081
SWPA	JONESBORO 161KV	12.5	0.00131	OKGGE	HORSESHOE LAKE 138KV	796	0.03227	-0.03096
SWPA	KENNETT 69KV	29	-0.00106	SWPA	DENISON 138KV	60.32151	0.03017	-0.03123
SWPA	KENNETT 69KV	29	-0.00106	AEPW	FLINT CREEK 161KV	400	0.02994	-0.031
SWPA	KENNETT 69KV	29	-0.00106	OKGGE	SPGCK182 13200 345KV	78	0.02964	-0.0307
SWPA	KENNETT 69KV	29	-0.00106	OKGGE	SPGCK384 13200 345KV	1189999	0.02964	-0.0307
AEPW	KNOXLEE 138KV	139	0.01653	GRDA	GRDA1 345KV	220	0.04697	-0.03044
AEPW	KNOXLEE 138KV	139	0.01653	GRDA	KERR 115KV	13.5	0.047	-0.03038
WERE	LAWRENCE ENERGY CENTER 230KV	35.05243	-0.03145	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03065
AEPW	LEBROCK 345KV	532	0.01658	GRDA	GRDA1 345KV	220	0.04697	-0.03039
AEPW	LEBROCK 345KV	532	0.01658	GRDA	KERR 115KV	13.5	0.047	-0.03042
AEPW	LIEBERMAN 138KV	72	0.01571	GRDA	GRDA1 345KV	220	0.04697	-0.03126
AEPW	LIEBERMAN 138KV	72	0.01571	GRDA	KERR 115KV	13.5	0.047	-0.03129
AEPW	LONESTAR POWER PLANT 69KV	50	0.01725	GRDA	KERR 161KV	13.5	0.04813	-0.03088
AEPW	LONESTAR POWER PLANT 69KV	50	0.01725	GRDA	SALINA 161KV	37.61368	0.04813	-0.03088
SPS	MADDOX 115KV	75	0.01354	GRDA	BOOMER 69KV	24	0.04383	-0.03029
SPS	MOORE COUNTY 115KV	48	0.0097	OMPA	OMPA-KAW 69KV	16.7	0.04013	-0.03078
SPS	MOORE COUNTY 115KV	48	0.0097	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03043
SWPA	PARAGOULD 69KV	12	0.0003	SWPA	ROBERT S. KERR 161KV	317.7865	0.03055	-0.03025
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	SEMINOLE 138KV	345.6682	0.03147	-0.03117
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	SEMINOLE 161KV	1019	0.03116	-0.03086
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	SMITH COGEN 138KV	107	0.03056	-0.03026
SWPA	PARAGOULD 69KV	12	0.0003	AEPW	TONTITOWN 161KV	163.8579	0.03121	-0.03091
AEPW	PIRKEY GENERATION 138KV	45	0.01657	GRDA	GRDA1 345KV	220	0.04697	-0.03034
AEPW	PIRKEY GENERATION 138KV	45	0.01657	GRDA	KERR 115KV	13.5	0.047	-0.03043
SPS	PLANTX 115KV	48	0.01293	GRDA	BOOMER 69KV	24	0.04383	-0.0309
SPS	PLANTX 115KV	48	0.01293	OKGGE	MUSKOGEE 161KV	166	0.0432	-0.03027
SPS	PLANTX 115KV	48	0.01293	OKGGE	MUSKOGEE 345KV	1548	0.04329	-0.03036
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	COMANCHE 138KV	145	0.02734	-0.03099
SWPA	POPLAR BLUFF 69KV	13	-0.00365	AEPW	COMANCHE 69KV	60	0.0275	-0.03115
SWPA	POPLAR BLUFF 69KV	13	-0.00365	WFEC	HUSO 138KV	450	0.02659	-0.03024
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGGE	SOONER 345KV	537	0.02681	-0.03046
EMDE	RIVERTON 161KV	95	-0.01118	AEPW	NARROWS 69KV	22	0.01992	-0.0311
CELE	RODEMACHER 230KV	296	0.00943	OMPA	OMPA-KAW 69KV	16.7	0.04013	-0.0307
CELE	RODEMACHER 230KV	296	0.00943	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.0307
CELE	TECHE 138KV	95.82867	0.00758	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03069
CELE	TECHE 34KV	23	0.00758	SWPA	WEBBERS FALLS 161KV	39.54854	0.03827	-0.03069
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.03115	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03035
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.03111	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.0303
SPS	TOLK 230KV	65.20627	0.01304	OKGGE	BOOMER 69KV	24	0.04383	-0.03123
SPS	TOLK 230KV	65.20627	0.01304	OKGGE	MUSKOGEE 345KV	1548	0.04329	-0.03025
SWPA	TRUMAN 161KV	76.53462	-0.02217	CELE	EVANGELINE 138KV	155	0.00854	-0.03071
SWPA	TRUMAN 161KV	76.53462	-0.02217	CELE	EVANGELINE 230KV	194	0.00862	-0.03079
SPS	TUCUMCARI 115KV	15	0.0128	GRDA	BOOMER 69KV	24	0.04383	-0.03153
SPS	TUCUMCARI 115KV	15	0.0128	OKGGE	MUSKOGEE 161KV	166	0.0432	-0.03034
SPS	TUCUMCARI 115KV	15	0.0128	OKGGE	MUSKOGEE 345KV	1548	0.04329	-0.03049
WERE	WACO 138KV	30	-0.03104	SWPA	BULL SHOALS 161KV	282.2328	-0.0008	-0.03024
AEPW	WILKES 138KV	41.26495	0.0171	GRDA	KERR 161KV	13.5	0.04813	-0.03103
AEPW	WILKES 138KV	41.26495	0.0171	GRDA	SALINA 161KV	37.61368	0.04813	-0.03103
SWPA	JONESBORO 161KV	12.5	0.00131	OKGGE	SEMINOLE 138KV	345.6682	0.03147	-0.03016
SWPA	MALDEN 69KV	10	-0.00192	WFEC	ANADARKO 138KV	345.7891	0.02815	-0.03007
SWPA	MALDEN 69KV	10	-0.00192	WFEC	ANADARKO 69KV	76	0.02821	-0.03013
SPS	NICHOLS 230KV	244	0.01004	OMPA	OMPA-KAW 69KV	16.7	0.04013	-0.03078
SPS	NICHOLS 230KV	244	0.01004	OMPA	OMPA-PONCA CITY 69KV	106.8736	0.04013	-0.03009
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	MCCLAIN 138KV	470	0.03051	-0.03021
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	MUSTANG 138KV	351	0.03046	-0.03016
SWPA	PARAGOULD 69KV	12	0.0003	OKGGE	MUSTANG 69KV	74.3252	0.03047	-0.03017
SWPA	POPLAR BLUFF 69KV	13	-0.00365	OKGGE	CENTENIAL WIND 34KV	16	0.02644	-0.03009
SPS	TOLK 230KV	65.20627	0.01304	OKGGE	MUSKOGEE 161KV	166	0.0432	-0.03016

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: CRESWELL - OAK 69KV CKT 1 #1 Displacement & CRESWELL - OAK 69KV CKT 1 #2 Displacement
 Limiting Facility: CRESWELL - OAK 69KV CKT 1
 Direction: From-To
 Line Outage: CRESWELL - PARIS 69KV CKT 1
 Flowgate: 2007AG1AFS41T2073309SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	3.3	6.8	WERE	CITY OF WINFIELD 69KV	27.30999	-0.74076	OKGGE	BOOMER 138KV	535	0.01161</		

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SOONER 138KV	535	0.01153	-0.75243	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SOONER 345KV	537	0.00694	-0.74784	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	FRLWIND 34KV	27	0.0059	-0.7468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	CENTRAL WIND 34KV	6	0.00583	-0.74673	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SPGCK182 13.200 345KV	10	0.00479	-0.74569	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSTANG 138KV	193	0.00424	-0.74514	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SMITH COGEN 138KV	107	0.00421	-0.74511	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MCCLEAN 138KV	470	0.00412	-0.74501	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	HORSESHOE LAKE 138KV	352	0.00408	-0.74498	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	REDDUB 345KV	150	0.00402	-0.74492	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WEATHERFORD 34KV	12	0.00399	-0.74489	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	HORSESHOE LAKE 69KV	16	0.00398	-0.74488	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	SOUTHWESTERN STATION 138KV	230	0.00378	-0.74468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	SOUTHWESTERN STATION 138KV	646	0.00378	-0.74468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SEMINOLE 345KV	823	0.00375	-0.74465	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COMANCHE 138KV	145	0.0037	-0.7446	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COMANCHE 69KV	60	0.0037	-0.7446	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FRLWIND 34KV	252.5775	0.00369	-0.74459	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COGENTRIX 345KV	965	0.00206	-0.74296	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	TULSA POWER STATION 138KV	112	0.00206	-0.74296	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NORTHEASTERN STATION 138KV	488	0.00194	-0.74284	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSKOGEE 345KV	1948	0.00189	-0.74279	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSKOGEE 161KV	138.24	0.0018	-0.74271	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	DEC 345KV	369	0.00178	-0.74268	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NARROWS 69KV	22	0.00171	-0.74261	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WELSH 345KV	1044	0.00157	-0.74247	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WILKES 138KV	206.7309	0.0014	-0.74237	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WILKES 345KV	301.4253	0.00144	-0.74234	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	EASTMAN 138KV	155	0.00142	-0.74232	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	LEBRONCK 345KV	315	0.00142	-0.74232	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	KNOWLES 138KV	164	0.00141	-0.74231	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	PIRKEY GENERATION 138KV	213	0.00141	-0.74231	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	AES 161KV	320	0.00132	-0.74222	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	ELLIS 69KV	6	0.00128	-0.74218	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NORTHEASTERN STATION 345KV	625	0.00115	-0.74205	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FITZHUGH 161KV	120	0.00112	-0.74203	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FLINT CREEK 161KV	40	0.00097	-0.74187	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	OZARK BEACH 161KV	16	-0.0001	-0.7408	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	RIVERTON 69KV	47.61334	-0.0002	-0.7407	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	STATE LINE 161KV	528.0889	-0.00025	-0.74065	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	RIVERTON 161KV	66	-0.00022	-0.74063	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	LARUSSEL 161KV	100	-0.00033	-0.74057	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	GILL ENERGY CENTER 69KV	52	-0.0007	-0.7402	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	ASBURY 161KV	191	-0.00071	-0.74019	1

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

Upgrade: CRESWELL - OAK 69KV CKT 1 #1 Displacement & CRESWELL - OAK 69KV CKT 1 #2 Displacement
 Limiting Facility: CRESWELL - OAK 69KV CKT 1
 Direction: From->To
 Line Outage: CRESWELL - PARIS 69KV CKT 1
 Flows: 2007AG14#SH1T2080SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.4	0.8
1222932	0.4	0.8

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SOONER 138KV	535	0.01153	-0.75243	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SOONER 345KV	537	0.00694	-0.74784	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	FRLWIND 34KV	27	0.0059	-0.7468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	CENTRAL WIND 34KV	6	0.00583	-0.74673	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SPGCK182 13.200 345KV	10	0.00479	-0.74569	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSTANG 138KV	193	0.00424	-0.74514	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SMITH COGEN 138KV	107	0.00421	-0.74511	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MCCLEAN 138KV	470	0.00412	-0.74501	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	HORSESHOE LAKE 138KV	352	0.00408	-0.74498	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	REDDUB 345KV	150	0.00402	-0.74492	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WEATHERFORD 34KV	12	0.00399	-0.74489	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	HORSESHOE LAKE 69KV	16	0.00398	-0.74488	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	SOUTHWESTERN STATION 138KV	230	0.00378	-0.74468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	SOUTHWESTERN STATION 138KV	646	0.00378	-0.74468	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	SEMINOLE 345KV	823	0.00375	-0.74465	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COMANCHE 138KV	145	0.0037	-0.7446	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COMANCHE 69KV	60	0.0037	-0.7446	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FRLWIND 34KV	252.5775	0.00369	-0.74459	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	COGENTRIX 345KV	965	0.00206	-0.74296	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	TULSA POWER STATION 138KV	112	0.00206	-0.74296	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NORTHEASTERN STATION 138KV	488	0.00194	-0.74284	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSKOGEE 345KV	1948	0.00189	-0.74279	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	MUSKOGEE 161KV	138.24	0.0018	-0.74271	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	DEC 345KV	369	0.00178	-0.74268	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NARROWS 69KV	22	0.00171	-0.74261	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WELSH 345KV	1044	0.00157	-0.74247	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WILKES 138KV	206.7309	0.0014	-0.74237	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	WILKES 345KV	301.4253	0.00144	-0.74234	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	EASTMAN 138KV	155	0.00142	-0.74232	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	LEBRONCK 345KV	315	0.00142	-0.74232	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	KNOWLES 138KV	164	0.00141	-0.74231	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	PIRKEY GENERATION 138KV	213	0.00141	-0.74231	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	OKGE	AES 161KV	320	0.00132	-0.74222	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	ELLIS 69KV	6	0.00128	-0.74218	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	NORTHEASTERN STATION 345KV	625	0.00115	-0.74205	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FITZHUGH 161KV	120	0.00112	-0.74203	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	AEPW	FLINT CREEK 161KV	40	0.00097	-0.74187	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	OZARK BEACH 161KV	16	-0.0001	-0.7408	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	RIVERTON 69KV	47.61334	-0.0002	-0.7407	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	STATE LINE 161KV	528.0889	-0.00025	-0.74065	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	RIVERTON 161KV	66	-0.00022	-0.74063	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	LARUSSEL 161KV	100	-0.00033	-0.74057	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	GILL ENERGY CENTER 69KV	52	-0.0007	-0.7402	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	ASBURY 161KV	191	-0.00071	-0.74019	1

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

WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4802	-0.00107	-0.73983	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIDW	COLBY 15KV	13.07811	-0.00114	-0.73976	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WEPL	GRAY COUNTY WIND FARM 115KV	77.26416	-0.00121	-0.73969	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WEPL	JUDSON LARGE 115KV	3.6	-0.0013	-0.7396	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF GIRARD 69KV	48.77484	-0.00182	-0.73908	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WEPL	A. M. MULLERGEREN GENERATOR 115KV	41.07931	-0.00197	-0.73893	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIDW	KNOLL 115KV	237.0904	-0.00197	-0.73893	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACP	MONTRROSE 161KV	35	-0.00212	-0.73878	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIPU	LAKE ROAD 161KV	92	-0.00212	-0.73878	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIPU	LAKE ROAD 34KV	230.1474	-0.00213	-0.73877	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIPU	SIBLEY 161KV	45.99999	-0.00214	-0.73876	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACP	HAWTHORN 161KV	455	-0.00222	-0.73868	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	HUTCHINSON ENERGY CENTER 69KV	15.27344	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACY	NEARMAN 161KV	52.19801	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACY	NEARMAN 20KV	235	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACY	QUINDARO 161KV	118.0027	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACY	QUINDARO 69KV	72	-0.00234	-0.73856	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACP	IATAN 34KV	396	-0.00236	-0.73854	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	SMOKEY HILLS 34KV	126	-0.00237	-0.73853	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	MIPU	SOUTH HARPER 161KV	214.2813	-0.0024	-0.7385	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WEPL	HARPER 138KV	8.49	-0.0026	-0.7383	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CHANUTE 69KV	50.687	-0.00264	-0.73826	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF ERIE 69KV	2	-0.00264	-0.73826	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00311	-0.73779	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00277	-0.73813	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00279	-0.73811	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	LAWRENCE ENERGY CENTER 230KV	223.6191	-0.00281	-0.73809	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	HOLTON 115KV	12.2	-0.00284	-0.73806	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	SOUTH SENECA 115KV	8.5	-0.00284	-0.73806	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	KACP	LACYGNE UNIT 345KV	958	-0.00286	-0.73804	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	GILL ENERGY CENTER 138KV	155	-0.00301	-0.73789	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF FREDONIA 69KV	3.19	-0.00305	-0.73785	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00311	-0.73779	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF MULVANE 69KV	6.739	-0.00398	-0.73692	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	EVANS ENERGY CENTER 138KV	425	-0.00447	-0.73643	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00465	-0.73625	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00465	-0.73625	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	EMDE	ELK RIVER 345KV	46.01746	-0.00501	-0.73589	1
WERE	CITY OF WINFIELD 69KV	40	-0.7409	WERE	CITY OF AUGUSTA 69KV	20.02	-0.05966	-0.68124	1
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SOONER 138KV	535	0.01153	-0.07119	11
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SOONER 345KV	537	0.00694	-0.06696	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	FRUWIND 2KV	27	0.05957	-0.06559	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SPGK182 13.200 345KV	10	0.00479	-0.06445	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	MUSTANG 138KV	193	0.00424	-0.0639	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SMITH COGEN 138KV	107	0.00421	-0.06387	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	KNOLL 138KV	170	0.00412	-0.06385	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	HORSESHOE LAKE 138KV	352	0.00408	-0.06374	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	REBUD 345KV	150	0.00402	-0.06368	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	WEATHERFORD 34KV	12	0.00399	-0.06365	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	HORSESHOE LAKE 69KV	16	0.00398	-0.06364	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	SOUTHWESTERN STATION 138KV	239	0.00378	-0.06344	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	SOUTHWESTERN STATION 138KV	645	0.00378	-0.06344	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SEMINOLE 345KV	823	0.00375	-0.06341	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	COMANCHE 138KV	145	0.00337	-0.06336	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	COMANCHE 69KV	60	0.00337	-0.06336	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	SEMINOLE 138KV	252.5775	0.00369	-0.06333	12
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	COGENTRIX 345KV	865	0.00206	-0.06172	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	TULSA POWER STATION 138KV	112	0.00206	-0.06172	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	NORTHEASTERN STATION 138KV	488	0.00194	-0.0616	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	MUSKOGEE 345KV	154	0.00189	-0.06155	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	MUSKOGEE 161KV	138.124	0.0018	-0.06146	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	DEC 345KV	369	0.00178	-0.06144	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	NARROW'S 69KV	22	0.00171	-0.06137	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	WELSH 345KV	1644	0.00157	-0.06123	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	WILKES 138KV	206.7398	0.00147	-0.06113	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	WILKES 345KV	301.4253	0.00144	-0.0611	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	EASTMAN 138KV	155	0.00142	-0.06108	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	LEBRON 345KV	315	0.00142	-0.06108	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	KNOWLES 138KV	213	0.00141	-0.06107	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	PIRKEY GENERATION 138KV	213	0.00141	-0.06107	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	OKGE	AES 161KV	320	0.00132	-0.06098	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	NORTHEASTERN STATION 345KV	625	0.00115	-0.06081	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	FITZHUGH 161KV	120	0.00113	-0.06079	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	AEPW	FULT CREEK 161KV	400	0.00097	-0.06063	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	OZARK BEACH 161KV	16	-0.0001	-0.05956	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	RIVERTON 69KV	47.61334	-0.0002	-0.05946	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	STATE LINE 161KV	528.0889	-0.00025	-0.05941	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	RIVERTON 161KV	86	-0.00027	-0.05939	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	LARUSSEL 161KV	100	-0.00053	-0.05933	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	GILL ENERGY CENTER 69KV	52	-0.0007	-0.05896	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	EMDE	ASBURY 161KV	191	-0.00071	-0.05895	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4802	-0.00107	-0.05859	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIDW	COLBY 15KV	13.07811	-0.00114	-0.05852	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WEPL	GRAY COUNTY WIND FARM 115KV	77.26416	-0.00121	-0.05845	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WEPL	JUDSON LARGE 115KV	3.6	-0.0013	-0.05845	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WEPL	A. M. MULLERGEREN GENERATOR 115KV	48.77484	-0.00182	-0.05784	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIDW	KNOLL 115KV	41.07931	-0.00197	-0.05769	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACP	MONTRROSE 161KV	35	-0.00212	-0.05754	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIPU	LAKE ROAD 161KV	92	-0.00212	-0.05754	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIPU	LAKE ROAD 34KV	230.1474	-0.00213	-0.05753	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIPU	SIBLEY 161KV	45.99999	-0.00214	-0.05752	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACP	HAWTHORN 161KV	455	-0.00222	-0.05744	13
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	HUTCHINSON ENERGY CENTER 69KV	15.27344	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACY	NEARMAN 161KV	52.19801	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACY	NEARMAN 20KV	235	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACY	QUINDARO 161KV	118.0027	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACY	QUINDARO 69KV	72	-0.00234	-0.05732	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	KACP	IATAN 34KV	396	-0.00236	-0.0573	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	SMOKEY HILLS 34KV	126	-0.00237	-0.05729	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	MIPU	SOUTH HARPER 161KV	214.2813	-0.0024	-0.05726	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	CHANUTE 69KV	50.687	-0.00264	-0.05702	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05966	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00311	-0.05657	14
WERE	CITY OF								

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	GREERS FERRY 161KV	83.19438	0.01909	-0.15684	52
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	JONESBORO 161KV	63	0.00373	-0.14048	58
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	LEPA	CITY OF HOUJMA SUB 115KV	67	0.00319	-0.13994	58
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	ACADIA 138KV	174	0.00275	-0.1395	58
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	TECHE 138KV	117.7576	0.00275	-0.1395	58
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	EVANGELINE 138KV	165	0.00184	-0.13859	59
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	EVANGELINE 230KV	194	0.00172	-0.13847	59
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	RODEMACHER 230KV	691	0.00076	-0.13751	63
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	SIKESTON 161KV	235	-0.00393	-0.13626	61
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	CELE	DOLET HILLS 345KV	370	-0.00852	-0.12823	69
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.12813	63
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	KNOXLEE 138KV	103	-0.01433	-0.12242	66
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.1223	67
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	LEBRUCK 345KV	315	-0.01458	-0.12217	67
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	EASTMAN 138KV	365	-0.01459	-0.12216	66
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	WILKES 345KV	213.0046	-0.015	-0.12175	67
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	WILKES 138KV	132.1406	-0.01563	-0.12112	67
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	WELSH 345KV	104	-0.01845	-0.1183	69
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	TRUMAN 161KV	90.79388	-0.02828	-0.10747	76
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	LAWRENCE ENERGY CENTER 230KV	222.3	-0.03717	-0.09588	82
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.03744	-0.0931	82
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03765	-0.0991	82
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0377	-0.09904	82
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	BROKEN BOW 138KV	83.19438	-0.03846	-0.09829	83
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	SMOKEY HILLS 34KV	177	-0.03956	-0.09719	84
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	CITY OF BURLINGTON 69KV	10019	-0.04228	-0.09447	86
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	EMDE	LARUSSEL 161KV	100	-0.04279	-0.09386	87
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WFEC	HUGO 138KV	440	-0.04328	-0.09349	87
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SWPA	BEAVER 161KV	131.4984	-0.04384	-0.09291	87
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WERE	EVANS ENERGY CENTER 138KV	382.0754	-0.04481	-0.09194	88
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	EMDE	ELK RIVER 345KV	148.9962	-0.04542	-0.09133	89
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	EMDE	ASBURY 161KV	191	-0.0469	-0.09026	90
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	EMDE	STATE LINE 161KV	167.7231	-0.04804	-0.08871	92
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	HARRINGTON 230KV	706	-0.04955	-0.0872	93
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	BLACKHAWK 115KV	220	-0.04963	-0.08712	93
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	TOLK 230KV	1019.602	-0.05081	-0.08594	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	SAN JUAN 230KV	120	-0.05083	-0.08592	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	CUNNINGHAM 230KV	196	-0.05101	-0.08574	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	HOBBS PL131 18.000 230KV	202	-0.05101	-0.08574	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	HOBBS PL121 18.000 115KV	10296	-0.05102	-0.08573	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	MUSTANG 230KV	160	-0.05103	-0.08572	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	MUSTANG 115KV	300	-0.05105	-0.0857	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	SPS	JONES 230KV	168.9326	-0.05145	-0.0853	95
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WFEC	MORLIND 138KV	307.34	-0.05662	-0.08013	101
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	COOMACHE 138KV	101	-0.0568	-0.0796	102
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	OKGE	SOONER 345KV	537	-0.05695	-0.0798	102
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	AEPW	SOUTHWESTERN STATION 138KV	116	-0.0573	-0.07945	102
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	OKGE	SOONER 138KV	535	-0.0574	-0.07935	102
SWPA	ROBERT S. KERR 161KV	102.9193	-0.13675	WFEC	ANADARKO 138KV	247.1653	-0.05747	-0.07929	103
AEPW	WEELETKA 138KV	162	-0.07194	CELE	ACADIA 138KV	174	0.00275	-0.07168	109
AEPW	WEELETKA 138KV	162	-0.07194	CELE	TECHE 138KV	117.7576	0.00275	-0.07168	109
AEPW	WEELETKA 138KV	162	-0.07194	CELE	EVANGELINE 138KV	165	0.00184	-0.07378	110
AEPW	WEELETKA 138KV	162	-0.07194	CELE	EVANGELINE 230KV	194	0.00172	-0.07366	110
AEPW	WEELETKA 138KV	162	-0.07194	CELE	RODEMACHER 230KV	691	0.00076	-0.0727	112
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	ACADIA 138KV	174	0.00275	-0.0729	112
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	TECHE 138KV	117.7576	0.00275	-0.07259	112
AEPW	OC 345KV	1878.03	-0.0691	CELE	ACADIA 138KV	174	0.00275	-0.07185	113
AEPW	OC 345KV	1878.03	-0.0691	CELE	TECHE 138KV	117.7576	0.00275	-0.07185	113
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	EVANGELINE 138KV	165	0.00184	-0.07168	113
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	EVANGELINE 230KV	194	0.00172	-0.07156	114
AEPW	TULSA POWER STATION 138KV	307	-0.06878	CELE	ACADIA 138KV	174	0.00275	-0.07153	114
AEPW	TULSA POWER STATION 138KV	307	-0.06878	CELE	TECHE 138KV	117.7576	0.00275	-0.07153	114
AEPW	OC 345KV	1878.03	-0.0691	CELE	EVANGELINE 138KV	165	0.00184	-0.07094	115
AEPW	OC 345KV	1878.03	-0.0691	CELE	EVANGELINE 230KV	194	0.00172	-0.07083	115
AEPW	TULSA POWER STATION 138KV	307	-0.06878	CELE	EVANGELINE 138KV	165	0.00184	-0.07062	115
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	RODEMACHER 230KV	691	0.00076	-0.07076	115
AEPW	TULSA POWER STATION 138KV	307	-0.06878	CELE	EVANGELINE 230KV	194	0.00172	-0.07005	116
GRDA	GRDA 161KV	130.9501	-0.06731	CELE	ACADIA 138KV	174	0.00275	-0.0706	116
GRDA	GRDA 161KV	130.9501	-0.06731	CELE	TECHE 138KV	117.7576	0.00275	-0.07006	116
AEPW	OC 345KV	1878.03	-0.0691	CELE	RODEMACHER 230KV	691	0.00076	-0.06986	116
AEPW	TULSA POWER STATION 138KV	307	-0.06878	CELE	RODEMACHER 230KV	691	0.00076	-0.06954	117
GRDA	GRDA 161KV	130.9501	-0.06731	CELE	EVANGELINE 138KV	165	0.00184	-0.06915	118
GRDA	GRDA 161KV	130.9501	-0.06731	CELE	EVANGELINE 230KV	194	0.00172	-0.06903	118
GRDA	GRDA 161KV	130.9501	-0.06731	CELE	RODEMACHER 230KV	691	0.00076	-0.06807	119
AEPW	WEELETKA 138KV	162	-0.07194	SWPA	SIKESTON 161KV	235	-0.00393	-0.06801	121
AEPW	MID-CONTINENT 138KV	142.11	-0.06379	CELE	ACADIA 138KV	174	0.00275	-0.06854	122
AEPW	COGENTRIX 345KV	694	-0.06984	SWPA	SIKESTON 161KV	235	-0.00393	-0.06851	123
AEPW	MID-CONTINENT 138KV	142.11	-0.06379	CELE	EVANGELINE 138KV	165	0.00184	-0.06663	124
AEPW	MID-CONTINENT 138KV	142.11	-0.06379	CELE	EVANGELINE 230KV	194	0.00172	-0.06651	124
AEPW	OC 345KV	1878.03	-0.0691	SWPA	SIKESTON 161KV	235	-0.00393	-0.06617	125
AEPW	TULSA POWER STATION 138KV	307	-0.06878	SWPA	SIKESTON 161KV	235	-0.00393	-0.06485	125
AEPW	MID-CONTINENT 138KV	142.11	-0.06379	CELE	RODEMACHER 230KV	691	0.00076	-0.06455	126
AEPW	TONTTOWN 161KV	346.12	-0.06097	CELE	ACADIA 138KV	174	0.00275	-0.06372	128
AEPW	WEELETKA 138KV	162	-0.07194	CELE	DOLET HILLS 345KV	370	-0.00852	-0.06342	128
GRDA	GRDA 161KV	130.9501	-0.06731	SWPA	SIKESTON 161KV	235	-0.00393	-0.06338	129
AEPW	WEELETKA 138KV	162	-0.07194	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.06332	128
OKGE	REBUD 345KV	1050	-0.06046	CELE	ACADIA 138KV	174	0.00275	-0.06321	129
AEPW	TONTTOWN 161KV	346.12	-0.06097	CELE	EVANGELINE 138KV	165	0.00184	-0.06281	129
AEPW	TONTTOWN 161KV	346.12	-0.06097	CELE	EVANGELINE 230KV	194	0.00172	-0.06269	130
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	CELE	ACADIA 138KV	174	0.00275	-0.0626	130
OKGE	REBUD 345KV	1050	-0.06046	CELE	EVANGELINE 138KV	165	0.00184	-0.06263	130
OKGE	REBUD 345KV	1050	-0.06046	CELE	EVANGELINE 230KV	194	0.00172	-0.06218	131
OKGE	TONTTOWN 161KV	346.12	-0.06097	CELE	RODEMACHER 230KV	691	0.00076	-0.06173	132
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	CELE	EVANGELINE 138KV	165	0.00184	-0.06169	132
OKGE	MUSTANG 138KV	365.5	-0.05892	CELE	ACADIA 138KV	174	0.00275	-0.06167	132
OKGE	SEMINOLE 138KV	505	-0.0589	CELE	ACADIA 138KV	174	0.00275	-0.06165	132
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	CELE	EVANGELINE 230KV	194	0.00172	-0.06157	132
AEPW	COGENTRIX 345KV	694	-0.06984	CELE	DOLET HILLS 345KV	370	-0.00852	-0.06132	133
OKGE	SPGCK1&2 13.200 345KV	168	-0.0585	CELE	ACADIA 138KV	174	0.00275</		

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

AEPW	WEELETKA 138KV	162	-0.07194	AEPW	LEBROCK 345KV	315	-0.01458	-0.05736	142
AEPW	WEELETKA 138KV	162	-0.07194	AEPW	EASTMAN 138KV	355	-0.01459	-0.05735	142
AEPW	KIOWA 345KV	1348	-0.05558	CELE	EVANGELINE 230KV	194	0.00172	-0.05273	142
AEPW	TONTTOWN 161KV	346.12	-0.06097	SWPA	SIKESTON 161KV	235	-0.00393	-0.05704	143
AEPW	WEELETKA 138KV	162	-0.07194	AEPW	WILKES 345KV	213.0046	-0.015	-0.05694	143
OKGE	REBUD 345KV	1050	-0.06046	SWPA	SIKESTON 161KV	235	-0.00393	-0.05653	144
OKGE	KIOWA 345KV	1348	-0.05558	CELE	RODEMACHER 230KV	691	0.00076	-0.05634	144
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	SWPA	SIKESTON 161KV	235	-0.00393	-0.05603	145
AEPW	COGENTRIX 345KV	694	-0.06984	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.05539	147
AEPW	COGENTRIX 345KV	694	-0.06984	AEPW	LEBROCK 345KV	315	-0.01458	-0.05526	147
AEPW	COGENTRIX 345KV	694	-0.06984	AEPW	EASTMAN 138KV	355	-0.01459	-0.05525	147
OKGE	MUSTANG 138KV	365.5	-0.05892	SWPA	SIKESTON 161KV	235	-0.00393	-0.05497	148
OKGE	SEMINOLE 138KV	505	-0.05892	SWPA	SIKESTON 161KV	235	-0.00393	-0.05497	148
AEPW	COGENTRIX 345KV	694	-0.06984	AEPW	WILKES 345KV	213.0046	-0.015	-0.05484	148
AEPW	OECC 345KV	1878.03	-0.06991	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.05465	149
OKGE	SPGCK1&2 13.200 345KV	168	-0.0585	SWPA	SIKESTON 161KV	235	-0.00393	-0.05457	149
OKGE	SPGCK3&4 13.200 345KV	168	-0.0585	SWPA	SIKESTON 161KV	235	-0.00393	-0.05457	149
AEPW	OECC 345KV	1878.03	-0.06991	AEPW	LEBROCK 345KV	315	-0.01458	-0.05452	149
AEPW	OECC 345KV	1878.03	-0.06991	AEPW	EASTMAN 138KV	355	-0.01459	-0.05451	149
OKGE	SEMINOLE 345KV	408.896	-0.0584	SWPA	SIKESTON 161KV	235	-0.00393	-0.05447	149
AEPW	TULSA POWER STATION 138KV	307	-0.06878	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.05433	150
SPS	LP-HOLL2 69KV	154	-0.05146	CELE	ACADIA 138KV	174	0.00275	-0.05421	150
SPS	JONES 230KV	317.0674	-0.05145	CELE	ACADIA 138KV	174	0.00275	-0.0542	150
AEPW	TULSA POWER STATION 138KV	307	-0.06878	AEPW	LEBROCK 345KV	315	-0.01458	-0.0542	150
AEPW	TULSA POWER STATION 138KV	307	-0.06878	AEPW	EASTMAN 138KV	355	-0.01459	-0.05419	150
AEPW	OECC 345KV	1878.03	-0.06991	AEPW	WILKES 345KV	213.0046	-0.015	-0.0541	150
SPS	MUSTANG 230KV	300	-0.05103	CELE	ACADIA 138KV	174	0.00275	-0.05378	151
AEPW	TULSA POWER STATION 138KV	307	-0.06878	AEPW	WILKES 345KV	213.0046	-0.015	-0.05378	151
SPS	CUNNINGHAM 115KV	181	-0.05102	CELE	ACADIA 138KV	174	0.00275	-0.05377	151
SPS	MADOX 115KV	193	-0.05102	CELE	ACADIA 138KV	174	0.00275	-0.05377	151
SPS	PLANTX 115KV	253	-0.05077	CELE	ACADIA 138KV	174	0.00275	-0.05373	152
AEPW	WEELETKA 138KV	162	-0.07194	AEPW	WELSH 345KV	1044	-0.01845	-0.05349	152
SPS	PLANTX 230KV	189	-0.05072	CELE	ACADIA 138KV	174	0.00275	-0.05347	152
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	SWPA	SIKESTON 161KV	235	-0.00393	-0.05337	152
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	SWPA	SIKESTON 161KV	235	-0.00393	-0.05337	152
SPS	LP-HOLL2 69KV	154	-0.05146	CELE	EVANGELINE 138KV	155	0.00184	-0.0533	153
SPS	JONES 230KV	317.0674	-0.05145	CELE	EVANGELINE 138KV	155	0.00184	-0.05329	153
SPS	LP-HOLL2 69KV	154	-0.05146	CELE	EVANGELINE 230KV	194	0.00172	-0.05318	153
SPS	JONES 230KV	317.0674	-0.05145	CELE	EVANGELINE 230KV	194	0.00172	-0.05317	153
SPS	MUSTANG 230KV	300	-0.05103	CELE	EVANGELINE 138KV	155	0.00184	-0.05287	154
SPS	CUNNINGHAM 115KV	181	-0.05102	CELE	EVANGELINE 138KV	155	0.00184	-0.05286	154
SPS	MADOX 115KV	193	-0.05102	CELE	EVANGELINE 138KV	155	0.00184	-0.05286	154
SPS	MUSTANG 230KV	300	-0.05103	CELE	EVANGELINE 230KV	194	0.00172	-0.05275	154
SPS	CUNNINGHAM 115KV	181	-0.05102	CELE	EVANGELINE 230KV	194	0.00172	-0.05274	154
SPS	MADOX 115KV	193	-0.05102	CELE	EVANGELINE 230KV	194	0.00172	-0.05274	154
SPS	PLANTX 115KV	253	-0.05077	CELE	EVANGELINE 138KV	155	0.00184	-0.05261	155
SPS	PLANTX 230KV	189	-0.05072	CELE	EVANGELINE 138KV	155	0.00184	-0.05256	155
SPS	PLANTX 115KV	253	-0.05077	CELE	EVANGELINE 230KV	194	0.00172	-0.05249	155
SPS	NICHOLS 115KV	213	-0.04972	CELE	ACADIA 138KV	174	0.00275	-0.05247	155
AEPW	TONTTOWN 161KV	346.12	-0.06097	CELE	DOLET HILLS 345KV	370	-0.00852	-0.05245	155
SPS	PLANTX 230KV	189	-0.05072	CELE	EVANGELINE 230KV	194	0.00172	-0.05244	155
AEPW	TONTTOWN 161KV	346.12	-0.06097	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.05235	155
SPS	NICHOLS 230KV	244	-0.04959	CELE	ACADIA 138KV	174	0.00275	-0.05234	155
SPS	HARRINGTON 230KV	360	-0.04955	CELE	ACADIA 138KV	174	0.00275	-0.0523	155
SPS	JONES 230KV	317.0674	-0.05145	CELE	RODEMACHER 230KV	691	0.00076	-0.05221	156
OKGE	REBUD 345KV	1050	-0.06046	CELE	DOLET HILLS 345KV	370	-0.00852	-0.05194	157
OKGE	REBUD 345KV	1050	-0.06046	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.05194	157
OKGE	MUSTANG 230KV	300	-0.05103	CELE	RODEMACHER 230KV	691	0.00076	-0.05178	157
SPS	CUNNINGHAM 115KV	181	-0.05102	CELE	RODEMACHER 230KV	691	0.00076	-0.05178	157
SPS	MADOX 115KV	193	-0.05102	CELE	RODEMACHER 230KV	691	0.00076	-0.05178	157
AEPW	KIOWA 345KV	1348	-0.05558	SWPA	SIKESTON 161KV	235	-0.00393	-0.05165	157
EMDE	RIVERTON 161KV	295	-0.0488	CELE	ACADIA 138KV	174	0.00275	-0.05155	158
SPS	PLANTX 115KV	253	-0.05077	CELE	RODEMACHER 230KV	691	0.00076	-0.05153	158
SPS	PLANTX 230KV	189	-0.05072	CELE	RODEMACHER 230KV	691	0.00076	-0.05148	158
SPS	NICHOLS 115KV	213	-0.04972	CELE	EVANGELINE 230KV	194	0.00172	-0.05144	158
AEPW	COGENTRIX 345KV	694	-0.06984	AEPW	WELSH 345KV	1044	-0.01845	-0.05139	158
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	SWPA	DOLET HILLS 345KV	370	-0.00852	-0.05138	158
SPS	NICHOLS 230KV	244	-0.04959	CELE	EVANGELINE 230KV	194	0.00172	-0.05131	159
SPS	HARRINGTON 230KV	360	-0.04955	CELE	EVANGELINE 230KV	194	0.00172	-0.05127	159
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.05123	159
EMDE	STATE LINE 161KV	438.2769	-0.04804	CELE	ACADIA 138KV	174	0.00275	-0.05079	160
AEPW	OECC 345KV	1878.03	-0.06991	AEPW	WILKES 345KV	213.0046	-0.015	-0.05065	160
EMDE	RIVERTON 161KV	295	-0.0488	CELE	EVANGELINE 230KV	194	0.00172	-0.05052	161
SPS	NICHOLS 115KV	213	-0.04972	CELE	RODEMACHER 230KV	691	0.00076	-0.05048	161
OKGE	MUSTANG 138KV	365.5	-0.05892	CELE	DOLET HILLS 345KV	370	-0.00852	-0.0504	161
OKGE	SEMINOLE 138KV	505	-0.05892	CELE	DOLET HILLS 345KV	370	-0.00852	-0.05038	161
SPS	NICHOLS 230KV	244	-0.04959	CELE	RODEMACHER 230KV	691	0.00076	-0.05035	161
AEPW	TULSA POWER STATION 138KV	307	-0.06878	AEPW	WELSH 345KV	1044	-0.01845	-0.05033	162
SPS	HARRINGTON 230KV	360	-0.04955	CELE	RODEMACHER 230KV	691	0.00076	-0.05031	162
OKGE	MUSTANG 138KV	365.5	-0.05892	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.05023	162
OKGE	SEMINOLE 138KV	505	-0.05892	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.05023	162
OKGE	SPGCK1&2 13.200 345KV	168	-0.0585	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04998	163
OKGE	SPGCK3&4 13.200 345KV	168	-0.0585	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04998	163
OKGE	SPGCK1&2 13.200 345KV	168	-0.0585	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04988	163
OKGE	SPGCK3&4 13.200 345KV	168	-0.0585	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04988	163
OKGE	SEMINOLE 345KV	408.896	-0.0584	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04988	163
OKGE	SEMINOLE 345KV	408.896	-0.0584	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04978	163
EMDE	STATE LINE 161KV	438.2769	-0.04804	CELE	EVANGELINE 230KV	194	0.00172	-0.04976	163
EMDE	RIVERTON 161KV	295	-0.0488	CELE	RODEMACHER 230KV	691	0.00076	-0.04956	164
EMDE	STATE LINE 161KV	438.2769	-0.04804	CELE	RODEMACHER 230KV	691	0.00076	-0.04885	163
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04878	167
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04878	167
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04868	167
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04868	167
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	CELE	ACADIA 138KV	174	0.00275	-0.04772	170
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	CELE	ACADIA 138KV	174	0.00275	-0.04756	171
SPS	JONES 230KV	317.0674	-0.05145	SWPA	SIKESTON 161KV	235	-0.00393	-0.04752	171
SPS	MUSTANG 230KV	300	-0.05103	SWPA	SIKESTON 161KV	235	-0.00393	-0.04747	173
SPS	CUNNINGHAM 115KV	181	-0.05102	SWPA	SIKESTON 161KV	235	-0.00393	-0.04709	173
SPS	MADOX 115KV	193	-0.05102	SWPA	SIKESTON 161KV	235	-0.00393	-0.04709	173
AEPW	KIOWA 345KV	1348	-0.05558	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04706	173
AEPW	KIOWA 345KV	1348	-0.05558	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04684	174
SPS	PLANTX 115KV	253	-0.05077	SWPA	SIKESTON 161KV	235	-0.00393	-0.04684	174
SPS	PLANTX 230KV	189	-0.05072	SWPA	SIKESTON 161KV	235	-0.00393	-0.04679	174
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	CELE	EVANGELINE 230KV	194	0.00172	-0.04669	174
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	CELE	EVANGELINE 230KV	194	0.00172	-0.04653	175
AEPW	TONTTOWN 161KV	346.12	-0.06097	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.04652	175
AEPW	TONTTOWN 161KV	346.12	-0.06097	AEPW	LEBROCK 345KV	315	-0.01458	-0.04638	175
AEPW	TONTTOWN 161KV	346.12	-0.06097	AEPW	EASTMAN 138KV	355	-0.01459	-0.04638	175
OKGE	REBUD 345KV	1050	-0.06046	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.04601	177
AEPW	TONTTOWN 161KV	346.12	-0.06097	AEPW	WILKES 345KV	213.0046	-0.015	-0.04597	177
OKGE	REBUD 345KV	1050	-0.06046	AEPW	EASTMAN 138KV	355	-0.01459	-0.04587	177
SPS	NICHOLS 115KV	213	-0.04972	SWPA	SIKESTON 161KV	235	-0.00393	-0.04579	178
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	CELE	RODEMACHER 230KV	691	0.00076	-0	

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

EMDE	LARUSSEL 161KV	196	-0.04279	CELE	RODEMACHER 230KV	691	0.00076	-0.04355	187
OKGE	SEMINOLE 345KV	408.896	-0.0584	AEPW	WILKES 345KV	213.0046	-0.015	-0.0434	187
SPS	JONES 230KV	317.0674	-0.05145	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04293	189
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04215	CELE	RODEMACHER 230KV	691	0.00076	-0.04291	189
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.04285	190
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.04285	190
SPS	JONES 230KV	317.0674	-0.05145	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04283	190
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	AEPW	LEBROCK 345KV	315	-0.01458	-0.04273	190
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	AEPW	LEBROCK 345KV	315	-0.01458	-0.04272	190
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	AEPW	EASTMAN 138KV	355	-0.01459	-0.04271	190
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	AEPW	EASTMAN 138KV	355	-0.01459	-0.04271	190
AEPW	TONTITOWN 161KV	346.12	-0.06097	AEPW	WELSH 345KV	1044	-0.01845	-0.04262	191
SPS	MUSTANG 230KV	300	-0.05103	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04251	191
SPS	MADOX 115KV	193	-0.05102	CELE	DOLET HILLS 345KV	370	-0.00852	-0.0425	191
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.04077	CELE	EVANGELINE 230KV	194	0.00172	-0.04249	191
SPS	MUSTANG 230KV	300	-0.05103	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04241	192
SPS	MADOX 115KV	193	-0.05102	CELE	BULL SHOALS 161KV	250.4831	-0.00862	-0.0424	192
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	AEPW	WILKES 345KV	213.0046	-0.015	-0.0423	192
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	AEPW	WILKES 345KV	213.0046	-0.015	-0.0423	192
SPS	PLANTX 115KV	253	-0.05077	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04225	192
SPS	PLANTX 115KV	253	-0.05077	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04215	193
OKGE	REDBUD 345KV	1050	-0.06046	AEPW	WELSH 345KV	1044	-0.01845	-0.04201	194
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.04077	CELE	RODEMACHER 230KV	691	0.00076	-0.04153	196
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.05985	AEPW	WELSH 345KV	1044	-0.01845	-0.0414	196
SPS	NICHOLS 115KV	213	-0.04972	CELE	DOLET HILLS 345KV	370	-0.00852	-0.0412	197
AEPW	KIOWA 345KV	1348	-0.05558	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.04113	198
SPS	NICHOLS 115KV	213	-0.04972	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.0411	198
SPS	NICHOLS 230KV	244	-0.04959	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04107	198
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	SWPA	SIKESTON 161KV	235	-0.00393	-0.04104	198
SPS	HARRINGTON 230KV	360	-0.04955	AEPW	DOLET HILLS 345KV	370	-0.00852	-0.04103	198
AEPW	KIOWA 345KV	1348	-0.05558	AEPW	LEBROCK 345KV	315	-0.01458	-0.041	198
AEPW	KIOWA 345KV	1348	-0.05558	AEPW	EASTMAN 138KV	355	-0.01459	-0.04099	198
SPS	NICHOLS 230KV	244	-0.04959	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04097	198
SPS	HARRINGTON 230KV	360	-0.04955	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04093	199
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	SWPA	SIKESTON 161KV	235	-0.00393	-0.04082	199
AEPW	KIOWA 345KV	1348	-0.05558	AEPW	WILKES 345KV	213.0046	-0.015	-0.04058	200
OKGE	MUSTANG 138KV	365.5	-0.05892	AEPW	WELSH 345KV	1044	-0.01845	-0.04047	201
OKGE	SEMINOLE 138KV	505	-0.0589	AEPW	WELSH 345KV	1044	-0.01845	-0.04045	201
EMDE	RIVERTON 161KV	295	-0.0488	CELE	DOLET HILLS 345KV	370	-0.00852	-0.04028	202
EMDE	RIVERTON 161KV	295	-0.0488	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.04018	202
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03938	CELE	RODEMACHER 230KV	691	0.00076	-0.04014	203
OKGE	SEMINOLE 345KV	408.896	-0.0584	AEPW	WELSH 345KV	1044	-0.01845	-0.03995	203
EMDE	STATE LINE 161KV	438.2769	-0.04804	CELE	DOLET HILLS 345KV	370	-0.00852	-0.03952	206
EMDE	STATE LINE 161KV	438.2769	-0.04804	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.03942	206
AEPW	SOUTHWESTERN STATION 138KV	322	-0.0573	AEPW	WELSH 345KV	1044	-0.01845	-0.03885	209
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.0573	AEPW	WELSH 345KV	1044	-0.01845	-0.03885	209
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04215	SWPA	SIKESTON 161KV	235	-0.00393	-0.03822	213
SPS	KIOWA 345KV	1348	-0.05558	AEPW	WELSH 345KV	1044	-0.01845	-0.03719	219
SPS	JONES 230KV	317.0674	-0.05145	AEPW	PIRKEY GENERATION 138KV	223	-0.01445	-0.037	220
SPS	JONES 230KV	317.0674	-0.05145	AEPW	LEBROCK 345KV	315	-0.01458	-0.03687	220
SPS	JONES 230KV	317.0674	-0.05145	AEPW	EASTMAN 138KV	355	-0.01459	-0.03686	221
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.04077	SWPA	SIKESTON 161KV	235	-0.00393	-0.03684	221
SPS	MUSTANG 230KV	300	-0.05103	CELE	PIRKEY GENERATION 138KV	223	-0.01445	-0.03658	222
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	CELE	DOLET HILLS 345KV	370	-0.00852	-0.03645	223
SPS	MUSTANG 230KV	300	-0.05103	AEPW	LEBROCK 345KV	315	-0.01458	-0.03645	223
SPS	MUSTANG 230KV	300	-0.05103	AEPW	EASTMAN 138KV	355	-0.01459	-0.03644	223
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.03635	224
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	SWPA	DOLET HILLS 345KV	370	-0.00852	-0.03629	224
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.03619	225
SPS	PLANTX 115KV	253	-0.05077	AEPW	LEBROCK 345KV	315	-0.01458	-0.03619	225
SPS	PLANTX 115KV	253	-0.05077	AEPW	EASTMAN 138KV	355	-0.01459	-0.03618	225
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03938	SWPA	SIKESTON 161KV	235	-0.00393	-0.03545	229
SPS	NICHOLS 230KV	244	-0.04959	AEPW	LEBROCK 345KV	315	-0.01458	-0.03501	232
SPS	NICHOLS 230KV	244	-0.04959	AEPW	EASTMAN 138KV	355	-0.01459	-0.035	232
SPS	HARRINGTON 230KV	360	-0.04955	AEPW	LEBROCK 345KV	315	-0.01458	-0.03497	232
SPS	HARRINGTON 230KV	360	-0.04955	AEPW	EASTMAN 138KV	355	-0.01459	-0.03496	233
EMDE	RIVERTON 161KV	295	-0.0488	AEPW	LEBROCK 345KV	315	-0.01458	-0.03421	238
EMDE	RIVERTON 161KV	295	-0.0488	AEPW	EASTMAN 138KV	355	-0.01459	-0.03421	238
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04215	CELE	DOLET HILLS 345KV	370	-0.00852	-0.03363	242
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04215	SWPA	BULL SHOALS 161KV	250.4831	-0.00862	-0.03353	242
EMDE	STATE LINE 161KV	438.2769	-0.04804	AEPW	LEBROCK 345KV	315	-0.01458	-0.03346	243
EMDE	STATE LINE 161KV	438.2769	-0.04804	AEPW	EASTMAN 138KV	355	-0.01459	-0.03345	243
SPS	JONES 230KV	317.0674	-0.05145	AEPW	WELSH 345KV	1044	-0.01845	-0.033	246
SPS	MUSTANG 230KV	300	-0.05103	AEPW	WELSH 345KV	1044	-0.01845	-0.03258	250
SPS	PLANTX 115KV	253	-0.05077	AEPW	WELSH 345KV	1044	-0.01845	-0.03232	252
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03765	-0.03219	253
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03771	-0.03213	253
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03765	-0.03145	258
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03771	-0.03139	259
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03765	-0.03113	261
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03771	-0.03107	262
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03765	-0.03086	263
WERE	EMPORIA ENERGY CENTER 345KV	811	-0.03938	CELE	DOLET HILLS 345KV	370	-0.00852	-0.03086	263
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	AEPW	LEBROCK 345KV	315	-0.01458	-0.03039	267
WERE	GILL ENERGY CENTER 138KV	285	-0.04497	AEPW	EASTMAN 138KV	355	-0.01459	-0.03038	268
EMDE	RIVERTON 161KV	295	-0.0488	AEPW	WELSH 345KV	1044	-0.01845	-0.03035	268
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	AEPW	LEBROCK 345KV	315	-0.01458	-0.03023	269
WERE	EVANS ENERGY CENTER 138KV	380.9246	-0.04481	AEPW	EASTMAN 138KV	355	-0.01459	-0.03022	269

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

Upgrade: DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW & DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR
 DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE
 Limiting Facility: DANVILLE (APL) - MAGAZINE REC 161KV CKT 1
 Direction: From>To
 Line Outage: ARKANSAS NUCLEAR ONE 500 - FT SMITH 500 500KV CKT 1
 Flowgate: 2007AG1AFSA11T004200SP
 Date Redispatch Needed: Starting 2009 8/1 - 10/1 EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1223092	3.1	12.2
1223093	3.1	12.2
1223094	3.1	12.2
1223095	3.1	12.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	COGENTRIX 345KV	694	-0.06981	CELE	ACADIA 138KV	174	0.00276	-0.07257	168
AEPW	COGENTRIX 345KV	694	-0.06981	CELE	TECHE 138KV	280.6532	0.00276	-0.07257	168
AEPW	COGENTRIX 345KV	1878.03	-0.06908	CELE	ACADIA 138KV	174	0.00276	-0.07184	170
AEPW	COGENTRIX 345KV	1878.03	-0.06908	CELE	TECHE 138KV	280.6532	0.00276	-0.07184	170
AEPW	COGENTRIX 345KV	694	-0.06981	CELE	EVANGELINE 230KV	194	0.00173	-0.07154	171
AEPW	COGENTRIX 345KV	1878.03	-0.06908	CELE	EVANGELINE 230KV	194	0.00173	-0.07081	173
AEPW	COGENTRIX 345KV	694	-0.06984	WERE	RODEMACHER 230KV	691	0.00077	-0.07058	175
AEPW	COGENTRIX 345KV	1878.03	-0.06908	CELE	RODEMACHER 230KV	691	0.00077	-0.06985	175
AEPW	COGENTRIX 345KV	694	-0.0						

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

AEWP	COGENTRIX 345KV	694	-0.06981	AEWP	LEBROCK 345KV	315	-0.01457	-0.05524	221
AEWP	COGENTRIX 345KV	694	-0.06981	AEWP	EASTMAN 138KV	355	-0.01458	-0.05523	221
AEWP	COGENTRIX 345KV	694	-0.06981	AEWP	WILKES 345KV	308	-0.01489	-0.05462	223
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	KNOXLEE 138KV	284	-0.01431	-0.05477	223
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	PIRKEY GENERATION 138KV	243	-0.01444	-0.05464	224
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	LEBROCK 345KV	315	-0.01457	-0.05451	224
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	EASTMAN 138KV	355	-0.01458	-0.05452	224
AEWP	COGENTRIX 345KV	694	-0.06981	AEWP	WILKES 138KV	411.0707	-0.01561	-0.0542	226
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	WILKES 345KV	308	-0.01489	-0.05409	226
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	WILKES 138KV	411.0707	-0.01561	-0.05347	229
AEWP	SOUTHWESTERN STATION 138KV	229	-0.05728	SWPA	SIKESTON 161KV	235	-0.0039	-0.05338	229
AEWP	TONTTOWN 161KV	346.12	-0.06095	CELE	DOLET HILLS 345KV	370	-0.00851	-0.05244	233
AEWP	TONTTOWN 161KV	346.12	-0.06095	SWPA	BULL SHOALS 161KV	282.2332	-0.0086	-0.05235	234
SPS	NICHOLS 230KV	244	-0.04957	CELE	TECHE 138KV	280.6532	0.00276	-0.05233	234
OKGE	REDBUD 345KV	1050	-0.06044	CELE	DOLET HILLS 345KV	370	-0.00851	-0.05193	235
OKGE	REDBUD 345KV	1050	-0.06044	SWPA	BULL SHOALS 161KV	282.2332	-0.0086	-0.05184	236
AEWP	COGENTRIX 345KV	694	-0.06981	AEWP	WELSH 345KV	1044	-0.01844	-0.05137	238
AEWP	DEC 345KV	1878.03	-0.06908	AEWP	WELSH 345KV	1044	-0.01844	-0.05064	241
SPS	NICHOLS 230KV	244	-0.04957	CELE	RODEMACHER 230KV	891	0.00077	-0.05034	243
AEWP	KIOWA 345KV	1348	-0.05556	CELE	DOLET HILLS 345KV	370	-0.00851	-0.04705	260
AEWP	KIOWA 345KV	1348	-0.05556	SWPA	BULL SHOALS 161KV	282.2332	-0.0086	-0.04696	260
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	KNOXLEE 138KV	284	-0.01431	-0.04654	262
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	LEBROCK 345KV	315	-0.01457	-0.04638	264
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	EASTMAN 138KV	355	-0.01458	-0.04637	264
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	KNOXLEE 138KV	284	-0.01431	-0.04613	265
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	WILKES 345KV	308	-0.01489	-0.04561	267
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	LEBROCK 345KV	315	-0.01457	-0.04587	267
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	EASTMAN 138KV	355	-0.01458	-0.04586	267
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	WILKES 345KV	308	-0.01489	-0.04545	269
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	WILKES 345KV	411.0707	-0.01561	-0.04534	270
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	WILKES 138KV	411.0707	-0.01561	-0.04483	273
AEWP	TONTTOWN 161KV	346.12	-0.06095	AEWP	WELSH 345KV	1044	-0.01844	-0.04251	288
OKGE	REDBUD 345KV	1050	-0.06044	AEWP	WELSH 345KV	1044	-0.01844	-0.042	291
AEWP	KIOWA 345KV	1348	-0.05556	AEWP	LEBROCK 345KV	315	-0.01457	-0.04099	298
AEWP	KIOWA 345KV	1348	-0.05556	AEWP	EASTMAN 138KV	355	-0.01458	-0.04068	298
AEWP	KIOWA 345KV	1348	-0.05556	AEWP	WILKES 345KV	308	-0.01489	-0.04057	301
AEWP	KIOWA 345KV	1348	-0.05556	AEWP	WILKES 138KV	411.0707	-0.01561	-0.03995	306
AEWP	KIOWA 345KV	1348	-0.05556	AEWP	WELSH 345KV	1044	-0.01844	-0.03712	329
AEWP	COGENTRIX 345KV	694	-0.06981	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03764	-0.03217	380
AEWP	COGENTRIX 345KV	694	-0.06981	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03769	-0.03212	381
AEWP	DEC 345KV	1878.03	-0.06908	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03764	-0.03144	389
AEWP	DEC 345KV	1878.03	-0.06908	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03769	-0.03139	390
AEWP	COGENTRIX 345KV	694	-0.06981	WERE	EMPORIA ENERGY CENTER 345KV	563.1455	-0.03936	-0.03045	402

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: KERR - PENSACOLA 115KV CKT 1 Displacement
 Limiting Facility: KERR - PENSACOLA 115KV CKT 1
 Direction: From->To
 Line Outage: MAID - PENSACOLA 161KV CKT 1
 Flowgate: 200TAC14FS4 022309WP
 Date Redispatch Needed: Starting 2009 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2009 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222943		0.7	GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	AES 161KV	320	0.0061	-0.2774	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	BOOMER 69KV	24	0.00847	-0.2777	2
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	COGENTRIX 345KV	965	0.01044	-0.27974	2
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	ELLIS 69KV	6	0.0086	-0.2779	2
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	EUFULA 138KV	45.23867	0.01111	-0.28013	2
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	EUFULA 161KV	61.873533	0.01159	-0.28041	2
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	FLUNT CREEK 161KV	400	0.00844	-0.27774	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	GRDA1 161KV	65.32669	0.03453	-0.30383	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	GRDA1 345KV	100	0.02324	-0.29254	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	KERR 115KV	13.5	0.1123	-0.3816	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	KERR 161KV	13	0.05348	-0.32278	2
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	KEYSTONE DAM 161KV	136.3714	0.011	-0.2803	2
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	MUSKOGEE 161KV	115	0.01511	-0.28441	2
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	MUSKOGEE 345KV	1548	0.00978	-0.27906	2
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	NORTHEASTERN STATION 345KV	625	0.00813	-0.27743	2
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	DEC 345KV	369	0.0101	-0.2794	2
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.27859	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	SALINA 161KV	38.54893	0.05348	-0.32278	2
			GRDA	PENSACOLA 161KV	42	-0.2693	GRDA	SALINA 161KV	34.67833	0.01295	-0.28041	2
			GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	GRDA1 161KV	65.32669	0.03453	-0.29883	2
			GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	GRDA1 345KV	100	0.02324	-0.28854	2
			GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	KERR 115KV	13.5	0.1123	-0.3776	2
			GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	KERR 161KV	13.5	0.05348	-0.31878	2
			GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	MUSKOGEE 161KV	115	0.01511	-0.28041	2
			GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	SALINA 161KV	38.54893	0.05348	-0.31878	2
			GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	WEBBERS FALLS 161KV	34.67833	0.01295	-0.27825	2
			GRDA	PENSACOLA 161KV	42	-0.2693	WFEC	ANADARKO 138KV	245.7591	0.00622	-0.27552	3
			GRDA	PENSACOLA 161KV	42	-0.2693	EMDE	ASBURY 161KV	191	-0.0318	-0.23376	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	BEAVER 161KV	127.681	-0.00839	-0.26091	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.27503	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	BULL SHOALS 161KV	249.6098	-0.00492	-0.26438	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	CARTHAGE 69KV	13	-0.03344	-0.23396	3
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	CENTRAL WIND 34KV	30	0.05245	-0.27143	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.26615	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	COMANCHE 138KV	145	0.00606	-0.27536	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	COMANCHE 69KV	60	0.0061	-0.2754	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	DENISON 138KV	52.81168	0.00567	-0.26866	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	EASTMAN 138KV	155	0.00371	-0.27301	3
			GRDA	PENSACOLA 161KV	42	-0.2693	EMDE	ELK RIVER 345KV	67.89618	-0.00408	-0.26522	3
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	FITZHUGH 161KV	103	0.00706	-0.27636	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	FPLWINDZ 34KV	21	0.00539	-0.27469	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	GREYS FERRY 161KV	82.90434	0.00774	-0.27004	3
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.27623	3
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.2764	3
			GRDA	PENSACOLA 161KV	42	-0.2693	WFEC	HUGO 138KV	440	0.00599	-0.27529	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	JONESBORO 161KV	48	-0.0003	-0.269	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	KNOXLEE 138KV	164	0.00386	-0.27288	3
			GRDA	PENSACOLA 161KV	42	-0.2693	EMDE	LARUSSEL 161KV	100	-0.02811	-0.24119	3
			GRDA	PENSACOLA 161KV	42	-0.2693	AEWP	LEBROCK 345KV	165	0.00369	-0.27299	3
			GRDA	PENSACOLA 161KV	42	-0.2693	SWPA	MALDEN 69KV	3	-0.00073	-0.26857	3
			GRDA	PENSACOLA 161KV	42	-0.2693	OKGE	MCLAIN 138KV	470	0.00659	-0.27589	3
			GRDA	PENS								

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

GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	BEAVER 161KV	127.681	-0.00839	-0.25691	3
GRDA	PENSACOLA 69KV	63	-0.2653	GRDA	BOOMER 69KV	24	0.00847	-0.27377	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.27103	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	BULL SHOALS 161KV	249.6098	-0.00492	-0.26038	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	CARTHAGE 69KV	13	-0.03344	-0.23186	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	CENTRAL WIND 34KV	30	0.00543	-0.27073	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.26215	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	COGENTRIX 345KV	965	0.0104	-0.27147	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	COMANCHE 138KV	145	0.00606	-0.27136	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	COMANCHE 69KV	60	0.0061	-0.2714	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	DENISON 138KV	52.81166	0.00676	-0.27206	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	EASTMAN 138KV	155	0.00371	-0.26618	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	ELK RIVER 345KV	67.89618	-0.00408	-0.26122	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	ELLIS 69KV	6	0.0086	-0.2739	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	EUFULA 138KV	45.23867	0.01111	-0.27641	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	EUFULA 161KV	61.87933	0.01111	-0.27641	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	FITZHUGH 161KV	103	0.00706	-0.27238	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	FLINT CREEK 161KV	400	0.00844	-0.27374	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	FPLWIND2 34KV	21	0.00539	-0.27069	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	GREERS FERRY 161KV	82.90434	0.00074	-0.26604	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.27223	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.2724	3
GRDA	PENSACOLA 69KV	63	-0.2653	WFEC	HUGO 138KV	440	0.00599	-0.27129	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	JONESBORO 161KV	48	-0.0003	-0.265	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.2763	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	KNOXLEE 138KV	537	0.00689	-0.26987	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	LARUSSEL 161KV	100	-0.02811	-0.23719	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	LEBRACK 345KV	165	0.00369	-0.26899	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	MALDEN 69KV	3	-0.00073	-0.26457	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	MCLAIN 138KV	47	0.00569	-0.27169	3
GRDA	PENSACOLA 69KV	63	-0.2653	WFEC	MORLND 138KV	307.34	0.00539	-0.27069	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.27506	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	NORTHEASTERN STATION 138KV	468	0.00669	-0.27199	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	NORTHEASTERN STATION 345KV	625	0.00813	-0.27343	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	OEC 345KV	369	0.0101	-0.2764	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	OZARK 161KV	139.1039	0.00705	-0.27235	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	OZARK BEACH 161KV	16	-0.01041	-0.25489	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	PARAGOULD 69KV	3.4	-0.00043	-0.26487	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.26989	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	REDBUD 345KV	150	0.00713	-0.27243	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	RIVERTON 161KV	35	-0.05249	-0.21281	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	RIVERTON 69KV	45.06854	-0.05337	-0.21193	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.27459	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	SEMINOLE 345KV	449.2531	0.00878	-0.27208	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	SIKESTON 161KV	235	-0.00096	-0.26434	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	SMITH COGEN 138KV	107	0.00657	-0.27187	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	SOONER 138KV	535	0.0054	-0.27073	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	SOONER 345KV	537	0.00525	-0.26957	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	SOUTHWESTERN STATION 138KV	173	0.00616	-0.27146	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	SOUTHWESTERN STATION 138KV	145	0.00616	-0.27146	3
GRDA	PENSACOLA 69KV	63	-0.2653	OKGE	SPGCK1&2 13.200 345KV	10	0.00625	-0.27155	3
GRDA	PENSACOLA 69KV	63	-0.2653	EMDE	STATE LINE 161KV	254.7944	-0.04569	-0.21961	3
GRDA	PENSACOLA 69KV	63	-0.2653	SWPA	TRUMAN 161KV	90.47753	-0.005	-0.2569	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	WEATHERFORD 34KV	12	0.00572	-0.27102	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	WELSH 345KV	1044	0.00403	-0.26933	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	WILKES 138KV	241.8624	0.00381	-0.26911	3
GRDA	PENSACOLA 69KV	63	-0.2653	AEPW	WILKES 345KV	308	0.00376	-0.26906	3
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	KERR 115KV	13.5	0.1123	-0.1616	4
EMDE	RIVERTON 69KV	22.93145	-0.05337	GRDA	KERR 115KV	13.5	0.1123	-0.16567	4
EMDE	STATE LINE 161KV	351.2056	-0.04569	GRDA	KERR 115KV	13.5	0.1123	-0.15799	4
EMDE	ASBURY 161KV	20	-0.0318	GRDA	KERR 115KV	13.5	0.1123	-0.1441	5
SWPA	CARTHAGE 69KV	19	-0.03344	GRDA	KERR 115KV	13.5	0.1123	-0.15474	5
EMDE	LARUSSEL 161KV	196	-0.02811	GRDA	KERR 115KV	13.5	0.1123	-0.14041	5
AEPW	ARSENAL HILL 69KV	110	0.00345	GRDA	KERR 115KV	13.5	0.1123	-0.10885	6
SWPA	BEAVER 161KV	37.91901	-0.00839	GRDA	KERR 115KV	13.5	0.1123	-0.12069	6
SWPA	BROKEN BOW 138KV	27.09566	0.00673	GRDA	KERR 115KV	13.5	0.1123	-0.10857	6
SWPA	BULL SHOALS 161KV	139.9902	-0.00492	GRDA	KERR 115KV	13.5	0.1123	-0.10722	6
SWPA	CLARENCE CANNON DAM 69KV	14.256	-0.00315	GRDA	KERR 115KV	13.5	0.1123	-0.11545	6
AEPW	EASTMAN 138KV	330.01	0.00371	GRDA	KERR 115KV	13.5	0.1123	-0.10859	6
AEPW	FULTON 115KV	32.99999	0.00336	GRDA	KERR 115KV	13.5	0.1123	-0.10894	6
SWPA	GREERS FERRY 161KV	27.09566	0.00374	GRDA	KERR 115KV	13.5	0.1123	-0.10156	6
SWPA	JONESBORO 161KV	35.8	-0.0003	GRDA	KERR 115KV	13.5	0.1123	-0.11126	6
SWPA	KENNETT 69KV	29	-0.00061	GRDA	KERR 115KV	13.5	0.1123	-0.11291	6
AEPW	KNOXLEE 138KV	259	0.00369	GRDA	KERR 115KV	13.5	0.1123	-0.10849	6
AEPW	LEBRACK 345KV	532	0.00369	GRDA	KERR 115KV	13.5	0.1123	-0.10961	6
AEPW	LIEBERMAN 138KV	272	0.0035	GRDA	KERR 115KV	13.5	0.1123	-0.1088	6
AEPW	LONESTAR POWER PLANT 69KV	50	0.00384	GRDA	KERR 115KV	13.5	0.1123	-0.10846	6
AEPW	MALDEN 69KV	14	-0.00073	GRDA	KERR 115KV	13.5	0.1123	-0.11303	6
WFEC	MORLND 138KV	12.66	0.00539	GRDA	KERR 115KV	13.5	0.1123	-0.10691	6
AEPW	NARROWS 69KV	30	0.00449	GRDA	KERR 115KV	13.5	0.1123	-0.10762	6
AEPW	NORTH MARSHALL 69KV	5	0.00366	GRDA	KERR 115KV	13.5	0.1123	-0.10864	6
SWPA	PARAGOULD 69KV	14.1	-0.00043	GRDA	KERR 115KV	13.5	0.1123	-0.11273	6
SWPA	PIGGOTT 69KV	7.5	-0.00065	GRDA	KERR 115KV	13.5	0.1123	-0.11295	6
AEPW	PIRKEY GENERATION 138KV	65	0.00369	GRDA	KERR 115KV	13.5	0.1123	-0.10961	6
SWPA	POPULAR BLUFF 69KV	13	-0.00126	GRDA	KERR 115KV	13.5	0.1123	-0.10524	6
EMDE	RIVERTON 69KV	22.93145	-0.05337	GRDA	KERR 161KV	13.5	0.05348	-0.10685	6
EMDE	RIVERTON 69KV	22.93145	-0.05337	GRDA	SALINA 161KV	38.54893	0.05348	-0.10685	6
OKGE	SOONER 138KV	5	0.0054	GRDA	KERR 115KV	13.5	0.1123	-0.1069	6
OKGE	SOONER 345KV	9	0.00525	GRDA	KERR 115KV	13.5	0.1123	-0.10706	6
OKGE	SOUTH 4TH ST 69KV	42.7	0.00506	GRDA	KERR 115KV	13.5	0.1123	-0.10724	6
SWPA	TRUMAN 161KV	89.52267	-0.0054	GRDA	KERR 115KV	13.5	0.1123	-0.1177	6
AEPW	WILKES 138KV	246.1376	0.00381	GRDA	KERR 115KV	13.5	0.1123	-0.10849	6
AEPW	WILKES 345KV	3	0.00376	GRDA	KERR 115KV	13.5	0.1123	-0.10854	6
WFEC	ANADARKO 138KV	126.2439	0.00522	GRDA	KERR 115KV	13.5	0.1123	-0.10609	7
WFEC	ANADARKO 69KV	76	0.00621	GRDA	KERR 115KV	13.5	0.1123	-0.10609	7
AEPW	COGENTRIX 345KV	179	0.01044	GRDA	KERR 115KV	13.5	0.1123	-0.10186	7
AEPW	COMANCHE 138KV	15	0.00606	GRDA	KERR 115KV	13.5	0.1123	-0.10624	7
AEPW	COMANCHE 69KV	9	0.0061	GRDA	KERR 115KV	13.5	0.1123	-0.1062	7
SWPA	DENISON 138KV	17.18834	0.00676	GRDA	KERR 115KV	13.5	0.1123	-0.10554	7
AEPW	ELLIS 69KV	20	0.0086	GRDA	KERR 115KV	13.5	0.1123	-0.1037	7
SWPA	EUFULA 138KV	14.76134	0.01111	GRDA	KERR 115KV	13.5	0.1123	-0.10119	7
SWPA	EUFULA 161KV	20.12068	0.01111	GRDA	KERR 115KV	13.5	0.1123	-0.10119	7
AEPW	FITZHUGH 161KV	23	0.00706	GRDA	KERR 115KV	13.5	0.1123	-0.10524	7
AEPW	FLINT CREEK 161KV	28	0.00844	GRDA	KERR 115KV	13.5	0.1123	-0.10386	7
OKGE	HORSESHOE LAKE 138KV	694	0.00693	GRDA	KERR 115KV	13.5	0.1123	-0.10537	7
WFEC	HUGO 138KV	10	0.00599	GRDA	KERR 115KV	13.5	0.1123	-0.10631	7
SWPA	KEYSTONE DAM 161KV	64.88258	0.011	GRDA	KERR 115KV	13.5	0.1123	-0.1013	7
AEPW	KIDWA 345KV	1348	0.00696	GRDA	KERR 115KV	13.5	0.1123	-0.10544	7
OKGE	MCLAIN 138KV	50	0.00659	GRDA	KERR 115KV	13.5	0.1123	-0.10571	7
AEPW	MID-CONTINENT 138KV	142.11	0.0138	GRDA	KERR 115KV	13.5	0.1123	-0.0985	7
OKGE	MUSKOGEE 161KV	51	0.01511	GRDA	KERR 115KV	13.5	0.1123	-0.09719	7
OKGE	MUSKOGEE 345KV	17	0.00976	GRDA	KERR 115KV	13.5	0.1123	-0.10254	7
OKGE	MUSTANG 138KV	365.5	0.00654	GRDA	KERR 115KV	13.5	0.1123	-0.10576	7
OKGE	MUSTANG 69KV	106	0.00654	GRDA	KERR 115KV	13.5	0.1123	-0.10576	7
AEPW	NORTHEASTERN STATION 138KV	39.99994	0.00669	GRDA	KERR 115KV	13.5	0.1123	-0.10561	7
AEPW	NORTHEASTERN STATION 345KV	19.99997	0.00813	GRDA	KERR 115KV	13.5	0.1123	-0.10417	7
AEPW	OEC 345KV	179.03	0.0101	GRDA	KERR 115KV	13.5	0.1123	-0.1022	7
SWPA	OZARK 161KV	56.3961	0.00705	GRDA	KERR 115KV	13.5	0.1123	-0.10525	7
EMDE	REDBUD 345KV	1050	0.00713	GRDA	KERR 115KV	13.5	0.1123	-0.10517	7
OKGE	RIVERTON 161KV	295	-0.05249	GRDA	KERR 115KV	13.5	0.05348	-0.10597	7
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	SALINA 161KV	38.54893	0.0		

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

EMDE	ASBURY 161KV	20	-0.0319	GRDA	SALINA 161KV	38.5493	0.05348	-0.08528	8
SWPA	CARTHAGE 69KV	19	-0.0334	GRDA	KERR 161KV	13.5	0.05348	-0.08692	8
SWPA	CARTHAGE 69KV	19	-0.0334	GRDA	SALINA 161KV	38.5493	0.05348	-0.08692	8
GRDA	GRDA1 345KV	120	0.02324	GRDA	KERR 119KV	13.5	0.1123	-0.08906	8
EMDE	LARUSSEL 161KV	196	-0.02811	GRDA	KERR 161KV	13.5	0.05348	-0.08159	8
EMDE	LARUSSEL 161KV	196	-0.02811	GRDA	SALINA 161KV	38.5493	0.05348	-0.08159	8
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	GRDA1 161KV	65.32669	0.03453	-0.08702	8
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	SALINA 161KV	65.32669	0.03453	-0.08702	8
GRDA	GRDA1 161KV	124.6733	0.03453	GRDA	KERR 119KV	13.5	0.1123	-0.07777	9
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	GRDA1 345KV	100	0.02324	-0.07573	9
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	GRDA1 345KV	100	0.02324	-0.07661	9
EMDE	STATE LINE 161KV	351.2056	-0.04569	GRDA	GRDA1 161KV	65.32669	0.03453	-0.08022	9
EMDE	ASBURY 161KV	20	-0.0319	GRDA	GRDA1 161KV	65.32669	0.03453	-0.06633	10
SWPA	CARTHAGE 69KV	19	-0.0334	GRDA	GRDA1 161KV	65.32669	0.03453	-0.06797	10
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MUSKOGEE 161KV	115	0.01511	-0.0676	10
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MUSKOGEE 161KV	115	0.01511	-0.06848	10
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	WEBBERS FALLS 161KV	34.67633	0.01295	-0.06532	10
EMDE	STATE LINE 161KV	351.2056	-0.04569	GRDA	GRDA1 345KV	100	0.02324	-0.06893	10
SWPA	BEAVER 161KV	37.91901	-0.00839	GRDA	KERR 161KV	13.5	0.05348	-0.06187	11
SWPA	BEAVER 161KV	37.91901	-0.00839	GRDA	SALINA 161KV	38.5493	0.05348	-0.06187	11
EMDE	LARUSSEL 161KV	196	-0.02811	GRDA	GRDA1 161KV	65.32669	0.03453	-0.06264	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	AES 161KV	320	0.0081	-0.06059	11
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	BOOMER 69KV	24	0.00847	-0.06096	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	COGENTRIX 345KV	965	0.01044	-0.06293	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	ELLIS 69KV	6	0.0086	-0.06109	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	EUFULA 138KV	45.23867	0.01111	-0.06368	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	EUFULA 161KV	61.87933	0.01111	-0.0636	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	FLINT CREEK 161KV	400	0.00844	-0.06093	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.06349	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.06225	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	NORTHEASTERN STATION 345KV	625	0.00813	-0.06062	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	OEC 345KV	369	0.0101	-0.06259	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.06178	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	WEBBERS FALLS 161KV	34.67633	0.01295	-0.06544	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	AES 161KV	320	0.0081	-0.0612	11
EMDE	RIVERTON 161KV	295	-0.05249	GRDA	BOOMER 69KV	24	0.00847	-0.06184	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	COGENTRIX 345KV	965	0.01044	-0.06381	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	ELLIS 69KV	6	0.0086	-0.06197	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	EUFULA 138KV	45.23867	0.01111	-0.06448	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	EUFULA 161KV	61.87933	0.01111	-0.06448	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	FITZHUGH 161KV	103	0.00706	-0.06043	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	FLINT CREEK 161KV	400	0.00844	-0.06011	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.06183	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.05947	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.06437	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.06313	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	NORTHEASTERN STATION 345KV	625	0.00813	-0.0615	11
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	OEC 345KV	369	0.0101	-0.06247	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	OZARK 161KV	139.1039	0.00705	-0.06042	11
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	REDBUD 345KV	150	0.00713	-0.0605	11
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.06266	11
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	MUSKOGEE 161KV	115	0.01511	-0.06008	11
SWPA	BULL SHOALS 161KV	139.9902	-0.00492	GRDA	KERR 161KV	13.5	0.05348	-0.05847	12
SWPA	BULL SHOALS 161KV	139.9902	-0.00492	GRDA	SALINA 161KV	38.5493	0.05348	-0.0584	12
SWPA	CARTHAGE 69KV	19	-0.0334	GRDA	GRDA1 345KV	100	0.02324	-0.05668	12
SWPA	CLARENCE CANNON DAM 69KV	14.256	-0.00315	GRDA	KERR 161KV	13.5	0.05348	-0.05663	12
GRDA	CLARENCE CANNON DAM 69KV	14.256	-0.00315	GRDA	SALINA 161KV	38.5493	0.05348	-0.05663	12
EMDE	KERR 161KV	28.5	0.05348	GRDA	KERR 119KV	13.5	0.1123	-0.05748	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	ANADARKO 138KV	245.7561	0.00622	-0.05871	12
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.05822	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	CENTRAL WIND 34KV	30	0.00543	-0.05792	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	COMANCHE 138KV	145	0.00606	-0.05855	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	COMANCHE 69KV	60	0.0061	-0.05859	12
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	DENISON 138KV	52.81166	0.00676	-0.05925	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	EASTMAN 138KV	155	0.00371	-0.05652	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	FITZHUGH 161KV	103	0.00706	-0.05925	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	FRWIND 2 34KV	10	0.0025	-0.05788	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.05942	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.05959	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	HUGO 138KV	440	0.00599	-0.05848	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	KNOXLEE 138KV	164	0.00368	-0.05617	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	LEBROCK 345KV	165	0.00369	-0.05613	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MCLAIN 138KV	470	0.00659	-0.05908	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	MORLIND 138KV	307.34	0.00539	-0.05788	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	NORTHEASTERN STATION 138KV	468	0.00669	-0.05918	12
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	OZARK 161KV	139.1039	0.00705	-0.05854	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.05618	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	REDBUD 345KV	150	0.00713	-0.05962	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SEMINOLE 345KV	449.2531	0.00678	-0.05927	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SMITH COGEN 138KV	107	0.00657	-0.05926	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SOONER 138KV	535	0.0054	-0.05789	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SOONER 345KV	537	0.00525	-0.05774	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	SOUTHWESTERN STATION 138KV	173	0.00616	-0.05865	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	SOUTHWESTERN STATION 138KV	145	0.00616	-0.05865	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SPGCK182 13 200 345KV	10	0.0025	-0.05874	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	WEATHERFORD 34KV	12	0.00572	-0.05821	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	WELSH 345KV	1044	0.00403	-0.05652	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	WILKES 138KV	241.8624	0.00381	-0.0563	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	WILKES 345KV	308	0.00376	-0.05713	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	ANADARKO 138KV	245.7561	0.00622	-0.05959	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	BROKEN BOW 138KV	82.90434	0.00573	-0.0591	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	CENTRAL WIND 34KV	30	0.00543	-0.0588	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	COMANCHE 138KV	145	0.00606	-0.05943	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	COMANCHE 69KV	60	0.0061	-0.05947	12
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	DENISON 138KV	52.81166	0.00676	-0.06013	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	EASTMAN 138KV	155	0.00371	-0.05708	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	FRWIND 2 34KV	10	0.0025	-0.05976	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	HUGO 138KV	440	0.00599	-0.05848	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	KNOXLEE 138KV	164	0.00368	-0.05705	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	LEBROCK 345KV	165	0.00369	-0.05706	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	MCLAIN 138KV	470	0.00659	-0.05996	12
EMDE	RIVERTON 161KV	295	-0.05249	WFEC	MORLIND 138KV	307.34	0.00539	-0.05976	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	NORTHEASTERN STATION 138KV	468	0.00669	-0.06006	12
EMDE	RIVERTON 161KV	295	-0.05249	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.05706	12
EMDE	RIVERTON 161KV	295	-0.05249	OKGE	SEMINOLE 345KV				

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

SWPA	PIGGOTT 69KV	7.5	-0.00065	GRDA	SALINA 161KV	38.54893	0.06348	-0.05413	13
SWPA	POPLAR BLUFF 69KV	13	-0.00126	GRDA	KERR 161KV	13.5	0.06348	-0.05474	13
SWPA	POPLAR BLUFF 69KV	13	-0.00126	GRDA	SALINA 161KV	38.54893	0.06348	-0.05474	13
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	GREERS FERRY 161KV	82.90434	0.00074	-0.05233	13
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	JONESBORO 161KV	48	-0.0003	-0.05219	13
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	SIKESTON 161KV	235	-0.00096	-0.05153	13
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	GREERS FERRY 161KV	82.90434	0.00074	-0.05411	13
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	JONESBORO 161KV	48	-0.0003	-0.05207	13
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	SIKESTON 161KV	235	-0.00096	-0.05241	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	AES 161KV	320	0.0081	-0.05379	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	WFEC	ANADARKO 138KV	245.7961	0.00622	-0.05191	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	GRDA	BOOMER 69KV	24	0.00847	-0.05148	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.05142	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	COMANCHE 138KV	145	0.00606	-0.05175	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	COMANCHE 69KV	60	0.0061	-0.05179	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	DENISON 138KV	52.81166	0.00676	-0.05245	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	ELLIS 69KV	6	0.0086	-0.05429	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	FITZHUGH 161KV	103	0.00706	-0.05275	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	FLINT CREEK 161KV	400	0.00844	-0.05413	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.05262	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.05279	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	WFEC	HUGO 138KV	440	0.00599	-0.05168	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	MCCLEIN 138KV	470	0.00659	-0.05228	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	NORTHEASTERN STATION 138KV	468	0.00669	-0.05238	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	NORTHEASTERN STATION 345KV	625	0.00813	-0.05382	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	OZARK 161KV	130.1029	0.0067	-0.05274	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	REDBUD 345KV	150	0.00713	-0.05282	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.05498	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	SEMINOLE 345KV	445.231	0.00678	-0.05247	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	SMITH COGEN 138KV	107	0.00657	-0.05226	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	SOUTHWESTERN STATION 138KV	173	0.00616	-0.05185	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	SOUTHWESTERN STATION 338KV	145	0.00616	-0.05185	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	SPGCK1&2 13.200 345KV	10	0.00625	-0.05194	13
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	WEATHERFORD 34KV	12	0.00572	-0.05141	13
AEPW	ARSENAL HILL 69KV	110	0.00345	GRDA	KERR 161KV	13.5	0.06348	-0.05003	14
AEPW	ARSENAL HILL 69KV	110	0.00345	GRDA	SALINA 161KV	38.54893	0.06348	-0.05003	14
SWPA	BROKEN BOW 138KV	27.09566	0.00573	GRDA	KERR 161KV	13.5	0.06348	-0.04775	14
SWPA	BROKEN BOW 138KV	27.09566	0.00573	GRDA	SALINA 161KV	38.54893	0.06348	-0.04775	14
SWPA	CARTHAGE 69KV	31	-0.03344	OKGE	MUSKOGEE 161KV	115	0.01511	-0.04855	14
AEPW	EASTMAN 138KV	330.01	0.00371	GRDA	KERR 161KV	13.5	0.06348	-0.04977	14
AEPW	EASTMAN 138KV	330.01	0.00371	GRDA	SALINA 161KV	38.54893	0.06348	-0.04977	14
AEPW	FULTON 115KV	32.99999	0.00336	GRDA	KERR 161KV	13.5	0.06348	-0.05012	14
AEPW	FULTON 115KV	32.99999	0.00336	GRDA	SALINA 161KV	38.54893	0.06348	-0.05012	14
AEPW	KNOXLEE 138KV	259	0.00369	GRDA	KERR 161KV	13.5	0.06348	-0.04988	14
AEPW	KNOXLEE 138KV	259	0.00369	GRDA	SALINA 161KV	38.54893	0.06348	-0.04988	14
AEPW	LEBROCK 345KV	532	0.00369	GRDA	KERR 161KV	13.5	0.06348	-0.04979	14
AEPW	LEBROCK 345KV	532	0.00369	GRDA	SALINA 161KV	38.54893	0.06348	-0.04979	14
AEPW	LIEBERMAN 138KV	272	0.0035	GRDA	KERR 161KV	13.5	0.06348	-0.04968	14
AEPW	LIEBERMAN 138KV	272	0.0035	GRDA	SALINA 161KV	38.54893	0.06348	-0.04968	14
AEPW	LONESTAR POWER PLANT 69KV	50	0.00384	GRDA	KERR 161KV	13.5	0.06348	-0.04964	14
AEPW	LONESTAR POWER PLANT 69KV	50	0.00384	GRDA	SALINA 161KV	38.54893	0.06348	-0.04964	14
WFEC	MORLAND 138KV	12.68	0.00539	GRDA	KERR 161KV	13.5	0.06348	-0.04909	14
WFEC	MORLAND 138KV	12.68	0.00539	GRDA	SALINA 161KV	38.54893	0.06348	-0.04909	14
AEPW	NARROWS 69KV	30	0.00448	GRDA	KERR 161KV	13.5	0.06348	-0.049	14
AEPW	NARROWS 69KV	30	0.00448	GRDA	SALINA 161KV	38.54893	0.06348	-0.049	14
AEPW	NORTH MARSHALL 69KV	5	0.00366	GRDA	KERR 161KV	13.5	0.06348	-0.04982	14
AEPW	NORTH MARSHALL 69KV	5	0.00366	GRDA	SALINA 161KV	38.54893	0.06348	-0.04982	14
AEPW	PIRKEY GENERATION 138KV	65	0.00369	GRDA	KERR 161KV	13.5	0.06348	-0.04982	14
AEPW	PIRKEY GENERATION 138KV	65	0.00369	GRDA	SALINA 161KV	38.54893	0.06348	-0.04979	14
EMDE	RIVERTON 161KV	295	-0.05249	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.04934	14
EMDE	RIVERTON 161KV	295	-0.05249	EMDE	ELK RIVER 345KV	67.89618	-0.00408	-0.04841	14
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	BULL SHOALS 161KV	249.6308	-0.00452	-0.04845	14
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.05022	14
EMDE	RIVERTON 69KV	22.93145	-0.05337	EMDE	ELK RIVER 345KV	67.89618	-0.00408	-0.04929	14
EMDE	RIVERTON 69KV	22.93145	-0.05337	SWPA	TRUMAN 161KV	90.47733	-0.0054	-0.04797	14
OKGE	SOONER 138KV	5	0.0054	GRDA	KERR 161KV	13.5	0.06348	-0.04908	14
OKGE	SOONER 138KV	5	0.0054	GRDA	SALINA 161KV	38.54893	0.06348	-0.04908	14
OKGE	SOUTH 4TH ST 69KV	42.7	0.00506	GRDA	KERR 161KV	13.5	0.06348	-0.04942	14
OKGE	SOUTH 4TH ST 69KV	42.7	0.00506	GRDA	SALINA 161KV	38.54893	0.06348	-0.04942	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	CENTENAL WIND 34KV	30	0.00543	-0.05121	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	EASTMAN 138KV	115	0.0071	-0.04952	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	FPLWIND2 34KV	21	0.00539	-0.05108	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	KNOXLEE 138KV	164	0.00368	-0.04937	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	LEBROCK 345KV	165	0.00369	-0.04938	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	WFEC	MORLAND 138KV	307.34	0.00539	-0.05108	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.04938	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	SOONER 138KV	535	0.0054	-0.05109	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	OKGE	SOONER 345KV	537	0.00525	-0.05094	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	WELSH 345KV	1044	0.00403	-0.04972	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	WILKES 138KV	241.8624	0.0038	-0.04965	14
EMDE	STATE LINE 161KV	351.2056	-0.04569	AEPW	WILKES 345KV	308	0.00376	-0.04945	14
AEPW	WILKES 138KV	246.1376	0.00381	GRDA	KERR 161KV	13.5	0.06348	-0.04967	14
AEPW	WILKES 138KV	246.1376	0.00381	GRDA	SALINA 161KV	38.54893	0.06348	-0.04967	14
WFEC	ANADARKO 138KV	126.2439	0.00622	GRDA	KERR 161KV	13.5	0.06348	-0.04726	15
WFEC	ANADARKO 138KV	126.2439	0.00622	GRDA	SALINA 161KV	38.54893	0.06348	-0.04726	15
WFEC	ANADARKO 69KV	76	0.00621	GRDA	KERR 161KV	13.5	0.06348	-0.04727	15
WFEC	ANADARKO 69KV	76	0.00621	GRDA	SALINA 161KV	38.54893	0.06348	-0.04727	15
EMDE	ASBJURY 161KV	20	-0.0318	OKGE	MUSKOGEE 161KV	115	0.01511	-0.04691	15
EMDE	ASBJURY 161KV	20	-0.0318	SWPA	WEBBERS FALLS 161KV	34.67633	0.01285	-0.04475	15
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	WEBBERS FALLS 161KV	34.67633	0.01285	-0.04639	15
AEPW	COMANCHE 138KV	15	0.00606	GRDA	KERR 161KV	13.5	0.06348	-0.04742	15
AEPW	COMANCHE 138KV	15	0.00606	GRDA	SALINA 161KV	38.54893	0.06348	-0.04742	15
SWPA	DENISON 138KV	17.18834	0.00676	GRDA	KERR 161KV	13.5	0.06348	-0.04772	15
SWPA	DENISON 138KV	17.18834	0.00676	GRDA	SALINA 161KV	38.54893	0.06348	-0.04772	15
AEPW	ELLIS 69KV	20	0.0086	GRDA	KERR 161KV	13.5	0.06348	-0.04488	15
AEPW	ELLIS 69KV	20	0.0086	GRDA	SALINA 161KV	38.54893	0.06348	-0.04488	15
AEPW	FITZHUGH 161KV	23	0.00706	GRDA	KERR 161KV	13.5	0.06348	-0.04642	15
AEPW	FITZHUGH 161KV	23	0.00706	GRDA	SALINA 161KV	38.54893	0.06348	-0.04642	15
AEPW	FLINT CREEK 161KV	28	0.00844	GRDA	KERR 161KV	13.5	0.06348	-0.04504	15
AEPW	FLINT CREEK 161KV	28	0.00844	GRDA	SALINA 161KV	38.54893	0.06348	-0.04504	15
OKGE	HORSESHOE LAKE 138KV	694	0.00693	GRDA	KERR 161KV	13.5	0.06348	-0.04655	15
OKGE	HORSESHOE LAKE 138KV	694	0.00693	GRDA	SALINA 161KV	38.54893	0.06348	-0.04655	15
WFEC	HUGO 138KV	10	0.00599	GRDA	KERR 161KV	13.5</			

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

OKGE	TINKER 5G 138KV	62	0.00676	GRDA	KERR 161KV	13.5	0.05348	-0.04672	15
OKGE	TINKER 5G 138KV	62	0.00676	GRDA	SALINA 161KV	38.54893	0.05348	-0.04672	15
AEWP	TONTTOWN 161KV	346.12	0.00754	GRDA	KERR 161KV	13.5	0.05348	-0.04594	15
AEWP	TONTTOWN 161KV	346.12	0.00754	GRDA	SALINA 161KV	38.54893	0.05348	-0.04594	15
EMDE	ASBURY 161KV	20	-0.0318	AEWP	COGENTRIX 345KV	965	0.01044	-0.04224	16
EMDE	ASBURY 161KV	20	-0.0318	SWPA	EUFULLA 138KV	45.23967	0.01111	-0.04291	16
EMDE	ASBURY 161KV	20	-0.0318	SWPA	EUFULLA 161KV	61.87933	0.01111	-0.04291	16
EMDE	ASBURY 161KV	20	-0.0318	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.0428	16
SWPA	BEAVER 161KV	37.91901	-0.00839	GRDA	GRDA1 161KV	65.32669	0.03453	-0.04292	16
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	COGENTRIX 345KV	965	0.01044	-0.04388	16
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	ELLIS 69KV	6	0.0086	-0.04204	16
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	EUFULLA 138KV	45.23967	0.01111	-0.04455	16
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	EUFULLA 161KV	61.87933	0.01111	-0.04455	16
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.04444	16
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.0432	16
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	OC 345KV	369	0.0101	-0.04354	16
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.04273	16
AEWP	COGENTRIX 345KV	179	0.01044	GRDA	KERR 161KV	13.5	0.05348	-0.04304	16
AEWP	COGENTRIX 345KV	179	0.01044	GRDA	SALINA 161KV	38.54893	0.05348	-0.04304	16
SWPA	EUFULLA 138KV	14.76134	0.01111	GRDA	KERR 161KV	13.5	0.05348	-0.04237	16
SWPA	EUFULLA 138KV	14.76134	0.01111	GRDA	SALINA 161KV	38.54893	0.05348	-0.04237	16
SWPA	EUFULLA 161KV	20.12068	0.01111	GRDA	KERR 161KV	13.5	0.05348	-0.04237	16
SWPA	EUFULLA 161KV	20.12068	0.01111	GRDA	SALINA 161KV	38.54893	0.05348	-0.04237	16
SWPA	KEYSTONE DAM 161KV	64.88258	0.011	GRDA	KERR 161KV	13.5	0.05348	-0.04248	16
SWPA	KEYSTONE DAM 161KV	64.88258	0.011	GRDA	SALINA 161KV	38.54893	0.05348	-0.04248	16
OKGE	LARUSSEL 161KV	196	-0.02811	OKGE	MUSKOGEE 161KV	625	0.00813	-0.04119	16
OKGE	MUSKOGEE 345KV	17	0.00976	GRDA	KERR 161KV	13.5	0.05348	-0.04372	16
OKGE	MUSKOGEE 345KV	17	0.00976	GRDA	SALINA 161KV	38.54893	0.05348	-0.04372	16
AEWP	OC 345KV	1778.03	0.0101	GRDA	KERR 161KV	13.5	0.05348	-0.04338	16
AEWP	OC 345KV	1778.03	0.0101	GRDA	SALINA 161KV	38.54893	0.05348	-0.04338	16
EMDE	RIVERTON 161KV	295	-0.05249	EMDE	BEAVER 161KV	127.681	-0.00839	-0.0441	16
EMDE	RIVERTON 161KV	295	-0.05249	EMDE	OZARK BEACH 161KV	16	-0.01041	-0.04208	16
EMDE	RIVERTON 69KV	22.93145	-0.05337	EMDE	OZARK BEACH 161KV	16	-0.01041	-0.04296	16
SWPA	ROBERT S. KERR 161KV	103.9156	0.00929	GRDA	KERR 161KV	13.5	0.05348	-0.04119	16
SWPA	ROBERT S. KERR 161KV	103.9156	0.00929	GRDA	SALINA 161KV	38.54893	0.05348	-0.04119	16
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.04254	16
AEWP	TULSA POWER STATION 138KV	307	0.01098	GRDA	KERR 161KV	13.5	0.05348	-0.0425	16
AEWP	TULSA POWER STATION 138KV	307	0.01098	GRDA	SALINA 161KV	38.54893	0.05348	-0.0425	16
AEWP	TULSA POWER STATION 69KV	80	0.01098	GRDA	KERR 161KV	13.5	0.05348	-0.0425	16
AEWP	TULSA POWER STATION 69KV	80	0.01098	GRDA	SALINA 161KV	38.54893	0.05348	-0.0425	16
AEWP	WEELETKA 138KV	162	0.0094	GRDA	KERR 161KV	13.5	0.05348	-0.04408	16
AEWP	WEELETKA 138KV	162	0.0094	GRDA	SALINA 161KV	38.54893	0.05348	-0.04408	16
EMDE	ASBURY 161KV	20	-0.0318	OKGE	AES 161KV	320	0.0081	-0.0399	17
EMDE	ASBURY 161KV	20	-0.0318	AEWP	BOOMER 69KV	24	0.0084	-0.04027	17
EMDE	ASBURY 161KV	20	-0.0318	AEWP	ELLIS 69KV	6	0.0086	-0.0404	17
EMDE	ASBURY 161KV	20	-0.0318	AEWP	FLINT CREEK 161KV	400	0.00844	-0.04024	17
EMDE	ASBURY 161KV	20	-0.0318	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.04156	17
EMDE	ASBURY 161KV	20	-0.0318	AEWP	NORTHEASTERN STATION 345KV	625	0.00813	-0.04157	17
EMDE	ASBURY 161KV	20	-0.0318	AEWP	OC 345KV	369	0.0101	-0.0419	17
EMDE	ASBURY 161KV	20	-0.0318	SWPA	ROBERT S. KERR 161KV	284.7844	0.00929	-0.04109	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	AES 161KV	320	0.0081	-0.04154	17
SWPA	CARTHAGE 69KV	19	-0.03344	WFEC	ANADARKO 138KV	245.7561	0.00622	-0.03966	17
SWPA	CARTHAGE 69KV	19	-0.03344	GRDA	BOOMER 69KV	24	0.0084	-0.04161	17
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	DENISON 138KV	52.81166	0.00676	-0.04002	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	FITZHUGH 161KV	103	0.00706	-0.0405	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	FLINT CREEK 161KV	400	0.00844	-0.04188	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.04037	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	HORSESHOE LAKE 69KV	16	0.007	-0.04024	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	MCCLAIN 138KV	470	0.00599	-0.04003	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	NORTHEASTERN STATION 48KV	468	0.00669	-0.04013	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	NORTHEASTERN STATION 345KV	625	0.00813	-0.04157	17
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	OZARK 161KV	139.1039	0.00724	-0.04049	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	REDBUD 345KV	150	0.00713	-0.04057	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	SEMINOLE 345KV	449.2531	0.00678	-0.04022	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	SMITH COGEN 138KV	107	0.00657	-0.04001	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	SOUTHWESTERN STATION 138KV	173	0.00616	-0.0396	17
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	SOUTHWESTERN STATION 138KV	173	0.00616	-0.0396	17
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	SPGK182 13.200 345KV	10	0.00625	-0.03969	17
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	WEBBERS FALLS 161KV	34.67633	0.01295	-0.04106	17
AEWP	MID-CONTINENT 138KV	142.11	0.0138	GRDA	KERR 161KV	13.5	0.05348	-0.03968	17
AEWP	MID-CONTINENT 138KV	142.11	0.0138	GRDA	SALINA 161KV	38.54893	0.05348	-0.03968	17
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	BULL SHOALS 161KV	249.6098	-0.00492	-0.04077	17
EMDE	STATE LINE 161KV	351.2056	-0.04569	EMDE	ELK RIVER 345KV	67.89618	-0.00408	-0.04161	17
EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	TRUMAN 161KV	90.47733	-0.0054	-0.04029	17
SWPA	TRUMAN 161KV	89.52267	-0.0054	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03993	17
SWPA	WEBBERS FALLS 161KV	34.32367	0.01295	GRDA	KERR 161KV	13.5	0.05348	-0.04053	17
SWPA	WEBBERS FALLS 161KV	34.32367	0.01295	GRDA	SALINA 161KV	38.54893	0.05348	-0.04053	17
EMDE	ASBURY 161KV	20	-0.0318	WFEC	ANADARKO 138KV	245.7561	0.00622	-0.03802	18
EMDE	ASBURY 161KV	20	-0.0318	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.03753	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	COMANCHE 138KV	145	0.00606	-0.03786	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	COMANCHE 69KV	60	0.0061	-0.0379	18
EMDE	ASBURY 161KV	20	-0.0318	SWPA	DENISON 138KV	52.81166	0.00676	-0.03856	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	FITZHUGH 161KV	103	0.00706	-0.0386	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.03873	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	HORSESHOE LAKE 69KV	16	0.007	-0.0386	18
EMDE	ASBURY 161KV	20	-0.0318	WFEC	HUGO 138KV	440	0.00599	-0.03779	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	MCCLAIN 138KV	470	0.00599	-0.03839	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	NORTHEASTERN STATION 138KV	468	0.00669	-0.03849	18
EMDE	ASBURY 161KV	20	-0.0318	SWPA	OZARK 161KV	139.1039	0.00724	-0.03885	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	REDBUD 345KV	150	0.00713	-0.03893	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	SEMINOLE 345KV	449.2531	0.00678	-0.03858	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	SMITH COGEN 138KV	107	0.00657	-0.03837	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	SOUTHWESTERN STATION 138KV	173	0.00616	-0.03796	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	SOUTHWESTERN STATION 138KV	173	0.00616	-0.03796	18
EMDE	ASBURY 161KV	20	-0.0318	OKGE	SPGK182 13.200 345KV	10	0.00625	-0.03805	18
EMDE	ASBURY 161KV	20	-0.0318	AEWP	WATHERFORD 34KV	12	0.00572	-0.03752	18
SWPA	BULL SHOALS 161KV	139.9902	-0.00492	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03945	18
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.03817	18
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	CENTENAL WIND 34KV	30	0.00543	-0.03887	18
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	COMANCHE 138KV	145	0.00606	-0.0395	18
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	COMANCHE 69KV	60	0.0061	-0.03954	18
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	FPLWIND2 34KV	21	0.00539	-0.03883	18
SWPA	CARTHAGE 69KV	19	-0.03344	WFEC	HUGO 138KV	440	0.00599	-0.03747	18
SWPA	CARTHAGE 69KV	19	-0.03344	WFEC	MORLND 138KV	307.34	0.00539	-0.03883	18
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	SOONER 138KV	535	0.0054	-0.03884	18
SWPA	CARTHAGE 69KV	19	-0.03344	OKGE	SOONER 345KV	537	0.00525	-0.03869	18
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	WEATHERFORD 34KV	12	0.00572	-0.03816	18
SWPA	CARTHAGE 69KV	19	-0.03344	AEWP	WELSH 345KV	1044	0.00403	-0.03747	18
SWPA	CLARENCE CANNON DAM 69KV	14.256	-0.00315	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03768	18
EMDE	LARUSSEL 161KV	196	-0.02811	AEWP	COGENTRIX 345KV	965	0.01044	-0.03855	18
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	EUFULLA 138KV	45.23967	0.01111	-0.03922	18
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	EUFULLA 161KV	61.87933	0.01111	-0.03922	18
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	KEYSTONE DAM 161KV	135.3174	0.011	-0.03911	18
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	MUSKOGEE 345KV	1548	0.00976	-0.03787	18
EMDE	LARUSSEL 161KV	196	-0.02811	AEWP	OC 345KV	369	0.0101	-0.03821	18
OKGE	MUSKOGEE 161KV	51	0.01511	GRDA	KERR 161KV	13.5	0.05348	-0.03837	18
OKGE	MUSKOGEE 161KV	51	0.01511	GRDA	SALINA 161KV	38.54893	0.05348</		

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

EMDE	STATE LINE 161KV	351.2056	-0.04569	SWPA	BEAVER 161KV	127.681	-0.00839	-0.0373	19
EMDE	ASBURY 161KV	20	-0.0318	AEPW	KNOXLEE 138KV	164	0.00369	-0.0348	20
EMDE	ASBURY 161KV	20	-0.0318	AEPW	LEBROCK 345KV	165	0.00369	-0.0348	20
EMDE	ASBURY 161KV	20	-0.0318	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.0348	20
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	GREERS FERRY 161KV	82.90434	0.00074	-0.03418	20
SWPA	GREERS FERRY 161KV	27.09566	0.00074	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03379	20
SWPA	JONESBORO 161KV	35.8	-0.0003	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03483	20
SWPA	KENNETT 69KV	29	-0.00081	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03514	20
EMDE	LARUSSEL 161KV	196	-0.02811	WFEC	ANADARKO 138KV	245.7561	0.00622	-0.03433	20
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	BROKEN BOW 138KV	82.90434	0.00573	-0.03384	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	COMANCHE 138KV	145	0.00606	-0.03417	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	COMANCHE 69KV	60	0.00611	-0.03421	20
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	DENISON 138KV	52.81166	0.00676	-0.03467	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	FITZHUGH 161KV	103	0.00706	-0.03517	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	HORSESHOE LAKE 138KV	166	0.00693	-0.03504	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	HORSESHOE LAKE 69KV	16	0.0071	-0.03521	20
EMDE	LARUSSEL 161KV	196	-0.02811	WFEC	HUGO 138KV	440	0.00599	-0.0341	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	MCCLAIN 138KV	470	0.00659	-0.0347	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	NORTHEASTERN STATION 138KV	468	0.00669	-0.0348	20
EMDE	LARUSSEL 161KV	196	-0.02811	SWPA	OZARK 161KV	139.1039	0.00705	-0.03516	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	REDBUD 345KV	150	0.00713	-0.03524	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	SEMINOLE 345KV	440.2531	0.00678	-0.03489	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	SMITH COGEN 138KV	107	0.00657	-0.03468	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	SOUTHWESTERN STATION 138KV	173	0.00616	-0.03427	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	SOUTHWESTERN STATION 138KV	145	0.00616	-0.03427	20
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	SPICKARD 13.200 345KV	10	0.00625	-0.03426	20
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	WEATHERFORD 34KV	12	0.00572	-0.03383	20
SWPA	MALDEN 69KV	14	-0.00073	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03526	20
SWPA	PARAGOULD 69KV	14.1	-0.00043	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03496	20
SWPA	PIGOTT 69KV	7.5	-0.00065	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03516	20
EMDE	STATE LINE 161KV	351.2056	-0.04569	EMDE	OZARK BEACH 161KV	16	-0.01041	-0.03528	20
EMDE	ASBURY 161KV	20	-0.0318	SWPA	GREERS FERRY 161KV	82.90434	0.00074	-0.03254	21
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	JONESBORO 161KV	48	-0.0003	-0.03314	21
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	SIKESSTON 161KV	235	-0.00096	-0.03248	21
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	CENTENIAL WIND 34KV	30	0.00543	-0.03354	21
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	FPLWIND2 34KV	21	0.00539	-0.0335	21
EMDE	LARUSSEL 161KV	196	-0.02811	WFEC	MORLIND 138KV	307.34	0.00539	-0.0335	21
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	SOONER 138KV	535	0.0054	-0.03351	21
EMDE	LARUSSEL 161KV	196	-0.02811	OKGE	SOONER 345KV	537	0.00525	-0.03336	21
AEPW	ARSENAL HILL 69KV	110	0.00345	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03108	22
EMDE	ASBURY 161KV	20	-0.0318	SWPA	JONESBORO 161KV	48	-0.0003	-0.0315	22
EMDE	ASBURY 161KV	20	-0.0318	SWPA	SIKESSTON 161KV	235	-0.00096	-0.03084	22
SWPA	BEAVER 161KV	37.91901	-0.00839	GRDA	GRDA1 345KV	100	0.02324	-0.03163	22
AEPW	EASTMAN 138KV	330.01	0.00371	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03163	22
AEPW	FULTON 115KV	32.99999	0.00336	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03117	22
AEPW	KNOXLEE 138KV	259	0.00368	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03085	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	EASTMAN 138KV	155	0.00371	-0.03182	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	KNOXLEE 138KV	155	0.00368	-0.03163	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	LEBROCK 345KV	165	0.00369	-0.0318	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	PIRKEY GENERATION 138KV	223	0.00369	-0.0318	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	WELSH 345KV	1044	0.00403	-0.03214	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	WILKES 138KV	241.8624	0.00381	-0.03192	22
EMDE	LARUSSEL 161KV	196	-0.02811	AEPW	WILKES 138KV	308	0.00378	-0.03167	22
AEPW	LEBROCK 345KV	532	0.00369	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03084	22
AEPW	LIEBERMAN 138KV	272	0.0035	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03103	22
AEPW	PIRKEY GENERATION 138KV	65	0.00369	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03084	22
SWPA	CARTHAGE 69KV	19	-0.03344	SWPA	CLARENCE CANNON DAM 69KV	33.744	-0.00315	-0.03029	23
GRDA	GRDA1 345KV	120	0.02324	GRDA	KERR 161KV	15.6	0.05348	-0.03024	23
GRDA	GRDA1 345KV	120	0.02324	GRDA	SALINA 161KV	38.54893	0.05348	-0.03024	23
AEPW	LONESTAR POWER PLANT 69KV	50	0.00384	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03069	23
AEPW	NARROWS 69KV	30	0.00448	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03005	23
AEPW	WILKES 138KV	246.1376	0.00381	GRDA	GRDA1 161KV	65.32669	0.03453	-0.03072	23

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: LAKE ROAD 161/34.5KV TRANSFORMER
 Limiting Facility: LAKE ROAD 161/34.5KV TRANSFORMER CKT 2
 Direction: From->To
 Line Outage: LAKE ROAD 161/34.5KV TRANSFORMER CKT 1
 Flowgate: 2007AG1AFSA117305508SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1223092	1.9	7.5
1223093	1.9	7.5
1223094	1.9	7.5
1223095	1.9	7.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	LAKE ROAD 161KV	91	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BEAVER 161KV	144.0322	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	INDN	BLUE VALLEY 69KV	85.97723	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	BPU - CITY OF MCPHERSON 115KV	48.56152	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BROKEN BOW 138KV	94.00279	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	BULL CREEK 161KV	308	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BULL SHOALS 161KV	280.2235	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	CARTHAGE 69KV	32	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CHANUTE 69KV	56.037	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF FREDONIA 69KV	3.19	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF GIRARD 69KV	3.6	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF MULVANE 69KV	6.28	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF WINFIELD 69KV	12.69001	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	CLARENCE CANNON DAM 69KV	39.57953	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	DENISON 138KV	59.89207	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	EMPORIA ENERGY CENTER 345KV	910	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	EUFALLA 138KV	51.3644	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	EUFALLA 161KV	70.10546	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	MIPU	GREENWOOD 161KV	68.99993	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	GREERS FERRY 161KV	94.00279	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	HAWTHORN 161KV	762	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	HOLTON 115KV	12.2	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	IATAN 345KV	306	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	JONESBORO 161KV	47	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	KEYSTONE DAM 161KV	151.1184	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	MIPU	LAKE ROAD 34KV	92	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	WERE	LAWRENCE ENERGY CENTER 230KV	233.788	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	SWPA	MALDEN 69KV	7	0	-1	7
MIPU	LAKE ROAD 161KV	91	-1	KACP	MARSHALL 161KV				

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

MIPU	LAKE ROAD 161KV		91	-1	MIPU	SOUTH HARPER 161KV		315	0	-1	7
MIPU	LAKE ROAD 161KV		91	-1	WERE	SOUTH SENeca 115KV		8.5	0	-1	7
MIPU	LAKE ROAD 161KV		91	-1	INDN	SUB H 69KV	13,180	0	-1	7	
MIPU	LAKE ROAD 161KV		91	-1	WERE	TECUMSEH ENERGY CENTER 115KV		133	0	-1	7
MIPU	LAKE ROAD 161KV		91	-1	SWPA	TRUMAN 161KV	102,728	0	-1	7	
MIPU	LAKE ROAD 161KV		91	-1	SWPA	WEBBERS FALLS 161KV	39,266	99	0	-1	7

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: LAKE ROAD 161/34.5KV TRANSFORMER
 Limiting Facility: LAKE ROAD 161/34.5KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: LAKE ROAD 161/34.5KV TRANSFORMER CKT 2
 Flowgate: 2007AG1AFSA117315508SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Unit EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1223092	2.0	8.2
1223093	2.0	8.2
1223094	2.0	8.2
1223095	2.0	8.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)	
MIPU	LAKE ROAD 161KV	91	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BEAVER 161KV	144,032	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	INDN	BLUE VALLEY 69KV	85,977	23	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	WERE	BPU - CITY OF MCPHERSON 115KV	48,561	52	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BROKEN BOW 138KV	94,002	79	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	KACP	BULL CREEK 161KV	308	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	BULL SHOALS 161KV	280,223	35	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	SWPA	CARTHAGE 69KV	32	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CHANUTE 69KV	56,037	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF AUGUSTA 69KV	20,02	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF BURLINGTON 69KV	10048,25	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF FREDONIA 69KV	3,19	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF GIRARD 69KV	3,6	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	CITY OF HIGGINSVILLE 69KV	30,901	6	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF MULVANE 69KV	8,29	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	CITY OF WINFIELD 69KV	12,690	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	CLARENCE CARROLL DAM 69KV	39,573	53	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	WERE	CLAY CENTER JUNCTION 115KV	16,55	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19,98	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	DENISON 138KV	59,892	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	EMPIRIA ENERGY CENTER 345KV	610	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	EUFULA 138KV	51,364	4	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	EUFULA 161KV	70,105	46	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22,977	78	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	MIPU	GREENWOOD 161KV	68,799	93	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	SWPA	GREERS FERRY 161KV	94,002	79	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	KACP	HAWTHORN 161KV	752	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	HOLTON 115KV	12,2	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	IATAN 345KV	396	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	JONESBORO 161KV	47	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	KEYSTONE DAM 161KV	151,184	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	MIPU	LAKE ROAD 345KV	77	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	LAWRENCE ENERGY CENTER 230KV	233,788	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	MALDEN 69KV	7	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	MARSHALL 161KV	15	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	INDN	MCCOY 69KV	26	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	MONTRÖSE 161KV	355,824	3	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	NORTHEAST 13KV	110	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	NORTHEAST 161KV	105,501	9	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	OZARK 161KV	150,325	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	KACP	PAGLA COMBUSTION TURBINES 161KV	77	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	PARAGOULD 69KV	5,5	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	ROBERT S. KERR 161KV	315,524	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	MIPU	SIBLEY 161KV	231,504	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	MIPU	SIBLEY 69KV	45,999	99	0	-1	8
MIPU	LAKE ROAD 161KV	91	-1	SWPA	SIKESTON 161KV	235	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	SMOKEY HILLS 34KV	76	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	MIPU	SOUTH HARPER 161KV	315	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	SOUTH SENeca 115KV	8.5	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	INDN	SUB H 69KV	13,180	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	WERE	TECUMSEH ENERGY CENTER 115KV	133	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	TRUMAN 161KV	102,728	0	-1	8	
MIPU	LAKE ROAD 161KV	91	-1	SWPA	WEBBERS FALLS 161KV	39,266	99	0	-1	8

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: LEHIGH TAP - OWL CREEK 69KV CKT 1
 Limiting Facility: LEHIGH TAP - OWL CREEK 69KV CKT 1
 Direction: To->From
 Line Outage: ALLEN - LEHIGH TAP 69KV CKT 1
 Flowgate: 2007AG1AFSA11781108SP
 Date Redispatch Needed: 6/1/09 - 10/1/09
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	5.0	6.3
1222932	1.3	6.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)	
WERE	CITY OF IOLA 69KV	42,878	-1	WEPF	A. M. MULLERGEREN GENERATOR 115KV	63	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	OKGE	AES 161KV	320	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	EMDE	ASBURY 161KV	191	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	BPU - CITY OF MCPHERSON 115KV	71,180	18	0	-1	6
WERE	CITY OF IOLA 69KV	42,878	-1	KACP	BULL CREEK 161KV	308	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	OKGE	CENTENIAL WIND 34KV	120	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CHANUTE 69KV	56,037	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF AUGUSTA 69KV	20,02	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF BURLINGTON 69KV	10048,25	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF ERIE 69KV	2	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF FREDONIA 69KV	3,19	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF GIRARD 69KV	3,6	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	KACP	CITY OF HIGGINSVILLE 69KV	30,902	7	0	-1	6
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF MULVANE 69KV	8,29	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CITY OF WINFIELD 69KV	26,310	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	CLAY CENTER JUNCTION 115KV	16,55	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WEPF	CLIFTON 115KV	45,555	58	0	-1	6
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19,98	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	COGENTRIX 345KV	665	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	MIDW	COLBY 115KV	13,139	45	0	-1	6
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	COMANCHE 138KV	145	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	COMANCHE 69KV	60	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	EASTMAN 138KV	155	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	EMDE	ELK RIVER 345KV	45,275	62	0	-1	6
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	ELLIS 69KV	6	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	EMPIRIA ENERGY CENTER 345KV	310	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	FITZUGH 161KV	85	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	AEWP	FLINT CREEK 161KV	400	0	-1	6	
WERE	CITY OF IOLA 69KV	42,878	-1	OKGE	FPLWIND2 34KV	102	0	-1	6	

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

WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GRAY COUNTY WIND FARM 115KV	76	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4757	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	GREENWOOD 161KV	247.8	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	HARPER 138KV	8.49	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	HAWTHORN 161KV	762	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HOLTON 115KV	12.2	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 138KV	728.2695	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 69KV	16	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	295	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	IATAN 345KV	396	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	JUDSON LARGE 115KV	100.3779	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	KNOLL 115KV	42.88009	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	KNOXLEE 138KV	294	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	LAKE ROAD 161KV	35	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	LAKE ROAD 34KV	92	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	LARUSSEL 161KV	100	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	LAWRENCE ENERGY CENTER 230KV	233.4687	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	LEBROCK 345KV	315	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	LIEBERMAN 138KV	86.09399	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MCCOY 138KV	30	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	MONTROSE 161KV	353.054	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 161KV	166	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSKOGEE 345KV	1548	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	MUSTANG 138KV	351	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NARROWS 69KV	22	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 161KV	64.92487	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	NEARMAN 20KV	234.5	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	NORTHEAST 138KV	61.76416	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	NORTHEAST 161KV	35	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 138KV	488	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	NORTHEASTERN STATION 345KV	625	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	OEC 345KV	356	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	OZARK BEACH 161KV	16	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	PIRKEY GENERATION 138KV	253	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 161KV	117.3961	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	KACY	QUINDARO 69KV	72	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	RALPH GREEN 69KV	28.00073	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	REDBUD 345KV	100	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 161KV	190	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	RIVERTON 69KV	50.19963	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 138KV	348.1688	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SEMINOLE 345KV	1019	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	SIBLEY 161KV	233.8143	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	SIBLEY 69KV	45.99999	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SMITH COGEN 138KV	107	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 138KV	436	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SOONER 345KV	537	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	SOUTH HARPER 161KV	315	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	SOUTH SENECA 115KV	8.5	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	287	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	SOUTHWESTERN STATION 138KV	69	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK182 13.200 345KV	78	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	SPGCK384 13.200 345KV	3	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	STATE LINE 161KV	582.7666	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	TCCUMSEN ENERGY CENTER 115KV	153	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	TULSA POWER STATION 138KV	299	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WEATHERFORD 34KV	148	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WELSH 345KV	1044	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 138KV	422.7013	0	-1	6
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	WILKES 345KV	308	0	-1	6

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: LEHIGH TAP - OWL CREEK 69KV CKT 1
 Limiting Facility: LEHIGH TAP - OWL CREEK 69KV CKT 1
 Direction: To-From
 Line Outage: ALLEN - LEHIGH TAP 69KV CKT 1
 Flowgate: 2007AG1AFS4111904109SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	5.3	7.4
1222932	1.4	7.4
1222943	0.7	7.4

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	ABILENE ENERGY CENTER 115KV	40	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	AES 161KV	320	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	ASBURY 161KV	191	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	BPU - CITY OF MCPHERSON 115KV	57.67822	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	BULL CREEK 161KV	308	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	CENTRAL WIND 34KV	120	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CHANUTE 69KV	56.037	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF AUGUSTA 69KV	20.02	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF BURLINGTON 69KV	10048.25	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF FREDONIA 69KV	3.19	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF GIRARD 69KV	3.6	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF MULVANE 69KV	8.29	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CITY OF WINFIELD 69KV	12.69001	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	CLAY CENTER JUNCTION 115KV	16.55	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	CLIFTON 115KV	51.81394	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	CLOUD COUNTY 34KV	100	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COGENTRIX 345KV	95	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	COLBY 115KV	11.84946	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COMANCHE 138KV	145	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	COMANCHE 69KV	60	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	EASTMAN 138KV	155	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	EMDE	EUK RIVER 345KV	44.93087	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	ELLIS 69KV	6.6	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EMPORIA ENERGY CENTER 345KV	610	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	EVANS ENERGY CENTER 138KV	535	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	FITZGUGH 161KV	109	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	FLINT CREEK 161KV	400	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	FPLW22 34KV	102	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 138KV	155	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GILL ENERGY CENTER 69KV	75	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	GRAY COUNTY WIND FARM 115KV	76	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	GREENWOOD 161KV	247.8	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	HARPER 138KV	8.600001	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	HAWTHORN 161KV	762	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HOLTON 115KV	12.2	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 138KV	725.3252	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	OKGE	HORSESHOE LAKE 69KV	16	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 115KV	295	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	IATAN 345KV	396	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	WEPL	JUDSON LARGE 115KV	103.1766	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	MIDW	KNOLL 115KV	69.85241	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	IAEPW	KNOXLEE 138KV	294	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	7
WERE	CITY OF IOLA 69KV	42.878	-1	MIFU	LAKE ROAD 161KV	35	0	-1	7

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

AEPW	OEC 345KV	1878.03	-0.06908	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.03764	-0.03144	389
AEPW	OEC 345KV	1878.03	-0.06908	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.03769	-0.03139	390
AEPW	COGENTRIX 345KV	694	-0.06881	WERE	EMPORIA ENERGY CENTER 345KV	490	-0.03936	-0.03045	402

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

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

Upgrade: OAK - RAINBOW 69KV CKT 1
Limiting Facility: OAK - RAINBOW 69KV CKT 1
Direction: From->To
Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
Flowgate: 2007AG1AFS41T2083309SP
Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	1.0	2.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	A. M. MULLERGEN GENERATOR 115KV	63	-0.00221	-0.69836	3
1222932	0.9	2.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00286	-0.69771	3
1222943	0.4	2.3	WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	AES 161KV	329	0.00127	-0.69784	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	ASBURY 161KV	191	-0.00064	-0.69993	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CENTENIAL WIND 34KV	16	0.00557	-0.70614	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CHANUTE 69KV	56.037	-0.00245	-0.69812	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF BURLINGTON 69KV	965	0.002	-0.69627	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF ERIE 69KV	2	-0.00245	-0.69812	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF FREDONIA 69KV	3.19	-0.00283	-0.69774	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF GIRARD 69KV	3.6	-0.0012	-0.69937	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF HIGGINSVILLE 69KV	30.9016	-0.00177	-0.6988	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CITY OF MULVANE 69KV	8.29	-0.00358	-0.69699	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.00286	-0.69771	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	CLIFTON 115KV	42.81384	-0.00267	-0.6979	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.0043	-0.69827	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	COGENTRIX 345KV	965	0.002	-0.70257	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	COLEBY 115KV	12.91524	-0.0014	-0.69917	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	COMANCHE 138KV	145	0.00353	-0.7041	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	COMANCHE 69KV	60	0.00353	-0.7041	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	EASTMAN 138KV	155	0.00137	-0.70194	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	ELK RIVER 345KV	44.93687	-0.00462	-0.69595	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	ELLIS 69KV	6.6	0.00124	-0.70181	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	EMPORIA ENERGY CENTER 345KV	502.2	-0.00302	-0.69755	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	EVANS ENERGY CENTER 138KV	535	-0.004	-0.69657	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	FITZLUIGH 161KV	109	0.00109	-0.70168	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	FLINT CREEK 161KV	400	0.00095	-0.70152	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	FPLWIND2 34KV	8	0.00564	-0.70621	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GILL ENERGY CENTER 138KV	155	-0.00266	-0.69791	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GILL ENERGY CENTER 69KV	75	-0.0048	-0.70009	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	GRAY COUNTY WIND FARM 115KV	110	0.0146	-0.69211	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4778	-0.00135	-0.69922	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HARPER 138KV	8.60001	-0.00248	-0.69809	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	HAWTHORN 161KV	749.4458	-0.00213	-0.69844	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HOLTON 115KV	12.2	-0.00279	-0.69778	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	HORSESHOE LAKE 138KV	796	0.00398	-0.70449	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	HORSESHOE LAKE 69KV	16	0.00382	-0.70439	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	HUTCHINSON ENERGY CENTER 115KV	200.8322	-0.0032	-0.69737	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	IATAN 345KV	396	-0.00229	-0.69828	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00279	-0.69779	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00276	-0.69781	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	JUDSON LARGE 115KV	105.7457	-0.00146	-0.69911	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIDW	KNOLL 115KV	68.58075	-0.0023	-0.69827	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	KNOXLEE 138KV	284	0.00136	-0.70193	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	LACY GENE 345KV	938	-0.00268	-0.69851	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIFU	LAKE ROAD 161KV	35	-0.00206	-0.69851	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIFU	LAKE ROAD 34KV	92	-0.00206	-0.69851	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	LARUSSEL 161KV	100	-0.00029	-0.70028	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	LAWRENCE ENERGY CENTER 230KV	233.9476	-0.00274	-0.69833	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	LEBRUCK 345KV	165	0.00158	-0.70193	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	LIEBERMAN 138KV	156	0.00127	-0.70184	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MCLAIN 138KV	470	0.00395	-0.70452	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACP	MONTROSE 161KV	372.4991	-0.00189	-0.69888	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSKOGEE 161KV	166	0.00174	-0.70231	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSKOGEE 345KV	1548	0.00183	-0.7024	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSTANG 138KV	351	0.00406	-0.70463	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	MUSTANG 69KV	74.3252	0.00409	-0.70466	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	NEARMAN 69KV	23	0.00168	-0.70221	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	NEARMAN 161KV	77	-0.00225	-0.69832	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	NEARMAN 20KV	235	-0.00225	-0.69832	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	NORTHEASTERN STATION 138KV	488	0.00188	-0.70245	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	NORTHEASTERN STATION 345KV	625	0.00113	-0.7017	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	OEC 345KV	389	0.00127	-0.70229	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.7005	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	PIRKEY GENERATION 138KV	243	0.00136	-0.70193	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	QUINDARO 161KV	118.0466	-0.00225	-0.69832	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	KACY	QUINDARO 69KV	116.3503	-0.00225	-0.69832	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	REDBUD 345KV	150	0.00386	-0.70443	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	RIVERTON 161KV	190	-0.00022	-0.70035	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE	RIVERTON 69KV	51.89206	-0.00016	-0.70041	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SEMINOLE 138KV	345.6682	0.00354	-0.70411	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SEMINOLE 345KV	1019	0.0032	-0.70411	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIFU	SIBLEY 161KV	229.6644	-0.00205	-0.69852	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIFU	SIBLEY 69KV	45.99999	-0.00206	-0.69851	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SMITH COGEN 138KV	107	0.00403	-0.7046	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	SMOKEY HILL 34KV	126	-0.00287	-0.69879	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SOONER 161KV	537	0.00198	-0.71155	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SOONER 345KV	537	0.00664	-0.70721	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	MIFU	SOUTH HARPER 161KV	248.2699	-0.0023	-0.69827	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	WERE	SOUTH SENECA 115KV	8.5	-0.00279	-0.69778	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	SOUTHWESTERN STATION 138KV	322	0.00361	-0.70418	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	AEPW	SOUTHWESTERN STATION 138KV	1046	0.00361	-0.70418	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SPGK1&2 13.200 345KV	78	0.0046	-0.70517	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	OKGE	SPGK3&4 13.200 345KV	11.89999	0.0046	-0.70517	3
			WERE	CITY OF WINFIELD 69KV	27.30999	-0.70057	EMDE					

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

Source	Sink	Maximum Decrement (MW)	Maximum Increment (MW)	Factor	Aggregate Relief Amount (MW)
CITY OF AUGUSTA 69KV	LEBROCK 345KV	17.94	-0.05627	1.6	0.00136
CITY OF AUGUSTA 69KV	LIEBERMAN 138KV	17.94	-0.05627	1.6	0.00127
CITY OF AUGUSTA 69KV	MUSKOGEE 161KV	17.94	-0.05627	1.6	0.00174
CITY OF AUGUSTA 69KV	MUSKOGEE 345KV	17.94	-0.05627	1.6	0.00183
CITY OF AUGUSTA 69KV	NARROWS 69KV	17.94	-0.05627	1.6	0.00164
CITY OF AUGUSTA 69KV	NORTHEASTERN STATION 138KV	17.94	-0.05627	1.6	0.00188
CITY OF AUGUSTA 69KV	NORTHEASTERN STATION 345KV	17.94	-0.05627	1.6	0.00113
CITY OF AUGUSTA 69KV	DEC 345KV	17.94	-0.05627	1.6	0.00122
CITY OF AUGUSTA 69KV	PIRKEY GENERATION 138KV	17.94	-0.05627	1.6	0.00136
CITY OF AUGUSTA 69KV	TONTITOWN 161KV	17.94	-0.05627	1.6	163.8579
CITY OF AUGUSTA 69KV	TULSA POWER STATION 138KV	17.94	-0.05627	1.6	299
CITY OF AUGUSTA 69KV	WELSH 345KV	17.94	-0.05627	1.6	1044
CITY OF AUGUSTA 69KV	WILKES 138KV	17.94	-0.05627	1.6	421.735
CITY OF AUGUSTA 69KV	WILKES 345KV	17.94	-0.05627	1.6	308
CITY OF AUGUSTA 69KV	GILL ENERGY CENTER 69KV	17.94	-0.05627	1.6	75
CITY OF AUGUSTA 69KV	LARUSSEL 161KV	17.94	-0.05627	1.6	100
CITY OF AUGUSTA 69KV	OZARK BEACH 161KV	17.94	-0.05627	1.6	16
CITY OF AUGUSTA 69KV	RIVERTON 161KV	17.94	-0.05627	1.6	190
CITY OF AUGUSTA 69KV	RIVERTON 69KV	17.94	-0.05627	1.6	51.89206
CITY OF AUGUSTA 69KV	STATE LINE 161KV	17.94	-0.05627	1.6	603.2796
CITY OF AUGUSTA 69KV	ASBURY 161KV	17.94	-0.05627	1.6	191
CITY OF AUGUSTA 69KV	CITY OF HIGGINSVILLE 69KV	17.94	-0.05627	1.6	30.9016
CITY OF AUGUSTA 69KV	GRAY COUNTY WIND FARM 115KV	17.94	-0.05627	1.6	110
CITY OF AUGUSTA 69KV	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	17.94	-0.05627	1.6	260.4778
CITY OF AUGUSTA 69KV	JUDSON LARGE 115KV	17.94	-0.05627	1.6	105.7457
CITY OF AUGUSTA 69KV	A M MULLERGENERATOR 115KV	17.94	-0.05627	1.6	83
CITY OF AUGUSTA 69KV	ABILENE ENERGY CENTER 115KV	17.94	-0.05627	1.6	40
CITY OF AUGUSTA 69KV	CHAMUTE 69KV	17.94	-0.05627	1.6	66.037
CITY OF AUGUSTA 69KV	CLAY CENTER JUNCTION 115KV	17.94	-0.05627	1.6	16.55
CITY OF AUGUSTA 69KV	CLIFTON 115KV	17.94	-0.05627	1.6	42.81384
CITY OF AUGUSTA 69KV	EMPORIA ENERGY CENTER 345KV	17.94	-0.05627	1.6	502.2
CITY OF AUGUSTA 69KV	GILL ENERGY CENTER 138KV	17.94	-0.05627	1.6	155
CITY OF AUGUSTA 69KV	HAWTHORN 161KV	17.94	-0.05627	1.6	749.4458
CITY OF AUGUSTA 69KV	IATAN 348KV	17.94	-0.05627	1.6	396
CITY OF AUGUSTA 69KV	JEFFREY ENERGY CENTER 230KV	17.94	-0.05627	1.6	470
CITY OF AUGUSTA 69KV	JEFFREY ENERGY CENTER 345KV	17.94	-0.05627	1.6	940
CITY OF AUGUSTA 69KV	KNOLL 115KV	17.94	-0.05627	1.6	68.58075
CITY OF AUGUSTA 69KV	LACYGNE UNIT 345KV	17.94	-0.05627	1.6	958
CITY OF AUGUSTA 69KV	LAKE ROAD 161KV	17.94	-0.05627	1.6	35
CITY OF AUGUSTA 69KV	LAKE ROAD 34KV	17.94	-0.05627	1.6	92
CITY OF AUGUSTA 69KV	LAWRENCE ENERGY CENTER 230KV	17.94	-0.05627	1.6	233.9476
CITY OF AUGUSTA 69KV	MONTROSE 161KV	17.94	-0.05627	1.6	372.4991
CITY OF AUGUSTA 69KV	NEARMAN 161KV	17.94	-0.05627	1.6	77
CITY OF AUGUSTA 69KV	NEARMAN 23KV	17.94	-0.05627	1.6	23
CITY OF AUGUSTA 69KV	QUINDARO 161KV	17.94	-0.05627	1.6	118.0466
CITY OF AUGUSTA 69KV	QUINDARO 69KV	17.94	-0.05627	1.6	116.3583
CITY OF AUGUSTA 69KV	SIBLEY 161KV	17.94	-0.05627	1.6	229.6644
CITY OF AUGUSTA 69KV	SIBLEY 69KV	17.94	-0.05627	1.6	45.99969
CITY OF AUGUSTA 69KV	SMOKEY HILLS 34KV	17.94	-0.05627	1.6	126
CITY OF AUGUSTA 69KV	SOUTH HARPER 161KV	17.94	-0.05627	1.6	248.2699
CITY OF AUGUSTA 69KV	TECUMSEH ENERGY CENTER 115KV	17.94	-0.05627	1.6	133
CITY OF AUGUSTA 69KV	EVANS ENERGY CENTER 138KV	17.94	-0.05627	1.6	335
CITY OF AUGUSTA 69KV	HUTCHINSON ENERGY CENTER 115KV	17.94	-0.05627	1.6	200.8322
CITY OF AUGUSTA 69KV	CITY OF BURLINGTON 69KV	17.94	-0.05627	1.6	10048.25
CITY OF AUGUSTA 69KV	COFFEY COUNTY NO. 2 SHARPE 69KV	17.94	-0.05627	1.6	19.98
CITY OF AUGUSTA 69KV	ELK RIVER 345KV	17.94	-0.05627	1.6	44.93687

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

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

Upgrade: OAK - RAINBOW 69KV CKT 1
 Limiting Facility: OAK - RAINBOW 69KV CKT 1
 Direction: From->To
 Line Outage: OAK - STROTHER FIELD (CITY OF WINFIELD) 69KV CKT 1
 Flowgate: 200TAG1AFSA11532308SH
 Date Redispatch Needed: 61 - 101 Unit End of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
122264	0.8	1.8
122232	0.7	1.6

Source Control Area	Source	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	A. M. MULLERGENERATOR 115KV	48.77484	-0.00172	0.69889	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	AES 161KV	320	0.00125	-0.70196	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	ASBURY 161KV	191	-0.00067	-0.70004	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CENTENIAL WIND 34KV	6	0.00551	-0.70622	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CHAMUTE 69KV	50.687	-0.0025	-0.69821	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF AUGUSTA 69KV	20.02	-0.05642	-0.64423	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00439	-0.69632	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF ERIE 69KV	2	-0.0025	-0.69821	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF FREDONIA 69KV	3.19	-0.00289	-0.69782	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF GIRARD 69KV	3.6	-0.00123	-0.69948	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CITY OF MULVANE 69KV	6.739	-0.00376	-0.69695	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.00258	-0.69813	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00439	-0.69632	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	COSENTRIX 345KV	865	0.00185	-0.70266	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	COLBY 115KV	13.22175	-0.00108	-0.69963	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	COMANCHE 138KV	145	0.0035	-0.70421	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	COMANCHE 69KV	60	0.0035	-0.70421	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	EASTMAN 138KV	155	0.00134	-0.70205	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	ELK RIVER 345KV	46.01746	-0.00474	-0.69597	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	ELLIS 69KV	6	0.00121	-0.70192	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	EVANS ENERGY CENTER 138KV	425	-0.00423	-0.69648	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	FITZHUGH 161KV	120	0.00106	-0.70177	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	FLINT CREEK 161KV	400	0.0068	-0.70163	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	FPLWIND2 34KV	27	0.00558	-0.70629	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	GILL ENERGY CENTER 138KV	155	-0.00284	-0.69787	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	GILL ENERGY CENTER 69KV	52	-0.00066	-0.70005	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	GRAY COUNTY WIND FARM 115KV	110	-0.00114	-0.69957	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4802	-0.00101	-0.69971	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HARPER 138KV	8.49	-0.00246	-0.69825	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HAWTHORN 161KV	455	-0.0021	-0.69861	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HOLTON 115KV	12.2	-0.00269	-0.69802	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HORSESHOE LAKE 138KV	352	0.00386	-0.70457	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HORSESHOE LAKE 69KV	16	0.00377	-0.70448	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HUTCHINSON ENERGY CENTER 115KV	243.2334	-0.00221	-0.6985	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.00221	-0.6985	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	IATAN 348KV	396	-0.00223	-0.69848	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00284	-0.69807	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00262	-0.69809	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	JUDSON LARGE 115KV	76.98138	-0.00115	-0.69956	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	KNOLL 115KV	41.07931	-0.00186	-0.69885	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	KNOWLEE 138KV	164	0.00133	-0.70204	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LACYGNE UNIT 345KV	958	-0.0027	-0.69801	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LAKE ROAD 161KV	35	-0.00201	-0.6987	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LAKE ROAD 34KV	92	-0.00201	-0.6987	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LARUSSEL 161KV	100	-0.0031	-0.7004	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LAWRENCE ENERGY CENTER 230KV	222.552	-0.0026	-0.69805	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	LEBROCK 345KV	315	0.00134	-0.70205	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	MCCLELLAN 138KV	470	0.00389	-0.7046	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	MONTROSE 161KV	236.9316	-0.00186	-0.69885	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	MUSKOGEE 161KV	138.124	0.0017	-0.70241	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	MUSKOGEE 345KV	1548	0.00194	-0.70205	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	MUSTANG 138KV	193	0.00401	-0.70472	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	NARROWS 69KV	22	0.00162	-0.70233	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	NEARMAN 161KV	52.19366	-0.00221	-0.6985	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	NEARMAN 23KV	23	-0.00221	-0.6985	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	NORTHEASTERN STATION 138KV	488	0.00164	-0.70255	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	NORTHEASTERN STATION 345KV	625	0.00109	-0.7018	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	DEC 345KV	369	0.00168	-0.70239	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	OZARK BEACH 161KV	16	-0.00009	-0.70062	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	PIRKEY GENERATION 138KV	239	0.00139	-0.70205	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	QUINDARO 161KV	118.0603	-0.00221	-0.6985	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	QUINDARO 69KV	72	-0		

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

WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	RIVERTON 161KV	66	-0.00266	-0.70045	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	RIVERTON 69KV	46.9599	-0.00019	-0.70052	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SEMINOLE 138KV	252.3339	0.03489	-0.70423	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SEMINOLE 345KV	523	0.00354	-0.70425	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SIBLEY 161KV	230.3362	-0.00201	-0.6987	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SIBLEY 69KV	45.99999	-0.00203	-0.69868	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SMITH COGEN 138KV	107	0.00398	-0.70469	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SMOKEY HILLS 34KV	126	0.00225	-0.69417	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SOONER 138KV	535	0.0109	-0.71161	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SOONER 345KV	537	0.00656	-0.70727	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	MIPU	SOUTH HARPER 161KV	214.205	-0.00227	-0.69844	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	WERE	SOUTH SENECA 115KV	9.5	-0.02689	-0.69802	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	SOUTHWESTERN STATION 138KV	230	0.00357	-0.70428	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	SOUTHWESTERN STATION 138KV	645	0.00357	-0.70428	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	OKGE	SPGCK182 13.200 345KV	10	0.00453	-0.70524	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	EMDE	STATE LINE 161KV	496.0889	-0.00023	-0.70048	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	TECHUMSEH ENERGY CENTER 115KV	133	-0.00294	-0.69771	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	TULSA POWER STATION 138KV	112	0.00195	-0.70266	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	WEATHERFORD 34KV	12	0.00377	-0.70448	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	WELSH 345KV	1044	0.00149	-0.7022	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	WILKES 138KV	206.7904	0.00139	-0.7021	2
WERE	CITY OF WINFIELD 69KV	40	-0.70071	IAEPW	WILKES 345KV	301.4253	0.00137	-0.70208	2
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SOONER 138KV	535	0.0109	-0.06732	24
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SOONER 345KV	537	0.00656	-0.06298	25
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	FRLWIND 34KV	27	0.00558	-0.062	26
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SPGCK182 13.200 345KV	10	0.00453	-0.06205	26
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	COGENTRIX 345KV	865	0.00195	-0.05837	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	COMANCHE 138KV	145	0.0035	-0.05992	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	COMANCHE 69KV	60	0.0035	-0.05992	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	HORSESHOE LAKE 138KV	352	0.00386	-0.0628	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	HORSESHOE LAKE 69KV	16	0.00377	-0.06019	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MCCLAIN 138KV	470	0.00389	-0.06031	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MUSTANG 138KV	193	0.00401	-0.06043	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	REDBUD 34KV	150	0.0038	-0.06022	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SEMINOLE 138KV	252.3339	0.03489	-0.05991	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SEMINOLE 345KV	523	0.00354	-0.05996	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	SMITH COGEN 138KV	107	0.00398	-0.0604	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	SOUTHWESTERN STATION 138KV	230	0.00357	-0.05999	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	SOUTHWESTERN STATION 138KV	645	0.00357	-0.05999	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	TULSA POWER STATION 138KV	112	0.00195	-0.05837	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	WEATHERFORD 34KV	12	0.00377	-0.06019	27
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	AES 161KV	320	0.00125	-0.05767	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	EASTMAN 138KV	155	0.00134	-0.05776	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	FTZAGH 161KV	120	0.00146	-0.05748	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	FLINT CREEK 161KV	400	0.00092	-0.05734	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	KNOXLEE 138KV	164	0.00133	-0.05775	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	LEBROCK 345KV	315	0.00134	-0.05776	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	WILKES 161KV	138.124	0.00177	-0.05817	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	OKGE	MUSKOGEE 345KV	1548	0.00179	-0.05821	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	NARROWS 69KV	22	0.00162	-0.05804	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	NORTHEASTERN STATION 138KV	488	0.00184	-0.05826	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	NORTHEASTERN STATION 345KV	625	0.00189	-0.05751	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	OCC 345KV	301.4253	0.00137	-0.0578	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.05633	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	PIRKEY GENERATION 138KV	213	0.00134	-0.05776	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	WELSH 345KV	1044	0.00149	-0.05791	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	WILKES 138KV	206.7904	0.00139	-0.05781	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	WILKES 345KV	301.4253	0.00137	-0.0578	28
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WEPL	A. M. MULLERGEREN GENERATOR 115KV	48.7744	-0.00172	-0.0547	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	ASBURY 161KV	191	-0.00067	-0.05575	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIDW	COLBY 15KV	13.22715	-0.00108	-0.05534	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	IAEPW	GILL ENERGY CENTER 69KV	52	-0.00086	-0.05576	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WEPL	GRAY COUNTY WIND FARM 115KV	110	-0.00114	-0.05528	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	260.4802	-0.00101	-0.05541	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WEPL	JUDSON LARGE 115KV	76.98138	-0.00115	-0.05527	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIDW	KNOLL 15KV	41.07931	-0.00186	-0.05456	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIPU	LAKE ROAD 161KV	35	-0.00201	-0.05441	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIPU	LAKE ROAD 34KV	92	-0.00201	-0.05441	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	LARUSSELL 161KV	100	-0.00031	-0.05611	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	MONTROSE 161KV	236.9316	-0.00186	-0.05456	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	RIVERTON 161KV	66	-0.00266	-0.05616	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	RIVERTON 69KV	46.95999	-0.00019	-0.05593	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIPU	SIBLEY 161KV	230.3362	-0.00201	-0.05441	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	STATE LINE 161KV	496.0889	-0.00023	-0.05619	29
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	SHANUTE 69KV	50.687	-0.0025	-0.05392	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	CLAY CENTER JUNCTION 115KV	112	-0.00258	-0.05384	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	GILL ENERGY CENTER 138KV	165	-0.00284	-0.05358	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	HAWTHORN 161KV	455	-0.0021	-0.05432	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	HOLTON 115KV	12.2	-0.00269	-0.05373	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	HUTCHINSON ENERGY CENTER 115KV	243.2234	-0.00221	-0.05541	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.00221	-0.05421	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	IATAN 345KV	396	-0.00223	-0.05419	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00264	-0.05378	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00262	-0.05398	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	LACYGNE UNIT 345KV	958	-0.002	-0.05372	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	LAWRENCE ENERGY CENTER 230KV	222.552	-0.00266	-0.05376	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	NEARMAN 161KV	52.19366	-0.00221	-0.05421	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	NEARMAN 20KV	235	-0.00221	-0.05421	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	QUINDARO 161KV	118.0683	-0.00221	-0.05421	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	KACP	QUINDARO 69KV	72	-0.00221	-0.05421	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIPU	SIBLEY 69KV	45.99999	-0.00203	-0.05439	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	SMOKEY HILLS 34KV	126	-0.00225	-0.05417	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	MIPU	SOUTH HARPER 161KV	214.205	-0.00227	-0.05413	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	TECHUMSEH ENERGY CENTER 115KV	133	-0.00294	-0.05348	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00439	-0.05203	31
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00439	-0.05203	31
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	EMDE	ELK RIVER 345KV	46.01746	-0.00474	-0.05168	31
WERE	CITY OF AUGUSTA 69KV	17.94	-0.05642	WERE	EVANS ENERGY CENTER 138KV	425	-0.00423	-0.05219	31

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: REDEL - STILWELL 161KV CKT 1
 Limiting Facility: REDEL - STILWELL 161KV CKT 1
 Direction: To->From
 Line Outage: PECULIAR - STILWELL 345KV CKT 1
 Flowgate: 2007AG1AFS41218109SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1223002	0.6	2.3
1223003	0.6	2.3
1223004	0.6	2.3
1223005	0.6	2.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	ARIES 161KV	595	-0.13558	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.24776	9
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.25473	9
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.25734	9
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.21823	10
MIPU	ARIES 161KV	595	-0.13558	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.20865	11
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.19932	11
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.19961	11
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	EMPORIA ENERGY CENTER 345KV	610	0.05973	-0.19802	11
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.21136	11
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103		

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

MIPU	ARIES 161KV	595	-0.13558	WERE	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.19531	12
MIPU	ARIES 161KV	595	-0.13558	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.18517	12
MIPU	ARIES 161KV	595	-0.13558	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.18466	12
MIPU	ARIES 161KV	595	-0.13558	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.18467	12
MIPU	ARIES 161KV	595	-0.13558	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.18933	12
MIPU	ARIES 161KV	595	-0.13558	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.18463	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.18493	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CHANUTE 69KV	56.037	0.04553	-0.18382	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.18739	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CITY OF MULVANE 69KV	8.29	0.04943	-0.18772	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.18257	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.18586	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.18788	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.18737	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.18738	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WEPL	HARPER 138KV	8.600001	0.04456	-0.18285	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.19062	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.18379	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.19204	12
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.18734	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.1918	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CHANUTE 69KV	56.037	0.04533	-0.19149	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.19426	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CITY OF MULVANE 69KV	8.29	0.04943	-0.19459	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.18599	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.19273	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.1852	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.19475	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.19424	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	GILL ENERGY CENTER 69KV	63	0.05355	-0.19425	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	HARPER 138KV	8.600001	0.04456	-0.18972	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.19069	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.19066	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.18865	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.18523	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.18736	12
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.19421	12
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.19252	12
MIPU	ARIES 161KV	595	-0.13558	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	0.05355	-0.17989	13
MIPU	ARIES 161KV	595	-0.13558	KACP	BULL CREEK 161KV	308	0.03398	-0.16956	13
MIPU	ARIES 161KV	595	-0.13558	WERE	CHANUTE 69KV	56.037	0.04633	-0.18191	13
MIPU	ARIES 161KV	595	-0.13558	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.17988	13
MIPU	ARIES 161KV	595	-0.13558	WEPL	CLIFTON 115KV	51.81384	0.03442	-0.17	13
MIPU	ARIES 161KV	595	-0.13558	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.18562	13
MIPU	ARIES 161KV	595	-0.13558	WEPL	HARPER 138KV	8.600001	0.04456	-0.18014	13
MIPU	ARIES 161KV	595	-0.13558	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.18111	13
MIPU	ARIES 161KV	595	-0.13558	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.18108	13
MIPU	ARIES 161KV	595	-0.13558	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.17807	13
MIPU	ARIES 161KV	595	-0.13558	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.17635	13
MIPU	ARIES 161KV	595	-0.13558	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.17778	13
INDN	BLUE VALLEY 69KV	60	-0.06775	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.17993	13
KACP	CITY OF HIGGINSVILLE 69KV	5.9884	-0.0681	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.18029	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	0.05355	-0.17984	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	BULL CREEK 161KV	308	0.03398	-0.17227	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WEPL	CLIFTON 115KV	51.81384	0.03442	-0.17271	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.17833	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	HOLTON 115KV	12.2	0.0308	-0.16909	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.17807	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.17906	13
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.18049	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.05355	-0.18051	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	BULL CREEK 161KV	308	0.03398	-0.17914	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	CLIFTON 115KV	51.81384	0.03442	-0.17958	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.17331	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.17174	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	HOLTON 115KV	12.2	0.0308	-0.17596	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	JUDSON LARGE 115KV	104.6066	0.02817	-0.16733	13
MIPU	RALPH GREEN 69KV	73.7	-0.14516	WERE	SOUTH SENECA 115KV	8.5	0.02406	-0.16922	13
INDN	SUB H 69KV	25.76379	-0.06478	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.17696	13
INDN	SUB I 69KV	38	-0.06493	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.17711	13
INDN	SUB J 69KV	38	-0.06587	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.17805	13
MIPU	ARIES 161KV	595	-0.13558	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.16373	14
MIPU	ARIES 161KV	595	-0.13558	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.16216	14
MIPU	ARIES 161KV	595	-0.13558	WERE	HOLTON 115KV	12.2	0.0308	-0.16638	14
MIPU	ARIES 161KV	595	-0.13558	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.16375	14
MIPU	ARIES 161KV	595	-0.13558	WEPL	SOUTH SENECA 115KV	8.5	0.02406	-0.15964	14
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.16644	14
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.16487	14
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.16466	14
MIPU	GREENWOOD 161KV	220.0293	-0.13829	WERE	SOUTH SENECA 115KV	8.5	0.02406	-0.16285	14
KACP	HAWTHORN 161KV	39	-0.05527	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.16745	14
INDN	MOCT 69KV	4.799999	-0.05592	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.1681	14
KACP	NORTHEAST 13KV	221	-0.04614	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.15832	14
KACP	NORTHEAST 161KV	227.5542	-0.04614	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.15832	14
KACP	MARSHALL 161KV	54.11	-0.03582	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.15468	14
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	LACYONE UNIT 345KV	958	0.07307	-0.15341	15
MIPU	TWA 161KV	32.1	-0.03668	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.14886	15
INDN	BLUE VALLEY 69KV	60	-0.06775	KACP	LACYONE UNIT 345KV	958	0.07307	-0.14082	16
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	IATAN 345KV	396	0.0009	-0.13918	16
MIPU	LAKE ROAD 161KV	91	-0.02592	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.1381	16
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	IATAN 345KV	396	0.0009	-0.14606	16
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	MONTRÖSE 161KV	365.2767	-0.00456	-0.1406	16
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.14137	17
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	19.98	0.06103	-0.14137	17
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.14007	16
INDN	SUB I 69KV	38	-0.06493	KACP	LACYONE UNIT 345KV	958	0.07307	-0.138	16
INDN	SUB J 69KV	38	-0.06587	KACP	LACYONE UNIT 345KV	958	0.07307	-0.13894	16
MIPU	ARIES 161KV	595	-0.13558	KACP	IATAN 345KV	396	0.0009	-0.13648	17
MIPU	ARIES 161KV	595	-0.13558	KACP	MONTRÖSE 161KV	365.2767	-0.00456	-0.13102	17
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	MONTRÖSE 161KV	365.2767	-0.00456	-0.13373	17
KACY	KAW 69KV	242	-0.02495	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.13713	17
KACY	NEARMAN 161KV	41.35992	-0.02277	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.13495	17
KACY	QUINDARO 161KV	118.9198	-0.02375	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.13593	

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

INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.1215	19
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.1168	19
MIPU	NEVADA 69KV	20.3	-0.00839	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.1218	-0.1185	19
KACP	NORTHEAST 13KV	221	-0.04614	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.11921	19
KACP	NORTHEAST 161KV	227.5542	-0.04614	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.11921	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	MIPU	LAKE ROAD 161KV	35	-0.02592	-0.11924	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	MIPU	LAKE ROAD 34KV	92	-0.02592	-0.11924	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	NEARMAN 161KV	38.64008	-0.02277	-0.12239	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	NEARMAN 20KV	235	-0.02277	-0.12239	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	QUINDARO 161KV	118.0802	-0.02375	-0.12141	19
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	QUINDARO 69KV	72	-0.02432	-0.12084	19
MIPU	SIBLEY 161KV	19.22583	-0.08034	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.12038	19
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.12111	19
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.12254	19
INDN	SUB H 69KV	26.76379	-0.06478	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.11853	19
INDN	SUB I 69KV	38	-0.06493	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.11868	19
INDN	SUB J 69KV	30	-0.06587	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.11962	19
MIPU	ARIES 161KV	595	-0.13558	KACP	NEARMAN 161KV	38.64008	-0.02277	-0.11281	20
MIPU	ARIES 161KV	595	-0.13558	KACP	NEARMAN 20KV	235	-0.02277	-0.11281	20
MIPU	ARIES 161KV	595	-0.13558	KACP	QUINDARO 161KV	118.0802	-0.02375	-0.11183	20
MIPU	ARIES 161KV	595	-0.13558	KACP	QUINDARO 69KV	72	-0.02432	-0.11126	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.11439	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	CHANUTE 69KV	56.037	0.04633	-0.11408	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.11203	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.11532	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	HARPER 138KV	8.60001	0.04456	-0.11371	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.11328	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.11325	20
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.11124	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	MIPU	LAKE ROAD 161KV	35	-0.02592	-0.11237	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	MIPU	LAKE ROAD 34KV	92	-0.02592	-0.11237	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	NEARMAN 161KV	38.64008	-0.02277	-0.11552	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	NEARMAN 20KV	235	-0.02277	-0.11552	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	QUINDARO 161KV	118.0802	-0.02375	-0.11454	20
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	QUINDARO 69KV	72	-0.02432	-0.11397	20
KACP	HAWTHORN 161KV	39	-0.05527	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.1163	20
KACP	HAWTHORN 161KV	39	-0.05527	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.1163	20
KACP	HAWTHORN 161KV	39	-0.05527	WERE	EMPORIA ENERGY CENTER 345KV	610	0.05973	-0.115	20
KACP	MONTROSE 161KV	15.7233	-0.00456	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.1218	-0.11674	20
MIPU	SIBLEY 161KV	19.22583	-0.08034	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.03535	-0.11569	20
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	BULL CREEK 161KV	308	0.03398	-0.11432	20
MIPU	SIBLEY 161KV	19.22583	-0.08034	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.11476	20
MIPU	SIBLEY 161KV	19.22583	-0.08034	WERE	HOLTON 115KV	12.2	0.0308	-0.11114	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.11142	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	CHANUTE 69KV	56.037	0.04633	-0.11111	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.11388	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	CITY OF MULVANE 69KV	8.29	0.04943	-0.11421	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.11328	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.11437	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	GILL ENERGY CENTER 138KV	165	0.04908	-0.11386	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.11387	20
INDN	SUB H 69KV	26.76379	-0.06478	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.11383	20
INDN	SUB I 69KV	38	-0.06493	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.11151	20
INDN	SUB I 69KV	38	-0.06493	WERE	CHANUTE 69KV	56.037	0.04633	-0.11126	20
INDN	SUB I 69KV	38	-0.06493	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.11403	20
INDN	SUB I 69KV	38	-0.06493	WERE	CITY OF MULVANE 69KV	8.29	0.04943	-0.11436	20
INDN	SUB I 69KV	38	-0.06493	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.11325	20
INDN	SUB I 69KV	38	-0.06493	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.11452	20
INDN	SUB I 69KV	38	-0.06493	WERE	GILL ENERGY CENTER 138KV	165	0.04908	-0.11401	20
INDN	SUB I 69KV	38	-0.06493	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.11402	20
INDN	SUB I 69KV	38	-0.06493	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.11398	20
INDN	SUB J 69KV	30	-0.06587	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.11251	20
INDN	SUB J 69KV	30	-0.06587	WERE	CHANUTE 69KV	56.037	0.04633	-0.1122	20
INDN	SUB J 69KV	30	-0.06587	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.11497	20
INDN	SUB J 69KV	30	-0.06587	WERE	CITY OF MULVANE 69KV	8.29	0.04943	-0.1153	20
INDN	SUB J 69KV	30	-0.06587	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.11344	20
INDN	SUB J 69KV	30	-0.06587	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.11546	20
INDN	SUB J 69KV	30	-0.06587	WERE	GILL ENERGY CENTER 138KV	165	0.04908	-0.11495	20
INDN	SUB J 69KV	30	-0.06587	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.11496	20
INDN	SUB J 69KV	30	-0.06587	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.11414	20
INDN	SUB J 69KV	30	-0.06587	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.1137	20
INDN	SUB J 69KV	30	-0.06587	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.11492	20
MIPU	ARIES 161KV	595	-0.13558	MIPU	LAKE ROAD 161KV	35	-0.02592	-0.10966	21
INDN	ARIES 161KV	595	-0.13558	MIPU	LAKE ROAD 34KV	92	-0.02592	-0.10966	21
INDN	BLUE VALLEY 69KV	60	-0.06775	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.10779	21
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.10852	21
INDN	BLUE VALLEY 69KV	60	-0.06775	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.10995	21
KACP	HAWTHORN 161KV	39	-0.05527	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.10902	21
KACP	MARSHALL 161KV	54.1	-0.03582	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.10889	21
KACP	NORTHEAST 13KV	221	-0.04614	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.10717	21
KACP	NORTHEAST 13KV	221	-0.04614	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.10717	21
KACP	NORTHEAST 161KV	227.5542	-0.04614	WERE	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.10717	21
KACP	NORTHEAST 161KV	227.5542	-0.04614	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.10717	21
MIPU	SIBLEY 161KV	19.22583	-0.08034	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.10849	21
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02815	-0.10852	21
MIPU	SIBLEY 161KV	19.22583	-0.08034	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.10851	21
INDN	SUB H 69KV	26.76379	-0.06478	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.10906	21
INDN	SUB H 69KV	26.76379	-0.06478	WEPL	HARPER 138KV	8.60001	0.04456	-0.10934	21
INDN	SUB H 69KV	26.76379	-0.06478	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.11031	21
INDN	SUB H 69KV	26.76379	-0.06478	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.11028	21
INDN	SUB H 69KV	26.76379	-0.06478	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.10827	21
INDN	SUB H 69KV	26.76379	-0.06478	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.10698	21
INDN	SUB I 69KV	38	-0.06493	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.10921	21
INDN	SUB I 69KV	38	-0.06493	WERE	HARPER 138KV	8.60001	0.04456	-0.10949	21
INDN	SUB I 69KV	38	-0.06493	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.11046	21
INDN	SUB I 69KV	38	-0.06493	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.11043	21
INDN	SUB I 69KV	38	-0.06493	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.10842	21
INDN	SUB I 69KV	38	-0.06493	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.10713	21
INDN	SUB J 69KV	30	-0.06587	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.11015	21
INDN	SUB J 69KV	30	-0.06587	WERE	CLOUD COUNTY 34KV	100	0.04004	-0.10591	21
INDN	SUB J 69KV	30	-0.06587	WEPL	HARPER 138KV	8.60001	0.04456	-0.11043	21
INDN	SUB J 69KV	30	-0.06587	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.10936	21
INDN	SUB J 69KV	30	-0.06587	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.10864	21
INDN	SUB J 69KV	30	-0.06587	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.10807	21
MIPU	TWA 161KV	32.1							

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

MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	NORTHEAST 161KV	29.4458	-0.04614	-0.09902	23
MIPU	SUB H 69KV	25.76379	-0.06478	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.10013	23
INDN	SUB H 69KV	25.76379	-0.06478	KACP	BULL CREEK 161KV	308	0.03398	-0.09878	23
INDN	SUB H 69KV	25.76379	-0.06478	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.0992	23
INDN	SUB I 69KV	38	-0.06493	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.10028	23
INDN	SUB I 69KV	38	-0.06493	KACP	BULL CREEK 161KV	308	0.03398	-0.09891	23
INDN	SUB I 69KV	38	-0.06493	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.09935	23
INDN	SUB J 69KV	30	-0.06587	KACP	BULL CREEK 161KV	308	0.03398	-0.09868	23
INDN	SUB J 69KV	30	-0.06587	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.10029	23
MIPU	TWA 161KV	32.1	-0.03668	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.09771	23
MIPU	TWA 161KV	32.1	-0.03668	WEPL	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.09771	23
INDN	BLUE VALLEY 69KV	60	-0.06775	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.0866	24
INDN	BLUE VALLEY 69KV	60	-0.06775	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.09433	24
INDN	BLUE VALLEY 69KV	60	-0.06775	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.09592	24
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.09531	24
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.09604	24
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.09685	24
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.09685	24
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.09555	24
KACY	NEARMAN 161KV	41.35992	-0.02277	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.09584	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.09524	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CITY OF MULVANE 69KV	8.25	0.04943	-0.09557	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.09371	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	EVANS ENERGY CENTER 138KV	535	0.04959	-0.09573	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	GILL ENERGY CENTER 138KV	155	0.04908	-0.09522	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	GILL ENERGY CENTER 69KV	75	0.04909	-0.09523	24
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.09519	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.09524	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CITY OF MULVANE 69KV	8.25	0.04943	-0.09557	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.09371	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	EVANS ENERGY CENTER 138KV	535	0.04959	-0.09573	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	GILL ENERGY CENTER 138KV	155	0.04908	-0.09522	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	GILL ENERGY CENTER 69KV	75	0.04909	-0.09523	24
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.09519	24
KACY	QUINDARO 161KV	118.9198	-0.02375	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.09584	24
INDN	SUB H 69KV	25.76379	-0.06478	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.09293	24
INDN	SUB H 69KV	25.76379	-0.06478	WEPL	HOLTON 115KV	12.2	0.0308	-0.09558	24
INDN	SUB I 69KV	38	-0.06493	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.09584	24
INDN	SUB I 69KV	38	-0.06493	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.09308	24
INDN	SUB I 69KV	38	-0.06493	WEPL	HOLTON 115KV	12.2	0.0308	-0.09573	24
INDN	SUB I 69KV	38	-0.06493	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.0931	24
INDN	SUB J 69KV	30	-0.06587	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.09402	24
INDN	SUB J 69KV	30	-0.06587	WEPL	HOLTON 115KV	12.2	0.0308	-0.09667	24
INDN	SUB J 69KV	30	-0.06587	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.09408	24
MIPU	TWA 161KV	32.1	-0.03668	WEPL	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.09641	25
MIPU	ARIES 161KV	595	-0.13558	KACP	NORTHEAST 13KV	36	-0.04614	-0.08944	25
MIPU	ARIES 161KV	595	-0.13558	KACP	NORTHEAST 161KV	29.4458	-0.04614	-0.08944	25
MIPU	BLUE VALLEY 69KV	60	-0.06775	WEPL	SOUTH SENECA 115KV	8.5	0.02406	-0.08945	25
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	NORTHEAST 13KV	36	-0.04614	-0.09215	25
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	NORTHEAST 161KV	29.4458	-0.04614	-0.09215	25
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.09062	25
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.08969	25
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.08945	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.09278	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CHANUTE 69KV	56.037	0.04633	-0.09247	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.09042	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	HARPER 138KV	8.00001	0.04456	-0.0907	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	HUTCHINSON ENERGY CENTER 115KV	295	0.04553	-0.09167	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.09164	25
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.08963	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.09278	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CHANUTE 69KV	56.037	0.04633	-0.09247	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.09042	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	HARPER 138KV	8.00001	0.04456	-0.0907	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	HUTCHINSON ENERGY CENTER 115KV	295	0.04553	-0.09167	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.09164	25
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.08963	25
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	HAWTHORN 161KV	762	-0.05527	-0.08989	25
INDN	SUB H 69KV	25.76379	-0.06478	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.09136	25
INDN	SUB I 69KV	38	-0.06493	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.09151	25
INDN	SUB I 69KV	38	-0.06493	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.09165	25
INDN	SUB I 69KV	38	-0.06493	WEPL	SOUTH SENECA 115KV	8.5	0.02406	-0.08993	25
MIPU	TWA 161KV	32.1	-0.03668	WEPL	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.09043	25
WEPL	CIMARRON RIVER 115KV	47	0.02397	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.08821	26
KACP	HAWTHORN 161KV	39	-0.05527	KACP	BULL CREEK 161KV	308	0.03398	-0.08925	26
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	HOLTON 115KV	12.2	0.0308	-0.08607	26
KACY	KAW 69KV	242	-0.02495	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.08598	26
KACY	KAW 69KV	242	-0.02495	WEPL	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.08598	26
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.08695	26
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.08695	26
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.08618	26
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.08691	26
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	SMOKEY HILLS 34KV	25	0.0422	-0.08834	26
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.08618	26
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.08691	26
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	SMOKEY HILLS 34KV	25	0.0422	-0.08834	26
MIPU	RALPH GREEN 69KV	73.7	-0.14516	INDN	MOCT 69KV	26	-0.05592	-0.08924	26
MIPU	TWA 161KV	32.1	-0.03668	WEPL	EVANS ENERGY CENTER 138KV	535	0.04959	-0.08627	26
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	HAWTHORN 161KV	762	-0.05527	-0.08302	27
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.08342	27
KACP	HAWTHORN 161KV	39	-0.05527	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.08344	27
WEPL	JUDSON LARGE 115KV	13.18616	0.02817	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.08401	27
KACY	KAW 69KV	242	-0.02495	WEPL	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.08468	27
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	EMPORIA ENERGY CENTER 345KV	610	0.06973	-0.08565	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.08492	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.08339	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	EVANS ENERGY CENTER 138KV	535	0.04959	-0.08541	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	GILL ENERGY CENTER 138KV	155	0.04908	-0.0849	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	GILL ENERGY CENTER 69KV	75	0.04909	-0.08491	27
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.08487	27
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.0838	27
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.06103	-0.0838	27
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	CITY OF BURLINGTON 69KV	10048.25	0.06103	-0.08478	27
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL</					

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

WEPL	CLIFTON 115KV	13.18616	0.03442	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.07776	29
KACY	KAW 69KV	242	-0.02495	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.05375	-0.07871	29
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.05375	-0.07867	29
KACP	MARSHALL 161KV	54.1	-0.03582	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.07931	29
KACP	MARSHALL 161KV	54.1	-0.03582	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.07802	29
KACP	MONTROSE 161KV	15.7233	-0.00456	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.07763	29
MIPU	NEVADA 69KV	20.3	-0.00639	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.07946	29
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.05375	-0.07775	29
KACY	QUINDARO 69KV	105	-0.02432	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.05375	-0.07807	29
MIPU	RALPH GREEN 69KV	73.7	-0.14516	INDN	BLUE VALLEY 69KV	86.23981	-0.06775	-0.07741	29
MIPU	TWA 161KV	32.1	-0.03668	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.07745	29
MIPU	TWA 161KV	32.1	-0.03668	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.07752	29
MIPU	GARDNER 161KV	11	0.03578	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.07674	30
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.07502	30
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.07551	30
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.075	30
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.07501	30
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.07497	30
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.07586	30
KACP	MARSHALL 161KV	54.1	-0.03582	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.07659	30
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.05375	-0.07652	30
KACP	NORTHEAST 13KV	221	-0.04614	WERE	HOLTON 115KV	12.2	0.0308	-0.07620	30
KACP	NORTHEAST 161KV	227.5542	-0.04614	WERE	HOLTON 115KV	12.2	0.0308	-0.07694	30
MIPU	RALPH GREEN 69KV	73.7	-0.14516	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	-0.0681	-0.07706	30
KACP	SIBLEY 161KV	19.22583	-0.08034	KACP	MONTROSE 161KV	365.2767	-0.00456	-0.07578	30
MIPU	TWA 161KV	32.1	-0.03668	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.07578	30
MIPU	GREENWOOD 161KV	220.0293	-0.13829	INDN	SUB H 69KV	13.23621	-0.06478	-0.07351	31
KACY	KAW 69KV	242	-0.02495	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.07405	31
KACY	KAW 69KV	242	-0.02495	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.07252	31
KACY	KAW 69KV	242	-0.02495	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.07454	31
KACY	KAW 69KV	242	-0.02495	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.07403	31
KACY	KAW 69KV	242	-0.02495	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.07404	31
KACY	KAW 69KV	242	-0.02495	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.074	31
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.07256	31
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	CITY OF AUGUSTA 69KV	16.55	0.04757	-0.07349	31
KACP	NEARMAN 161KV	41.35992	-0.02277	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.07236	31
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.07429	31
KACP	NORTHEAST 13KV	221	-0.04614	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.07272	31
KACP	NORTHEAST 13KV	221	-0.04614	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.07431	31
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.07429	31
KACP	NORTHEAST 161KV	227.5542	-0.04614	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.07272	31
KACP	NORTHEAST 161KV	227.5542	-0.04614	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.07431	31
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.07285	31
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.07454	31
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.07283	31
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.07284	31
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.0728	31
KACY	QUINDARO 69KV	105	-0.02432	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.07342	31
KACY	QUINDARO 69KV	105	-0.02432	WERE	EVANS ENERGY CENTER 138KV	535	0.04959	-0.07391	31
KACY	QUINDARO 69KV	105	-0.02432	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.07341	31
KACY	QUINDARO 69KV	105	-0.02432	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.07341	31
KACY	QUINDARO 69KV	105	-0.02432	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.07337	31
MIPU	ARIES 161KV	595	-0.13558	INDN	SUB H 69KV	13.23621	-0.06478	-0.07108	32
MIPU	GREENWOOD 161KV	220.0293	-0.13829	INDN	BLUE VALLEY 69KV	86.23981	-0.06775	-0.07054	32
MIPU	GREENWOOD 161KV	220.0293	-0.13829	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	-0.0681	-0.07019	32
WERE	JEFFREY ENERGY CENTER 345KV	42	0.04077	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.07141	32
KACY	KAW 69KV	242	-0.02495	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.07159	32
KACY	KAW 69KV	242	-0.02495	WERE	CHANUTE 69KV	56.037	0.04633	-0.07028	32
KACY	KAW 69KV	242	-0.02495	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.07048	32
KACY	KAW 69KV	242	-0.02495	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.07045	32
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	CHANUTE 69KV	56.037	0.04633	-0.07225	32
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.07102	32
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.07145	32
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.07142	32
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.03535	-0.07117	32
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.07074	32
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.07032	32
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.07034	32
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.07185	32
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.07186	32
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.07162	32
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.07038	32
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	CHANUTE 69KV	56.037	0.04633	-0.07008	32
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.07132	32
KACY	QUINDARO 69KV	105	-0.02432	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.07096	32
KACY	QUINDARO 69KV	105	-0.02432	WERE	CHANUTE 69KV	56.037	0.04633	-0.07053	32
KACY	QUINDARO 69KV	105	-0.02432	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.07189	32
MIPU	RALPH GREEN 69KV	73.7	-0.14516	MIPU	SIBLEY 161KV	19.22583	-0.08034	-0.07076	32
MIPU	TWA 161KV	32.1	-0.03668	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.03535	-0.07203	32
MIPU	TWA 161KV	32.1	-0.03668	KACP	BULL CREEK 161KV	9.9	0.03381	-0.07099	32
MIPU	TWA 161KV	32.1	-0.03668	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.0711	32
INDN	BLUE VALLEY 69KV	60	-0.06775	KACP	IATAN 345KV	396	0.0009	-0.06865	33
WERE	JEFFREY ENERGY CENTER 230KV	24	0.04349	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06869	33
KACY	KAW 69KV	242	-0.02495	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.06923	33
KACY	KAW 69KV	242	-0.02495	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.06844	33
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.06941	33
MIPU	LAKE ROAD 161KV	91	-0.02592	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.06812	33
KACP	MARSHALL 161KV	54.1	-0.03582	KACP	BULL CREEK 161KV	9.9	0.03381	-0.0689	33
KACP	NEARMAN 161KV	41.35992	-0.02277	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.06941	33
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	CHANUTE 69KV	56.037	0.04633	-0.06911	33
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.0683	33
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.06827	33
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.06903	33
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.06928	33
KACY	QUINDARO 161KV	118.9198	-0.02375	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.06925	33
KACY	QUINDARO 69KV	105	-0.02432	WERE	CITY OF WINFIELD 69KV	12.69001	0.04428	-0.0686	33
KACY	QUINDARO 69KV	105	-0.02432	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.04553	-0.06985	33
KACY	QUINDARO 69KV	105	-0.02432	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.06982	33
MIPU	ARIES 161KV	595	-0.13558	INDN	BLUE VALLEY 69KV	86.23981	-0.06775	-0.06783	34
MIPU	ARIES 161KV	595	-0.13558	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	-0.0681	-0.06748	34
WERE	BPU - CITY OF MCPHERSON 115KV	232	0.04476	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06742	34
WERE	CITY OF WINFIELD 69KV	27.30999	0.04428	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.0674	34
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.04553	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06865	34
KACY	KAW 69KV	242	-0.02495	WERE					

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

WERE	CITY OF IOLA 69KV	42.878	0.04946	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06272	36
WERE	EVANS ENERGY CENTER 138KV	38	0.04959	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06259	36
WERE	GSETTY 69KV	35	0.04899	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06119	36
WERE	GILL ENERGY CENTER 138KV	84.99999	0.04908	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.0631	36
MIPU	GREENWOOD 161KV	220.0293	-0.13829	MIPU	SIBLEY 69KV	45.99999	-0.0744	-0.06389	36
KACP	MARSHALL 161KV	54.1	-0.03582	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.06397	36
KACP	MARSHALL 161KV	54.1	-0.03582	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.0624	36
KACP	MARSHALL 161KV	54.1	-0.03582	KACP	JUDSON LARGE 115KV	104.6066	0.02817	-0.06389	36
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.06281	36
KACY	NEARMAN 161KV	41.35992	-0.02277	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.06354	36
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.06379	36
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.04905	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.0615	36
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04856	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06362	36
MIPU	TWA 161KV	32.1	-0.03668	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.06326	36
WERE	WACO 138KV	30	0.04913	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.06305	36
MIPU	ARIES 161KV	595	-0.13558	MIPU	SIBLEY 69KV	45.99999	-0.0744	-0.06118	37
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.06127	37
INDN	SUB J 69KV	30	-0.06587	KACP	MONTROSE 161KV	365.2767	-0.0456	-0.06131	37
KACY	KAW 69KV	242	-0.02495	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.0603	38
KACY	KAW 69KV	242	-0.02495	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.05937	38
MIPU	LAKE ROAD 161KV	91	-0.02592	KACP	BULL CREEK 161KV	308	0.03398	-0.0599	38
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.06034	38
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.06014	38
KACY	QUINDARO 69KV	105	-0.02432	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.05967	38
INDN	SUB H 69KV	25.76379	-0.06478	KACP	MONTROSE 161KV	365.2767	-0.0456	-0.06022	38
INDN	SUB I 69KV	38	-0.06493	KACP	MONTROSE 161KV	365.2767	-0.0456	-0.06037	38
MIPU	GREENWOOD 161KV	220.0293	-0.13829	MIPU	SIBLEY 161KV	230.7742	-0.08034	-0.05795	39
KACY	KAW 69KV	242	-0.02495	KACP	BULL CREEK 161KV	308	0.03398	-0.05893	39
WERE	LAWRENCE ENERGY CENTER 230KV	34.40085	0.05375	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.05843	39
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	LAWRENCE ENERGY CENTER 230KV	234.5992	0.06375	-0.05831	39
KACP	NEARMAN 161KV	41.35992	-0.02277	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.0581	39
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.03535	-0.0591	39
KACY	QUINDARO 161KV	118.9198	-0.02375	KACP	BULL CREEK 161KV	308	0.03398	-0.05773	39
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.05817	39
KACY	QUINDARO 69KV	105	-0.02432	KACP	BULL CREEK 161KV	308	0.03398	-0.0583	39
KACY	QUINDARO 69KV	105	-0.02432	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.05874	39
KACY	NEARMAN 161KV	41.35992	-0.02277	KACP	BULL CREEK 161KV	308	0.03398	-0.05675	40
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	CLIFTON 115KV	51.81394	0.03442	-0.05719	40
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACY	NEARMAN 161KV	38.64008	-0.02277	-0.05767	40
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACY	NEARMAN 20KV	235	-0.02277	-0.05757	40
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	QUINDARO 161KV	118.0802	-0.02375	-0.05659	40
MIPU	JARIES 161KV	595	-0.13558	MIPU	SIBLEY 161KV	230.7742	-0.08034	-0.05524	41
KACP	HAWTHORN 161KV	39	-0.05527	KACP	IATAN 345KV	396	0.0009	-0.05521	41
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.05549	41
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	EVANS ENERGY CENTER 138KV	55	0.04959	-0.05598	41
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.05547	41
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.05548	41
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.05544	41
MIPU	SIBLEY 161KV	19.22583	-0.08034	KACP	QUINDARO 69KV	72	-0.02432	-0.05602	41
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.05407	42
MIPU	LAKE ROAD 161KV	91	-0.02592	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.05409	42
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	CITY OF AUGUSTA 69KV	20.02	0.0491	-0.05366	42
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	EVANS ENERGY CENTER 138KV	155	0.04959	-0.05315	42
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	GILL ENERGY CENTER 138KV	155	0.04908	-0.05364	42
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	GILL ENERGY CENTER 69KV	75	0.04909	-0.05365	42
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.04905	-0.05361	42
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.05396	42
MIPU	SIBLEY 161KV	19.22583	-0.08034	MIPU	LAKE ROAD 161KV	91	-0.02592	-0.05442	42
MIPU	SIBLEY 161KV	19.22583	-0.08034	MIPU	LAKE ROAD 34KV	92	-0.02592	-0.05442	42
WERE	EMPORIA ENERGY CENTER 345KV	201	0.05973	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.11218	-0.05245	43
KACY	KAW 69KV	242	-0.02495	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.05231	43
KACY	KAW 69KV	242	-0.02495	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.05312	43
MIPU	LAKE ROAD 161KV	91	-0.02592	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.05203	43
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.05203	43
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	CHANUTE 69KV	56.037	0.04633	-0.05272	43
KACY	QUINDARO 69KV	105	-0.02432	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.05247	43
KACY	QUINDARO 69KV	105	-0.02432	KACP	JUDSON LARGE 115KV	104.6066	0.02817	-0.05245	43
KACY	KAW 69KV	242	-0.02495	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.05153	44
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	ABILENE ENERGY CENTER 115KV	31.6543	0.04664	-0.0512	44
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.04757	-0.05213	44
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	HUTCHINSON ENERGY CENTER 115KV	205	0.04553	-0.05182	44
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.05188	44
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.0519	44
KACY	QUINDARO 161KV	118.9198	-0.02375	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.05192	44
KACP	HAWTHORN 161KV	39	-0.05527	KACP	MONTROSE 161KV	365.2767	-0.0456	-0.05071	45
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	CHANUTE 69KV	56.037	0.04633	-0.05089	45
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	HUTCHINSON ENERGY CENTER 115KV	205	0.04553	-0.05009	45
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.0455	-0.05006	45
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.02815	-0.05092	45
KACY	NEARMAN 161KV	41.35992	-0.02277	WEPL	JUDSON LARGE 115KV	104.6066	0.02817	-0.05094	45
KACY	QUINDARO 161KV	118.9198	-0.02375	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.05033	45
KACY	QUINDARO 69KV	105	-0.02432	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.05059	45
WEPL	CIMARRON RIVER 115KV	47	0.02397	KACP	LACYGNE UNIT 345KV	958	0.07307	-0.0491	46
KACP	NEARMAN 161KV	41.35992	-0.02277	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	116.4778	0.02658	-0.04935	46
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.04988	46
KACP	MONTROSE 161KV	15.7233	-0.00456	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04349	-0.04805	47
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	SMOKEY HILLS 34KV	25	0.0422	-0.04859	47
MIPU	NEVADA 69KV	20.3	-0.00639	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04077	-0.04716	48
KACP	NORTHEAST 13KV	221	-0.04614	KACP	IATAN 345KV	396	0.0009	-0.0476	48
KACP	NORTHEAST 161KV	227.5542	-0.04614	KACP	IATAN 345KV	396	0.0009	-0.04704	48
MIPU	NEVADA 69KV	20.3	-0.00639	WEPL	CLOUD COUNTY 34KV	100	0.04004	-0.04643	49
INDN	BLUE VALLEY 69KV	60	-0.06775	KACY	NEARMAN 161KV	38.64008	-0.02277	-0.04498	51
INDN	BLUE VALLEY 69KV	60	-0.06775	KACY	NEARMAN 20KV	235	-0.02277	-0.04498	51
INDN	BLUE VALLEY 69KV	60	-0.06775	KACY	QUINDARO 161KV	118.0802	-0.02375	-0.044	52
INDN	BLUE VALLEY 69KV	60	-0.06775	KACY	QUINDARO 69KV	72	-0.02432	-0.04343	52
INDN	SUB J 69KV	30	-0.06587	KACY	NEARMAN 161KV	38.64008	-0.02277	-0.0431	53
INDN	SUB J 69KV	30	-0.06587	KACY	NEARMAN 20KV	235	-0.02277	-0.0431	53
INDN	BLUE VALLEY 69KV	60	-0.06775	MIPU	LAKE ROAD 161KV	91	-0.02592	-0.04183	54
INDN	BLUE VALLEY 69KV	60	-0.06775	MIPU	LAKE ROAD 34KV	92	-0.02592	-0.04183	54
INDN	SUB H 69KV	25.76379	-0.06478	KACY	NEARMAN 161KV	38.64008	-0.02277	-0.04201	54
INDN	SUB H 69KV	25.76379	-0.06478	KACY	NEARMAN 20KV	235	-0.02277	-0.04201	54
INDN	SUB I 69KV	38	-0.06493	KACY	NEARMAN 161KV	38.64008	-0.02277	-0.04216	54
INDN	SUB I 69KV	38	-0.06493	KACY	NEARMAN 20KV	235	-0.02277	-0.04216	54</

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

Limiting Facility: TECUMSEH HILL - WILLIAMS BROTHERS PIPELINE 161KV CKT 1
 Direction: From->To
 Line Outage: LANG - WICHITA 345KV CKT 1
 Flowgate: 2007AG1AFS411521408AP
 Date Redispatch Needed: Starting 2008 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222932	1.7	1.9	WERE	GETTY 69KV	35	-0.08726	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.13988	14
1222937	0.2	1.9	WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.11942	16
			WERE	GETTY 69KV	35	-0.08726	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.11709	17
			WERE	GETTY 69KV	35	-0.08726	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.11564	17
			WERE	GETTY 69KV	35	-0.08726	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.11106	17
			WERE	GETTY 69KV	35	-0.08726	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.10968	17
			WERE	GETTY 69KV	35	-0.08726	KACP	IATAN 345KV	396	0.01785	-0.10511	18
			WERE	GETTY 69KV	35	-0.08726	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.10232	19
			WERE	GETTY 69KV	35	-0.08726	KACY	NEARMAN 20KV	174.3711	0.01322	-0.10048	19
			WERE	GETTY 69KV	35	-0.08726	KACP	HAWTHORN 161KV	455	0.01236	-0.09962	19
			WERE	GETTY 69KV	35	-0.08726	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99657	0.01173	-0.09899	19
			WERE	GETTY 69KV	35	-0.08726	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.09867	19
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.09763	20
			WERE	GETTY 69KV	35	-0.08726	KACP	MONTROSE 161KV	216.6303	0.00912	-0.09638	20
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.09608	20
			WERE	GETTY 69KV	35	-0.08726	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.0957	20
			WERE	GETTY 69KV	35	-0.08726	KACP	MARSHALL 161KV	15	0.00741	-0.09467	20
			WERE	CITY OF MULVANE 69KV	15.79	-0.04133	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09305	21
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.0915	21
			WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.0911	21
			WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09063	21
			WERE	WACO 138KV	30	-0.03883	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09055	21
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.09012	21
			WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.08985	21
			WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.0895	21
			WERE	GETTY 69KV	35	-0.08726	KACP	LACYONE UNIT 345KV	721.8978	0.00773	-0.08899	22
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	KACP	IATAN 345KV	396	0.01785	-0.08555	22
			WERE	GETTY 69KV	35	-0.08726	EMDE	OZARK BEACH 161KV	16	-0.00437	-0.08289	23
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.08276	23
			WERE	GETTY 69KV	35	-0.08726	AEWP	LEBROCK 345KV	315	-0.00675	-0.08151	24
			WERE	GETTY 69KV	35	-0.08726	AEWP	EASTMAN 138KV	355	-0.00577	-0.08149	24
			WERE	GETTY 69KV	35	-0.08726	AEWP	FITZLUUGH 161KV	28.99999	-0.00613	-0.08113	24
			WERE	GETTY 69KV	35	-0.08726	AEWP	WELSH 345KV	49.94872	-0.00631	-0.08095	24
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	KACY	NEARMAN 20KV	174.3711	0.01322	-0.08092	24
			WERE	GETTY 69KV	35	-0.08726	KACP	AES 161KV	160	-0.00687	-0.08039	24
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	KACP	HAWTHORN 161KV	455	0.01236	-0.08006	24
			WERE	GETTY 69KV	35	-0.08726	EMDE	ASBURY 161KV	38.44659	-0.00723	-0.08003	24
			WERE	GETTY 69KV	35	-0.08726	EMDE	STATE LINE 161KV	32	-0.00725	-0.08001	24
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99657	0.01173	-0.07943	24
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	MIPU	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.07911	24
			WERE	GETTY 69KV	35	-0.08726	AEWP	FLINT CREEK 161KV	164	-0.0083	-0.07896	24
			WERE	GETTY 69KV	35	-0.08726	OKGE	MUSKOGEE 161KV	60	-0.00937	-0.07789	25
			WERE	GETTY 69KV	35	-0.08726	OKGE	MUSKOGEE 345KV	1327.573	-0.00989	-0.07737	25
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	KACP	MONTROSE 161KV	216.6303	0.00912	-0.07682	25
			WERE	GETTY 69KV	35	-0.08726	AEWP	OEC 345KV	60	-0.01052	-0.07671	25
			WERE	GETTY 69KV	35	-0.08726	AEWP	NORTHEASTERN STATION 345KV	60	-0.0108	-0.07646	25
			WERE	GETTY 69KV	35	-0.08726	AEWP	COGENTRIX 345KV	200	-0.01083	-0.07643	25
			WERE	GETTY 69KV	35	-0.08726	AEWP	NORTHEASTERN STATION 138KV	25.5	-0.01103	-0.07623	25
			WERE	CITY OF AUGUSTA 69KV	17.41999	-0.06777	MIPU	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.07614	25
			WERE	GETTY 69KV	35	-0.08726	AEWP	WEATHERFORD 34KV	148	-0.01238	-0.07488	26
			WERE	GETTY 69KV	35	-0.08726	OKGE	SEMINOLE 138KV	21.63582	-0.01315	-0.07411	26
			WERE	GETTY 69KV	35	-0.08726	OKGE	REDDUB 161KV	100	-0.01402	-0.07324	26
			WERE	GETTY 69KV	35	-0.08726	OKGE	MCCLAIN 138KV	150	-0.01417	-0.07309	26
			WERE	GETTY 69KV	35	-0.08726	OKGE	SMITH COGEN 138KV	102	-0.01425	-0.07291	26
			WERE	GETTY 69KV	35	-0.08726	OKGE	CENTENIAL WIND 34KV	120	-0.01526	-0.072	27
			WERE	GETTY 69KV	35	-0.08726	OKGE	FPLWIND2 34KV	101.9983	-0.01531	-0.07195	27
			WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07046	27
			WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20	-0.01874	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07046	27
			OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07015	27
			WERE	CHANUTE 69KV	45.605	-0.0183	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07002	27
			WERE	CITY OF ERIE 69KV	24.53	-0.0183	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07002	27
			OKGE	SOONER 345KV	540	-0.01821	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06993	27
			WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.06921	28
			WERE	GETTY 69KV	35	-0.08726	WERE	CHANUTE 69KV	34.905	-0.0183	-0.06896	28
			WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.06874	28
			WERE	GETTY 69KV	35	-0.08726	OKGE	SOONER 138KV	535	-0.01855	-0.06871	28
			WERE	WACO 138KV	30	-0.03883	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.06869	28
			WERE	GETTY 69KV	35	-0.08726	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.01874	-0.06852	28
			WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.06796	28
			WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06776	28
			WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.06761	28
			WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06729	28
			WERE	WACO 138KV	30	-0.03883	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06721	29
			OKGE	SPGCK1&2 13.200 345KV	168	-0.01542	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06714	29
			OKGE	SPGCK3&4 13.200 345KV	168	-0.01542	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06714	29
			WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06681	29
			WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06641	29
			WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06616	29
			OKGE	MUSTANG 69KV	106	-0.01443	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06615	29
			OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06614	29
			OKGE	MCCLAIN 138KV	370	-0.01417	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06589	29
			OKGE	REDDUB 345KV	1100	-0.01402	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06574	29
			OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06573	29
			OKGE	TINKER 50 138KV	62	-0.01393	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06565	29
			OKGE	SEMINOLE 345KV	1029.5	-0.01332	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06504	29
			OKGE	SEMINOLE 138KV	483.8642	-0.01315	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06487	30
			MIDW	rice 115kv	999	-0.01286	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06438	30
			AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06429	30
			AEWP	SOUTHWESTERN STATION 138KV	1242	-0.01257	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06429	30
			AEWP	COMANCHE 13								

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

AEWP	WILKES 345KV	351	-0.00586	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05758	33
EMDW	LARUSSEL 161KV	296	-0.00581	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05753	33
AEWP	EASTMAN 138KV	130.01	-0.00577	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05749	33
AEWP	LEBROCK 345KV	382	-0.00575	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05747	33
AEWP	PIRKEY GENERATION 138KV	480	-0.00575	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05747	33
AEWP	KNOXLEE 138KV	483	-0.00573	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05745	33
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	IATAN 345KV	396	0.01785	-0.05723	34
AEWP	LIEBERMAN 138KV	272	-0.00542	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05714	34
AEWP	ARSENAL HILL 69KV	110	-0.00534	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05706	34
AEWP	FULTON 115KV	153	-0.00508	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.05688	34
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	KACP	IATAN 345KV	396	0.01785	-0.05676	34
WERE	WACO 138KV	30	-0.03883	KACP	IATAN 345KV	396	0.01785	-0.05676	34
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	KACP	IATAN 345KV	396	0.01785	-0.05598	34
WERE	CITY OF WINFIELD 69KV	40	-0.03778	KACP	IATAN 345KV	396	0.01785	-0.05563	34
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.05444	35
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.05397	36
WERE	WACO 138KV	30	-0.03883	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.05389	36
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.05319	36
WERE	CITY OF WINFIELD 69KV	40	-0.03778	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.05284	36
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	NEARMAN 20KV	174.3171	0.01322	-0.05236	36
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	KACP	NEARMAN 20KV	174.3171	0.01322	-0.05213	37
WERE	WACO 138KV	30	-0.03883	KACP	NEARMAN 20KV	174.3171	0.01322	-0.05205	37
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	HAWTHORN 161KV	455	0.01236	-0.05174	37
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	KACP	NEARMAN 20KV	174.3171	0.01322	-0.05135	37
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	KACP	HAWTHORN 161KV	455	0.01236	-0.05127	37
WERE	WACO 138KV	30	-0.03883	KACP	HAWTHORN 161KV	455	0.01236	-0.05119	37
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.05111	38
WERE	CITY OF WINFIELD 69KV	40	-0.03778	KACP	NEARMAN 20KV	174.3171	0.01322	-0.051	38
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.05079	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.05066	38
WERE	WACO 138KV	30	-0.03883	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.05056	38
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	KACP	HAWTHORN 161KV	455	0.01236	-0.05049	38
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.05032	38
WERE	WACO 138KV	30	-0.03883	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.05024	38
WERE	CITY OF WINFIELD 69KV	40	-0.03778	KACP	HAWTHORN 161KV	455	0.01236	-0.05014	38
KACP	LACYGNE UNIT 345KV	236.1022	-0.00173	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04999	38
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.04986	38
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.04954	39
WERE	CITY OF WINFIELD 69KV	40	-0.03778	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.04961	39
WERE	CITY OF WINFIELD 69KV	40	-0.03778	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.04919	39
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04857	39
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	MONTROSE 161KV	216.6303	0.00912	-0.0485	40
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04826	40
WERE	CHANUTE 69KV	45.605	-0.0183	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04813	40
OKGE	SOONER 345KV	540	-0.01821	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04804	40
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	KACP	MONTROSE 161KV	216.6303	0.00912	-0.04803	40
WERE	WACO 138KV	30	-0.03883	KACP	MONTROSE 161KV	216.6303	0.00912	-0.04795	40
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	MIPU	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.04782	40
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.04735	41
WERE	WACO 138KV	30	-0.03883	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.04727	41
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	KACP	MONTROSE 161KV	216.6303	0.00912	-0.04725	41
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04712	41
WERE	CITY OF WINFIELD 69KV	40	-0.03778	KACP	MONTROSE 161KV	216.6303	0.00912	-0.04689	41
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04681	41
WERE	CHANUTE 69KV	45.605	-0.0183	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04668	41
OKGE	SOONER 345KV	540	-0.01821	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04659	41
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.04657	41
WERE	CITY OF WINFIELD 69KV	40	-0.03778	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.04622	42
OKGE	SPGCK1&2 13.200 345KV	168	-0.01542	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04525	42
OKGE	SPGCK3&4 13.200 345KV	168	-0.01542	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04525	42
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0072	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04452	42
WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04452	43
KACP	MARSHALL 161KV	39.1	0.00741	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04431	43
OKGE	MUSTANG 69KV	106	-0.01443	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04426	43
OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04424	43
OKGE	MCLAIN 138KV	370	-0.01417	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04425	43
OKGE	REDBUD 345KV	1100	-0.01402	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04425	44
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04384	44
OKGE	SPGCK1&2 13.200 345KV	168	-0.01542	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04388	44
OKGE	SPGCK3&4 13.200 345KV	168	-0.01542	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04388	44
OKGE	TINKER 50 138KV	63	-0.01393	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04376	44
WEPL	JUDSON LARGE 115KV	102.6639	-0.00839	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04333	44
OKGE	SEMINOLE 345KV	1029.6	-0.01332	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04315	44
WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04307	45
OKGE	SEMINOLE 138KV	483.3642	-0.01315	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04298	45
OKGE	MUSTANG 69KV	106	-0.01443	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04281	45
OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.0428	45
KACP	MONTROSE 161KV	164.3697	0.00912	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.0426	45
OKGE	MCLAIN 138KV	370	-0.01417	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04255	45
KACP	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.04254	45
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00522	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.0425	45
MIDW	rice 115kv	999	-0.01266	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04249	45
OKGE	REDBUD 345KV	1100	-0.01402	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.0424	45
AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.0424	45
AEWP	SOUTHWESTERN STATION 138KV	1242	-0.01257	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.0424	45
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04239	45
AEWP	COMANCHE 138KV	195	-0.01252	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04235	45
AEWP	COMANCHE 69KV	78	-0.01249	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04231	45
OKGE	TINKER 50 138KV	63	-0.01393	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04231	45
WEPL	CIMARRON RIVER 115KV	72	0.00944	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04228	45
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.04223	45
WERE	CHANUTE 69KV	45.605	-0.0183	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.0421	45
OKGE	SOONER 345KV	540	-0.01821	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.04201	45
OKGE	SEMINOLE 345KV	1029.6	-0.01332	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04171	46
OKGE	SEMINOLE 138KV	483.3642	-0.01315	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04153	46
MIPU	RALPH GREEN 69KV	73.7	0.01054	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04118	47
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.04116	47
AEWP	KIOWA 345KV	1348	-0.01132	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.04115	47
OKGE	GILL ENERGY CENTER 69KV	118	-0.03938	KACP	LACYGNE UNIT 345KV	721.8978	0.01173	-0.04111	47
MIDW	rice 115kv	999	-0.01266	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.04104	47
KACP	BULL CREEK 161KV	413	0.01074	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.04098	47
AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0	

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

KACP	NORTHEAST 161KV	277	0.01261	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03911	49
AEWP	OCG 345KV	1878.03	-0.01055	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03893	49
KACY	KAWI 69KV	243	0.01307	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03885	50
KACY	QUINDARO 69KV	177	0.01312	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03886	50
KACY	QUINDARO 161KV	237.0915	0.01316	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03856	50
KACY	NEARMAN 161KV	80	0.01322	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.0385	50
KACY	NEARMAN 20KV	60.68289	0.01322	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.0385	50
WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.0378	50
OKGE	MUSKOGEE 345KV	237.4275	-0.00989	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03827	50
OKGE	MUSTANG 69KV	106	-0.01443	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03823	50
OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03822	50
AEWP	FLINT CREEK 161KV	244	-0.00883	WERE	JEFFREY ENERGY CENTER 345KV	232.8574	0.02983	-0.03813	50
AEWP	TONTTOWN 161KV	346.12	-0.00823	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03806	50
AEWP	MID-CONTINENT 138KV	142.11	-0.00967	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03805	50
OKGE	MCCLAIN 138KV	370	-0.01417	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03797	51
OKGE	SPOCK&2 13.200 345KV	168	-0.01542	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03784	51
OKGE	SPOCK&4 13.200 345KV	168	-0.01542	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03784	51
OKGE	REDBUD 345KV	1100	-0.01402	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03782	51
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03781	51
OKGE	MUSKOGEE 161KV	106	-0.00937	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03775	51
OKGE	TINKER 50 138KV	63	-0.01393	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03773	51
EMDE	RIVERTON 161KV	285	-0.00756	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03739	51
EMDE	RIVERTON 69KV	67.94769	-0.00734	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03717	52
OKGE	SEMINOLE 345KV	1029.6	-0.01332	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03712	52
WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03711	52
EMDE	STATE LINE 161KV	574	-0.00725	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03708	52
EMDE	ASBJURY 161KV	172.5534	-0.00723	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03706	52
OKGE	SEMINOLE 138KV	483.3642	-0.01315	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03695	52
OKGE	MUSTANG 69KV	106	-0.01443	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03685	52
OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	LAWRENCE ENERGY CENTER 115KV	199.8975	0.02242	-0.03684	52
OKGE	AES 161KV	160	-0.00687	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.0367	52
AEWP	FLINT CREEK 161KV	244	-0.00883	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03668	52
MIPU	LAKE ROAD 161KV	136	0.01506	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03666	52
MIPU	LAKE ROAD 34KV	44.61319	0.01506	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03666	52
AEWP	TONTTOWN 161KV	346.12	-0.00823	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03661	52
AEWP	CITY OF BURLINGTON 69KV	54.7	-0.01874	KACP	IATAN 345KV	396	0.01785	-0.03659	52
OKGE	MCCLAIN 138KV	370	-0.01417	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03659	52
MIDW	rise 115kv	999	-0.01266	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03646	53
OKGE	REDBUD 345KV	1100	-0.01402	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03644	53
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03643	53
AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03637	53
AEWP	SOUTHWESTERN STATION 138KV	1242	-0.01257	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03637	53
OKGE	TINKER 50 138KV	62	-0.01393	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03635	53
AEWP	COMANCHE 138KV	195	-0.01352	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03632	53
AEWP	COMANCHE 69KV	78	-0.01248	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03628	53
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	KACP	IATAN 345KV	396	0.01785	-0.03628	53
WERE	CHANUTE 69KV	45.605	-0.0183	KACP	IATAN 345KV	396	0.01785	-0.03615	53
OKGE	WELSH 345KV	1354.0511	-0.00831	KACP	IATAN 345KV	232.8574	0.02983	-0.03611	53
OKGE	SOONER 345KV	540	-0.01821	KACP	IATAN 345KV	396	0.01785	-0.03605	53
AEWP	FITZHUGH 161KV	112	-0.00613	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03596	53
EMDE	RIVERTON 161KV	285	-0.00756	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03594	53
OKGE	LONESTAR POWER PLANT 69KV	50	-0.00599	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03582	54
AEWP	WILKES 138KV	528	-0.00594	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03577	54
OKGE	SEMINOLE 345KV	1029.6	-0.01332	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03574	54
EMDE	RIVERTON 69KV	67.94769	-0.00734	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03572	54
AEWP	WILKES 345KV	351	-0.00586	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03569	54
EMDE	LARUSSEL 161KV	296	-0.00581	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03564	54
EMDE	STATE LINE 161KV	574	-0.00725	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03563	54
EMDE	ASBJURY 161KV	172.5534	-0.00723	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03561	54
AEWP	EASTMAN 138KV	130.01	-0.00577	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03558	54
AEWP	LEBROCK 345KV	382	-0.00575	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03556	54
AEWP	PIRKEY GENERATION 138KV	480	-0.00575	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03556	54
OKGE	SEMINOLE 138KV	483.3642	-0.01315	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03557	54
AEWP	KNOXLEE 138KV	483	-0.00573	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03556	54
OKGE	AES 161KV	160	-0.00687	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03525	54
AEWP	LIEBERMAN 138KV	272	-0.00542	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03525	54
AEWP	ARSENAL HILL 69KV	110	-0.00534	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03517	55
AEWP	KIOWA 345KV	1348	-0.01132	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03512	55
MIDW	rise 115kv	999	-0.01266	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03508	55
AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03499	55
AEWP	SOUTHWESTERN STATION 138KV	1242	-0.01257	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03499	55
AEWP	COMANCHE 138KV	195	-0.01252	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03494	55
AEWP	FULTON 115KV	153	-0.00508	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02983	-0.03491	55
AEWP	COMANCHE 69KV	78	-0.01248	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03459	55
AEWP	WLELETKA 138KV	162	-0.01104	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03458	55
AEWP	NORTHEASTERN STATION 138KV	768	-0.01103	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03483	55
AEWP	WELSH 345KV	1354.0511	-0.00631	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03469	55
AEWP	COGENTRIX 345KV	694	-0.01083	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03463	55
AEWP	TULSA POWER STATION 138KV	320	-0.01083	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03463	55
AEWP	TULSA POWER STATION 69KV	80	-0.01083	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03463	55
AEWP	NORTHEASTERN STATION 345KV	585	-0.0108	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.0346	55
AEWP	FITZHUGH 161KV	112	-0.00613	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03451	56
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00599	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03437	56
AEWP	OCG 345KV	1878.03	-0.01055	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03435	56
WEPL	A. M. MULLERGEN GENERATOR 115KV	93	0.01774	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.06172	-0.03428	56
AEWP	WILKES 138KV	528	-0.00594	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03432	56
AEWP	WILKES 345KV	351	-0.00586	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03424	56
EMDE	LARUSSEL 161KV	296	-0.00581	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03419	56
AEWP	EASTMAN 138KV	130.01	-0.00577	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03415	56
AEWP	LEBROCK 345KV	382	-0.00575	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03413	56
AEWP	PIRKEY GENERATION 138KV	480	-0.00575	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03413	56
AEWP	KNOXLEE 138KV	483	-0.00573	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03411	56
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	MIPU	LAKE ROAD 34KV	47.36881	0.01506	-0.0338	57
AEWP	LIEBERMAN 138KV	272	-0.00542	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03378	57
AEWP	KIOWA 345KV	1348	-0.01132	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03374	57
AEWP	ARSENAL HILL 69KV	110	-0.00534	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03372	57
OKGE	MUSKOGEE 345KV	237.4275	-0.00989	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03369	57
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	LEBROCK 345KV	315	-0.00575	-0.03363	57
OKGE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	EASTMAN 138KV	355	-0.00577	-0.03361	57
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	MIPU	LAKE ROAD 34KV	47.36881	0.01506	-0.03349	57
AEWP	MID-CONTINENT 138KV	142.11	-0.00967	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03347	57
AEWP	FULTON 115KV	153	-0.00508	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03346	

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	GETTY 69KV	35	-0.08726	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.13898	13
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.11106	15
WERE	GETTY 69KV	35	-0.08726	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.11709	16
WERE	GETTY 69KV	35	-0.08726	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.11564	16
WERE	GETTY 69KV	35	-0.08726	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.11106	16
WERE	GETTY 69KV	35	-0.08726	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.10968	17
WERE	GETTY 69KV	35	-0.08726	WERE	IATAN 345KV	396	0.01785	-0.10543	17
WERE	GETTY 69KV	35	-0.08726	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.10232	18
WERE	GETTY 69KV	35	-0.08726	KACY	NEARMAN 20KV	174.3171	0.01322	-0.10048	18
WERE	GETTY 69KV	35	-0.08726	KACY	HAWTHORN 161KV	455	0.01236	-0.09962	18
WERE	GETTY 69KV	35	-0.08726	KACY	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.09999	18
WERE	GETTY 69KV	35	-0.08726	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.09867	18
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.09753	19
WERE	GETTY 69KV	35	-0.08726	KACAP	MONTROSE 161KV	216.6303	0.00912	-0.09638	19
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.09608	19
WERE	GETTY 69KV	35	-0.08726	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.09597	19
WERE	GETTY 69KV	35	-0.08726	KACAP	MARSHALL 161KV	15	0.00741	-0.09467	19
WERE	CITY OF MULVANE 69KV	15.79	-0.04133	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09305	20
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.09155	20
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09112	20
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09063	20
WERE	WACO 138KV	30	-0.03883	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.09055	20
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.09012	20
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.08985	20
WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.08985	20
WERE	GETTY 69KV	35	-0.08726	KACAP	LACYGNE UNIT 345KV	721.8978	0.00173	-0.08899	20
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACAP	IATAN 345KV	396	0.01785	-0.08555	21
WERE	GETTY 69KV	35	-0.08726	EMDE	OZARK BEACH 161KV	16	-0.00437	-0.08289	21
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.08276	22
WERE	GETTY 69KV	35	-0.08726	AEPW	LEBROCK 345KV	315	-0.00575	-0.08151	22
WERE	GETTY 69KV	35	-0.08726	AEPW	EASTMAN 138KV	355	-0.00577	-0.08149	22
WERE	GETTY 69KV	35	-0.08726	AEPW	FITZHUGH 161KV	28.99999	-0.00613	-0.08113	22
WERE	GETTY 69KV	35	-0.08726	AEPW	WELSH 345KV	49.94872	-0.00631	-0.08095	22
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACY	NEARMAN 20KV	174.3171	0.01322	-0.07411	22
WERE	GETTY 69KV	35	-0.08726	OKGE	AES 161KV	160	-0.00687	-0.08039	23
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACAP	HAWTHORN 161KV	455	0.01236	-0.08006	23
WERE	GETTY 69KV	35	-0.08726	EMDE	ASBURY 161KV	38.44659	-0.00723	-0.08003	23
WERE	GETTY 69KV	35	-0.08726	OKGE	STATE LINE 161KV	32	-0.00726	-0.08001	23
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACAP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.07943	23
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	MIPU	SIBLEY 161KV	26.16531	0.01141	-0.07911	23
WERE	GETTY 69KV	35	-0.08726	AEPW	FLINT CREEK 161KV	184	-0.0083	-0.07896	23
WERE	GETTY 69KV	35	-0.08726	OKGE	MUSKOGEE 161KV	60	-0.00937	-0.07789	23
WERE	GETTY 69KV	35	-0.08726	OKGE	MUSKOGEE 345KV	1327.673	-0.00989	-0.07773	24
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACAP	MONTROSE 161KV	216.6303	0.00912	-0.07682	24
WERE	GETTY 69KV	35	-0.08726	AEPW	OEC 345KV	289	-0.01055	-0.07671	24
WERE	GETTY 69KV	35	-0.08726	AEPW	NORTHEASTERN STATION 345KV	60	-0.10108	-0.07646	24
WERE	GETTY 69KV	35	-0.08726	AEPW	COGENTRUX 345KV	209	-0.01083	-0.07643	24
WERE	GETTY 69KV	35	-0.08726	AEPW	NORTHEASTERN STATION 138KV	25.5	-0.01103	-0.07623	24
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00844	-0.07614	24
WERE	GETTY 69KV	35	-0.08726	AEPW	WEATHERFORD 34KV	148	-0.01238	-0.07488	24
WERE	GETTY 69KV	35	-0.08726	OKGE	SEMINOLE 138KV	21.63582	-0.01315	-0.07411	24
WERE	GETTY 69KV	35	-0.08726	OKGE	REDBUD 345KV	100	-0.01402	-0.07324	25
WERE	GETTY 69KV	35	-0.08726	OKGE	MCCLAIN 138KV	150	-0.01417	-0.07309	25
WERE	GETTY 69KV	35	-0.08726	OKGE	SMITH COGEN 138KV	107	-0.01435	-0.07291	25
WERE	GETTY 69KV	35	-0.08726	OKGE	CENTRAL WIND 34KV	120	-0.01526	-0.072	25
WERE	GETTY 69KV	35	-0.08726	OKGE	FPLWIND2 34KV	101.9983	-0.01531	-0.07195	25
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07046	26
OKGE	COFFEY COUNTY NO. 2 SHARPE 69KV	20	-0.01874	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07046	26
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01843	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07015	26
WERE	CHANUTE 69KV	45.605	-0.0183	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07002	26
WERE	CITY OF ERIE 69KV	24.53	-0.0183	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.07002	26
OKGE	SOONER 345KV	540	-0.01821	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06993	26
WERE	CITY OF AUGUSTA 69KV	17.41999	-0.0677	KACAP	LACYGNE UNIT 345KV	721.8978	0.00173	-0.06943	26
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.06921	26
WERE	GETTY 69KV	35	-0.08726	WERE	CHANUTE 69KV	34.995	-0.0183	-0.06896	26
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.06871	26
WERE	GETTY 69KV	35	-0.08726	OKGE	SOONER 138KV	535	-0.01855	-0.06871	26
WERE	WACO 138KV	30	-0.03883	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.06866	27
WERE	GETTY 69KV	35	-0.08726	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.01874	-0.06852	27
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.06796	27
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06776	27
WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	LAWRENCE ENERGY CENTER 230KV	232.8574	0.02963	-0.06761	27
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06729	27
WERE	WACO 138KV	30	-0.03883	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06721	27
OKGE	SPOCK&1&2 13.200 345KV	168	-0.01542	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06714	27
OKGE	SPOCK&3&4 13.200 345KV	168	-0.01542	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06714	27
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06651	27
WERE	CITY OF IOLA 69KV	42.878	-0.01469	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06641	27
WERE	CITY OF WINFIELD 69KV	40	-0.03778	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.06616	28
OKGE	MUSTANG 69KV	106	-0.01443	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06615	28
OKGE	MUSTANG 138KV	365.5	-0.01442	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06614	28
OKGE	MUSTANG 138KV	370	-0.01417	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06589	28
OKGE	REDBUD 345KV	1100	-0.01402	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06574	28
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06573	28
OKGE	TINKER 5G 138KV	62	-0.01393	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06565	28
OKGE	SEMINOLE 345KV	1029.6	-0.01332	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06504	28
OKGE	SEMINOLE 138KV	483.3642	-0.01315	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.06487	28

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: RENO - SUMMIT 345KV & WICHITA - RENO 345KV
 Limiting Facility: MIDIAN - WILLIAMS BROTHERS PIPELINE 161KV CKT 1
 Direction: To->From
 Line Outage: LANG - WICHITA 345KV CKT 1
 Flowgate: 2007AG1AFS411531408AP
 Date Redispatch Needed: Starting 2008 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount
1222932	1.6	1.8
1222937	0.2	1.8

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

MIDW	rice 115KV		999	-0.01266	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06438	28
AEWP	SOUTHWESTERN STATION 138KV		463	-0.01257	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06429	28
AEWP	1242		1242	-0.01257	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06429	28
AEWP	COMANCHE 138KV		195	-0.01252	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06424	28
AEWP	COMANCHE 69KV		78	-0.01248	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.0642	28
AEWP	GILL ENERGY CENTER 69KV		118	-0.03938	WERE	SMOKEY HILLS 34KV			51	0.0238	-0.06318	29
WERE	KIOWA 345KV		1348	-0.01132	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06304	29
AEWP	WELLESKA 138KV		162	-0.01104	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06278	29
AEWP	NORTHEASTERN STATION 138KV		768	-0.01103	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06275	29
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	WERE	SMOKEY HILLS 34KV			51	0.0238	-0.06271	29
WERE	WACO 138KV		30	-0.03883	WERE	SMOKEY HILLS 34KV			51	0.0238	-0.06263	29
AEWP	COGENTRIX 345KV		694	-0.01083	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06255	29
AEWP	TULSA POWER STATION 138KV		320	-0.01083	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06255	29
AEWP	TULSA POWER STATION 69KV		80	-0.01083	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06255	29
AEWP	NORTHEASTERN STATION 345KV		585	-0.0108	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06252	29
AEWP	OEG 345KV		1878.03	-0.01055	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06227	29
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	WERE	SMOKEY HILLS 34KV			51	0.0238	-0.06193	29
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	WERE	HUTCHINSON ENERGY CENTER 115KV			199.8975	0.02242	-0.0618	29
OKGE	MUSKOGEE 345KV		237.4275	-0.00989	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06161	30
WERE	CITY OF WINFIELD 69KV		40	-0.03778	WERE	SMOKEY HILLS 34KV			51	0.0238	-0.06158	30
AEWP	MID-CONTINENT 138KV		142.11	-0.00967	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06139	30
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	WERE	HUTCHINSON ENERGY CENTER 115KV			199.8975	0.02242	-0.06133	30
WERE	WACO 138KV		30	-0.03883	WERE	HUTCHINSON ENERGY CENTER 115KV			199.8975	0.02242	-0.06125	30
OKGE	MUSKOGEE 161KV		106	-0.00937	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06109	30
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	WERE	HUTCHINSON ENERGY CENTER 115KV			199.8975	0.02242	-0.06055	30
WERE	CITY OF WINFIELD 69KV		40	-0.03778	WERE	HUTCHINSON ENERGY CENTER 115KV			199.8975	0.02242	-0.06060	30
AEWP	FLINT CREEK 161KV		244	-0.0083	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.06002	30
AEWP	TONITOWN 161KV		346.12	-0.00823	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05995	30
EMDE	RIVERTON 161KV		285	-0.00756	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05928	31
AEWP	RIVERTON 69KV		67.94769	-0.00734	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05906	31
EMDE	STATE LINE 161KV		574	-0.00725	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05897	31
EMDE	ASBURY 161KV		172.5534	-0.00723	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05895	31
WERE	GETTY 69KV		35	-0.08726	EMDE	ELK RIVER 345KV			150	-0.02831	-0.05895	31
OKGE	AES 161KV		160	-0.00687	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05859	31
AEWP	NARROWS 69KV		30	-0.00685	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05857	31
AEWP	WELSH 345KV		1354.051	-0.00631	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05803	31
AEWP	FITZHUGH 161KV		112	-0.00613	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05785	31
AEWP	LONE STAR POWER PLANT 69KV		50	-0.00599	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05771	32
AEWP	WILKES 138KV		528	-0.00594	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05768	32
AEWP	WILKES 345KV		351	-0.00586	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05758	32
EMDE	LARUSSEL 161KV		296	-0.00581	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05753	32
AEWP	EASTMAN 138KV		130.01	-0.00577	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05749	32
AEWP	LEBRONCK 345KV		382	-0.00575	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05747	32
AEWP	PIRKEY GENERATION 138KV		480	-0.00575	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05747	32
AEWP	KNOWLES 138KV		483	-0.00573	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05745	32
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	KACP	IATAN 345KV			396	0.01785	-0.05723	32
AEWP	LIEBERMAN 138KV		272	-0.00542	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05714	32
AEWP	BARREN HILL 69KV		110	-0.00534	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05708	32
AEWP	FULTON 115KV		153	-0.00508	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.05658	32
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACP	IATAN 345KV			396	0.01785	-0.05676	32
WERE	WACO 138KV		30	-0.03883	KACP	IATAN 345KV			396	0.01785	-0.05668	32
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACP	IATAN 345KV			396	0.01785	-0.05598	32
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	IATAN 345KV			396	0.01785	-0.05563	32
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	MIFU	LAKE ROAD 34KV			47.38681	0.01506	-0.05444	33
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	MIFU	LAKE ROAD 34KV			47.38681	0.01506	-0.05397	34
WERE	WACO 138KV		30	-0.03883	MIFU	LAKE ROAD 34KV			47.38681	0.01506	-0.05389	34
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	MIFU	LAKE ROAD 34KV			47.38681	0.01506	-0.05319	34
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	LAKE ROAD 34KV			47.38681	0.01506	-0.05284	34
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	KACY	NEARMAN 20KV			174.3171	0.01322	-0.0526	35
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACY	NEARMAN 20KV			174.3171	0.01322	-0.05213	35
WERE	WACO 138KV		30	-0.03883	KACY	NEARMAN 20KV			174.3171	0.01322	-0.05205	35
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	KACP	HAWTHORN 161KV			455	0.01236	-0.05174	35
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACY	NEARMAN 20KV			174.3171	0.01322	-0.05135	35
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACP	HAWTHORN 161KV			455	0.01236	-0.05127	35
WERE	WACO 138KV		30	-0.03883	KACP	HAWTHORN 161KV			455	0.01236	-0.05119	36
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.05111	36
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	NEARMAN 20KV			174.3171	0.01322	-0.051	36
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	MIFU	SIBLEY 161KV			26.16531	0.01141	-0.05079	36
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.05064	36
WERE	WACO 138KV		30	-0.03883	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.05056	36
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.05056	36
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	MIFU	SIBLEY 161KV			26.16531	0.01141	-0.05032	36
WERE	WACO 138KV		30	-0.03883	MIFU	SIBLEY 161KV			26.16531	0.01141	-0.05024	36
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	HAWTHORN 161KV			455	0.01236	-0.05014	36
KACP	LACYGNE UNIT 345KV		236.1022	0.00713	WERE	TECUMSEH ENERGY CENTER 115KV			133	0.05172	-0.04995	36
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.04986	37
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	MIFU	SIBLEY 161KV			26.16531	0.01141	-0.04954	37
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV			78.99857	0.01173	-0.04951	37
WERE	CITY OF WINFIELD 69KV		40	-0.03778	MIFU	SIBLEY 161KV			26.16531	0.01141	-0.04919	37
WERE	CITY OF BURLINGTON 69KV		54.7	-0.01874	WERE	LAWRENCE ENERGY CENTER 230KV			232.8574	0.02983	-0.04867	37
OKGE	SOUTH 4TH ST 69KV		42.7	-0.01843	WERE	LAWRENCE ENERGY CENTER 230KV			232.8574	0.02983	-0.04826	38
WERE	CHANUTE 69KV		45.605	-0.0183	WERE	LAWRENCE ENERGY CENTER 230KV			232.8574	0.02983	-0.04813	38
OKGE	SOONER 345KV		540	-0.01821	WERE	LAWRENCE ENERGY CENTER 230KV			232.8574	0.02983	-0.04804	38
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACP	MONTROSE 161KV			216.6303	0.00912	-0.04803	38
WERE	WACO 138KV		30	-0.03883	KACP	MONTROSE 161KV			216.6303	0.00912	-0.04795	38
WERE	GILL ENERGY CENTER 69KV		118	-0.03938	WEPL	GRAY COUNTY WIND FARM 115KV			36	0.00844	-0.04782	38
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	WEPL	GRAY COUNTY WIND FARM 115KV			36	0.00844	-0.04739	38
WERE	WACO 138KV		30	-0.03883	WEPL	GRAY COUNTY WIND FARM 115KV			36	0.00844	-0.04727	38
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACP	MONTROSE 161KV			216.6303	0.00912	-0.04725	38
WERE	CITY OF BURLINGTON 69KV		54.7	-0.01874	WERE	JEFFREY ENERGY CENTER 345KV			940	0.02838	-0.04712	39
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	MONTROSE 161KV			216.6303	0.00912	-0.0469	39
OKGE</												

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

MIDW	rice 115kv		999	-0.01266	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.04104	44
KACP	BULL CREEK 161KV		413	-0.01074	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04098	44
AEWP	SOUTHWESTERN STATION 138KV		463	-0.01257	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.04095	44
AEWP	SOUTHWESTERN STATION 138KV		1242	-0.01257	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.04095	44
AEWP	COMANCHE 138KV		195	-0.01252	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.04095	44
MIPU	ARIES 161KV		595	-0.01083	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04089	45
AEWP	WEELETKA 138KV		162	-0.01104	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04087	45
AEWP	COMANCHE 69KV		78	-0.01248	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.04086	45
AEWP	NORTHEASTERN STATION 138KV		768	-0.01103	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04086	45
MIPU	GREENWOOD 161KV		255.8	-0.01087	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04085	45
OKGE	SOUTH 4TH ST 69KV		42.7	-0.01843	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.04085	45
WERE	CHANUTE 69KV		45.605	-0.0183	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.04077	45
AEWP	COGENTRIX 345KV		694	-0.01083	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04066	45
AEWP	TULSA POWER STATION 138KV		320	-0.01083	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04066	45
AEWP	TULSA POWER STATION 69KV		80	-0.01083	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04066	45
WERE	GILL ENERGY CENTER 138KV		285	-0.03891	KACP	LACYGNE UNIT 345KV		721.8978	0.00173	-0.04064	45
AEWP	NORTHEASTERN STATION 345KV		585	-0.0108	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04063	45
OKGE	SOONER 345KV		540	-0.01821	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.04063	45
MIPU	SOUTH HARPER 161KV		315	-0.01114	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04058	45
WERE	WACO 138KV		30	-0.03883	KACP	LACYGNE UNIT 345KV		721.8978	0.00173	-0.04056	45
AEWP	DEC 345KV		1878.03	-0.01055	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.04038	45
MIPU	SIBLEY 161KV		223.8347	-0.01141	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04031	45
MIPU	SIBLEY 69KV		47.2	-0.01163	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.04009	45
WERE	EVANS ENERGY CENTER 138KV		848	-0.03813	KACP	LACYGNE UNIT 345KV		721.8978	0.00173	-0.03986	46
OKGE	MUSKOGEE 345KV		237.4275	-0.00989	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03972	46
AEWP	KIOWA 345KV		1348	-0.01132	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03970	46
WERE	CITY OF WINFIELD 69KV		40	-0.03778	KACP	LACYGNE UNIT 345KV		721.8978	0.00173	-0.03951	46
AEWP	MID-CONTINENT 138KV		142.11	-0.00967	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.0395	46
MIDW	bowmee 115kv		999	-0.01226	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03946	46
AEWP	WEELETKA 138KV		162	-0.01104	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03942	46
AEWP	NORTHEASTERN STATION 138KV		768	-0.01103	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03941	46
KACP	HAWTHORN 161KV		455	-0.01236	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03936	46
OKGE	SPGCK1&2 13.200 345KV		168	-0.01542	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03922	46
OKGE	SPGCK3&4 13.200 345KV		168	-0.01542	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03922	46
AEWP	COGENTRIX 345KV		694	-0.01083	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03921	46
OKGE	TULSA POWER STATION 138KV		320	-0.01083	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03921	46
AEWP	TULSA POWER STATION 69KV		80	-0.01083	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03921	46
OKGE	MUSKOGEE 161KV		106	-0.00937	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.0392	46
AEWP	NORTHEASTERN STATION 345KV		585	-0.0108	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03918	46
KACP	NORTHEAST 13KV		277	-0.01261	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03911	47
KACP	NORTHEAST 161KV		277	-0.01261	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03911	47
AEWP	DEC 345KV		1878.03	-0.01055	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03893	47
KACP	KAW 69KV		242	-0.01307	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03865	47
KACY	QUINDARO 69KV		177	-0.01312	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03865	47
KACY	QUINDARO 161KV		237.0915	-0.01316	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03856	47
KACY	NEARMAN 161KV		80	-0.01322	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.0385	47
KACY	NEARMAN 20KV		60.68289	-0.01322	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.0385	47
WERE	CITY OF DOK 69KV		42.878	-0.01469	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03849	47
MIPU	TWA 161KV		32.1	-0.01333	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03839	47
OKGE	MUSKOGEE 345KV		237.4275	-0.00989	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03827	48
OKGE	MUSTANG 69KV		106	-0.01443	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03823	48
OKGE	MUSTANG 138KV		365.5	-0.01442	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03822	48
AEWP	FLINT CREEK 161KV		244	-0.0083	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03813	48
OKGE	TONTOWN 161KV		346.12	-0.00823	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03806	48
AEWP	MID-CONTINENT 138KV		142.11	-0.00967	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03805	48
OKGE	MCLAIN 138KV		370	-0.01417	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03797	48
OKGE	SPGCK1&2 13.200 345KV		168	-0.01542	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03784	48
OKGE	SPGCK3&4 13.200 345KV		168	-0.01542	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03784	48
OKGE	REDBUD 345KV		1100	-0.01402	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03782	48
OKGE	HORSESHOE LAKE 138KV		860	-0.01401	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03781	48
OKGE	MUSKOGEE 161KV		106	-0.00937	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03775	48
OKGE	TINKER 50 138KV		63	-0.01393	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03773	48
EMDE	RIVERTON 161KV		285	-0.00756	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03739	49
EMDE	RIVERTON 69KV		67.94769	-0.00734	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03717	49
OKGE	SEMINOLE 345KV		1029.6	-0.01332	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03712	49
WERE	CITY OF JOLA 69KV		42.878	-0.01469	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03711	49
EMDE	STATE LINE 161KV		574	-0.00725	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03708	49
EMDE	ASBJURY 161KV		172.5534	-0.00723	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03706	49
OKGE	SEMINOLE 138KV		483.3642	-0.01315	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03695	49
OKGE	MUSTANG 69KV		106	-0.01443	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03685	49
OKGE	MUSTANG 138KV		365.5	-0.01442	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03684	49
OKGE	AES 161KV		160	-0.00687	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03681	50
AEWP	FLINT CREEK 161KV		244	-0.0083	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03668	50
MIPU	LAKE ROAD 161KV		136	-0.01506	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03666	50
MIPU	LAKE ROAD 34KV		44.61319	-0.01506	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.05172	-0.03666	50
WERE	TONTOWN 161KV		346.12	-0.00823	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03662	50
WERE	CITY OF BURLINGTON 69KV		54.7	-0.01874	KACP	IATAN 345KV		396	0.01785	-0.03659	50
OKGE	MCLAIN 138KV		370	-0.01417	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03659	50
MIDW	rice 115kv		999	-0.01266	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03646	50
OKGE	REDBUD 345KV		1100	-0.01402	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03644	50
OKGE	HORSESHOE LAKE 138KV		860	-0.01401	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03643	50
AEWP	SOUTHWESTERN STATION 138KV		463	-0.01257	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03637	50
OKGE	SOUTHWESTERN STATION 138KV		1242	-0.01257	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03637	50
AEWP	TINKER 50 138KV		62	-0.01393	WERE	HUTCHINSON ENERGY CENTER 115KV		199.8975	0.02242	-0.03635	50
AEWP	COMANCHE 138KV		195	-0.01252	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03632	50
AEWP	COMANCHE 69KV		78	-0.01248	WERE	SMOKEY HILLS 34KV		51	0.0238	-0.03628	50
OKGE	SOUTH 4TH ST 69KV		42.7	-0.01843	KACP	IATAN 345KV		396	0.01785	-0.03628	50
WERE	CHANUTE 69KV		45.605	-0.0183	KACP	IATAN 345KV		396	0.01785	-0.03615	50
AEWP	WELSH 345KV		1354.051	-0.00831	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03606	50
OKGE	SOONER 345KV		540	-0.01821	KACP	IATAN 345KV		396	0.01785	-0.03606	50
AEWP	FITZHUGH 161KV		112	-0.00613	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03596	51
EMDE	RIVERTON 161KV		285	-0.00756	WERE	JEFFREY ENERGY CENTER 345KV		940	0.02838	-0.03594	51
OKGE	LONESTAR POWER PLANT 69KV		50	-0.00599	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.02983	-0.03582	51
AEWP	WILKES 138KV		528	-0.00594	WERE	LAWRENCE ENERGY CENTER 230KV		232.8574	0.0		

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

WERE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	LEBROCK 345KV	315	-0.00575	-0.03363	54
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	EASTMAN 138KV	355	-0.00577	-0.03361	54
OKGE	SOUTH 4TH ST 69KV	42.77	-0.01843	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.03349	54
AEWP	MID-CONTINENT 138KV	142.11	-0.00967	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03347	54
AEWP	FULTON 115KV	153	-0.00508	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02838	-0.03346	54
AEWP	WELLEKA 138KV	162	-0.01104	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03346	54
AEWP	NORTHEASTERN STATION 138KV	768	-0.01103	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03345	54
WERE	CHANUTE 69KV	45.6055	-0.01843	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.03338	55
OKGE	SOONER 345KV	540	-0.01821	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.03327	55
OKGE	SPGCK1&2 13.200 345KV	168	-0.01542	KACP	IATAN 345KV	396	0.01785	-0.03327	55
OKGE	SPGCK3&4 13.200 345KV	168	-0.01542	KACP	IATAN 345KV	396	0.01785	-0.03327	55
AEWP	COGENTRIX 345KV	694	-0.01083	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03325	55
AEWP	TULSA POWER STATION 138KV	320	-0.01083	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03325	55
AEWP	TULSA POWER STATION 69KV	80	-0.01083	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03325	55
AEWP	NORTHEASTERN STATION 345KV	585	-0.0108	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03322	55
OKGE	MUSKOGEE 161KV	106	-0.00937	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03317	55
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	AEWP	LEBROCK 345KV	315	-0.00575	-0.03316	55
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	AEWP	EASTMAN 138KV	355	-0.00577	-0.03314	55
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	WELSH 345KV	49.94872	-0.00631	-0.03307	55
AEWP	OEC 345KV	1878.03	-0.01055	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03297	55
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	AEWP	WELSH 345KV	49.94872	-0.00631	-0.03296	56
WERE	CITY OF IOLA 69KV	42.878	-0.01469	KACP	IATAN 345KV	396	0.01785	-0.03254	56
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	OKGE	AES 161KV	160	-0.00687	-0.03251	56
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	AEWP	LEBROCK 345KV	315	-0.00575	-0.03238	56
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	AEWP	EASTMAN 138KV	355	-0.00577	-0.03236	56
OKGE	MUSKOGEE 345KV	237.4275	-0.00969	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03231	56
OKGE	MUSTANG 69KV	106	-0.01443	KACP	IATAN 345KV	396	0.01785	-0.03228	56
OKGE	MUSTANG 138KV	365.5	-0.01442	KACP	IATAN 345KV	396	0.01785	-0.03227	56
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	EMDE	ASBURY 161KV	38.44659	-0.00723	-0.03215	57
MIDW	KNOLL 115KV	75.924	-0.0108	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.05172	-0.03212	57
AEWP	FLINT CREEK 161KV	244	-0.0083	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03211	57
AEWP	MID-CONTINENT 138KV	142.11	-0.00967	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03209	57
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	OKGE	AES 161KV	160	-0.00687	-0.03204	57
WERE	CITY OF WINFIELD 69KV	40	-0.03778	AEWP	LEBROCK 345KV	315	-0.00575	-0.03203	57
AEWP	TONTTOWN 161KV	346.12	-0.00823	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03203	57
OKGE	MCLAIN 138KV	370	-0.01417	KACP	IATAN 345KV	396	0.01785	-0.03202	57
WERE	CITY OF WINFIELD 69KV	40	-0.03778	AEWP	EASTMAN 138KV	355	-0.00577	-0.03201	57
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	KACY	NEARMAN 20KV	174.3171	0.01322	-0.03196	57
OKGE	REDBUD 345KV	1100	-0.01402	KACP	IATAN 345KV	396	0.01785	-0.03187	57
OKGE	HORSESHOE LAKE 138KV	860	-0.01401	KACP	IATAN 345KV	396	0.01785	-0.03186	57
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	AEWP	WELSH 345KV	49.94872	-0.00631	-0.03182	57
OKGE	MUSKOGEE 161KV	106	-0.00937	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03179	57
OKGE	TINKER 56 138KV	62	-0.01393	KACP	IATAN 345KV	396	0.01785	-0.03178	57
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	EMDE	ASBURY 161KV	38.44659	-0.00723	-0.03168	57
OKGE	SOUTH 4TH ST 69KV	42.77	-0.01843	KACY	NEARMAN 20KV	174.3171	0.01322	-0.03165	58
WERE	CHANUTE 69KV	45.6055	-0.01843	KACY	NEARMAN 20KV	174.3171	0.01322	-0.03152	58
WERE	CITY OF WINFIELD 69KV	40	-0.03778	AEWP	WELSH 345KV	49.94872	-0.00631	-0.03147	58
OKGE	SOONER 345KV	540	-0.01821	KACP	NEARMAN 20KV	174.3171	0.01322	-0.03143	58
EMDE	RIVERTON 161KV	285	-0.00756	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03136	58
WERE	EVANS ENERGY CENTER 138KV	848	-0.03813	OKGE	AES 161KV	160	-0.00687	-0.03126	58
OKGE	SEMINOLE 345KV	1029.6	-0.01332	KACP	IATAN 345KV	396	0.01785	-0.03117	58
EMDE	RIVERTON 69KV	67.94769	-0.00734	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03114	58
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	KACP	HAWTHORN 161KV	455	0.01236	-0.03111	59
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	AEWP	FLINT CREEK 161KV	164	-0.0083	-0.03108	59
EMDE	STATE LINE 161KV	574	-0.00725	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03105	59
EMDE	ASBURY 161KV	172.5534	-0.00723	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03103	59
OKGE	SEMINOLE 138KV	483.3642	-0.01315	KACP	IATAN 345KV	396	0.01785	-0.031	59
OKGE	CITY OF WINFIELD 69KV	40	-0.03778	OKGE	AES 161KV	160	-0.00687	-0.03101	59
OKGE	SOUTH 4TH ST 69KV	42.77	-0.01843	KACP	HAWTHORN 161KV	455	0.01236	-0.03079	59
AEWP	FLINT CREEK 161KV	244	-0.0083	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03072	59
OKGE	AES 161KV	160	-0.00687	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03067	59
WERE	CHANUTE 69KV	45.6055	-0.01843	KACP	HAWTHORN 161KV	455	0.01236	-0.03066	59
AEWP	TONTTOWN 161KV	346.12	-0.00823	WERE	HUTCHINSON ENERGY CENTER 115KV	199.8975	0.02242	-0.03065	59
WERE	GILL ENERGY CENTER 138KV	285	-0.03891	AEWP	FLINT CREEK 161KV	164	-0.0083	-0.03061	59
OKGE	SOONER 345KV	540	-0.01821	KACP	HAWTHORN 161KV	455	0.01236	-0.03057	60
MIDW	Hex 115KV	968	-0.01266	KACP	IATAN 345KV	396	0.01785	-0.03051	60
OKGE	SPGCK1&2 13.200 345KV	168	-0.01542	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.03048	60
OKGE	SPGCK3&4 13.200 345KV	168	-0.01542	MIPU	LAKE ROAD 34KV	47.38681	0.01506	-0.03048	60
WERE	CITY OF BURLINGTON 69KV	54.7	-0.01874	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.03047	60
AEWP	SOUTHWESTERN STATION 138KV	463	-0.01257	KACP	IATAN 345KV	396	0.01785	-0.03042	60
AEWP	SOUTHWESTERN STATION 138KV	424	-0.01257	KACP	IATAN 345KV	396	0.01785	-0.03042	60
AEWP	COMANCHE 138KV	195	-0.01252	KACP	IATAN 345KV	396	0.01785	-0.03037	60
AEWP	COMANCHE 69KV	78	-0.01248	KACP	IATAN 345KV	396	0.01785	-0.03033	60
OKGE	SOUTH 4TH ST 69KV	42.77	-0.01843	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.03016	60
AEWP	WELSH 345KV	1354.051	-0.00631	WERE	SMOKEY HILLS 34KV	51	0.0238	-0.03011	60
WERE	CHANUTE 69KV	45.6055	-0.01843	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	78.99857	0.01173	-0.03003	61
WERE	GILL ENERGY CENTER 69KV	118	-0.03938	OKGE	MUSKOGEE 161KV	60	-0.00937	-0.03001	61

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement
 Limiting Facility: ROSE HILL (ROSEHL3X) 345/138/13.8KV TRANSFORMER CKT 1
 Direction: From>To
 Line Outage: ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 1
 Flowgate: 2007AG1AFSA413093208FA
 Date Redispatch Needed: Starting 2008 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	2.6	2.9
1222937	0.4	2.9

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	EMDE	ELK RIVER 345KV	150	0.09041	-0.37339	8
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	ELK RIVER 345KV	150	0.09041	-0.29624	9
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.32792	9
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.32792	9
WERE	OXFORD 138KV	3	-0.25155	EMDE	ELK RIVER 345KV	150	0.09041	-0.34196	9
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.29624	9
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.29624	9
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	AES 161KV	320	-0.00346	-0.27952	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	EMDE	ASBURY 161KV	191	0.00913	-0.29211	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEWP	ELLIS 69KV	6	-0.00309	-0.27989	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEWP	FITZHUGH 161KV	5.999999	-0.00273	-0.28025	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEWP	FLINT CREEK 161KV	400	0.00305	-0.28333	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	KACP	HAWTHORN 161KV	455	0.00558	-0.28856	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.30091	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	MIPU	LAKE ROAD 161KV	35	0.00314	-0.28612	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	MIPU	LAKE ROAD 34KV	92	0.00314	-0.28612	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	EMDE	LARUSSELL 161KV	100	0.00659	-0.28957	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.28062	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	KACP	MARSHALL 161KV	15	0.00446	-0.28744	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	KACP	MONROUSE 161KV	218.3626	0.0063	-0.2892	

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

WERE	CITY OF MULVANE 69KV	10.291	-0.28298	MIDW	COLBY 115KV	11.48483	-0.01497	-0.26801	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	COMANCHE 138KV	145	-0.01791	-0.26507	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	COMANCHE 69KV	90	-0.1782	-0.26515	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	EASTMAN 138KV	355	-0.00559	-0.27739	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	FRLWND2 34KV	16	-0.02591	-0.25707	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.26079	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	HOLTON 115KV	6	-0.00659	-0.27639	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.26579	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.26579	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.26634	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.27768	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.27768	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	KNOXLEE 138KV	103	-0.00554	-0.27744	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	LEBROCK 345KV	315	-0.00557	-0.27741	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	MCLAIN 138KV	470	-0.01851	-0.26447	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.27852	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	MUSKOGEE 345KV	1548	-0.00485	-0.27803	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	MUSTANG 138KV	160	-0.01905	-0.26393	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.27869	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.27742	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	REDBUD 345KV	150	-0.01722	-0.26576	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	SEMINOLE 138KV	258.8168	-0.01621	-0.26971	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	SEMINOLE 345KV	610	-0.01652	-0.26646	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	SMITH COGEN 138KV	107	-0.01888	-0.26411	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.27015	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	SOUTH SENECA 115KV	59	-0.00864	-0.25935	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01805	-0.26493	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01805	-0.26493	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.27504	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.25526	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	WELSH 345KV	1044	-0.00624	-0.27674	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	WILKES 138KV	74.3857	-0.00578	-0.2772	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	AEPW	WILKES 345KV	119.1549	-0.00568	-0.2773	11
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.25857	11
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.25857	11
WERE	GETTY 69KV	35	-0.18764	EMDE	ELK RIVER 345KV	150	0.09041	-0.27805	11
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.25856	11
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.25856	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	AES 161KV	320	-0.00346	-0.24222	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	ASBURY 161KV	191	0.00913	-0.25481	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	CHANUTE 69KV	47.15	-0.0112	-0.23456	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.00864	-0.23704	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	COGENTRIX 345KV	200	-0.00527	-0.24041	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	EASTMAN 138KV	355	-0.00559	-0.24009	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	ELLIS 69KV	6	-0.00309	-0.24259	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	FITZJUGH 161KV	5.999999	-0.00273	-0.24295	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	FLINT CREEK 161KV	400	0.00325	-0.24603	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	HAWTHORN 161KV	455	0.00558	-0.24678	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	HOLTON 115KV	6	-0.00659	-0.23909	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.24038	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.24068	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	KNOXLEE 138KV	103	-0.00554	-0.24014	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	LAKE ROAD 161KV	35	0.00314	-0.24882	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	LAKE ROAD 34KV	92	0.00314	-0.24882	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	LARUSSELL 161KV	100	0.00659	-0.25227	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.24332	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	LEBROCK 345KV	315	-0.00557	-0.24011	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	MARSHALL 161KV	15	0.00446	-0.25104	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	MONTRÖSE 161KV	218.3628	0.0063	-0.25198	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.24122	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.24073	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	NEARMAN 20KV	235	0.00584	-0.24152	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.24139	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.2467	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	OEC 342KV	269	-0.00352	-0.24216	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	OZARK BEACH 161KV	16	0.00425	-0.24993	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.24010	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	QUINDARO 161KV	70.3205	0.00586	-0.25154	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	QUINDARO 69KV	72	0.00587	-0.25155	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	RIVERTON 161KV	35	0.00761	-0.25239	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	RIVERTON 69KV	44.73872	0.00695	-0.24928	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	SIBLEY 161KV	230.1012	0.00565	-0.25133	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.25128	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIPU	SOUTH HARPER 161KV	308.9666	0.00739	-0.25307	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	SOUTH SENECA 115KV	4	-0.00963	-0.23605	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	EMDE	STATE LINE 161KV	285.6502	0.00715	-0.25283	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.23774	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	WELSH 345KV	1044	-0.00624	-0.23944	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	WILKES 138KV	74.3857	-0.00578	-0.23947	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	WILKES 345KV	119.1549	-0.00568	-0.24	12
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WELP	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.24847	12
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WELP	JUDSON LARGE 115KV	68.24352	-0.0347	-0.24828	12
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	SOONER 138KV	535	-0.0399	-0.24308	12
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	OKGE	SOONER 345KV	537	-0.02956	-0.25342	12
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.25327	12
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.25327	12
WERE	HARPER 138KV	13.53	-0.15467	EMDE	ELK RIVER 345KV	150	0.09041	-0.24508	12
WERE	WACO 138KV	30	-0.19716	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.2421	12
WERE	WACO 138KV	30	-0.19716	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.2421	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WELP	A. M. MULLERGEN GENERATOR 115KV	25	-0.02243	-0.23235	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	CENTENIAL WIND 34KV	16	-0.02563	-0.22005	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	MIDW	COLBY 115KV	11.48483	-0.01497	-0.23071	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	COMANCHE 138KV	145	-0.01791	-0.22777	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	AEPW	COMANCHE 69KV	90	-0.1782	-0.22785	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	FRLWND2 34KV	16	-0.02591	-0.21977	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.22349	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.22786	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.22849	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.22904	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	MCLAIN 138KV	470	-0.01851	-0.22717	13
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGE	MUSTANG 138KV	160	-0.01905	-0.	

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

WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	OKGGE	'SOONER 345KV'	537	-0.02956	-0.21612	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGGE	'AES 161KV'	320	-0.00346	-0.21017	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'CHANUTE 69KV'	47.15	-0.1112	-0.20261	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'CLAY CENTER JUNCTION 115KV'	6.7	-0.00864	-0.20499	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'COGENTRIX 345KV'	200	-0.00527	-0.20836	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'EASTMAN 138KV'	365	-0.00559	-0.20804	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'ELLIS 69KV'	6	-0.00389	-0.21054	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'FITZLUUGH 161KV'	5.999999	-0.00274	-0.21109	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'FLINT CREEK 161KV'	400	0.00335	-0.21398	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'HOLTON 115KV'	6	-0.00659	-0.20704	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0053	-0.20833	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.005	-0.20833	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'KNOXLEE 138KV'	103	-0.00554	-0.20809	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	MIPU	'LAKE ROAD 161KV'	35	0.00314	-0.21677	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	MIPU	'LAKE ROAD 34KV'	92	0.00314	-0.21677	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.3485	-0.00236	-0.21127	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'LEBRUCK 345KV'	315	-0.00557	-0.20936	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGGE	'MUSKOGEE 161KV'	138	-0.00446	-0.20917	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGGE	'MUSKOGEE 345KV'	1548	-0.00495	-0.20868	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'NORTHEASTERN STATION 138KV'	346	-0.00429	-0.20934	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'NORTHEASTERN STATION 345KV'	625	0.00102	-0.21465	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'OEC 345KV'	269	-0.00352	-0.21011	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'PIRKEY GENERATION 138KV'	213	-0.00556	-0.20807	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'TECUMSEH ENERGY CENTER 115KV'	138	-0.00794	-0.20569	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'WELSH 345KV'	1044	-0.00624	-0.20739	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'WILKES 138KV'	74.3857	-0.00578	-0.20785	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'WILKES 345KV'	119.1549	-0.00568	-0.20795	14
WERE	GETTY 69KV	35	-0.18764	KACP	'LACYGNE UNIT 345KV'	968	0.01793	-0.20557	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGGE	'AES 161KV'	320	-0.00346	-0.20487	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'LAKE ROAD 161KV'	35	0.00314	-0.21147	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'EASTMAN 138KV'	365	-0.00559	-0.20804	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'ELLIS 69KV'	6	-0.00389	-0.20524	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'FITZLUUGH 161KV'	5.999999	-0.00273	-0.2056	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'FLINT CREEK 161KV'	400	0.00335	-0.20868	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'HAWTHORN 161KV'	455	0.00558	-0.21391	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0053	-0.20303	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.005	-0.20333	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'KNOXLEE 138KV'	103	-0.00554	-0.20279	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'LAKE ROAD 161KV'	35	0.00314	-0.21147	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'LAKE ROAD 34KV'	92	0.00314	-0.21147	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	EMDE	'LARUSSEL 161KV'	100	0.00659	-0.21492	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.3485	-0.00236	-0.20267	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'LEBRUCK 345KV'	315	-0.00557	-0.20776	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'MARSHALL 161KV'	36	0.00446	-0.21279	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'MONTROSE 161KV'	218.3628	0.0063	-0.21463	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGGE	'MUSKOGEE 161KV'	138	-0.00446	-0.20387	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGGE	'MUSKOGEE 345KV'	1548	-0.00495	-0.20338	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'NEARMAN 20KV'	235	0.00584	-0.21417	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'NORTHEASTERN STATION 138KV'	346	-0.00429	-0.20404	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'NORTHEASTERN STATION 345KV'	625	0.00102	-0.20935	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'OEC 345KV'	269	-0.00352	-0.20481	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	EMDE	'OZARK BEACH 161KV'	16	0.00425	-0.21259	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'PIRKEY GENERATION 138KV'	213	-0.00556	-0.20877	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'QUINDARO 161KV'	70.3205	0.00586	-0.21419	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	'QUINDARO 69KV'	72	0.00587	-0.2142	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	EMDE	'RIVERTON 161KV'	35	0.00761	-0.21594	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	EMDE	'RIVERTON 69KV'	44.73672	0.00695	-0.21528	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'SIBLEY 161KV'	230.1012	0.00565	-0.21021	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'SIBLEY 69KV'	45.99999	0.0056	-0.21393	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIPU	'SOUTH HARPER 161KV'	308.9866	0.00739	-0.21572	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	EMDE	'STATE LINE 161KV'	285.6502	0.00715	-0.21244	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'WILKES 138KV'	74.3857	-0.00578	-0.20255	14
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	'WILKES 345KV'	119.1549	-0.00568	-0.20265	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGGE	'AES 161KV'	320	-0.00346	-0.20686	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'COGENTRIX 345KV'	200	-0.00527	-0.20505	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'EASTMAN 138KV'	365	-0.00559	-0.20473	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'ELLIS 69KV'	6	-0.00389	-0.20785	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'FITZLUUGH 161KV'	5.999999	-0.00273	-0.20759	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'FLINT CREEK 161KV'	400	0.00335	-0.21067	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'HAWTHORN 161KV'	455	0.00558	-0.21599	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	'HOLTON 115KV'	6	-0.00659	-0.20704	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0053	-0.20502	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.005	-0.20532	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'KNOXLEE 138KV'	103	-0.00554	-0.20478	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	MIPU	'LAKE ROAD 161KV'	35	0.00314	-0.21346	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	MIPU	'LAKE ROAD 34KV'	92	0.00314	-0.21346	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	EMDE	'LARUSSEL 161KV'	100	0.00659	-0.21691	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	'LAWRENCE ENERGY CENTER 230KV'	232.3485	-0.00236	-0.20796	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'LEBRUCK 345KV'	315	-0.00557	-0.20475	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'MARSHALL 161KV'	36	0.00446	-0.21478	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'MONTROSE 161KV'	218.3628	0.0063	-0.21692	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGGE	'MUSKOGEE 161KV'	138	-0.00446	-0.20586	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGGE	'MUSKOGEE 345KV'	1548	-0.00495	-0.20537	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'NEARMAN 20KV'	235	0.00584	-0.21616	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'NORTHEASTERN STATION 138KV'	346	-0.00429	-0.20303	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'NORTHEASTERN STATION 345KV'	625	0.00102	-0.21134	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'OEC 345KV'	269	-0.00352	-0.20268	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	EMDE	'OZARK BEACH 161KV'	16	0.00425	-0.21457	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'PIRKEY GENERATION 138KV'	213	-0.00556	-0.20476	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'QUINDARO 161KV'	70.3205	0.00586	-0.21619	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	'QUINDARO 69KV'	72	0.00587	-0.21619	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	MIPU	'SIBLEY 161KV'	230.1012	0.00565	-0.21597	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	MIPU	'SIBLEY 69KV'	45.99999	0.0056	-0.21592	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	'TECUMSEH ENERGY CENTER 115KV'	138	-0.00794	-0.20268	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'WELSH 345KV'	1044	-0.00624	-0.20408	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'WILKES 138KV'	74.3857	-0.00578	-0.20454	14
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	'WILKES 345KV'	119.1549	-0.00568	-0.20464	14
WERE	WACO 138KV	30	-0.19716	EMDE	'ASBURY 161KV'	91	0.00913	-0.20629	14
WERE	WACO 138KV	30	-0.19716	KACP	'HAWTHORN 161KV'	455	0.00558	-0.20274	14
WERE	WACO 138KV	30	-0.19716	KACP	'LACYGNE UNIT 345KV'	968	0.01793	-0.21509	14
WERE	WACO 138KV	30	-0.19716	EMDE	'LARUSSEL 161KV'	100	0.00659	-0.20375	14
WERE	WACO 138KV	30	-0.19716	KACP	'MONTROSE 161KV'	218.3628	0.0063	-0.20446	14
WERE	WACO 138KV	30	-0.19716	KACP	'NEARMAN 20KV'	235	0.00584	-0.203	14
WERE	WACO 138KV	30	-0.19716	KACP	'QUINDARO 161KV'	70.3205	0.00586	-0.20302	14
WERE	WACO 138KV	30	-0.19716	KACP	'QUINDARO 69KV'	72	0.00587	-0.20303	14
WERE	WACO 138KV	30	-0.19716	EMDE	'RIVERTON 161KV'	35	0.00761	-0.20477	14
WERE	WACO 138KV	30	-0.19716	EMDE	'RIVERTON 69KV'	44.73672	0.00695	-0.20411	14
WERE	WACO 138KV	30	-0.19716	MIPU	'SIBLEY 161KV'	230.1012	0.00565	-0.20281	14
WERE	WACO 138KV	30	-0.19716	MIPU	'SIBLEY 69KV'	45.99999	0.0056	-0.20276	14
WERE	WACO 138KV	30	-0.19716	MIPU	'SOUTH HARPER 161KV'	308.9866	0.00739	-0.20455	14
WERE	WACO 138KV	30	-0.19716	EMDE	'STATE LINE 161KV'	285.6502	0.00715	-0.20431	14
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WERE	'A. M. MULLERGEREN GENERATOR 115KV'	25	-0.02243	-0.1912	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	MIDOW	'COLBY 115KV'	11.48483	-0.01497	-0.19866	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'COMANCHE 138KV'	145	-0.01791	-0.19572	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	AEPW	'COMANCHE 69KV'	160	-0.01783	-0.1958	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	KACP	'CREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV'	166.9751	-0.02219	-0.19444	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGGE	'HORSESHOE LAKE 138KV'	63.87012	-0.01782	-0.19361	15
WERE</									

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

WERE	GETTY 69KV	35	-0.18764	KACY	QUINDARO 161KV	70.3205	0.00586	-0.1935	15
WERE	GETTY 69KV	35	-0.18764	KACY	QUINDARO 69KV	72	0.00587	-0.1951	15
WERE	GETTY 69KV	35	-0.18764	EMDE	RIVERTON 161KV	35	0.0761	-0.1925	15
WERE	GETTY 69KV	35	-0.18764	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.19459	15
WERE	GETTY 69KV	35	-0.18764	MIPU	SIBLEY 161KV	230.1012	0.00565	-0.19329	15
WERE	GETTY 69KV	35	-0.18764	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.19324	15
WERE	GETTY 69KV	35	-0.18764	MIPU	SOUTH HARPER 161KV	308.9666	0.00739	-0.19503	15
WERE	GETTY 69KV	35	-0.18764	EMDE	STATE LINE 161KV	285.602	0.00715	-0.1951	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	CHANUTE 69KV	47.15	-0.01112	-0.19721	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.00864	-0.19669	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	MIDW	COLBY 115KV	11.48483	-0.01497	-0.19336	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	COMANCHE 138KV	145	-0.01791	-0.19169	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	COMANCHE 69KV	60	-0.01783	-0.1905	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	HOLTON 115KV	6	-0.00659	-0.20174	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.19051	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	HORSESHOE LAKE 69KV	76	-0.01719	-0.19114	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.19169	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	MCCLAIN 138KV	470	-0.01851	-0.18982	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	MUSTANG 138KV	160	-0.01905	-0.18928	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	REDBUD 345KV	150	-0.01722	-0.19111	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	SEMINOLE 138KV	258.8168	-0.01621	-0.19212	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	SEMINOLE 345KV	610	-0.01652	-0.19181	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	SMITH COGEN 138KV	107	-0.01888	-0.18945	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.1955	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01805	-0.19028	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01805	-0.19028	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.20039	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	WELSH 345KV	1044	-0.00624	-0.20209	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	CHANUTE 69KV	47.15	-0.01112	-0.1992	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	CLAY CENTER JUNCTION 115KV	6.7	-0.00864	-0.20168	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	MIDW	COLBY 115KV	11.48483	-0.01497	-0.19535	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	COMANCHE 138KV	145	-0.01791	-0.19241	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	COMANCHE 69KV	60	-0.01783	-0.19249	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.1925	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	HORSESHOE LAKE 69KV	76	-0.01719	-0.19313	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.19368	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	MCCLAIN 138KV	470	-0.01851	-0.19181	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	MUSTANG 138KV	160	-0.01905	-0.19127	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	REDBUD 345KV	150	-0.01722	-0.19192	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	SEMINOLE 138KV	258.8168	-0.01621	-0.19411	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	SEMINOLE 345KV	610	-0.01652	-0.1938	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	SMITH COGEN 138KV	107	-0.01888	-0.19144	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.19749	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01805	-0.19227	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01805	-0.19227	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.1906	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.19661	15
WERE	HARPER 138KV	133.53	-0.15467	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.36	0.04484	-0.19361	15
WERE	WACO 138KV	30	-0.19716	OKGE	AES 161KV	320	-0.00346	-0.1937	15
WERE	WACO 138KV	30	-0.19716	AEPW	COGENTRIX 345KV	200	-0.00527	-0.19189	15
WERE	WACO 138KV	30	-0.19716	AEPW	EASTMAN 138KV	355	-0.00559	-0.19157	15
WERE	WACO 138KV	30	-0.19716	AEPW	ELLIS 69KV	6	-0.00309	-0.19407	15
WERE	WACO 138KV	30	-0.19716	AEPW	FITZLUUGH 161KV	5.999999	-0.00273	-0.19443	15
WERE	WACO 138KV	30	-0.19716	AEPW	FLINT CREEK 161KV	400	0.00355	-0.19751	15
WERE	WACO 138KV	30	-0.19716	WERE	HOLTON 115KV	6	-0.00659	-0.19057	15
WERE	WACO 138KV	30	-0.19716	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.19186	15
WERE	WACO 138KV	30	-0.19716	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.19216	15
WERE	WACO 138KV	30	-0.19716	AEPW	KNOXLEE 138KV	103	-0.00554	-0.1821	15
WERE	WACO 138KV	30	-0.19716	MIPU	LAKE ROAD 161KV	35	0.00314	-0.2003	15
WERE	WACO 138KV	30	-0.19716	MIPU	LAKE ROAD 34KV	92	0.00314	-0.2003	15
WERE	WACO 138KV	30	-0.19716	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.1948	15
WERE	WACO 138KV	30	-0.19716	AEPW	LEBROCK 345KV	150	-0.00527	-0.19207	15
WERE	WACO 138KV	30	-0.19716	KACP	MARSHALL 161KV	15	0.00446	-0.20162	15
WERE	WACO 138KV	30	-0.19716	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.1927	15
WERE	WACO 138KV	30	-0.19716	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.19221	15
WERE	WACO 138KV	30	-0.19716	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.18449	15
WERE	WACO 138KV	30	-0.19716	AEPW	NORTHEASTERN STATION 345KV	625	-0.01015	-0.18218	15
WERE	WACO 138KV	30	-0.19716	AEPW	DEC 345KV	269	-0.00352	-0.19364	15
WERE	WACO 138KV	30	-0.19716	EMDE	OZARK BEACH 161KV	16	0.00425	-0.20141	15
WERE	WACO 138KV	30	-0.19716	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.1916	15
WERE	WACO 138KV	30	-0.19716	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00782	-0.19267	15
WERE	WACO 138KV	30	-0.19716	AEPW	WELSH 345KV	1044	-0.00624	-0.19052	15
WERE	WACO 138KV	30	-0.19716	AEPW	WILKES 138KV	74.3857	-0.00578	-0.19138	15
WERE	WACO 138KV	30	-0.19716	AEPW	WILKES 345KV	119.1549	-0.00568	-0.19148	15
WERE	CITY OF MULVANE 69KV	10.291	-0.28298	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.00489	-0.18449	15
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGE	CENTENIAL WIND 34KV	16	-0.02591	-0.1886	16
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGE	FPLWIND2 34KV	16	-0.02591	-0.18772	16
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.17912	16
WERE	CITY OF WINFIELD 69KV	40	-0.21363	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.17893	16
WERE	CITY OF WINFIELD 69KV	40	-0.21363	OKGE	SOONER 345KV	537	-0.02956	-0.18407	16
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.05849	EMDE	ELK RIVER 345KV	150	0.00441	-0.1888	16
WERE	GETTY 69KV	35	-0.18764	OKGE	AES 161KV	320	-0.00346	-0.18418	16
WERE	GETTY 69KV	35	-0.18764	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.00864	-0.179	16
WERE	GETTY 69KV	35	-0.18764	AEPW	COGENTRIX 345KV	200	-0.00527	-0.1827	16
WERE	GETTY 69KV	35	-0.18764	AEPW	EASTMAN 138KV	355	-0.00559	-0.18205	16
WERE	GETTY 69KV	35	-0.18764	AEPW	ELLIS 69KV	6	-0.00309	-0.18455	16
WERE	GETTY 69KV	35	-0.18764	AEPW	FITZLUUGH 161KV	5.999999	-0.00273	-0.18491	16
WERE	GETTY 69KV	35	-0.18764	AEPW	FLINT CREEK 161KV	400	0.00355	-0.18799	16
WERE	GETTY 69KV	35	-0.18764	WERE	HOLTON 115KV	6	-0.00659	-0.18106	16
WERE	GETTY 69KV	35	-0.18764	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.18234	16
WERE	GETTY 69KV	35	-0.18764	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.18264	16
WERE	GETTY 69KV	35	-0.18764	AEPW	KNOXLEE 138KV	103	-0.00554	-0.1821	16
WERE	GETTY 69KV	35	-0.18764	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.18529	16
WERE	GETTY 69KV	35	-0.18764	AEPW	LEBROCK 345KV	150	-0.00527	-0.18207	16
WERE	GETTY 69KV	35	-0.18764	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.18318	16
WERE	GETTY 69KV	35	-0.18764	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.18269	16
WERE	GETTY 69KV	35	-0.18764	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.18336	16
WERE	GETTY 69KV	35	-0.18764	AEPW	NORTHEASTERN STATION 345KV	625	-0.01015	-0.18066	16
WERE	GETTY 69KV	35	-0.18764	AEPW	DEC 345KV	269	-0.00352	-0.18412	16
WERE	GETTY 69KV	35	-0.18764	WERE	PIRKEY GENERATION 138KV	213	-0.00556	-0.18208	16
WERE	GETTY 69KV	35	-0.18764	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.1797	16
WERE	GETTY 69KV	35	-0.18764	AEPW	WELSH 345KV	1044	-0.00624	-0.1814	16
WERE	GETTY 69KV	35	-0.18764	AEPW	WILKES 138KV	74.3857	-0.00578	-0.18186	16
WERE	GETTY 69KV	35	-0.18764	AEPW	WILKES 345KV	119.1549	-0.00568	-0.18196	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WEPL	A. M. MULLERGEN GENERATOR 115KV	25	-0.02243	-0.1859	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	CENTENIAL WIND 34KV	16	-0.02563	-0.1827	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	FPLWIND2 34KV	16	-0.02591	-0.18242	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.18414	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGE	SOONER 345KV	537	-0.02956	-0.17877	16
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.18861	16
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WEPL	A. M. MULLERGEN GENERATOR 115KV	25	-0.02243	-0.18789	16
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	CENTENIAL WIND 34KV	16	-0.02563	-0.18469	16
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	FPLWIND2 34KV	16	-0.02591	-0.18441	16
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.18813	16
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGE	SOONER 345KV	537	-0.02956	-0.18076	16
WERE	WACO 138KV	30	-0.19716	WERE	CHANUTE 69KV	47.15	-0.01112	-0.18604	16
WERE	WACO 138KV	30	-0.19716	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.00863	-0.185	16
WERE	WACO 138KV	30	-0.19716	MIDW	COLBY 115KV	11.48483	-0.01497	-0.18219	16
WERE	WACO 138KV</								

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

WERE	GETTY 69KV	35	-0.18764	OKGKE	HORSESHOE LAKE 69KV	16	-0.01719	-0.17045	17
WERE	GETTY 69KV	35	-0.18764	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.171	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	MCLAIN 138KV	470	-0.01851	-0.16913	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	MUSTANG 138KV	160	-0.01905	-0.16859	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	REBUD 345KV	150	-0.01722	-0.17042	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	SEMINOLE 138KV	258.8168	-0.01621	-0.17143	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	SEMINOLE 345KV	610	-0.01652	-0.17112	17
WERE	GETTY 69KV	35	-0.18764	OKGKE	SMITH COGEN 138KV	107	-0.01888	-0.16822	17
WERE	GETTY 69KV	35	-0.18764	WERE	S'MOKY HILLS 34KV	177	-0.01283	-0.17481	17
WERE	GETTY 69KV	35	-0.18764	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01805	-0.16959	17
WERE	GETTY 69KV	35	-0.18764	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01805	-0.16959	17
WERE	GETTY 69KV	35	-0.18764	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.16913	17
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.17382	17
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.17363	17
WERE	GILL ENERGY CENTER 138KV	285	-0.20833	OKGKE	SOONER 138KV	535	-0.0399	-0.16843	17
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.17581	17
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.17562	17
WERE	GILL ENERGY CENTER 69KV	118	-0.21032	OKGKE	SOONER 138KV	535	-0.0399	-0.17042	17
WEPL	HARPER 138KV	13.53	-0.15467	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.1726	17
WERE	WACO 138KV	30	-0.19716	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02243	-0.17473	17
WERE	WACO 138KV	30	-0.19716	OKGKE	CENTENIAL WIND 34KV	16	-0.02563	-0.17153	17
WERE	WACO 138KV	30	-0.19716	OKGKE	FRLWIND2 34KV	16	-0.02591	-0.17125	17
WERE	WACO 138KV	30	-0.19716	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.17497	17
WERE	WACO 138KV	30	-0.19716	OKGKE	SOONER 345KV	537	-0.02956	-0.16774	17
WERE	WACO 138KV	30	-0.19716	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.17744	17
WERE	GETTY 69KV	35	-0.18764	WERE	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02243	-0.16921	18
WERE	GETTY 69KV	35	-0.18764	OKGKE	CENTENIAL WIND 34KV	16	-0.02563	-0.16201	18
WERE	GETTY 69KV	35	-0.18764	OKGKE	FRLWIND2 34KV	16	-0.02591	-0.16173	18
WERE	GETTY 69KV	35	-0.18764	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.16545	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	ASBURY 161KV	91	0.00913	-0.16388	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	HAWTHORN 161KV	455	0.00558	-0.16025	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	LARUSSELL 161KV	100	0.00659	-0.16126	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	MARSHALL 161KV	15	0.00446	-0.15913	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	MONTRUSE 161KV	218.3628	0.0063	-0.16097	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	NEARMAN 20KV	235	0.0264	-0.16051	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	OZARK BEACH 161KV	16	0.00425	-0.15892	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	QUINDARO 161KV	70.3205	0.00586	-0.16053	18
WEPL	HARPER 138KV	13.53	-0.15467	KACP	QUINDARO 69KV	72	0.00587	-0.16054	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	RIVERTON 161KV	35	0.00781	-0.16228	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.16162	18
WEPL	HARPER 138KV	13.53	-0.15467	MIPU	SIBLEY 161KV	230.1012	0.00565	-0.16032	18
WEPL	HARPER 138KV	13.53	-0.15467	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.16027	18
WEPL	HARPER 138KV	13.53	-0.15467	MIPU	SOUTH HARPER 161KV	308.9896	0.00739	-0.16206	18
WEPL	HARPER 138KV	13.53	-0.15467	EMDE	STATE LINE 161KV	285.6502	0.00715	-0.16162	18
WERE	WACO 138KV	30	-0.19716	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.16265	18
WERE	WACO 138KV	30	-0.19716	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.16246	18
WERE	GETTY 69KV	35	-0.18764	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.15313	19
WERE	GETTY 69KV	35	-0.18764	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.15312	19
WERE	GETTY 69KV	35	-0.18764	OKGKE	SOONER 345KV	537	-0.02956	-0.15808	19
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	AES 161KV	320	-0.00346	-0.15121	19
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	FLINT CREEK 161KV	400	0.00305	-0.15502	19
WEPL	HARPER 138KV	13.53	-0.15467	MIPU	LAKE ROAD 161KV	35	0.00314	-0.15781	19
WEPL	HARPER 138KV	13.53	-0.15467	MIPU	LAKE ROAD 34KV	32	0.00314	-0.15781	19
WEPL	HARPER 138KV	13.53	-0.15467	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.15231	19
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.15038	19
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.15569	19
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	OEC 345KV	269	-0.00352	-0.15115	19
WERE	WACO 138KV	30	-0.19716	OKGKE	SOONER 138KV	535	-0.0399	-0.15983	19
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24568	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09849	-0.14719	20
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	CITY OF BURLINGTON 138KV	10023.8	0.04494	-0.14343	20
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.14343	20
WERE	GETTY 69KV	35	-0.18764	OKGKE	SOONER 138KV	535	-0.0399	-0.14724	20
WEPL	HARPER 138KV	13.53	-0.15467	WERE	CHANUTE 69KV	47.15	-0.01112	-0.14355	20
WEPL	HARPER 138KV	13.53	-0.15467	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.00864	-0.14603	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	COGENTRIX 345KV	200	-0.00527	-0.1494	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	EASTMAN 138KV	355	-0.00559	-0.14908	20
WEPL	HARPER 138KV	13.53	-0.15467	WERE	JEFFREY ENERGY CENTER 230KV	170	-0.0054	-0.14908	20
WEPL	HARPER 138KV	13.53	-0.15467	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.14967	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	KNOXLEE 138KV	103	-0.00554	-0.14913	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	LEBRUCK 345KV	315	-0.00557	-0.1491	20
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	MUSKOGEE 161KV	100	-0.00446	-0.14928	20
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	MUSKOGEE 345KV	1548	-0.00495	-0.14972	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.14911	20
WEPL	HARPER 138KV	13.53	-0.15467	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.14673	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	WELSH 345KV	1044	-0.00624	-0.14843	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	WILKES 138KV	74.3897	0.00573	-0.14846	20
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	WILKES 345KV	119.1549	-0.00568	-0.14899	20
WEPL	HARPER 138KV	13.53	-0.15467	MIDW	COLBY 115KV	11.48483	-0.01497	-0.1397	21
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	COMANCHE 138KV	145	-0.01791	-0.13676	21
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	COMANCHE 69KV	160	-0.01782	-0.13676	21
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.13685	21
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	HORSESHOE LAKE 69KV	16	-0.01719	-0.13748	21
WEPL	HARPER 138KV	13.53	-0.15467	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01664	-0.13803	21
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	REBUD 345KV	150	-0.01722	-0.13745	21
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	SEMINOLE 138KV	258.8168	-0.01621	-0.13745	21
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	SEMINOLE 345KV	610	-0.01652	-0.13815	21
WEPL	HARPER 138KV	13.53	-0.15467	WERE	S'MOKY HILLS 34KV	177	-0.01283	-0.14184	21
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01805	-0.13662	21
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01805	-0.13662	21
WEPL	HARPER 138KV	13.53	-0.15467	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02243	-0.13224	22
WEPL	HARPER 138KV	13.53	-0.15467	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02219	-0.13248	22
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	MCLAIN 138KV	470	-0.01851	-0.13616	22
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	MUSTANG 138KV	160	-0.01905	-0.13562	22
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	SMITH COGEN 138KV	107	-0.01888	-0.13578	22
WEPL	HARPER 138KV	13.53	-0.15467	AEPW	WEATHERFORD 34KV	12	-0.01972	-0.13495	22
MIDW	lawnee 115kv	999	-0.0407	EMDE	ELK RIVER 345KV	150	0.09041	-0.13111	22
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	CENTENIAL WIND 34KV	16	-0.02563	-0.12904	23
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	FRLWIND2 34KV	16	-0.02591	-0.12946	23
WEPL	HARPER 138KV	13.53	-0.15467	OKGKE	SOONER 345KV	537	-0.02956	-0.12511	23
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	EMDE	ELK RIVER 345KV	150	0.09041	-0.12511	23
WEPL	HARPER 138KV	13.53	-0.15467	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.03451	-0.12016	24
WEPL	HARPER 138KV	13.53	-0.15467	WEPL	JUDSON LARGE 115KV	68.24352	-0.0347	-0.11997	24
OKGKE	SOUTH 4TH ST 69KV	42.77	-0.03388	EMDE	ELK RIVER 345KV	150	0.09041	-0.12429	24
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	ELK RIVER 345KV	150	0.09041	-0.11534	25
WERE	CITY OF								

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

WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	EMDE	RIVERTON 69KV	44.73872	0.00696	-0.10544	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	MIFPU	SIBLEY 161KV	230.1012	0.00565	-0.10414	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	MIFPU	SIBLEY 69KV	45.99599	0.00565	-0.10409	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	MIFPU	SOUTH HARPER 161KV	308.9866	0.00739	-0.10588	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	EMDE	STATE LINE 161KV	285.6502	0.00715	-0.10564	28
AEPW	KIOWA 345KV	1348	-0.01254	EMDE	ELK RIVER 345KV	150	0.09041	-0.10295	28
MIDW	Yorns 115KV	999	-0.01498	EMDE	ELK RIVER 345KV	150	0.09041	-0.10539	28
WERE	ABLENE ENERGY CENTER 115KV	686	-0.00959	EMDE	ELK RIVER 345KV	150	0.09041	-0.10111	29
WERE	CHANUTE 69KV	33.45	-0.01112	EMDE	ELK RIVER 345KV	150	0.09041	-0.10153	29
WERE	CITY OF ERIE 69KV	24.53	-0.01112	EMDE	ELK RIVER 345KV	150	0.09041	-0.10153	29
WEPL	CLIFTON 115KV	70	-0.00977	EMDE	ELK RIVER 345KV	150	0.09041	-0.10018	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	MIFPU	LAKE ROAD 161KV	35	0.00314	-0.10163	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	MIFPU	LAKE ROAD 34KV	92	0.00314	-0.10163	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.09951	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	EMDE	OZARK BEACH 161KV	16	0.00425	-0.10274	29
WERE	SOUTH SENECA 115KV	12.77	-0.00963	EMDE	ELK RIVER 345KV	150	0.09041	-0.10004	29
AEPW	WELKITA 138KV	162	-0.00947	EMDE	ELK RIVER 345KV	150	0.09041	-0.09988	29
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00864	EMDE	ELK RIVER 345KV	150	0.09041	-0.09905	30
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	EMDE	ELK RIVER 345KV	150	0.09041	-0.09897	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	FLINT CREEK 161KV	400	0.00035	-0.09884	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.02386	-0.09613	30
WERE	HOLTON 115KV	13.8	-0.00659	EMDE	ELK RIVER 345KV	150	0.09041	-0.097	30
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00585	EMDE	ELK RIVER 345KV	150	0.09041	-0.09626	30
AEPW	NARROWS 69KV	30	-0.00679	EMDE	ELK RIVER 345KV	150	0.09041	-0.0972	30
MIDW	McB 115KV	999	-0.00743	EMDE	ELK RIVER 345KV	150	0.09041	-0.09784	30
WERE	TECUMSEH ENERGY CENTER 115KV	223	-0.00794	EMDE	ELK RIVER 345KV	150	0.09041	-0.09833	30
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00761	EMDE	ELK RIVER 345KV	150	0.09041	-0.09802	30
WERE	WACO 138KV	30	-0.19716	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09849	-0.09867	30
WERE	WILKES 138KV	413.8143	-0.00578	EMDE	ELK RIVER 345KV	150	0.09041	-0.09619	31
AEPW	ARSENAL HILL 69KV	110	-0.00505	EMDE	ELK RIVER 345KV	150	0.09041	-0.09546	31
WERE	CITY OF IOLA 69KV	42.878	-0.00508	EMDE	ELK RIVER 345KV	150	0.09041	-0.09549	31
AEPW	COGENTRIX 345KV	694	-0.00527	EMDE	ELK RIVER 345KV	150	0.09041	-0.09568	31
AEPW	EASTMAN 138KV	130.01	-0.00559	EMDE	ELK RIVER 345KV	150	0.09041	-0.096	31
AEPW	ELLIS 69KV	20	-0.00309	EMDE	ELK RIVER 345KV	150	0.09041	-0.0935	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	OKGE	AES 161KV	320	0.00346	-0.09503	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	COGENTRIX 345KV	200	-0.00527	-0.09322	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.09319	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.09349	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.09403	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.09354	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.0942	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	OEC 345KV	289	-0.00352	-0.09477	31
AEPW	FITZHUGH 161KV	150	-0.00273	EMDE	ELK RIVER 345KV	150	0.09041	-0.09314	31
AEPW	FULTON 115KV	153	-0.00455	EMDE	ELK RIVER 345KV	150	0.09041	-0.09546	31
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0053	EMDE	ELK RIVER 345KV	150	0.09041	-0.09571	31
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	EMDE	ELK RIVER 345KV	150	0.09041	-0.09541	31
AEPW	KNOXLEE 138KV	320	-0.00554	EMDE	ELK RIVER 345KV	150	0.09041	-0.09595	31
AEPW	LEBROCK 345KV	380	-0.00557	EMDE	ELK RIVER 345KV	150	0.09041	-0.09589	31
AEPW	LIEBERMAN 138KV	272	-0.00515	EMDE	ELK RIVER 345KV	150	0.09041	-0.09556	31
OKGE	MUSKOGEE 161KV	28	-0.00446	EMDE	ELK RIVER 345KV	150	0.09041	-0.09487	31
OKGE	MUSKOGEE 345KV	17	-0.00495	EMDE	ELK RIVER 345KV	150	0.09041	-0.09536	31
AEPW	NORTHEASTERN STATION 138KV	162	-0.00429	EMDE	ELK RIVER 345KV	150	0.09041	-0.09471	31
AEPW	OEC 345KV	1878.09	-0.00352	EMDE	ELK RIVER 345KV	150	0.09041	-0.09593	31
AEPW	PIRKEY GENERATION 138KV	75	-0.00556	EMDE	ELK RIVER 345KV	150	0.09041	-0.09597	31
AEPW	TULSA POWER STATION 138KV	307	-0.00506	EMDE	ELK RIVER 345KV	150	0.09041	-0.09547	31
AEPW	TULSA POWER STATION 69KV	80	-0.00506	EMDE	ELK RIVER 345KV	150	0.09041	-0.09547	31
AEPW	WILKES 345KV	191.5451	-0.00568	EMDE	ELK RIVER 345KV	150	0.09041	-0.09609	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	EASTMAN 138KV	350	-0.00559	-0.0958	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	KNOXLEE 132KV	103	-0.00554	-0.09295	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	LEBROCK 345KV	315	-0.00557	-0.09292	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.09293	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	TECUMSEH ENERGY CENTER 115KV	40	-0.00794	-0.09503	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	WELSH 345KV	1044	-0.00624	-0.09225	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	WILKES 138KV	74.3857	-0.00578	-0.09271	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	WILKES 345KV	119.1549	-0.00568	-0.09281	32
WERE	LAWRENCE ENERGY CENTER 230KV	36.65149	-0.00236	EMDE	ELK RIVER 345KV	150	0.09041	-0.09417	32
WERE	MID-CONTINENT 138KV	143.111	-0.00171	EMDE	ELK RIVER 345KV	150	0.09041	-0.09512	32
AEPW	TONTTOWN 161KV	346.12	-0.00023	EMDE	ELK RIVER 345KV	150	0.09041	-0.09064	32
AEPW	FLINT CREEK 161KV	28	0.00035	EMDE	ELK RIVER 345KV	150	0.09041	-0.09006	33
AEPW	GETTY 69KV	35	-0.18764	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09849	-0.09515	33
KACP	JATAN 345KV	651	0.00326	EMDE	ELK RIVER 345KV	150	0.09041	-0.09371	33
AEPW	NORTHEASTERN STATION 345KV	19.99997	0.00102	EMDE	ELK RIVER 345KV	150	0.09041	-0.09339	33
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	CHANUTE 69KV	47.15	-0.0112	-0.08737	34
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.08566	34
MIFPU	LAKE ROAD 161KV	91	0.00314	EMDE	ELK RIVER 345KV	150	0.09041	-0.08727	34
KACP	MARSHALL 161KV	39	0.00446	EMDE	ELK RIVER 345KV	150	0.09041	-0.08626	34
MIDW	pannee 115KV	999	-0.0407	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.08564	34
MIDW	pannee 115KV	999	-0.0407	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.08564	34
MIFPU	TWA 161KV	32.1	0.0052	EMDE	ELK RIVER 345KV	150	0.09041	-0.08521	34
MIFPU	JAMES 161KV	589	0.00368	EMDE	ELK RIVER 345KV	150	0.09041	-0.08361	35
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00545	EMDE	ELK RIVER 345KV	150	0.09041	-0.08496	35
MIFPU	GREENWOOD 161KV	255.8	0.00672	EMDE	ELK RIVER 345KV	150	0.09041	-0.08369	35
KACP	HAWTHORN 161KV	455	0.00556	EMDE	ELK RIVER 345KV	150	0.09041	-0.08483	35
KACY	KAWI 69KV	242	0.00589	EMDE	ELK RIVER 345KV	150	0.09041	-0.08452	35
EMDE	LARUSSEL 161KV	196	0.00659	EMDE	ELK RIVER 345KV	150	0.09041	-0.08362	35
KACP	MONTROSE 161KV	162.6372	0.0063	EMDE	ELK RIVER 345KV	150	0.09041	-0.08411	35
KACY	NEARMAN 161KV	80	0.00584	EMDE	ELK RIVER 345KV	150	0.09041	-0.08457	35
MIFPU	NEVADA 69KV	20.3	0.00635	EMDE	ELK RIVER 345KV	150	0.09041	-0.08406	35
KACP	NORTHEAST 138KV	277	0.00563	EMDE	ELK RIVER 345KV	150	0.09041	-0.08478	35
KACP	NORTHEAST 161KV	277	0.00563	EMDE	ELK RIVER 345KV	150	0.09041	-0.08478	35
KACY	QUINDARO 161KV	166.6795	0.00586	EMDE	ELK RIVER 345KV	150	0.09041	-0.08455	35
KACY	QUINDARO 69KV	105	0.00587	EMDE	ELK RIVER 345KV	150	0.09041	-0.08454	35
MIFPU	RALPH GREEN 69KV	73.7	0.00678	EMDE	ELK RIVER 345KV	150	0.09041	-0.08363	35
EMDE	RIVERTON 161KV	250	0.00761	EMDE	ELK RIVER 345KV	150	0.09041	-0.08328	35
EMDE	RIVERTON 69KV	23.26128	0.00695	EMDE	ELK RIVER 345KV	150	0.09041	-0.08346	35
MIFPU	SIBLEY 161KV	19.89877	0.00565	EMDE	ELK RIVER 345KV	150	0.09041	-0.08476	35
EMDE	STATE LINE 161KV	320.3498	0.00715	EMDE	ELK RIVER 345KV	150	0.09041	-0.08326	35
WERE	ASBURY 161KV	20	0.00015	EMDE	ELK RIVER 345KV	150	0.09041	-0.08128	36
KACP	BULL CREEK 161KV	413	0.00847	EMDE	ELK RIVER 345KV	150	0.09041	-0.08194	36
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	COMANCHE 138KV	145	-0.01791	-0.08058	36
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	AEPW	COMANCHE 69KV	60	-0.01783	-0.08066	36
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01782	-0.08067	36
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09849	OKGE	HORSESHOE LAKE 115KV				

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

OKGE	HORSESHOE LAKE 138KV	796.1299	-0.01782	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06276	47
OKGE	HORSESHOE LAKE 138KV	796.1299	-0.01782	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06276	47
MIDW	KNOLL 115KV	75.924	-0.01693	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06187	47
MIDW	KNOLL 115KV	75.924	-0.01693	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06187	47
OKGE	REDBUD 345KV	1050	-0.01722	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06216	47
OKGE	REDBUD 345KV	1050	-0.01722	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06216	47
AEWP	SOUTHWESTERN STATION 138KV	379	-0.01805	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06299	47
AEWP	SOUTHWESTERN STATION 138KV	1017	-0.01805	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06299	47
AEWP	SOUTHWESTERN STATION 138KV	379	-0.01805	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06299	47
AEWP	SOUTHWESTERN STATION 138KV	1017	-0.01805	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06299	47
OKGE	TINKER SG 138KV	62	-0.01782	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06276	47
OKGE	TINKER SG 138KV	62	-0.01782	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06276	47
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01664	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06158	48
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01664	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06158	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01673	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06167	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01673	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06167	48
OKGE	SEMINOLE 138KV	246.1833	-0.01621	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06115	48
OKGE	SEMINOLE 138KV	246.1833	-0.01621	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06115	48
OKGE	SEMINOLE 345KV	419.6	-0.01652	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.06146	48
OKGE	SEMINOLE 345KV	419.6	-0.01652	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.06146	48
MIDW	Yvons 115kv	999	-0.01498	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05992	49
MIDW	Yvons 115kv	999	-0.01498	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05992	49
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.014	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05894	50
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.014	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05894	50
WERE	EVANS ENERGY CENTER 138KV	504.0332	-0.08849	OKGE	SOMMER 138KV	535	-0.0389	-0.05859	50
MIDW	paawee 115kv	999	-0.04007	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.05863	50
AEWP	KIOWA 345KV	1348	-0.01254	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05748	51
AEWP	KIOWA 345KV	1348	-0.01254	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05748	51
WERE	CHANUTE 69KV	33.45	-0.01112	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05606	52
WERE	CHANUTE 69KV	33.45	-0.01112	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05606	52
WERE	CITY OF ERIE 69KV	24.53	-0.01112	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05606	52
WERE	CITY OF ERIE 69KV	24.53	-0.01112	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05606	52
WERE	ABLENE ENERGY CENTER 115KV	66	-0.00959	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05453	54
WERE	ABLENE ENERGY CENTER 115KV	66	-0.00959	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05453	54
WEPL	CLIFTON 115KV	70	-0.00977	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05471	54
WEPL	CLIFTON 115KV	70	-0.00977	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05471	54
AEWP	WEELETKA 138KV	162	-0.00947	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05441	54
AEWP	WEELETKA 138KV	162	-0.00947	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05441	54
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00864	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05358	55
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00864	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05358	55
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.0535	55
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.0535	55
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00794	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05288	55
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00794	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05288	55
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.05263	56
MIDW	paawee 115kv	999	-0.00743	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05237	56
MIDW	paawee 115kv	999	-0.00743	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05237	56
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00761	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05255	56
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00761	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05255	56
AEWP	NARROWS 69KV	30	-0.00679	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05173	57
AEWP	NARROWS 69KV	30	-0.00679	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05173	57
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.05181	57
AEWP	COGENTRIX 345KV	694	-0.00527	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05021	58
AEWP	COGENTRIX 345KV	694	-0.00527	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05021	58
AEWP	EASTMAN 138KV	130.01	-0.00559	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05053	58
AEWP	EASTMAN 138KV	130.01	-0.00559	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05053	58
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0053	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05024	58
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0053	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05024	58
AEWP	KNOXLEE 138KV	320	-0.00554	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05048	58
AEWP	KNOXLEE 138KV	320	-0.00554	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05048	58
AEWP	LEBROCK 345KV	382	-0.00557	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05051	58
AEWP	LEBROCK 345KV	382	-0.00557	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05051	58
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00585	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05079	58
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00585	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05079	58
AEWP	PIRKEY GENERATION 138KV	75	-0.00556	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.0505	58
AEWP	PIRKEY GENERATION 138KV	75	-0.00556	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.0505	58
AEWP	WILKES 138KV	413.6143	-0.00578	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05072	58
AEWP	WILKES 138KV	413.6143	-0.00578	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05072	58
AEWP	WILKES 345KV	191.8451	-0.00568	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05062	58
AEWP	WILKES 345KV	191.8451	-0.00568	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05062	58
AEWP	ARSENAL HILL 69KV	110	-0.00505	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04999	59
AEWP	ARSENAL HILL 69KV	110	-0.00505	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.04999	59
WERE	CITY OF IOLA 69KV	42.878	-0.00508	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05002	59
WERE	CITY OF IOLA 69KV	42.878	-0.00508	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05002	59
AEWP	FULTON 115KV	153	-0.00455	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04949	59
AEWP	FULTON 115KV	153	-0.00455	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.04949	59
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04994	59
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.04994	59
AEWP	LIEBERMAN 138KV	272	-0.00515	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05009	59
AEWP	LIEBERMAN 138KV	272	-0.00515	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05009	59
OKGE	MUSKOGEE 161KV	28	-0.00446	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.0494	59
OKGE	MUSKOGEE 161KV	28	-0.00446	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.0494	59
MIDW	paawee 115kv	999	-0.0407	EMDE	ASBURY 161KV	191	0.00913	-0.04983	59
AEWP	TULSA POWER STATION 138KV	307	-0.00506	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05	59
AEWP	TULSA POWER STATION 138KV	307	-0.00506	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05	59
AEWP	TULSA POWER STATION 69KV	80	-0.00506	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.05	59
AEWP	TULSA POWER STATION 69KV	80	-0.00506	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04494	-0.05	59
AEWP	NORTHEASTERN STATION 138KV	162	-0.00429	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04923	60
AEWP	OEG 345KV	1878.08	-0.00352	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04946	60
AEWP	FITZHUGH 161KV	150	-0.00273	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04767	61
MIDW	paawee 115kv	999	-0.0407	EMDE	RIVERTON 161KV	35	0.00761	-0.04831	61
MIDW	paawee 115kv	999	-0.0407	MIPU	SOUTH HARPER 161KV	308.9866	0.00739	-0.04809	61
MIDW	paawee 115kv	999	-0.0407	EMDE	STATE LINE 161KV	285.6502	0.00715	-0.04785	61
WERE	LAURENCE ENERGY CENTER 230KV	36.65149	-0.00238	EMDE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04743	62
MIDW	paawee 115kv	999	-0.0407	EMDE	LARUSSEL 161KV	100	0.00659	-0.04729	62
MIDW	paawee 115kv	999	-0.0407	KACP	MONTROSE 161KV	218.3628	0.0063	-0.047	62
MIDW	paawee 115kv	999	-0.0407	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.04765	62
AEWP	MID-CONTINENT 138KV	142.11	-0.00171	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04494	-0.04665	63
MIDW	paawee 115kv	999	-0.0407	KACP	HAWTHORN 161KV	455	0.0058	-0.04629	63
MIDW	paawee 115kv	999	-0.0407	KACY	NEARMAN 20KV	2			

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

OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	KACP	HAWTHORN 161KV	455	0.00558	-0.03946	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	KACY	NEARMAN 20KV	235	0.00584	-0.03972	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	KACY	QUINDARO 161KV	70.3205	0.00586	-0.03974	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	KACY	QUINDARO 69KV	72	0.00587	-0.03975	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	MIPU	SIBLEY 161KV	230.1012	0.00565	-0.03953	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.03948	74
MIPU	TWA 161KV	32.1	0.00552	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03974	74
KACY	KAW 69KV	242	0.00589	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03905	75
KACY	NEARMAN 161KV	80	0.00584	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.0391	75
KACP	NORTHEAST 13KV	277	0.00563	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03931	75
KACP	NORTHEAST 161KV	277	0.00563	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03931	75
KACY	QUINDARO 161KV	166.8796	0.00586	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03908	75
KACY	QUINDARO 69KV	105	0.00587	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03907	75
OKGE	SPGCK1&2 13.200 345KV	168	-0.02136	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03920	75
OKGE	SPGCK3&4 13.200 345KV	168	-0.02136	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03929	75
EMDE	LARUSSEL 161KV	196	0.00659	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03835	76
KACP	MONTROSE 161KV	162.8372	-0.00693	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03864	76
MIPU	pwannee 115kv	999	-0.0407	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.03834	76
MIPU	ARIES 161KV	595	0.00668	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03814	77
MIPU	GREENWOOD 161KV	255.8	0.00672	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03822	77
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	MIPU	LAKE ROAD 161KV	35	0.00314	-0.03784	77
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	MIPU	LAKE ROAD 34KV	92	0.00314	-0.03784	77
MIPU	RALPH GREEN 69KV	73.7	0.00678	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03816	77
EMDE	STATE LINE 161KV	320.3498	0.00715	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03779	78
OKGE	MUSTANG 138KV	205.5	-0.01905	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03698	79
OKGE	MUSTANG 69KV	106	-0.01913	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03698	79
MIDW	pwannee 115kv	999	-0.0407	OKGE	AES 161KV	320	-0.00346	-0.03724	79
MIDW	pwannee 115kv	999	-0.0407	AEPW	OEC 345KV	269	-0.00352	-0.03718	79
EMDE	RIVERTON 161KV	250	0.00761	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03733	79
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	MIPU	LAKE ROAD 161KV	35	0.00314	-0.03702	79
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	MIPU	LAKE ROAD 34KV	92	0.00314	-0.03702	79
KACP	BULL CREEK 161KV	413	0.00847	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03647	80
OKGE	MCCLEIN 138KV	50	-0.01851	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03644	80
KACP	PAOLA COMBUSTION TURBINES 161KV	777	0.00838	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04484	-0.03656	80
MIDW	pwannee 115kv	999	-0.0407	OKGE	MUSKOGEE 161KV	138	0.00446	-0.03642	81
MIDW	pwannee 115kv	999	-0.0407	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.03641	81
AEPW	SOUTHWESTERN STATION 138KV	379	-0.01805	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03598	81
AEPW	SOUTHWESTERN STATION 138KV	1017	-0.01805	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03598	81
OKGE	HORSESHOE LAKE 138KV	786.1289	-0.01762	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03576	82
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.03572	82
MIDW	pwannee 115kv	999	-0.0407	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.0357	82
MIDW	pwannee 115kv	999	-0.0407	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.03575	82
OKGE	TINKER 5G 138KV	62	-0.01782	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03575	82
MIDW	pwannee 115kv	999	-0.0407	AEPW	COGENTRIX 348KV	290	-0.0052	-0.03543	83
MIDW	pwannee 115kv	999	-0.0407	AEPW	EASTMAN 138KV	355	-0.00559	-0.03511	83
MIDW	pwannee 115kv	999	-0.0407	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.0354	83
MIDW	pwannee 115kv	999	-0.0407	AEPW	KNOXLEE 138KV	103	-0.00554	-0.03516	83
MIDW	pwannee 115kv	999	-0.0407	AEPW	KNOXLEE 345KV	115	-0.00557	-0.03517	83
MIDW	pwannee 115kv	999	-0.0407	AEPW	PIRKEY GENERATOR 138KV	213	-0.00556	-0.03514	83
OKGE	REBUD 345KV	1050	-0.01722	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03515	83
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	AEPW	FLINT CREEK 161KV	400	0.00305	-0.03505	84
MIDW	KNOLL 115KV	75.924	-0.01693	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03486	84
MIDW	pwannee 115kv	999	-0.0407	AEPW	WILKES 138KV	74.3857	-0.00578	-0.03492	84
MIDW	pwannee 115kv	999	-0.0407	AEPW	WILKES 345KV	119.1549	-0.00568	-0.03502	84
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.0349	84
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01664	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03457	85
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01673	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03466	85
MIDW	pwannee 115kv	999	-0.0407	AEPW	WELSH 345KV	1044	-0.00624	-0.03446	85
OKGE	SEMINOLE 345KV	419.6	-0.01652	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03445	85
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	ASBURY 161KV	191	0.00913	-0.03406	86
OKGE	SEMINOLE 138KV	246.1833	-0.01621	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03414	86
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	AEPW	FLINT CREEK 161KV	400	0.00305	-0.03423	86
MIDW	Yons 115kv	999	-0.01498	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03291	89
MIDW	pwannee 115kv	999	-0.0407	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.03276	89
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	RIVERTON 161KV	35	0.00761	-0.03254	90
OKGE	CIMARRON RIVER 115KV	72	-0.02493	MIPU	SOUTH HARPER 161KV	308.9666	0.00739	-0.03232	91
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	STATE LINE 161KV	285.6502	0.00715	-0.03208	91
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.03234	91
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.014	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03193	92
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	RIVERTON 69KV	447.3872	0.00695	-0.03188	92
WEPL	A. M. MILLER GREEN GENERATOR 115KV	38	-0.02243	EMDE	ASBURY 161KV	191	0.00913	-0.03167	93
WEPL	CIMARRON RIVER 115KV	72	-0.02493	EMDE	LARUSSEL 161KV	100	0.00659	-0.03152	93
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.03152	93
WEPL	CIMARRON RIVER 115KV	72	-0.02493	KACP	MONTROSE 161KV	218.3628	0.0063	-0.03123	94
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	OKGE	AES 161KV	320	-0.00346	-0.03124	94
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	AEPW	OEC 345KV	269	-0.00352	-0.03118	94
WEPL	CIMARRON RIVER 115KV	72	-0.02493	KACY	NEARMAN 20KV	235	0.00584	-0.03077	95
WEPL	CIMARRON RIVER 115KV	72	-0.02493	KACY	QUINDARO 161KV	70.3205	0.00586	-0.03079	95
WEPL	CIMARRON RIVER 115KV	72	-0.02493	KACY	QUINDARO 69KV	72	0.00587	-0.0308	95
WEPL	CIMARRON RIVER 115KV	72	-0.02493	KACP	HAWTHORN 161KV	455	0.00558	-0.03051	96
WEPL	CIMARRON RIVER 115KV	72	-0.02493	MIPU	SIBLEY 161KV	230.1012	0.00565	-0.03058	96
WEPL	CIMARRON RIVER 115KV	72	-0.02493	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.03053	96
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.03041	96
AEPW	KIOWA 345KV	1348	-0.01254	KACP	LACYGNE UNIT 345KV	958	0.01793	-0.03047	96
WEPL	SOUTH 4TH ST 69KV	42.7	-0.03388	OKGE	AES 161KV	320	-0.00346	-0.03042	96
OKGE	SPGCK1&2 13.200 345KV	168	-0.02136	EMDE	ASBURY 161KV	191	0.00913	-0.03049	96
OKGE	SPGCK3&4 13.200 345KV	168	-0.02136	EMDE	ASBURY 161KV	191	0.00913	-0.03049	96
WEPL	JUDSON LARGE 115KV	34.75648	-0.0347	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.03024	97
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03388	AEPW	OEC 345KV	269	-0.00352	-0.03038	97
WEPL	A. M. MILLER GREEN GENERATOR 115KV	38	-0.02243	EMDE	RIVERTON 161KV	35	0.00761	-0.03004	98

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

Upgrade: ROSE HILL (ROSELHX1) 345/138/13.8KV TRANSFORMER CKT 3 Displacement
 Limiting Facility: ROSE HILL (ROSELHX1) 345/138/13.8KV TRANSFORMER CKT 1
 Direction: From-To
 Line Outage: ROSE HILL (ROSELHX1) 345/138/13.8KV TRANSFORMER CKT 1
 Flowgate: 2007AG1AFS413103208FA
 Date Redispatch Needed: Starting 2008 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1197077		2.5							
1222937		0.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	ELK RIVER 345KV	150	0.09037	-0.33593	8
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	EMDE	ELK RIVER 345KV	150	0.09037	-0.37322	8
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04482	-0.32777	9
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04482	-0.32777	9
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.30077	9
WERE	CITY OF WINFIELD 69KV	40	-0.21353	EMDE	ELK RIVER 345KV	150	0.09037	-0.3039	9
WERE	GILL ENERGY CENTER 69KV	118	-0.21023	EMDE	ELK RIVER 345KV	150	0.09037	-0.30268	9
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	CITY OF B				

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

WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACAP	MARSHALL 161KV	15	0.00446	-0.28731	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACAP	MONTROSE 161KV	218.3628	0.00629	-0.28914	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.27839	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.2779	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACY	NEARMAN 20KV	235	0.00584	-0.28869	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.27856	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.28387	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	OEC 345KV	269	-0.00359	-0.27103	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	EMDE	OZARK BEACH 161KV	16	0.00425	-0.2871	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.27729	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACY	QUINDARO 161KV	70.3205	0.00585	-0.2887	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACY	QUINDARO 69KV	72	0.00587	-0.2887	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	EMDE	RIVERTON 69KV	35	0.00761	-0.29046	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.2898	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.28849	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.28845	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	MIPU	SOUTH HARPER 161KV	308.98966	0.00739	-0.29024	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	SOUTH SENECA 115KV	4	-0.00962	-0.27323	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	EMDE	STATE LINE 161KV	285.6502	0.00714	-0.28999	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.27491	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	WELSH 345KV	1044	-0.00624	-0.27661	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	WILKES 138KV	74.3857	-0.00577	-0.27979	10
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	WILKES 345KV	119.1549	-0.00568	-0.27717	10
WERE	GETTY 69KV	35	-0.18755	EMDE	ELK RIVER 345KV	150	0.09037	-0.2792	10
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	EMDE	ELK RIVER 345KV	150	0.09037	-0.2896	10
WERE	WACO 138KV	30	-0.19706	WERE	ELK RIVER 345KV	150	0.09037	-0.28743	10
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	ASBURY 161KV	191	0.00913	-0.25469	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACAP	HAWTHORN 161KV	455	0.00557	-0.25113	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACAP	LACYGNE UNIT 345KV	958	0.01792	-0.26348	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	LAKE ROAD 161KV	35	0.00313	-0.24869	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	MIPU	LAKE ROAD 34KV	92	0.00313	-0.24869	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	LARUSSEL 161KV	100	0.00659	-0.25215	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACAP	MARSHALL 161KV	15	0.00446	-0.25002	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACAP	MONTROSE 161KV	218.3628	0.00629	-0.25185	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACY	NEARMAN 20KV	235	0.00584	-0.2514	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	OZARK BEACH 161KV	16	0.00425	-0.24981	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACY	QUINDARO 161KV	70.3205	0.00585	-0.25143	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	KACY	QUINDARO 69KV	72	0.00587	-0.25143	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	RIVERTON 161KV	35	0.00761	-0.25317	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.25251	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.25212	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.25116	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	MIPU	SOUTH HARPER 161KV	308.98966	0.00739	-0.25295	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	STATE LINE 161KV	285.6502	0.00714	-0.25267	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.26043	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	CENTENAL WIND 34KV	16	-0.02562	-0.25723	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	MIDW	COLBY 115KV	11.48483	-0.01497	-0.26788	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	COMANCHE 138KV	145	-0.0178	-0.26496	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	COMANCHE 69KV	60	-0.01782	-0.26503	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	FPLWIND2 34KV	16	-0.0259	-0.25695	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0345	-0.24835	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACAP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.26067	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.01781	-0.26204	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.26566	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.26822	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WEPL	JUDSON LARGE 115KV	68.24352	-0.03468	-0.24817	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	MCCLAIN 138KV	470	-0.0185	-0.26436	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	MUSTANG 138KV	160	-0.01904	-0.25553	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	REDBUD 345KV	150	-0.01722	-0.26563	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	SEMINOLE 138KV	258.8168	-0.01621	-0.26664	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	SEMINOLE 345KV	610	-0.01651	-0.26634	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	SMITH COGEN 138KV	107	-0.01887	-0.26289	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.27002	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	SOONER 34KV	537	-0.02954	-0.25331	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.26481	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	AEPW	SOUTHWESTERN STATION 345KV	160	-0.01804	-0.26481	11
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	KACAP	WEATHERFORD 34KV	12	-0.01971	-0.25514	11
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.25845	11
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.25845	11
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.25315	11
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.25315	11
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.25514	11
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	AES 161KV	320	-0.00346	-0.2421	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	CHANUTE 69KV	47.15	-0.01111	-0.23445	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	CLAY CENTER JUNCTION 115KV	87	-0.08683	-0.23693	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	COGENTRIX 345KV	200	-0.00526	-0.2403	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	MIDW	COLBY 115KV	11.48483	-0.01497	-0.23059	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	EASTMAN 138KV	355	-0.00558	-0.23998	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	ELLIS 69KV	150	-0.0038	-0.24246	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	FITZHUGH 161KV	5.99999	-0.00273	-0.24283	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	FLINT CREEK 161KV	400	0.00035	-0.24591	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	EMDE	HOLTON 115KV	6	-0.00658	-0.23998	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.22857	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.22983	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.24026	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.24056	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	KNOXLEE 138KV	103	-0.00554	-0.24002	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.24343	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	LEBROCK 345KV	315	-0.00557	-0.23999	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.2411	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.24061	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.24127	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.23658	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	OEC 345KV	269	-0.00352	-0.24204	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.24	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	REDBUD 345KV	150	-0.01722	-0.22834	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	SEMINOLE 138KV	258.8168	-0.01621	-0.22766	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	OKGE	SEMINOLE 345KV	610	-0.01651	-0.22905	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.23273	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	SOUTH SENECA 115KV	4	-0.00962	-0.23594	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.23762	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	WELSH 345KV	1044	-0.00624	-0.23392	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	WILKES 138KV	74.3857	-0.00577	-0.23979	12
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.24556	AEPW	WILKES 345KV	119.1549	-0.00568	-0.23988	12
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	OKGE	SOONER 138KV	535	-0.03988	-0.24297	12
WERE	CITY OF WINFIELD 69KV	40	-0.21353	KACAP	LACYGNE UNIT 345KV	958	0.01792	-0.23145	12
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.23247	12
WERE	GETTY 69KV	35	-0.18755	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.23247	12
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	KACAP	LACYGNE UNIT 345KV	958	0.01792	-0.22814	12
WERE	HARPER 138KV	13.53	-0.1546	EMDE	ELK RIVER 345KV	150	0.09037	-0.24497	12
WERE	WACO 138KV	30	-0.19706	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.24198	12
WERE	WACO 138KV	30	-0.19706	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.24198	12
WERE	CITY OF AUGUSTA								

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

WERE	CITY OF WINFIELD 69KV		40	-0.21353	EMDE	OZARK BEACH 161KV		16	0.00425	-0.21778	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	KACY	QUINDARO 161KV		70.3205	0.00585	-0.21938	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	KACY	QUINDARO 69KV		72	0.00587	-0.2194	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	EMDE	RIVERTON 161KV		35	0.00761	-0.22114	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	EMDE	RIVERTON 69KV		44.73872	0.00695	-0.22048	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	MIPU	SIBLEY 161KV		230.1012	0.00564	-0.21917	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	MIPU	SIBLEY 69KV		45.99999	0.0056	-0.21913	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	MIPU	SOUTH HARPER 161KV		308.9866	0.00739	-0.22093	13
WERE	CITY OF WINFIELD 69KV		40	-0.21353	EMDE	STATE LINE 161KV		285.6502	0.00714	-0.22067	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	ASBURY 161KV		191	0.00913	-0.21736	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACP	HAWTHORN 161KV		455	0.00557	-0.21338	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACP	LACYGNE UNIT 345KV		958	0.01792	-0.22815	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	MIPU	LAKE ROAD 161KV		35	0.00313	-0.21136	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	MIPU	LAKE ROAD 34KV		92	0.00313	-0.21136	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	LARUSSEL 161KV		100	0.00659	-0.21482	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACP	MARSHALL 161KV		15	0.00446	-0.21269	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACP	MONTRUSE 161KV		218.3628	0.00629	-0.21452	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACY	NEARMAN 20KV		235	0.00584	-0.21407	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	OZARK BEACH 161KV		16	0.00425	-0.21248	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACY	QUINDARO 161KV		70.3205	0.00585	-0.21408	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	KACY	QUINDARO 69KV		72	0.00587	-0.2141	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	RIVERTON 161KV		35	0.00761	-0.21584	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	RIVERTON 69KV		44.73872	0.00695	-0.21518	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	MIPU	SIBLEY 161KV		230.1012	0.00564	-0.21387	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	MIPU	SIBLEY 69KV		45.99999	0.0056	-0.21383	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	MIPU	SOUTH HARPER 161KV		308.9866	0.00739	-0.21565	13
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	EMDE	STATE LINE 161KV		285.6502	0.00714	-0.21537	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	ASBURY 161KV		191	0.00913	-0.21935	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACP	HAWTHORN 161KV		455	0.00557	-0.21579	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACY	LAKE ROAD 161KV		35	0.00313	-0.21335	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	MIPU	LAKE ROAD 34KV		92	0.00313	-0.21335	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	LARUSSEL 161KV		100	0.00659	-0.21681	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACP	MARSHALL 161KV		15	0.00446	-0.21468	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACP	MONTRUSE 161KV		218.3628	0.00629	-0.21651	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACY	NEARMAN 20KV		235	0.00584	-0.21603	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	AEPW	NORTHEASTERN STATION 345KV		625	0.00102	-0.21124	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	OZARK BEACH 161KV		16	0.00425	-0.21447	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACY	QUINDARO 161KV		70.3205	0.00585	-0.21607	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	KACY	QUINDARO 69KV		72	0.00587	-0.21609	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	RIVERTON 161KV		35	0.00761	-0.21783	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	RIVERTON 69KV		44.73872	0.00695	-0.21717	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	MIPU	SIBLEY 161KV		230.1012	0.00564	-0.21586	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	MIPU	SIBLEY 69KV		45.99999	0.0056	-0.21582	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	MIPU	SOUTH HARPER 161KV		308.9866	0.00739	-0.21476	13
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	EMDE	STATE LINE 161KV		285.6502	0.00714	-0.21736	13
WERE	WACO 138KV		30	-0.19706	KACP	LACYGNE UNIT 345KV		958	0.01792	-0.21498	13
WERE	CITY OF AUGUSTA 69KV		21.18999	-0.24556	WEPF	GRAY COUNTY WIND FARM 115KV		70	-0.0345	-0.21106	14
WERE	CITY OF AUGUSTA 69KV		21.18999	-0.24556	WEPF	HUDSON LAKE 115KV		68.2423	-0.0348	-0.21088	14
WERE	CITY OF AUGUSTA 69KV		21.18999	-0.24556	OKGE	SOONER 138KV		535	-0.0398	-0.20568	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	OKGE	AES 161KV		320	-0.00346	-0.21007	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	CHANUTE 69KV		47.15	-0.01111	-0.20242	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	CLAY CENTER JUNCTION 115KV		6.7	-0.00863	-0.20249	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	COGENTRIX 345KV		200	-0.00526	-0.20291	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	MIDW	COLBY 115KV		11.48843	-0.01497	-0.19856	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	EASTMAN 138KV		365	-0.00558	-0.20795	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	ELLIS 69KV		6	-0.00308	-0.21045	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	FITZHUGH 161KV		5.999999	-0.00273	-0.2108	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	HOLTON 115KV		400	0.00305	-0.21065	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	HUTCHINSON ENERGY CENTER 115KV		205	-0.01663	-0.1969	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	JEFFREY ENERGY CENTER 230KV		470	-0.0053	-0.20823	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	JEFFREY ENERGY CENTER 345KV		940	-0.005	-0.20853	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	KNOXLEE 138KV		103	-0.0054	-0.20795	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	LEBROCK 345KV		315	-0.00557	-0.20796	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	OKGE	MUSKOGEE 161KV		138	-0.00446	-0.20907	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	OKGE	MUSKOGEE 345KV		1548	-0.00495	-0.20858	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	NORTHEASTERN STATION 138KV		346	-0.00429	-0.20584	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	KACP	OEC 345KV		289	-0.00352	-0.21001	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	PIRKEY GENERATION 138KV		213	-0.00556	-0.20797	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	OKGE	SEMINOLE 138KV		258.8168	-0.01621	-0.19732	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	OKGE	SEMINOLE 345KV		610	-0.01651	-0.19702	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	SNOKEY HILLS 34KV		117	-0.0128	-0.20207	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	WERE	TECUMSEH ENERGY CENTER 115KV		138	-0.00794	-0.20563	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	WELSH 345KV		1044	-0.00624	-0.20729	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	WILKES 138KV		74.3857	-0.00577	-0.20776	14
WERE	CITY OF WINFIELD 69KV		40	-0.21353	AEPW	WILKES 345KV		119.1549	-0.00568	-0.20785	14
WERE	GETTY 69KV		35	-0.18755	OKGE	ASBURY 161KV		191	0.00913	-0.19565	14
WERE	GETTY 69KV		35	-0.18755	KACP	LACYGNE UNIT 345KV		958	0.01792	-0.20547	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	OKGE	AES 161KV		320	-0.00346	-0.20477	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	CHANUTE 69KV		47.15	-0.01111	-0.19712	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	CLAY CENTER JUNCTION 115KV		6.7	-0.00863	-0.1995	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	COGENTRIX 345KV		200	-0.00526	-0.20291	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	EASTMAN 138KV		365	-0.00558	-0.20265	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	ELLIS 69KV		6	-0.00308	-0.20515	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	FITZHUGH 161KV		5.999999	-0.00273	-0.20574	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	FLINT CREEK 161KV		400	0.00305	-0.20588	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	HOLTON 115KV		400	-0.00658	-0.20165	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	JEFFREY ENERGY CENTER 230KV		470	-0.0053	-0.20293	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	JEFFREY ENERGY CENTER 345KV		940	-0.005	-0.20323	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	KNOXLEE 138KV		103	-0.0054	-0.20369	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	LAWRENCE ENERGY CENTER 115KV		232.3485	-0.00236	-0.20587	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	LEBROCK 345KV		315	-0.00557	-0.20266	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	OKGE	MUSKOGEE 161KV		138	-0.00446	-0.20377	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	OKGE	MUSKOGEE 345KV		1548	-0.00495	-0.20328	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	NORTHEASTERN STATION 138KV		346	-0.00429	-0.20584	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	NORTHEASTERN STATION 345KV		625	0.00102	-0.20925	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	OEC 345KV		289	-0.00352	-0.20471	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	PIRKEY GENERATION 138KV		213	-0.00556	-0.20466	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	SNOKEY HILLS 34KV		117	-0.0128	-0.19739	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	WERE	TECUMSEH ENERGY CENTER 115KV		138	-0.00794	-0.20228	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	WELSH 345KV		1044	-0.00624	-0.20199	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	WILKES 138KV		74.3857	-0.00577	-0.20246	14
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	AEPW	WILKES 345KV		119.1549	-0.00568	-0.20255	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	OKGE	AES 161KV		320	-0.00346	-0.20676	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	WERE	CHANUTE 69KV		47.15	-0.01111	-0.19911	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	WERE	CLAY CENTER JUNCTION 115KV		6.7	-0.00863	-0.20159	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	AEPW	COGENTRIX 345KV		200	-0.00526	-0.20496	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	AEPW	EASTMAN 138KV		365	-0.00558	-0.20464	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	AEPW	ELLIS 69KV		6	-0.00308	-0.20774	14
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	AEPW	FITZHUGH 161KV		5.999999	-0.00273	-0.20749	14
WERE	GILL ENERGY CENTER 69KV</										

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

WERE	WACO 138KV	30	-0.19706	KACY	QUINDARO 161KV	70.3025	0.00585	-0.20291	14
WERE	WACO 138KV	30	-0.19706	KACY	QUINDARO 69KV	72	0.00587	-0.20293	14
WERE	WACO 138KV	30	-0.19706	EMDE	RIVERTON 161KV	35	0.0761	-0.20467	14
WERE	WACO 138KV	30	-0.19706	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.20401	14
WERE	WACO 138KV	30	-0.19706	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.2027	14
WERE	WACO 138KV	30	-0.19706	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.20266	14
WERE	WACO 138KV	30	-0.19706	MIPU	SOUTH HARPER 161KV	308.9686	0.00739	-0.20445	14
WERE	WACO 138KV	30	-0.19706	MIPU	STATE LINE 161KV	285.6502	0.00714	-0.19469	14
WERE	CITY OF MULVANE 69KV	10.291	-0.28285	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09845	-0.1844	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.19111	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	CENTENIAL WIND 34KV	16	-0.02562	-0.18791	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	AEPWP	COMANCHE 138KV	145	-0.0179	-0.19563	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	AEPWP	COMANCHE 69KV	60	-0.01752	-0.19571	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	FPLWIND2 34KV	16	-0.0259	-0.18763	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.19135	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	HORSESHOE LAKE 138KV	63.87012	-0.01781	-0.19572	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.19241	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	MCCLAIN 138KV	470	-0.0185	-0.19503	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	MUSTANG 138KV	160	-0.01904	-0.19449	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	REDBUD 34KV	150	-0.01722	-0.19631	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	REDBUD 161KV	107	-0.01887	-0.19466	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	SOONER 34KV	537	-0.02954	-0.18399	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	AEPWP	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.19549	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	AEPWP	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.19549	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	AEPWP	WEATHERFORD 34KV	12	-0.01971	-0.19382	15
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.08845	EMDE	ELK RIVER 34KV	150	0.00326	-0.18519	15
WERE	GETTY 69KV	35	-0.18755	OKJGE	AES 161KV	320	-0.00346	-0.18409	15
WERE	GETTY 69KV	35	-0.18755	AEPWP	ELLIS 69KV	6	-0.00308	-0.18447	15
WERE	GETTY 69KV	35	-0.18755	AEPWP	FITZHUGH 161KV	5.999999	-0.00273	-0.18482	15
WERE	GETTY 69KV	35	-0.18755	AEPWP	FLINT CREEK 161KV	403	0.00335	-0.1979	15
WERE	GETTY 69KV	35	-0.18755	KACP	HAWTHORN 161KV	455	0.00557	-0.19312	15
WERE	GETTY 69KV	35	-0.18755	MIPU	LAKE ROAD 161KV	35	0.00313	-0.19068	15
WERE	GETTY 69KV	35	-0.18755	MIPU	LAKE ROAD 34KV	92	0.00313	-0.19068	15
WERE	GETTY 69KV	35	-0.18755	EMDE	LARUSSEL 161KV	100	0.00659	-0.19414	15
WERE	GETTY 69KV	35	-0.18755	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.0173	-0.19241	15
WERE	GETTY 69KV	35	-0.18755	KACP	MARSHALL 161KV	15	0.00446	-0.19201	15
WERE	GETTY 69KV	35	-0.18755	KACP	MONTROSE 161KV	218.3628	0.00629	-0.19384	15
WERE	GETTY 69KV	35	-0.18755	KACY	NEARMAN 20KV	235	0.00584	-0.19339	15
WERE	GETTY 69KV	35	-0.18755	AEPWP	NORTHEASTERN STATION 34KV	625	0.0102	-0.18857	15
WERE	GETTY 69KV	35	-0.18755	AEPWP	OEC 34KV	269	-0.00352	-0.18403	15
WERE	GETTY 69KV	35	-0.18755	EMDE	OZARK BEACH 161KV	16	0.00425	-0.1918	15
WERE	GETTY 69KV	35	-0.18755	KACY	QUINDARO 161KV	70.3025	0.00585	-0.1934	15
WERE	GETTY 69KV	35	-0.18755	KACY	QUINDARO 69KV	72	0.00587	-0.19342	15
WERE	GETTY 69KV	35	-0.18755	EMDE	RIVERTON 161KV	35	0.0761	-0.1916	15
WERE	GETTY 69KV	35	-0.18755	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.1945	15
WERE	GETTY 69KV	35	-0.18755	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.19319	15
WERE	GETTY 69KV	35	-0.18755	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.19315	15
WERE	GETTY 69KV	35	-0.18755	MIPU	SOUTH HARPER 161KV	308.9686	0.00739	-0.19445	15
WERE	GETTY 69KV	35	-0.18755	EMDE	STATE LINE 161KV	285.6502	0.00714	-0.19469	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.18581	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	MIDW	COLBY 115KV	11.48483	-0.01497	-0.19326	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	AEPWP	COMANCHE 138KV	145	-0.0179	-0.19033	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	AEPWP	COMANCHE 69KV	60	-0.01752	-0.19041	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.18605	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	HORSESHOE LAKE 138KV	63.87012	-0.01781	-0.19042	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.19104	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.1916	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	MCCLAIN 138KV	470	-0.0185	-0.19503	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	MUSTANG 138KV	160	-0.01904	-0.18919	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	REDBUD 34KV	150	-0.01722	-0.19101	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	SEMINOLE 138KV	258.8168	-0.01621	-0.19202	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	SEMINOLE 34KV	610	-0.01651	-0.19172	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	OKJGE	SMITH COGEN 138KV	107	-0.01887	-0.18936	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.1954	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	AEPWP	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.19019	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	AEPWP	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.19019	15
WERE	GILL ENERGY CENTER 138KV	285	-0.20823	AEPWP	WEATHERFORD 34KV	12	-0.01971	-0.19382	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.1878	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	CENTENIAL WIND 34KV	16	-0.02562	-0.1846	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	MIDW	COLBY 115KV	11.48483	-0.01497	-0.19525	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	AEPWP	COMANCHE 138KV	145	-0.0179	-0.19033	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	AEPWP	COMANCHE 69KV	60	-0.01752	-0.1924	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	FPLWIND2 34KV	16	-0.0259	-0.18434	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.18804	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	HORSESHOE LAKE 138KV	63.87012	-0.01781	-0.19241	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.19203	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.19359	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	MCCLAIN 138KV	470	-0.0185	-0.19172	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	MUSTANG 138KV	160	-0.01904	-0.19118	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	REDBUD 34KV	150	-0.01722	-0.19101	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	SEMINOLE 138KV	258.8168	-0.01621	-0.19401	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	SEMINOLE 34KV	610	-0.01651	-0.19371	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	OKJGE	SMITH COGEN 138KV	107	-0.01887	-0.19135	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	AEPWP	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.19218	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	AEPWP	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.19218	15
WERE	GILL ENERGY CENTER 69KV	118	-0.21022	AEPWP	WEATHERFORD 34KV	12	-0.01971	-0.19051	15
WERE	WACO 138KV	30	-0.19706	OKJGE	AES 161KV	320	-0.00346	-0.1936	15
WERE	WACO 138KV	30	-0.19706	WERE	CHANUTE 69KV	47.15	-0.01111	-0.18595	15
WERE	WACO 138KV	30	-0.19706	WERE	CLAY CENTER JUNCTION 115KV	17	-0.00863	-0.18843	15
WERE	WACO 138KV	30	-0.19706	AEPWP	COGENTRIX 34KV	200	-0.00526	-0.1918	15
WERE	WACO 138KV	30	-0.19706	AEPWP	EASTMAN 138KV	355	-0.00558	-0.19148	15
WERE	WACO 138KV	30	-0.19706	AEPWP	ELLIS 69KV	6	-0.00308	-0.19398	15
WERE	WACO 138KV	30	-0.19706	AEPWP	FITZHUGH 161KV	5.999999	-0.00273	-0.19433	15
WERE	WACO 138KV	30	-0.19706	WERE	HOLTON 115KV	6	-0.0056	-0.19248	15
WERE	WACO 138KV	30	-0.19706	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.19176	15
WERE	WACO 138KV	30	-0.19706	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.19206	15
WERE	WACO 138KV	30	-0.19706	AEPWP	KNOXLEE 138KV	103	-0.00554	-0.19152	15
WERE	WACO 138KV	30	-0.19706	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00739	-0.19447	15
WERE	WACO 138KV	30	-0.19706	AEPWP	LEBROCK 34KV	315	-0.00557	-0.19149	15
WERE	WACO 138KV	30	-0.19706	OKJGE	MUSKOGEE 161KV	138	-0.00446	-0.1926	15
WERE	WACO 138KV	30	-0.19706	OKJGE	MUSKOGEE 34KV	1548	-0.00495	-0.19211	15
WERE	WACO 138KV	30	-0.19706	AEPWP	NORTHEASTERN STATION 138KV	346	-0.00429	-0.19277	15
WERE	WACO 138KV	30	-0.19706	AEPWP	OEC 34KV	269	-0.00352	-0.19254	15
WERE	WACO 138KV	30	-0.19706	AEPWP	PIRKEY GENERATION 138KV	213	-0.00556	-0.1915	15
WERE	WACO 138KV	30	-0.19706	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.18423	15
WERE	WACO 138KV	30	-0.19706	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.18912	15
WERE	WACO 138KV	30	-0.19706	AEPWP	WELSH 34KV	1044	-0.00624	-0.19082	15
WERE	WACO 138KV	30	-0.19706	AEPWP	WILKES 138KV	74.3857	-0.00577	-0.19129	15
WERE	WACO 138KV	30	-0.19706	AEPWP	WILKES 34KV	119.1549	-0.00568	-0.19138	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0345	-0.17903	15
WERE	CITY OF WINFIELD 69KV	40	-0.21353	WEPL	JUDSON LARGE 115KV	68.24352	-0.03468	-0.17885	16
WERE	CITY OF WINFIELD 69KV	40	-0.21353	OKJGE	SOONER 138KV	535	-0.00989	-0.17365	16
WERE	GETTY 69KV	35	-0.18755	WERE	CHANUTE 69KV	47.15	-0.01111	-0.17644	16
WERE	GETTY 69KV	35	-0.18755	WERE	CLAY CENTER JUNCTION 115KV	17	-0.00863	-0.17892	16
WERE	GETTY 69KV	35	-0.18755	AEPWP	COGENTRIX 34KV	200	-0.00526	-0.18229	16
WERE	GETTY 69KV	35	-0.18755	AEPWP	EASTMAN 138KV	355	-0.00558	-0.18197	16
WERE	GETTY 69KV	35	-0.18755	WERE	HOLTON 115KV	6	-0.0056	-0.18207	16
WERE	GETTY 69KV	35	-0.18755	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.18225	16
WERE	GETTY 69KV								

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

WERE	WACO 138KV		30	-0.19706	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.17484	16
WERE	WACO 138KV		30	-0.19706	MIDW	COLBY 115KV	11,484.83	-0.01497	-0.18209	16
WERE	WACO 138KV		30	-0.19706	AEPW	COMANCHE 138KV	145	-0.0179	-0.17316	16
WERE	WACO 138KV		30	-0.19706	AEPW	COMANCHE 69KV	60	-0.01752	-0.17924	16
WERE	WACO 138KV		30	-0.19706	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.17488	16
WERE	WACO 138KV		30	-0.19706	OKGE	HORSESHOE LAKE 138KV	63,870.12	-0.01781	-0.17925	16
WERE	WACO 138KV		30	-0.19706	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.17867	16
WERE	WACO 138KV		30	-0.19706	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.18243	16
WERE	WACO 138KV		30	-0.19706	OKGE	MCCLAIN 138KV	470	-0.0185	-0.17856	16
WERE	WACO 138KV		30	-0.19706	OKGE	MUSTANG 138KV	160	-0.01904	-0.17802	16
WERE	WACO 138KV		30	-0.19706	OKGE	REDBUD 345KV	150	-0.01722	-0.17884	16
WERE	WACO 138KV		30	-0.19706	OKGE	SEMINOLE 138KV	258,816.8	-0.01621	-0.18065	16
WERE	WACO 138KV		30	-0.19706	OKGE	SEMINOLE 345KV	610	-0.01651	-0.18055	16
WERE	WACO 138KV		30	-0.19706	OKGE	SMITH COGEN 138KV	107	-0.01887	-0.17819	16
WERE	WACO 138KV		30	-0.19706	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.17902	16
WERE	WACO 138KV		30	-0.19706	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.17902	16
WERE	WACO 138KV		30	-0.19706	AEPW	WEATHERFORD 34KV	12	-0.01971	-0.17725	16
WERE	GETTY 69KV		35	-0.18755	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.16513	17
WERE	GETTY 69KV		35	-0.18755	MIDW	COLBY 115KV	11,484.83	-0.01497	-0.17258	17
WERE	GETTY 69KV		35	-0.18755	AEPW	COMANCHE 138KV	145	-0.0179	-0.16965	17
WERE	GETTY 69KV		35	-0.18755	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.16537	17
WERE	GETTY 69KV		35	-0.18755	OKGE	HORSESHOE LAKE 138KV	63,870.12	-0.01781	-0.16974	17
WERE	GETTY 69KV		35	-0.18755	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.17036	17
WERE	GETTY 69KV		35	-0.18755	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.17092	17
WERE	GETTY 69KV		35	-0.18755	WERE	MCCLAIN 138KV	470	-0.0185	-0.16935	17
WERE	GETTY 69KV		35	-0.18755	OKGE	MUSTANG 138KV	160	-0.01904	-0.16851	17
WERE	GETTY 69KV		35	-0.18755	OKGE	REDBUD 345KV	150	-0.01722	-0.17033	17
WERE	GETTY 69KV		35	-0.18755	OKGE	SEMINOLE 138KV	258,816.8	-0.01621	-0.17134	17
WERE	GETTY 69KV		35	-0.18755	OKGE	SEMINOLE 345KV	610	-0.01651	-0.17104	17
WERE	GETTY 69KV		35	-0.18755	OKGE	SMITH COGEN 138KV	107	-0.01887	-0.16868	17
WERE	GETTY 69KV		35	-0.18755	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.16951	17
WERE	GETTY 69KV		35	-0.18755	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.16951	17
WERE	GETTY 69KV		35	-0.18755	AEPW	WEATHERFORD 34KV	12	-0.01971	-0.16784	17
WERE	GILL ENERGY CENTER 138KV		285	-0.20823	OKGE	SOONER 138KV	535	-0.03988	-0.16833	17
WERE	GILL ENERGY CENTER 69KV		118	-0.21022	OKGE	SOONER 138KV	535	-0.03988	-0.17034	17
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	ASBURY 161KV	191	0.00913	-0.16373	17
WEPL	HARPER 138KV		13.53	-0.1546	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.17252	17
WERE	WACO 138KV		30	-0.19706	OKGE	CENTENIAL WIND 34KV	16	-0.02562	-0.17144	17
WERE	WACO 138KV		30	-0.19706	OKGE	FPLWIND2 34KV	16	-0.0259	-0.17116	17
WERE	WACO 138KV		30	-0.19706	OKGE	SOONER 345KV	537	-0.02954	-0.16752	17
WERE	GETTY 69KV		35	-0.18755	OKGE	CENTENIAL WIND 34KV	16	-0.02562	-0.16193	18
WERE	GETTY 69KV		35	-0.18755	OKGE	FPLWIND2 34KV	16	-0.0259	-0.16165	18
WERE	GETTY 69KV		35	-0.18755	OKGE	SOONER 345KV	537	-0.02954	-0.15801	18
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	FLINT CREEK 161KV	400	0.00335	-0.15495	18
WEPL	HARPER 138KV		13.53	-0.1546	KACP	HAWTHORN 161KV	455	0.00557	-0.16017	18
WEPL	HARPER 138KV		13.53	-0.1546	MIPU	LAKE ROAD 161KV	35	0.00313	-0.15773	18
WEPL	HARPER 138KV		13.53	-0.1546	MIPU	LAKE ROAD 34KV	32	0.00313	-0.15773	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	LARUSSEL 161KV	100	0.00659	-0.16119	18
WEPL	HARPER 138KV		13.53	-0.1546	KACP	MARSHALL 161KV	15	0.00446	-0.15906	18
WEPL	HARPER 138KV		13.53	-0.1546	KACP	MONTROSE 161KV	218.3628	0.00629	-0.16089	18
WEPL	HARPER 138KV		13.53	-0.1546	KACP	NEARMAN 20KV	235	0.00584	-0.16044	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	NORTHEASTERN STATION 345KV	625	0.00712	-0.16174	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	OZARK BEACH 161KV	16	0.00425	-0.15885	18
WEPL	HARPER 138KV		13.53	-0.1546	KACY	QUINDARO 161KV	70.3205	0.00585	-0.16045	18
WEPL	HARPER 138KV		13.53	-0.1546	KACY	QUINDARO 69KV	72	0.00587	-0.16047	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	RIVERTON 161KV	35	0.00761	-0.16221	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	RIVERTON 34KV	44,738.23	0.00685	-0.16155	18
WEPL	HARPER 138KV		13.53	-0.1546	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.16024	18
WEPL	HARPER 138KV		13.53	-0.1546	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.1602	18
WEPL	HARPER 138KV		13.53	-0.1546	MIPU	SOUTH HARPER 161KV	308.9866	0.00739	-0.16199	18
WEPL	HARPER 138KV		13.53	-0.1546	EMDE	STATE LINE 161KV	285.6022	0.00712	-0.16174	18
WERE	WACO 138KV		30	-0.19706	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0345	-0.16256	18
WERE	WACO 138KV		30	-0.19706	WEPL	JUDSON LARGE 115KV	68.24352	-0.03468	-0.16238	18
WERE	WACO 138KV		30	-0.19706	OKGE	SOONER 138KV	535	-0.03988	-0.15718	18
WERE	CITY OF AUGUSTA 69KV		21.16999	-0.24556	WERE	EVANS ENERGY CENTER 138KV	288.9798	-0.09845	-0.14711	19
WERE	GETTY 69KV		35	-0.18755	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0345	-0.15805	19
WERE	GETTY 69KV		35	-0.18755	WEPL	JUDSON LARGE 115KV	68.24352	-0.03468	-0.15287	19
WERE	GETTY 69KV		35	-0.18755	OKGE	SOONER 138KV	535	-0.03988	-0.14767	19
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	AES 161KV	320	-0.00346	-0.15114	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	CENTENIAL 345KV	230	-0.05252	-0.14349	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	EASTMAN 138KV	355	-0.00558	-0.14902	19
WEPL	HARPER 138KV		13.53	-0.1546	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.1493	19
WEPL	HARPER 138KV		13.53	-0.1546	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.1496	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	KNOXLEE 138KV	103	-0.00554	-0.14936	19
WEPL	HARPER 138KV		13.53	-0.1546	WERE	LAWRENCE ENERGY CENTER 230KV	232.3442	-0.00236	-0.15224	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	LEBROCK 345KV	315	-0.00557	-0.14903	19
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.15014	19
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.14965	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	NORTHEASTERN STATION 138KV	293	-0.00429	-0.15031	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	OEC 345KV	269	-0.00352	-0.15108	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	PIRKEY GENERATION 138KV	213	-0.00556	-0.14904	19
WEPL	HARPER 138KV		13.53	-0.1546	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.14866	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	WELSH 345KV	1044	-0.00624	-0.14836	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	WILKES 138KV	74.3857	-0.00577	-0.14878	19
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	WILKES 345KV	119.1549	-0.00568	-0.14892	19
WERE	EVANS ENERGY CENTER 138KV		504.0232	-0.09845	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04482	-0.14337	20
WERE	EVANS ENERGY CENTER 138KV		504.0232	-0.09845	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04482	-0.14337	20
WEPL	HARPER 138KV		13.53	-0.1546	WERE	CHANUTE 69KV	47.15	-0.01111	-0.14349	20
WEPL	HARPER 138KV		13.53	-0.1546	WERE	CLAY CENTER JUNCTION 115KV	8.7	-0.00863	-0.14597	20
WEPL	HARPER 138KV		13.53	-0.1546	MIDW	COLBY 115KV	11,484.83	-0.01497	-0.13963	20
WEPL	HARPER 138KV		13.53	-0.1546	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.14177	20
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	COMANCHE 138KV	145	-0.0179	-0.1367	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	COMANCHE 69KV	60	-0.01752	-0.13678	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	HORSESHOE LAKE 138KV	63,870.12	-0.01781	-0.13679	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	HORSESHOE LAKE 69KV	16	-0.01719	-0.13741	21
WEPL	HARPER 138KV		13.53	-0.1546	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.01663	-0.13797	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	MCCLAIN 138KV	470	-0.0185	-0.13761	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	MUSTANG 138KV	160	-0.01904	-0.13556	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	REDBUD 345KV	150	-0.01722	-0.13738	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	SEMINOLE 138KV	258,816.8	-0.01621	-0.13839	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	SEMINOLE 345KV	610	-0.01651	-0.13809	21
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	SMITH COGEN 138KV	107	-0.01887	-0.13573	21
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	SOUTHWESTERN STATION 138KV	59	-0.01804	-0.13656	21
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	SOUTHWESTERN STATION 138KV	160	-0.01804	-0.13656	21
WEPL	HARPER 138KV		13.53	-0.1546	AEPW	WEATHERFORD 34KV	12	-0.01971	-0.13489	21
WEPL	HARPER 138KV		13.53	-0.1546	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.02242	-0.13218	22
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	CENTENIAL WIND 34KV	16	-0.02562	-0.12988	22
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	FPLWIND2 34KV	16	-0.0259	-0.1287	22
WEPL	HARPER 138KV		13.53	-0.1546	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.02218	-0.13242	22
MIDW	Lawrence 118kv		999	-0.04068	EMDE	ELK RIVER 345KV	150	0.09037	-0.13105	22
WEPL	HARPER 138KV		13.53	-0.1546	OKGE	SOONER 345KV	537	-0.02954	-0.12506	23
WEPL	JUDSON LARGE 115KV		34.75648	-0.03468	EMDE	ELK RIVER 345KV	150	0.09037	-0.12505	23
OKGE	SOUTH 4TH ST 69KV		42.7	-0.03386	EMDE	ELK RIVER 345KV	150	0.0903		

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

WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACP	HAWTHORN 161KV	455	0.00557	-0.10402	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	EMDE	LARUSSEL 161KV	100	0.00659	-0.10504	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACP	MONROSE 161KV	218.36238	0.00629	-0.10374	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACY	NEARMAN 20KV	235	0.00584	-0.10429	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACY	QUINDARO 161KV	70.2305	0.00585	-0.1043	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACP	QUINDARO 69KV	72	0.00587	-0.10432	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	EMDE	RIVERTON 161KV	35	0.00761	-0.10606	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	EMDE	RIVERTON 69KV	44.7382	0.00685	-0.1034	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.10409	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.10405	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIPU	SOUTH HARPER 161KV	308.9996	0.00739	-0.10584	27
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	EMDE	STATE LINE 161KV	285.6002	0.00714	-0.10569	27
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01663	EMDE	ELK RIVER 345KV	150	0.09037	-0.107	27
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01672	EMDE	ELK RIVER 345KV	150	0.09037	-0.10709	27
MIDW	KNOLL 115KV	75.924	-0.01692	EMDE	ELK RIVER 345KV	150	0.09037	-0.10729	27
MIDW	Yone 115KV	989	-0.01498	EMDE	ELK RIVER 345KV	150	0.09037	-0.10536	27
OKGE	SEMINOLE 138KV	246.1833	-0.01621	EMDE	ELK RIVER 345KV	150	0.09037	-0.10568	27
OKGE	SEMINOLE 345KV	419.6	-0.01651	EMDE	ELK RIVER 345KV	150	0.09037	-0.10688	27
WERE	CHANUTE 69KV	33.45	-0.01111	EMDE	ELK RIVER 345KV	150	0.09037	-0.10148	28
WERE	CITY OF ERIE 69KV	24.53	-0.01111	EMDE	ELK RIVER 345KV	150	0.09037	-0.10148	28
WEPL	CLIFTON 115KV	70	-0.00376	EMDE	ELK RIVER 345KV	150	0.09037	-0.10013	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIPU	LAKE ROAD 161KV	35	0.00313	-0.10158	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIPU	LAKE ROAD 34KV	92	0.00313	-0.10158	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	KACP	MARSHALL 161KV	15	0.00446	-0.10291	28
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	EMDE	OZARK BEACH 161KV	16	0.00425	-0.1027	28
WERE	KIOWA 345KV	1348	-0.01254	EMDE	ELK RIVER 345KV	150	0.09037	-0.10291	28
WERE	ABLENE ENERGY CENTER 115KV	66	-0.00659	EMDE	ELK RIVER 345KV	150	0.09037	-0.09996	29
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00863	EMDE	ELK RIVER 345KV	150	0.09037	-0.099	29
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	EMDE	ELK RIVER 345KV	150	0.09037	-0.09983	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	FLINT CREEK 161KV	400	0.00335	-0.09989	29
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	NORTHEASTERN STATION 345KV	625	0.00102	-0.09947	29
WERE	HOLTON 115KV	13.8	-0.00658	EMDE	ELK RIVER 345KV	150	0.09037	-0.09695	29
AEWP	NARROWS 69KV	30	-0.00679	EMDE	ELK RIVER 345KV	150	0.09037	-0.09716	29
MIDW	nos 115KV	999	-0.00742	EMDE	ELK RIVER 345KV	150	0.09037	-0.09779	29
WERE	SOUTH SENECA 115KV	12.7	-0.00962	EMDE	ELK RIVER 345KV	150	0.09037	-0.09929	29
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00794	EMDE	ELK RIVER 345KV	150	0.09037	-0.09831	29
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0076	EMDE	ELK RIVER 345KV	150	0.09037	-0.09797	29
WERE	WACO 138KV	30	-0.19709	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09845	-0.09861	29
AEWP	WELLECTA 138KV	169	-0.00947	EMDE	ELK RIVER 345KV	150	0.09037	-0.09894	29
AEWP	ARSENAL HILL 69KV	110	-0.00504	EMDE	ELK RIVER 345KV	150	0.09037	-0.09541	30
WERE	CITY OF IOLA 69KV	42.878	-0.00508	EMDE	ELK RIVER 345KV	150	0.09037	-0.09545	30
AEWP	COGENTRIX 345KV	694	-0.00526	EMDE	ELK RIVER 345KV	150	0.09037	-0.09563	30
AEWP	EASTMAN 138KV	130.01	-0.00558	EMDE	ELK RIVER 345KV	150	0.09037	-0.09630	30
AEWP	ELLIS 69KV	20	-0.00308	EMDE	ELK RIVER 345KV	150	0.09037	-0.09345	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	OKGE	AES 161KV	320	-0.00346	-0.09499	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.09345	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	LAWRENCE ENERGY CENTER 230KV	232.3498	-0.00236	-0.09609	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.09399	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.0935	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	NORTHEASTERN STATION 138KV	346	-0.00429	-0.09416	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	OEC 345KV	269	-0.00352	-0.09493	30
AEWP	FULTON 115KV	153	-0.00455	EMDE	ELK RIVER 345KV	150	0.09037	-0.09492	30
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0033	EMDE	ELK RIVER 345KV	150	0.09037	-0.09567	30
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	EMDE	ELK RIVER 345KV	150	0.09037	-0.09537	30
AEWP	KNOLLEE 138KV	320	-0.00554	EMDE	ELK RIVER 345KV	150	0.09037	-0.09591	30
AEWP	LEBROCK 345KV	382	-0.00557	EMDE	ELK RIVER 345KV	150	0.09037	-0.09594	30
AEWP	LIEBERMAN 138KV	272	-0.00515	EMDE	ELK RIVER 345KV	150	0.09037	-0.09552	30
AEWP	LONGSTAR POWER PLANT 69KV	50	-0.00565	EMDE	ELK RIVER 345KV	150	0.09037	-0.09625	30
OKGE	MUSKOGEE 161KV	28	-0.00446	EMDE	ELK RIVER 345KV	150	0.09037	-0.09483	30
OKGE	MUSKOGEE 345KV	17	-0.00495	EMDE	ELK RIVER 345KV	150	0.09037	-0.09532	30
AEWP	NORTHEASTERN STATION 138KV	162	-0.00429	EMDE	ELK RIVER 345KV	150	0.09037	-0.09466	30
AEWP	OEG 345KV	1878.09	-0.00352	EMDE	ELK RIVER 345KV	150	0.09037	-0.09389	30
AEWP	PIRKEY GENERATION 138KV	75	-0.00556	EMDE	ELK RIVER 345KV	150	0.09037	-0.09593	30
AEWP	TULSA POWER STATION 138KV	307	-0.00505	EMDE	ELK RIVER 345KV	150	0.09037	-0.09542	30
AEWP	TULSA POWER STATION 69KV	80	-0.00505	EMDE	ELK RIVER 345KV	150	0.09037	-0.09542	30
AEWP	WILKES 138KV	413.6143	-0.00577	EMDE	ELK RIVER 345KV	150	0.09037	-0.09514	30
AEWP	WILKES 345KV	191.8451	-0.00568	EMDE	ELK RIVER 345KV	150	0.09037	-0.09505	30
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	COGENTRIX 345KV	200	-0.00526	-0.09319	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	EASTMAN 138KV	365	-0.00558	-0.09287	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.09315	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	KNOLLEE 138KV	400	-0.00539	-0.09311	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	LEBROCK 345KV	315	-0.00557	-0.09528	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	PIRKEY GENERATION 138KV	213	-0.00556	-0.09289	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.09051	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	WELSH 345KV	1044	-0.00624	-0.09221	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	WILKES 138KV	74.3897	-0.0057	-0.09268	31
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	WILKES 345KV	119.1549	-0.00568	-0.09277	31
AEWP	FITZHUGH 161KV	150	-0.00273	EMDE	ELK RIVER 345KV	150	0.09037	-0.0931	31
AEWP	LAWRENCE ENERGY CENTER 230KV	36.65149	-0.00236	EMDE	ELK RIVER 345KV	150	0.09037	-0.09273	31
AEWP	MID-CONTINENT 138KV	142.11	-0.00171	EMDE	ELK RIVER 345KV	150	0.09037	-0.09208	31
AEWP	TONTOWN 161KV	346.12	-0.00023	EMDE	ELK RIVER 345KV	150	0.09037	-0.0906	31
AEWP	FLINT CREEK 161KV	28	0.00035	EMDE	ELK RIVER 345KV	150	0.09037	-0.09002	32
AEWP	GETTY 69KV	35	-0.18755	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.09845	-0.0891	32
KACP	TATAN 345KV	651	0.00259	EMDE	ELK RIVER 345KV	150	0.09037	-0.0878	32
AEWP	NORTHEASTERN STATION 345KV	19.99997	0.00102	EMDE	ELK RIVER 345KV	150	0.09037	-0.0878	32
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	CHANUTE 69KV	47.15	-0.01111	-0.08734	33
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WERE	SMOKEY HILLS 34KV	177	-0.01283	-0.08562	33
MIPU	LAKE ROAD 161KV	91	0.00313	EMDE	ELK RIVER 345KV	150	0.09037	-0.08724	33
KACP	MARSHALL 161KV	38.11	0.00446	EMDE	ELK RIVER 345KV	150	0.09037	-0.08591	33
MIDW	pawnee 115KV	999	-0.04068	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04482	-0.0856	33
MIDW	pawnee 115KV	999	-0.04068	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04482	-0.0856	33
MIPU	TWA 161KV	32.1	0.0052	EMDE	ELK RIVER 345KV	150	0.09037	-0.08517	33
MIPU	ARIES 161KV	595	0.00688	EMDE	ELK RIVER 345KV	150	0.09037	-0.08537	33
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00544	EMDE	ELK RIVER 345KV	150	0.09037	-0.08493	34
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	MIDW	COLBY 115KV	11.48483	-0.01497	-0.08348	34
MIPU	GREENWOOD 161KV	255.8	0.00671	EMDE	ELK RIVER 345KV	150	0.09037	-0.08366	34
KACP	HAWTHORN 161KV	455	0.00557	EMDE	ELK RIVER 345KV	150	0.09037	-0.0848	34
KACP	KAW 69KV	240	0.00689	EMDE	ELK RIVER 345KV	150	0.09037	-0.08348	34
EMDE	LARUSSEL 161KV	196	0.00659	EMDE	ELK RIVER 345KV	150	0.09037	-0.08378	34
KACP	MONROSE 161KV	162.6372	0.00629	EMDE	ELK RIVER 345KV	150	0.09037	-0.08408	34
KACP	NEARMAN 161KV	80	0.00584	EMDE	ELK RIVER 345KV	150	0.09037	-0.08453	34
MIPU	NEVADA 69KV	20.3	0.00634	EMDE	ELK RIVER 345KV	150	0.09037	-0.08403	34
KACP	NORTHEAST 13KV	277	0.00562	EMDE	ELK RIVER 345KV	150	0.09037	-0.08475	34
KACP	NORTHEAST 161KV	277	0.00562	EMDE	ELK RIVER 345KV	150	0.09037	-0.08475	34
KACP	QUINDARO 161KV	166.6795	0.00585	EMDE	ELK RIVER 345KV	150	0.09037	-0.08452	34
KACP	QUINDARO 69KV	105	0.00587	EMDE	ELK RIVER 345KV	150	0.09037	-0.0845	34
MIPU	RALPH GREENE 69KV	73.7	0.00777	EMDE	ELK RIVER 345KV	150	0.09037	-0.0836	34
EMDE	RIVERTON 161KV	260	0.00761	EMDE	ELK RIVER 345KV	150	0.09037	-0.08276	34
EMDE	RIVERTON 69KV	23.26128	0.00695	EMDE	ELK RIVER 345KV	150	0.09037	-0.08342	34
MIPU	SIBLEY 161KV	19.89877	0.00564	EMDE	ELK RIVER 345KV	150	0.09037	-0.08473	34
EMDE	STATE LINE 161KV	320.3498	0.00714	EMDE	ELK RIVER 345KV	150	0.09037	-0.08323	34
KACP	SASBURY 161KV	20	0.00313	EMDE	ELK RIVER 345KV	150	0.09037	-0.08124	35
KACP	BULL CREEK 161KV	413	0.00847	EMDE	ELK RIVER 345KV	150	0.09037	-0.0819	35
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	AEWP	COMANCHE 138KV	145	-0.0179	-0.08055	35
WERE	EV								

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

WEPL	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	OKGE	SOONER 345KV	537	-0.02954	-0.06891	41
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.02242	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06734	42
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	38	-0.02242	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06734	42
OKGE	SPGCK1&2 13.200 345KV	168	-0.02135	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06627	43
OKGE	SPGCK1&2 13.200 345KV	168	-0.02135	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06627	43
OKGE	SPGCK3&4 13.200 345KV	168	-0.02135	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06627	43
OKGE	SPGCK3&4 13.200 345KV	168	-0.02135	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06627	43
AEWP	COMANCHE 138KV	15	-0.01719	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06223	45
AEWP	COMANCHE 138KV	15	-0.01719	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06223	45
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0345	-0.06395	45
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	WEPL	JUDSON LARGE 115KV	68.24352	-0.03468	-0.06377	45
OKGE	HORSESHOE LAKE 138KV	796.1299	-0.01781	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06273	45
OKGE	HORSESHOE LAKE 138KV	796.1299	-0.01781	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06273	45
OKGE	MCLAIN 138KV	50	-0.0185	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06342	45
OKGE	MCLAIN 138KV	50	-0.0185	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06342	45
OKGE	MUSTANG 138KV	205.5	-0.01904	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06396	45
OKGE	MUSTANG 138KV	205.5	-0.01904	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06396	45
OKGE	MUSTANG 69KV	106	-0.01912	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06404	45
OKGE	MUSTANG 69KV	106	-0.01912	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06404	45
AEWP	SOUTHWESTERN STATION 138KV	379	-0.01804	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06296	45
AEWP	SOUTHWESTERN STATION 138KV	379	-0.01804	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06296	45
AEWP	SOUTHWESTERN STATION 138KV	1017	-0.01804	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06296	45
AEWP	SOUTHWESTERN STATION 138KV	1017	-0.01804	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06296	45
OKGE	TINKER 50 138KV	62	-0.01781	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06273	45
OKGE	TINKER 50 138KV	62	-0.01781	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06273	45
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01663	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06165	46
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01663	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06165	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01672	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06164	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01672	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06164	46
MIDW	KNOLL 115KV	75.924	-0.01692	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06184	46
MIDW	KNOLL 115KV	75.924	-0.01692	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06184	46
OKGE	REBUD 345KV	1050	-0.01722	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06214	46
OKGE	REBUD 345KV	1050	-0.01722	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06214	46
OKGE	SEMINOLE 345KV	419.6	-0.01651	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06143	46
OKGE	SEMINOLE 345KV	419.6	-0.01651	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06143	46
OKGE	SEMINOLE 138KV	246.1833	-0.01621	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.06113	47
OKGE	SEMINOLE 138KV	246.1833	-0.01621	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.06113	47
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.014	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05923	48
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.014	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05923	48
MIDW	lyons 115KV	999	-0.01498	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0599	48
MIDW	lyons 115KV	999	-0.01498	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.0599	48
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.09845	OKGE	SOONER 138KV	535	-0.03988	-0.05857	49
MIDW	Lawnee 115KV	999	-0.04068	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.05986	49
WEPL	KIOWA 345KV	1348	-0.01254	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05746	50
AEWP	KIOWA 345KV	1348	-0.01254	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05746	50
WERE	CHANUTE 69KV	33.45	-0.01111	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05603	51
WERE	CHANUTE 69KV	33.45	-0.01111	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05603	51
WERE	CITY OF ERIE 69KV	24.53	-0.01111	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05603	51
WERE	CITY OF ERIE 69KV	24.53	-0.01111	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05603	51
WERE	ABILENE ENERGY CENTER 115KV	66	-0.00959	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05451	52
WERE	ABILENE ENERGY CENTER 115KV	66	-0.00959	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05451	52
WEPL	CLIFTON 115KV	70	-0.00976	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05468	52
WEPL	CLIFTON 115KV	70	-0.00976	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05468	52
AEWP	WEELETKA 138KV	162	-0.00947	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05439	52
AEWP	WEELETKA 138KV	162	-0.00947	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05439	52
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00863	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05355	53
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00863	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05355	53
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05348	53
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00856	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05348	53
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.0526	54
MIDW	hcr 115KV	999	-0.00742	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05234	54
MIDW	hcr 115KV	999	-0.00742	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05234	54
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00794	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05286	54
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00794	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05286	54
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00776	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05252	54
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00776	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05252	54
WERE	NARROWS 69KV	30	-0.00679	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05171	55
AEWP	NARROWS 69KV	30	-0.00679	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05171	55
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.05178	55
AEWP	EASTMAN 138KV	130.01	-0.00558	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0505	56
AEWP	EASTMAN 138KV	130.01	-0.00558	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.0505	56
AEWP	KNOXLEE 138KV	320	-0.00554	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05046	56
AEWP	KNOXLEE 138KV	320	-0.00554	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05046	56
AEWP	LEBROCK 345KV	382	-0.00557	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05049	56
AEWP	LEBROCK 345KV	382	-0.00557	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05049	56
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00585	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05077	56
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00585	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05077	56
AEWP	PIRKEY GENERATION 138KV	75	-0.00556	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05048	56
AEWP	PIRKEY GENERATION 138KV	75	-0.00556	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05048	56
AEWP	WILKES 138KV	413.6143	-0.00577	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05059	56
AEWP	WILKES 138KV	413.6143	-0.00577	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05059	56
AEWP	WILKES 345KV	191.8451	-0.00568	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0506	56
AEWP	WILKES 345KV	191.8451	-0.00568	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.0506	56
AEWP	ARSENAL HILL 69KV	110	-0.00504	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.04996	57
AEWP	ARSENAL HILL 69KV	110	-0.00504	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.04996	57
WERE	CITY OF IOLA 69KV	42.878	-0.00508	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05	57
WERE	CITY OF IOLA 69KV	42.878	-0.00508	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05	57
AEWP	COGENRIX 345KV	694	-0.00526	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05018	57
AEWP	COGENRIX 345KV	694	-0.00526	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05018	57
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0053	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05022	57
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0053	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05022	57
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.04992	57
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.005	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.04992	57
AEWP	LIEBERMAN 138KV	272	-0.00515	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.05007	57
AEWP	LIEBERMAN 138KV	272	-0.00515	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.05007	57
MIDW	Lawnee 115KV	999	-0.04068	EMDE	ASBURY 161KV	191	0.00913	-0.04981	57
AEWP	TULSA POWER STATION 138KV	307	-0.00505	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.04997	57
AEWP	TULSA POWER STATION 138KV	307	-0.00505	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.04492	-0.04997	57
AEWP	TULSA POWER STATION 69KV	80	-0.00505	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0	

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

MIPU	LAKE ROAD 161KV	91	0.00313	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.04179	68
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.0417	68
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	EMDE	LARUSSEL 161KV	100	0.00659	-0.04127	69
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	FLINT CREEK 161KV	400	0.00335	-0.04103	69
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	EMDE	RIVERTON 161KV	35	0.00761	-0.04147	69
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	MIPU	SOUTH HARPER 161KV	308.9866	0.00739	-0.04125	69
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACP	MONTROSE 161KV	218.3628	0.00629	-0.04097	70
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACY	NEARMAN 161KV	235	0.00584	-0.04053	70
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACY	QUINDARO 161KV	70.3205	0.00585	-0.04053	70
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACY	QUINDARO 69KV	72	0.00587	-0.04055	70
KACP	MARSHALL 161KV	39.1	0.00446	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.04046	70
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	EMDE	LARUSSEL 161KV	100	0.00659	-0.04045	70
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.04081	70
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	EMDE	STATE LINE 161KV	285.6502	0.00714	-0.041	70
WEPL	A. M. MULLERGEN GENERATOR 115KV	38	-0.02242	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.04034	71
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	KACP	HAWTHORN 161KV	455	0.00557	-0.04025	71
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.04032	71
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.04028	71
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACP	MONTROSE 161KV	218.3628	0.00629	-0.04015	71
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00544	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03948	72
KACP	HAWTHORN 161KV	455	0.00557	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03935	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACP	HAWTHORN 161KV	455	0.00557	-0.03943	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACY	NEARMAN 20KV	235	0.00584	-0.0397	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACY	QUINDARO 161KV	70.3205	0.00585	-0.03971	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	KACY	QUINDARO 69KV	72	0.00587	-0.03973	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.03972	72
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.03946	72
MIPU	TWA 161KV	32.1	0.00652	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03972	72
KACY	KAW 69KV	242	0.00589	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03903	73
KACY	NEARMAN 161KV	80	0.00584	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.039	73
KACP	NORTHEAST 13KV	277	0.00562	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0393	73
KACP	NORTHEAST 161KV	277	0.00562	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0393	73
KACY	QUINDARO 161KV	166.6795	0.00585	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03907	73
KACY	QUINDARO 69KV	108	0.00587	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03905	73
OKGE	SPGCK&2 13.200 345KV	168	-0.02135	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03927	73
OKGE	SPGCK&3 13.200 345KV	168	-0.02135	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03927	73
EMDE	LARUSSEL 161KV	196	0.00659	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03863	74
KACP	MONTROSE 161KV	162.6372	0.00629	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03833	74
MIDW	PAWNEE 115KV	999	-0.04068	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.03832	74
MIPU	ARIES 161KV	595	0.00668	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03812	75
MIPU	GREENWOOD 161KV	255.8	0.00671	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03821	75
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	MIPU	LAKE ROAD 161KV	35	0.00313	-0.03781	75
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	MIPU	LAKE ROAD 34KV	92	0.00313	-0.03781	75
MIPU	RALLY CREEK 161KV	73.7	0.00877	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.0378	75
EMDE	STATE LINE 161KV	320.3498	0.00714	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03778	75
EMDE	RIVERTON 161KV	250	0.00761	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03731	76
MIDW	MUSTANG 138KV	205.5	-0.01904	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03696	77
OKGE	MUSTANG 69KV	108	-0.01912	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03676	77
OKGE	PAWNEE 115KV	999	-0.04068	OKGE	AES 161KV	320	-0.00346	-0.03722	77
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	DEC 345KV	269	-0.00352	-0.03716	77
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	MIPU	LAKE ROAD 161KV	35	0.00313	-0.03699	77
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	MIPU	LAKE ROAD 34KV	92	0.00313	-0.03699	77
KACP	BULL CREEK 161KV	413	0.00847	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03645	78
OKGE	MCLAIN 138KV	50	-0.0185	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03642	78
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00837	WERE	CITY OF BURLINGTON 69KV	10023.8	0.04492	-0.03655	78
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	NORTHEASTERN STATION 138KV	346	-0.00429	-0.03639	78
MIDW	PAWNEE 115KV	999	-0.04068	OKGE	MUSKOGEE 161KV	138	-0.00446	-0.03622	79
AEPW	SOUTHWESTERN STATION 138KV	379	-0.01804	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03596	79
OKGE	SOUTHWESTERN STATION 138KV	1017	-0.01804	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03596	79
OKGE	HORSESHOE LAKE 138KV	796.1299	-0.01781	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03573	80
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.0357	80
MIDW	PAWNEE 115KV	999	-0.04068	WERE	COGENTRIX 345KV	958	-0.00236	-0.03542	80
MIDW	PAWNEE 115KV	999	-0.04068	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.005	-0.03568	80
MIDW	PAWNEE 115KV	999	-0.04068	OKGE	MUSKOGEE 345KV	1548	-0.00495	-0.03573	80
OKGE	TINKER 50 138KV	62	-0.01781	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03573	81
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	AEPW	FLINT CREEK 161KV	400	0.00335	-0.03503	81
MIDW	PAWNEE 115KV	999	-0.04068	WERE	EASTMAN 161KV	958	-0.00558	-0.03503	81
MIDW	PAWNEE 115KV	999	-0.04068	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0053	-0.03538	81
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	KNOXLEE 138KV	103	-0.00554	-0.03514	81
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	LEBRON 345KV	315	-0.00557	-0.03511	81
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	PRINCY GENERATION 138KV	138	-0.00558	-0.03512	81
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	WILKES 345KV	110.1549	-0.00568	-0.035	81
OKGE	REDBUD 345KV	1050	-0.01722	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03514	81
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.01663	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03455	82
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.01672	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03464	82
MIDW	KNOLL 115KV	75.924	-0.01932	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03484	82
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	WILKES 138KV	74.3857	-0.00577	-0.03491	82
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	AEPW	NORTHEASTERN STATION 345KV	625	0.00102	-0.03488	82
MIDW	PAWNEE 115KV	999	-0.04068	AEPW	WELSH 345KV	1044	-0.00624	-0.03444	83
OKGE	SEMINOLE 345KV	419.8	-0.01651	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03443	83
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	AEPW	FLINT CREEK 161KV	400	0.00335	-0.03421	83
WEPL	CIMARRON RIVER 115KV	72	-0.02491	EMDE	ASBURY 161KV	191	0.00913	-0.03404	84
OKGE	SEMINOLE 138KV	246.1833	-0.01621	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03413	84
MIDW	YENS 115KV	999	-0.01498	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03329	87
MIDW	PAWNEE 115KV	999	-0.04068	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00794	-0.03274	87
WEPL	CIMARRON RIVER 115KV	72	-0.02491	EMDE	RIVERTON 161KV	35	0.00761	-0.03252	88
WEPL	CIMARRON RIVER 115KV	72	-0.02491	MIPU	SOUTH HARPER 161KV	308.9866	0.00739	-0.0323	88
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.03232	89
WERE	BPJ - CITY OF MCPHERSON 115KV	233	-0.014	KACP	LACYGNE UNIT 345KV	958	0.01792	-0.03192	89
WEPL	CIMARRON RIVER 115KV	72	-0.02491	EMDE	RIVERTON 69KV	44.73872	0.00695	-0.03186	89
WEPL	CIMARRON RIVER 115KV	72	-0.02491	EMDE	STATE LINE 161KV	285.6502	0.00714	-0.03205	89
WEPL	A. M. MULLERGEN GENERATOR 115KV	38	-0.02242	EMDE	ASBURY 161KV	191	0.00913	-0.03155	90
WEPL	CIMARRON RIVER 115KV	72	-0.02491	EMDE	LARUSSEL 161KV	100	0.00659	-0.0315	90
OKGE	SOUTH 4TH ST 69KV	42.7	-0.03386	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00236	-0.0315	90
WEPL	CIMARRON RIVER 115KV	72	-0.02491	KACP	MONTROSE 161KV	218.3628	0.00629	-0.0312	91
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	OKGE	AES 161KV	320	-0.00346	-0.03122	91
WEPL	JUDSON LARGE 115KV	34.75648	-0.03468	AEPW	DEC 345KV	269	-0.00352	-0.03116	91
WEPL	CIMARRON RIVER 115KV	72	-0.02491	KACY	NEARMAN 20KV	235	0.00584	-0.03075	93
WEPL	CIMARRON RIVER 115KV	72	-0.02491	KACY	QUINDARO 161KV	70.3205	0.00585	-0.03076	93
WEPL	CIMARRON RIVER 115KV	72	-0.02491	KACY	QUINDARO 69KV	72	0.00587	-0.03078	93
WEPL	CIMARRON RIVER 115KV	72	-0.02491	MIPU	SIBLEY 161KV	230.1012	0.00564	-0.03055	93
WEPL	CIMARRON RIVER 115KV	72	-0.02491	MIPU	SIBLEY 69KV	45.99999	0.0056	-0.03051	93
WEPL	CIMARRON RIVER 115KV	72	-0.02491	KACP	HAWTHORN 161KV	455			

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

WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CHANUTE 69KV	56.037	-0.00113	-0.3092	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CHARRON RIVER 115KV	17.81394	-0.00075	-0.30732	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00003	0.3081	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CITY OF ERIE 69KV	2	0.00113	-0.3092	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CITY OF FREDONIA 69KV	3.19	0.00146	-0.30953	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CITY OF GIRARD 69KV	3.6	0.00032	-0.30839	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	-0.00001	-0.30806	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CITY OF MULVANE 69KV	8.29	0.00179	-0.30829	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.00028	-0.30779	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	CLIFTON 115KV	65	-0.00011	-0.30796	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00003	-0.3081	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	COGENTRIX 345KV	200	0.00002	-0.30802	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIDW	COLBY 115KV	13.10927	-0.00046	-0.30767	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	COMANCHE 138KV	145	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	COMANCHE 69KV	60	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	EASTMAN 138KV	955	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	EMDE	ELK RIVER 345KV	149.9969	0.00002	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	ELLIS 69KV	6.6	0.00001	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	-0.00027	-0.3078	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	EVANS ENERGY CENTER 138KV	535	-0.00022	-0.30595	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	FITZLUIGH 161KV	109	0.00001	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	FLINT CREEK 161KV	400	0.00006	-0.30813	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	FPLW2 345KV	8	-0.0002	-0.30787	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	GILL ENERGY CENTER 138KV	155	-0.00637	-0.3017	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	GILL ENERGY CENTER 69KV	75	-0.0101	-0.29797	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	GRAY COUNTY WIND FARM 115KV	70	-0.00107	-0.30787	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	-0.00069	-0.30738	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	GREENWOOD 161KV	247.8	-0.00001	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	HARPER 138KV	8.600001	-0.00475	-0.30332	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	HAWTHORN 161KV	162	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	HOLTON 115KV	12.2	0.00008	-0.30815	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	HORSESHOE LAKE 138KV	796	-0.00013	-0.30794	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	HORSESHOE LAKE 69KV	16	-0.00012	-0.30795	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.0008	-0.30727	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	IATAN 345KV	396	0.00004	-0.30817	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00015	-0.30792	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	JUDSON LARGE 115KV	96.65982	-0.00108	-0.30699	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIDW	KNOLL 115KV	68.49291	-0.00058	-0.30748	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	KNOXLEE 138KV	284	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	LACYGNE UNIT 345KV	958	0.00002	-0.30809	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	LAKE ROAD 161KV	111	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	LAKE ROAD 34KV	92	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	EMDE	LARUSSEL 161KV	16	0.00001	-0.30817	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	-0.00005	-0.30802	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	LEBRONCK 345KV	315	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	LIEBERMAN 138KV	96.85791	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	MCCLAIN 161KV	351	-0.00004	-0.30807	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	MCCLAIN 138KV	470	-0.00014	-0.30793	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	MONTROSE 161KV	353.5817	0	-0.30807	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	MUSKOGEE 161KV	166	0.00002	-0.30809	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	MUSKOGEE 345KV	1548	0.00001	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	MUSTANG 138KV	90	-0.00004	-0.30793	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	MUSTANG 69KV	90	-0.00014	-0.30793	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	NARROWS 69KV	22	-0.00004	-0.30803	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACY	NEARMAN 161KV	45	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACY	NEARMAN 20KV	234.5	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	NEVADA 69KV	11.8	0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	NORTHEAST 13KV	36	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	NORTHEAST 161KV	1,290,039	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	NORTHEASTERN STATION 138KV	488	0.0001	-0.30817	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	NORTHEASTERN STATION 345KV	1,000	0.00008	-0.30815	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	OEC 345KV	269	0.00004	-0.30811	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	EMDE	OZARK BEACH 161KV	16	0.00006	-0.30813	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00004	-0.30811	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	PINKRY GENERATION 138KV	243	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACP	QUINDARO 161KV	162.6049	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	KACY	QUINDARO 69KV	129.4	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	RALPH GREEN 69KV	71.7	-0.00001	-0.30808	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	REDBUD 345KV	150	-0.00012	-0.30795	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	RIVINGTON 161KV	156.1535	0.00012	-0.30794	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	EMDE	RIVERTON 69KV	42.9942	0.00012	-0.30819	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SEMINOLE 138KV	462.0428	-0.00012	-0.30795	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SEMINOLE 345KV	1019	-0.00012	-0.30795	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	SIBLEY 161KV	230.4487	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	SIBLEY 69KV	45.99995	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SMITH COGEN 138KV	107	-0.00014	-0.30793	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	SMOKEY HILLS 34KV	152	-0.00048	-0.30759	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SOONER 138KV	535	-0.00017	-0.30799	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SOONER 345KV	537	-0.00002	-0.30786	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SOUTH 4TH ST 69KV	37	-0.00021	-0.30786	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	SOUTH HARPER 161KV	315	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	SOUTH SENECA 115KV	8.5	0.00018	-0.30825	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	SOUTHWESTERN STATION 138KV	637	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	SPGK182 13,200 345KV	60	-0.00016	-0.30791	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	EMDE	STATE LINE 161KV	532	0.00012	-0.30819	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.0001	-0.30817	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	TRINER 5G 138KV	60	-0.00013	-0.30794	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	TULSA POWER STATION 138KV	299	0.00003	-0.3081	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	MIFU	TWA 161KV	6,035,645	-0.00002	-0.30805	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	WEATHERFORD 34KV	12	-0.00018	-0.30789	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	WELSH 345KV	1044	-0.00004	-0.30803	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	WILKES 138KV	411.056	-0.00002	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	AEPW	WILKES 345KV	308	-0.00003	-0.30804	3
WERE	CITY OF WINFIELD 69KV	27.30999	-0.30807	OKGE	WOODWARD 24KV	10	-0.00002	-0.30787	3
WERE	OXFORD 138KV	3	-0.07402	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.1229	7
WERE	GILL ENERGY CENTER 69KV	8	-0.0101	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05688	14
WERE	CITY OF MULVANE 69KV	7.5	-0.00628	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05516	15
WERE	EMPORIA ENERGY CENTER 138KV	84.99999	-0.00637	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05525	15
WERE	HARPER 138KV	8.609999	-0.00475	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05363	15
WERE	WACO 138KV	30	-0.00594	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05482	15
WERE	CHARRON RIVER 115KV	29.18616	-0.00075	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04963	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.00212	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.051	16
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.0008	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04968	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.0008	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04968	16
WERE	JUDSON LARGE 115KV	6,340.179	-0.00108	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04996	16
WERE	MIDW power 115kv	999	-0.00137	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.05025	16
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.00034	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04922	17
WERE	ARIES 161KV	595	-0.00001	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
WERE	ARSENAL HILL 69KV	110	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
WERE	ASBURY 161KV	20	0.00016	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04972	17
WERE	RPU - CITY OF MCPHERSON 115KV	232	-0.00061	WERE	CITY OF AUGUSTA 69KV	20.			

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

AEWP	KIOWA 345KV	1348	-0.00008	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04896	17
MIDW	KNOLL 115KV	7.431254	-0.00059	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04947	17
AEWP	KNOXLEE 138KV	139	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
EMDE	LARUSSEL 161KV	196	0.0001	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04878	17
WERE	LAWRENCE ENERGY CENTER 230KV	34.18027	-0.00005	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04893	17
AEWP	LEBROCK 345KV	382	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
AEWP	LIEBERMAN 138KV	131.1421	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
MIDW	Lyns 115KV	999	-0.00068	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04956	17
KACP	MARSHALL 161KV	39.1	0	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
OKGE	MCCLAIN 138KV	50	-0.00014	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04902	17
AEWP	MID-CONTINENT 138KV	142.11	0.00007	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
KACP	MONROSE 161KV	27.41826	0	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
OKGE	MUSKOGEE 345KV	17	0.00001	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04887	17
OKGE	MUSTANG 138KV	49	-0.00014	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04902	17
OKGE	MUSTANG 69KV	15.99999	-0.00014	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04902	17
KACY	NEARMAN 161KV	35	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
KACP	NORTHEAST 13KV	221	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
KACP	NORTHEAST 161KV	255.71	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
AEWP	NORTHEASTERN STATION 138KV	19.99997	0.0001	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04878	17
AEWP	NORTHEASTERN STATION 345KV	19.99997	0.00008	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
AEWP	OEC 345KV	1878.03	0.00004	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04884	17
AEWP	PIRKEY GENERATION 138KV	45	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
KACY	QUINDARO 161KV	74.39324	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
KACP	QUINDARO 69KV	47.6	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
OKGE	REDBUD 345KV	1050	-0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04922	17
MIDW	rice 115KV	999	0.00021	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04867	17
EMDE	RIVERTON 161KV	128.8467	0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04876	17
EMDE	RIVERTON 69KV	25.0058	0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04876	17
OKGE	SEMINOLE 138KV	42.85718	-0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
OKGE	SEMINOLE 345KV	10.60004	-0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
MIPU	SIBLEY 161KV	19.5513	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00021	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04909	17
WERE	SOUTH SENECA 115KV	8.2	0.00018	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04887	17
AEWP	SOUTHWESTERN STATION 138KV	229	-0.00016	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04893	17
AEWP	SOUTHWESTERN STATION 138KV	225	-0.00016	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04904	17
OKGE	SPGCK1&2 13.200 345KV	18	-0.00016	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04904	17
OKGE	SPGCK3&4 13.200 345KV	168	-0.00016	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04904	17
EMDE	STATE LINE 161KV	74	0.00012	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04876	17
WERE	TECLUMSEH ENERGY CENTER 115KV	28	0.0001	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04878	17
WERE	TECLUMSEH ENERGY CENTER 69KV	41	0.00009	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04879	17
AEWP	TONTITOWN 161KV	346.12	0.00006	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04882	17
AEWP	TULSA POWER STATION 69KV	80	0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04888	17
MIPU	TWA 161KV	24.06435	-0.00002	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04889	17
AEWP	WLEETKA 138KV	162	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
AEWP	WILKES 138KV	51.90497	-0.00003	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.04891	17
WERE	WETZEL 69KV	35	0.01159	WERE	CITY OF AUGUSTA 69KV	20.02	0.04888	-0.03729	22

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

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
Direction: To->From
Line Outage: EL PASO - FARBEL 138KV CKT 1
Flowgate: 200TAG1AFS41T1524408SP
Date Redispatch Needed: 8/1/08 - 10/1/08
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222932		0.3		CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	A. M. MULLEROREN GENERATOR 115KV	63	0.00388	-0.29491	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	ARLENE ENERGY CENTER 115KV	0	0.00519	-0.29222	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	AES 161KV	320	-0.00251	-0.28852	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIPU	ARIES 161KV	39.94163	0.00432	-0.29535	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	EMDE	ASBURY 161KV	191	0.00125	-0.29228	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	BPU - CITY OF MCPHERSON 115KV	47.03869	0.00488	-0.29469	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	BULL CREEK 161KV	353	0.00473	-0.29576	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	CENTENAL WIND 34KV	120	-0.01094	-0.28009	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CHANUTE 69KV	56.037	0.004	-0.29503	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CMAARON RIVER 115KV	42.55588	0.00217	-0.29322	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF AUGUSTA 69KV	0	0.06462	-0.35565	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00898	-0.30001	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF ERIE 69KV	2	0.004	-0.29503	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF FREDONIA 69KV	3.19	0.00448	-0.29551	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF GIRARD 69KV	3.6	0.0223	-0.29529	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00351	-0.29454	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CITY OF MULVANE 69KV	8.29	0.01376	-0.30479	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.0053	-0.29633	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	CLIFTON 115KV	85	0.00505	-0.29608	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00888	-0.30001	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	COGENTRIX 345KV	200	-0.00393	-0.2871	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIDW	COLBY 115KV	13.58022	0.00242	-0.29345	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	COMANCHE 138KV	145	-0.00692	-0.28411	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	COMANCHE 69KV	60	-0.00692	-0.28411	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	EASTMAN 138KV	355.2983	-0.00268	-0.28835	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	EMDE	ELK RIVER 345KV	149.9956	0.0098	-0.30083	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	ELLIS 69KV	6	-0.00244	-0.28859	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	EMPORIA ENERGY CENTER 345KV	310	0.00611	-0.29714	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	EVANS ENERGY CENTER 138KV	105	0.0194	-0.30121	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	FITZHUGH 161KV	85	-0.00215	-0.28888	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	FLINT CREEK 161KV	400	-0.00188	-0.28915	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	FRLWIND2 34KV	102	-0.01108	-0.27995	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	GILL ENERGY CENTER 138KV	105	0.01042	-0.29465	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	GILL ENERGY CENTER 69KV	75	0.00661	-0.29764	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.29401	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.87567	0.00243	-0.29346	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIPU	GREENWOOD 161KV	247.8	0.00429	-0.29532	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	HARPER 138KV	8.49	0.00841	-0.29344	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	HAWTHORN 161KV	762	0.00423	-0.29526	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	HOLTON 115KV	12.2	0.00526	-0.29629	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	HORSESHOE LAKE 138KV	796	-0.00767	-0.28336	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.28355	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.00474	-0.29577	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.29577	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	IATAN 345KV	396	0.00449	-0.29552	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.29637	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.29634	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	JUDSON LARGE 115KV	92.0796	0.00299	-0.29402	1
			WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEWP	KIOWA 345KV	2.55192	-0.00561	-0.28542	1
			WERE	CITY OF WINFIELD 69KV	13.68							

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

WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	OZARK BEACH 161KV	277.46	-0.0034	-0.28763	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	EMDE	OZARK BEACH 161KV	16	0.0015	-0.29118	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0042	-0.29523	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	PIRKEY GENERATION 138KV	253	-0.00266	-0.28837	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACY	QUINDARO 161KV	117.3763	0.00445	-0.29548	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	KACP	QUINDARO 69KV	72	0.00445	-0.29548	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIFU	RALPH GREEN 69KV	71.7	0.00424	-0.29527	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	REDBUD 345KV	110.5911	-0.00755	-0.29349	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	EMDE	RIVERTON 161KV	135.8296	0.00044	-0.29147	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	EMDE	RIVERTON 69KV	42.69037	0.00032	-0.29135	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SEMINOLE 138KV	348.6421	-0.00693	-0.28411	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SEMINOLE 345KV	1019	-0.00703	-0.284	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIFU	SIBLEY 161KV	230.7676	0.00406	-0.29509	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIFU	SIBLEY 69KV	45.99999	0.00408	-0.29511	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SMITH COGEN 138KV	107	-0.00789	-0.28314	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.29576	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SOONER 138KV	535	-0.02181	-0.29522	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SOONER 345KV	537	-0.13033	-0.278	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SOUTH 4TH ST 69KV	20.26953	-0.01619	-0.27484	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIFU	SOUTH HARPER 161KV	315	0.00458	-0.29561	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	SOUTH SENECA 115KV	3.5	0.05177	-0.2962	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00707	-0.29396	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	712	-0.00707	-0.29396	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SPGCK1&2 13.200 345KV	78	-0.00899	-0.28204	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	SPGCK3&4 13.200 345KV	40.20001	-0.00899	-0.28204	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	STATE LINE 161KV	500	0.00004	-0.29143	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00574	-0.29677	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	OKGE	TINKER 5G 138KV	60	-0.00753	-0.2835	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	TULSA POWER STATION 138KV	201	-0.00394	-0.28709	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	MIFU	TWA 161KV	28.1	0.00431	-0.29534	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.28357	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	WELSH 345KV	1044	-0.00296	-0.28807	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	WILKES 138KV	298.144	-0.00276	-0.28827	1
WERE	CITY OF WINFIELD 69KV	13.68999	-0.29103	AEPW	WILKES 345KV	308	-0.00272	-0.28831	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF AUGUSTA 69KV	20	0.06462	-0.20217	2
WERE	OXFORD 138KV	3	-0.13755	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	0.00388	-0.14143	2
WERE	OXFORD 138KV	3	-0.13755	WERE	ABILENE ENERGY CENTER 115KV	40	0.00519	-0.14274	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	AES 161KV	320	-0.00251	-0.13511	2
WERE	OXFORD 138KV	3	-0.13755	MIFU	ARIES 161KV	39.84163	0.00432	-0.14167	2
WERE	OXFORD 138KV	3	-0.13755	EMDE	ASBURY 161KV	191	0.0125	-0.1388	2
WERE	OXFORD 138KV	3	-0.13755	WERE	BPU - CITY OF MCPHERSON 115KV	47.03906	0.00484	-0.14239	2
WERE	OXFORD 138KV	3	-0.13755	KACP	BULL CREEK 161KV	353	0.00473	-0.14228	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	CENTRAL WIND 34KV	120	-0.01094	-0.12661	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CHANUTE 69KV	56.037	-0.03	-0.14165	2
WERE	OXFORD 138KV	3	-0.13755	WEPL	CHARRON RIVER 115KV	42.55588	0.00217	-0.13972	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00898	-0.14653	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF ERIE 69KV	2	0.004	-0.14155	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF FREDONIA 69KV	3.19	0.00448	-0.14203	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF GIRARD 69KV	3.6	0.00223	-0.13978	2
WERE	OXFORD 138KV	3	-0.13755	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00351	-0.14106	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF MULVANE 69KV	8.29	0.01376	-0.15131	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.0053	-0.14285	2
WERE	OXFORD 138KV	3	-0.13755	WERE	CULTON 115KV	16.55	0.0053	-0.14285	2
WERE	OXFORD 138KV	3	-0.13755	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00898	-0.14663	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	COGENTRIX 345KV	200	-0.00393	-0.13362	2
WERE	OXFORD 138KV	3	-0.13755	MIDW	COLBY 115KV	13.58022	0.00242	-0.13997	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 138KV	145	-0.00662	-0.13063	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 69KV	145	-0.00662	-0.13063	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	EASTMAN 138KV	355.2993	-0.00268	-0.13487	2
WERE	OXFORD 138KV	3	-0.13755	EMDE	ELK RIVER 345KV	149.9956	0.0098	-0.14735	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	ELLIS 69KV	6	-0.00244	-0.13511	2
WERE	OXFORD 138KV	3	-0.13755	WERE	EMPORIA ENERGY CENTER 345KV	310	0.00525	-0.13366	2
WERE	OXFORD 138KV	3	-0.13755	WERE	EVANS ENERGY CENTER 138KV	535	0.01018	-0.14773	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	FITZUGH 161KV	85	-0.00215	-0.1354	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	FLINT CREEK 161KV	400	-0.00188	-0.13567	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	FPLWIND 34KV	102	-0.01188	-0.12661	2
WERE	OXFORD 138KV	3	-0.13755	WERE	GILL ENERGY CENTER 138KV	155	0.01042	-0.14217	2
WERE	OXFORD 138KV	3	-0.13755	WERE	GILL ENERGY CENTER 69KV	75	0.00661	-0.14416	2
WERE	OXFORD 138KV	3	-0.13755	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.14053	2
WERE	OXFORD 138KV	3	-0.13755	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97567	0.00243	-0.13998	2
WERE	OXFORD 138KV	3	-0.13755	MIFU	HARPER 161KV	247	0.00428	-0.14184	2
WERE	OXFORD 138KV	3	-0.13755	WEPL	HARPER 138KV	8.48	0.00841	-0.1458	2
WERE	OXFORD 138KV	3	-0.13755	KACP	HAWTHORN 161KV	762	0.00423	-0.14178	2
WERE	OXFORD 138KV	3	-0.13755	WERE	HOLTON 115KV	12.2	0.00526	-0.14281	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	HORSESHOE LAKE 138KV	796	-0.00767	-0.12988	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	HORSESHOE LAKE 69KV	16	0.00748	-0.1307	2
WERE	OXFORD 138KV	3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.00474	-0.14229	2
WERE	OXFORD 138KV	3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.14229	2
WERE	OXFORD 138KV	3	-0.13755	KACP	IATAN 345KV	396	0.00449	-0.14204	2
WERE	OXFORD 138KV	3	-0.13755	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00535	-0.14289	2
WERE	OXFORD 138KV	3	-0.13755	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.14286	2
WERE	OXFORD 138KV	3	-0.13755	WEPL	JUDSON LARGE 115KV	92.0976	0.00299	-0.14054	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	KIOWA 345KV	2.553192	-0.00561	-0.13194	2
WERE	OXFORD 138KV	3	-0.13755	MIDW	KNOLL 115KV	42.37878	0.00403	-0.14158	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	KNOWLES 138KV	284	0.0028	-0.13485	2
WERE	OXFORD 138KV	3	-0.13755	KACP	LACYONE UNIT 345KV	958	0.00546	-0.14301	2
WERE	OXFORD 138KV	3	-0.13755	MIFU	LAKE ROAD 161KV	111	0.00404	-0.14159	2
WERE	OXFORD 138KV	3	-0.13755	MIFU	LAKE ROAD 34KV	92	0.00404	-0.14159	2
WERE	OXFORD 138KV	3	-0.13755	EMDE	LARUSSEL 161KV	106	0.00585	-0.13811	2
WERE	OXFORD 138KV	3	-0.13755	WERE	LAWRENCE ENERGY CENTER 230KV	235.1308	0.00534	-0.14289	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	LEBRON 345KV	465.3968	-0.00267	-0.13488	2
WERE	OXFORD 138KV	3	-0.13755	KACP	MARSHALL 161KV	15	0.00228	-0.14035	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	MCLAIN 138KV	470	-0.00772	-0.12983	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	MID-CONTINENT 138KV	1.133424	-0.02728	-0.13477	2
WERE	OXFORD 138KV	3	-0.13755	KACP	MONTROSE 161KV	354.2962	0.00375	-0.1413	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSKOGEE 161KV	166	-0.00344	-0.13411	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSKOGEE 345KV	1549	-0.0036	-0.13395	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSTANG 138KV	351	-0.00784	-0.12867	2
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSTANG 69KV	90	-0.008	-0.12955	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	NARROWS 69KV	22	-0.00322	-0.13433	2
WERE	OXFORD 138KV	3	-0.13755	KACY	NEARMAN 161KV	64.82487	0.00446	-0.14201	2
WERE	OXFORD 138KV	3	-0.13755	KACY	NEARMAN 20KV	234.5	0.00446	-0.14201	2
WERE	OXFORD 138KV	3	-0.13755	MIFU	NEVADA 69KV	13.3	0.0295	-0.1405	2
WERE	OXFORD 138KV	3	-0.13755	KACP	NORTHEAST 13KV	149	0.00429	-0.14184	2
WERE	OXFORD 138KV	3	-0.13755	KACP	NORTHEAST 161KV	149	0.00429	-0.14184	2
WERE	OXF								

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

WERE	OXFORD 138KV	3	-0.13755	AEPW	WELSH 345KV	1044	-0.00296	-0.13459	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	WILKES 138KV	298.144	-0.00276	-0.13479	2
WERE	OXFORD 138KV	3	-0.13755	AEPW	WILKES 345KV	308	-0.00273	-0.13483	2
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08643	3
OKGE	SOONER 345KV	3	-0.01303	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07765	3
OKGE	SOUTH 4TH ST 69KV	22.43047	-0.01619	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08081	3
WERE	ABILENE ENERGY CENTER 115KV	5.99999	0.00519	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05943	4
MIPU	MIRY 161KV	565.0533	0.00432	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06073	4
AEPW	ARSENAL HILL 69KV	110	-0.00245	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06707	4
EMDE	ASBURY 161KV	20	0.00125	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06337	4
WERE	BPU - CITY OF MCPHERSON 115KV	164.9609	0.00484	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05978	4
KACP	BULL CREEK 161KV	40	0.00473	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05989	4
WERE	CHANUTE 69KV	24.563	0.004	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06062	4
WEPL	CHARRON RIVER 115KV	1.44412	0.00217	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06245	4
WERE	CITY OF ERIE 69KV	24.53	0.004	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06062	4
WERE	CITY OF FREDONIA 69KV	7.104	0.00448	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06014	4
WERE	CITY OF GIRARD 69KV	7.11	0.00223	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06239	4
KACP	CITY OF HIGGINSVILLE 69KV	5.107727	0.00351	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06111	4
WERE	CITY OF IOLA 69KV	42.878	0.00362	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.061	4
WERE	CITY OF NEEDSHA 69KV	6.738	0.00347	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06115	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	0.00353	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05322	4
AEPW	COGENTRIX 345KV	694	-0.00393	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06855	4
MIDW	COLBY 115KV	11.41978	0.00242	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0622	4
AEPW	COMANCHE 138KV	15	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	4
AEPW	COMANCHE 69KV	3	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	4
AEPW	EASTMAN 138KV	129.7177	-0.00268	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06783	4
WERE	ELLINWOOD 115KV	2.9	0.00479	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05983	4
AEPW	ELLIS 69KV	20	-0.00244	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06706	4
WERE	EMPORIA ENERGY CENTER 345KV	123	0.00611	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05851	4
AEPW	FITZ HUGH 161KV	41	-0.00215	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06977	4
WERE	FLINT CREEK 161KV	28	-0.00188	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0665	4
AEPW	FULTON 115KV	32.99999	-0.00227	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06689	4
KACP	GARDNER 161KV	11	0.00471	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05991	4
WERE	GILL ENERGY CENTER 69KV	8	0.00661	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05801	4
KACP	HAWTHORN 161KV	39	0.00423	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06209	4
WERE	HOLTON 115KV	7.6	0.00526	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05936	4
OKGE	HORSESHOE LAKE 138KV	64	-0.00767	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07229	4
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.00474	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05988	4
WERE	HUTCHINSON ENERGY CENTER 69KV	2	0.00474	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05988	4
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00534	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05928	4
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00531	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05931	4
WEPL	JUDSON LARGE 115KV	10.9024	0.00299	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06163	4
RACY	KAU 69KV	242	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	4
21PW	KIOWA 345KV	1345.447	-0.00581	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07023	4
MIDW	KNOLL 115KV	33.54522	0.00403	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06059	4
AEPW	KNOXLEE 138KV	139	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	4
EMDE	LARUSSEL 161KV	196	0.00056	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06406	4
WERE	LAWRENCE ENERGY CENTER 230KV	33.80624	-0.00223	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05929	4
AEPW	LEBRONCK 345KV	231.6032	-0.00267	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06729	4
AEPW	LIEBERMAN 138KV	272	-0.00249	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06711	4
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00279	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06741	4
MIDW	LYONS 115KV	999	0.00481	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05981	4
KACP	MARSHALL 161KV	29.1	0.00208	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06162	4
OKGE	MCCAIN 138KV	50	-0.00772	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07234	4
AEPW	MID-CONTINENT 138KV	140.9766	-0.00278	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0674	4
KACP	MONTROSE 161KV	26.70381	0.00375	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06087	4
OKGE	MUSKOGEE 345KV	17	0.0036	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06822	4
OKGE	MUSTANG 138KV	49	-0.00794	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07226	4
OKGE	MUSTANG 69KV	15.99999	-0.008	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07262	4
AEPW	NARROWS 69KV	3	-0.00322	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06784	4
RACY	NEARMAN 161KV	15.07513	0.00446	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06016	4
AEPW	NORTH MARSHALL 69KV	5	-0.00263	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06725	4
KACP	NORTHEAST 13KV	48	0.00429	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06033	4
KACP	NORTHEAST 161KV	48	0.00429	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06033	4
AEPW	NORTHEASTERN STATION 138KV	19.99997	-0.00377	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06839	4
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00223	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06880	4
AEPW	OEC 345KV	1869.57	-0.00334	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06780	4
MIDW	oawee 115kv	999	0.00469	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05993	4
AEPW	PIRKEV GENERATION 138KV	35	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	4
KACY	QUINDARO 161KV	119.6237	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	4
KACY	QUINDARO 69KV	105	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	4
OKGE	REBUD 345KV	1089.409	-0.00755	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07217	4
MIDW	rice 115kv	999	-0.00476	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06938	4
EMDE	RIVERTON 161KV	149.1704	0.00044	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06418	4
EMDE	RIVERTON 69KV	25.30963	0.00032	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0643	4
OKGE	SEMINOLE 138KV	156.358	-0.00093	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07165	4
OKGE	SEMINOLE 345KV	10.60004	-0.00703	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07165	4
MIPU	SIBLEY 161KV	19.23239	0.00406	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06056	4
OKGE	SMITH COGEN 138KV	3	-0.00789	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07251	4
WERE	SOUTH SEMECA 115KV	8.2	0.00517	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05945	4
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	4
AEPW	SOUTHWESTERN STATION 138KV	350	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	4
EMDE	SPGCK384 13.200 345KV	37.79999	-0.00899	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07361	4
OKGE	STATE LINE 161KV	106	0.0004	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06422	4
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00574	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05988	4
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.0057	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05982	4
OKGE	TINKER 5G 138KV	1.999996	-0.00753	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07215	4
AEPW	TONTITOWN 161KV	346.12	-0.00205	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06667	4
AEPW	TULSA POWER STATION 138KV	93	-0.00394	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06856	4
AEPW	TULSA POWER STATION 69KV	80	-0.00394	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06856	4
AEPW	WEELETKA 138KV	162	-0.00501	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06963	4
AEPW	WILKES 138KV	164.856	-0.00276	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06738	4
AEPW	WILKES 345KV	3	-0.00272	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06734	4
WERE	CITY OF BURLINGTON 69KV	13.7	0.00898	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05564	5
WERE	CITY OF MULVANE 69KV	7.5	0.01376	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05086	5
WERE	EVANS ENERGY CENTER 138KV	38	0.01018	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05444	5
WERE	GILL ENERGY CENTER 138KV	84.99999	0.01042	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0542	5
WEPL	HARPER 138KV	8.72	0.00841	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05621	5
WERE	WACO 138KV	30	0.01039	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05423	5
WERE	GETTY 69KV	35	0.02568	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.03894	7
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF MULVANE 69KV	8.29	0.01376	-0.03557	7
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00898	-0.03079	8
OKGE	SOONER 138KV	5	-0.02181	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00398	-0.03079	8
OKGE	SOONER 138KV	5	-0.02181	EMDE	ELK RIVER 345KV	149.9956			

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

WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.00594	-0.29725	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	CLIFTON 115KV	65	0.00541	-0.29672	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	CLOUD COUNTY 34KV	100	0.00351	-0.29862	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00876	-0.30007	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIDW	COLBY 115KV	12.72091	0.00315	-0.29446	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	ELK RIVER 345KV	149.99699	0.0095	-0.30081	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	EMPORIA ENERGY CENTER 345KV	610	0.00627	-0.29758	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	EVANS ENERGY CENTER 138KV	308	0.00691	-0.30103	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	GILL ENERGY CENTER 138KV	165	0.00996	-0.30127	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	GILL ENERGY CENTER 69KV	75	0.00614	-0.29745	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.0037	-0.29501	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.00321	-0.29452	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	GREENWOOD 161KV	247.8	0.00436	-0.29567	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	HARPER 138KV	8.800001	0.00842	-0.29973	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	HAWTHORN 161KV	762	0.00431	-0.29562	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HOLTON 115KV	12.2	0.0055	-0.29681	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HUTCHINSON ENERGY CENTER 115KV	295	0.00703	-0.29834	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00703	-0.29834	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	IATAN 345KV	396	0.00464	-0.29595	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00568	-0.29699	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00565	-0.29696	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WEPL	JIDDSON LARGE 115KV	100.66	0.00371	-0.29502	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIDW	KNOLL 115KV	68.82206	0.00504	-0.29635	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	LACYGNE UNIT 345KV	958	0.00544	-0.29675	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	LAKE ROAD 161KV	111	0.00416	-0.29547	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	LAKE ROAD 34KV	192	0.00416	-0.29547	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	LARUSSEL 161KV	100	0.0005	-0.29181	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	LAWRENCE ENERGY CENTER 230KV	238.0081	0.00552	-0.29683	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	MARSHALL 161KV	15	0.00286	-0.29417	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	MONTELEONE 161KV	355.1812	0.00381	-0.29512	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	NEARMAN 161KV	65.02057	0.00455	-0.29586	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	NEARMAN 20KV	234.5	0.00455	-0.29586	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	NEVADA 69KV	18.3	0.00298	-0.29429	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	NORTHEAST 138KV	149	0.00438	-0.29569	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	NORTHEAST 161KV	149	0.00438	-0.29569	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	OZARK BEACH 161KV	16	0.0001	-0.29141	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00424	-0.29555	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	QUINDARO 161KV	117.2767	0.00455	-0.29586	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	KACY	QUINDARO 69KV	72	0.00454	-0.29586	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	RALPH GREEN 69KV	71.7	0.00431	-0.29562	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	RIVERTON 161KV	66	0.00307	-0.29168	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	RIVERTON 69KV	43.29102	0.00024	-0.29155	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	SIBLEY 161KV	231.7419	0.00414	-0.29546	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	SIBLEY 69KV	45.99999	0.00217	-0.29546	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	SMOKEY HILLS 34KV	51	0.00572	-0.29703	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	SOUTH HARPER 161KV	315	0.00465	-0.29596	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	SOUTH SENECA 115KV	8.5	0.0054	-0.29671	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	EMDE	STATE LINE 161KV	488.22026	0.0032	-0.29163	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00597	-0.29728	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	MIFU	TWA 161KV	28.1	0.0044	-0.29571	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	AES 161KV	320	-0.00257	-0.28874	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	CENTENAL WIND 34KV	120	-0.01107	-0.28924	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	COGENTRIX 345KV	200	-0.00403	-0.28728	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	COMANCHE 138KV	145	-0.007	-0.28431	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	COMANCHE 69KV	60	-0.007	-0.28431	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	EASTMAN 138KV	355.5281	-0.00273	-0.28858	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	ELLIS 69KV	5.6	-0.00251	-0.2888	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	FITZHUGH 161KV	109	-0.0022	-0.28911	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	FLINT CREEK 161KV	400	-0.00196	-0.28935	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	FPLWIND2 34KV	102	-0.01121	-0.2801	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	HORSESHOE LAKE 138KV	796	-0.00779	-0.28352	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	HORSESHOE LAKE 69KV	16	-0.0078	-0.28371	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	KNOXLEE 138KV	294	-0.00271	-0.2886	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	LEBROCK 345KV	316.1569	-0.00272	-0.28859	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MCCLAIN 138KV	470	-0.00785	-0.28346	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSKOGEE 161KV	166	-0.00353	-0.28778	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSKOGEE 345KV	1548	-0.00369	-0.28762	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSTANG 138KV	351	-0.00808	-0.28323	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	MUSTANG 69KV	90	-0.00813	-0.28318	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	NARROWS 69KV	22	-0.00328	-0.28803	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	NORTHEASTERN STATION 138KV	49	-0.00368	-0.28743	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	NORTHEASTERN STATION 345KV	625	-0.00233	-0.28988	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	DEC 345KV	283.979	-0.0035	-0.28781	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	PIRKEY GENERATION 138KV	243	-0.00271	-0.2886	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	REDBUD 345KV	118.7524	-0.00768	-0.28363	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SEMINOLE 138KV	354.7204	-0.00765	-0.28426	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SEMINOLE 345KV	1019	-0.00715	-0.28416	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SMITH COGEN 138KV	107	-0.00802	-0.28329	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SOONER 345KV	537	-0.01322	-0.27809	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SOUTH 4TH ST 69KV	17.3252	-0.01637	-0.27944	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00716	-0.28415	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	SOUTHWESTERN STATION 345KV	712	-0.00716	-0.28415	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SPGK182 13.200 345KV	60	-0.00913	-0.28218	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	TINKER 93 138KV	80	-0.00766	-0.28365	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	TULSA POWER STATION 138KV	299	-0.00404	-0.29127	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	WEATHERFORD 34KV	148	-0.00753	-0.28378	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	WELSH 345KV	1044	-0.00301	-0.2883	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	WILKES 138KV	397.0064	-0.00281	-0.2885	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	AEWP	WILKES 69KV	89	-0.00277	-0.28854	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.29131	OKGE	SOONER 138KV	535	-0.02199	-0.26932	17
OKGE	SOUTH 4TH ST 69KV	25.37481	-0.01637	WERE	CITY OF AUGUSTA 69KV	20.02	0.06425	-0.08062	56

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: CRESWELL - OAK 69KV CKT 1
 Flowgate: 2007AG1AFS41T1985509SP
 Date Redispatch Needed: Starting 2009 8/11 - 10/1 Unrel EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.04	0.2
1222932	0.1	0.2
1222943	0.1	0.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WEPL	A. M. MULLERGEN GENERATOR 115KV	83	0.00205	-0.35029	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	ABILENE ENERGY CENTER 115KV	40	0.00267	-0.35091	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	AES 161KV	320	-0.00119	-0.34705	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	EMDE	ASBURY 161KV	191	0.00059	-0.34883	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	BPU - CITY OF MCPHERSON 115KV	48.56152	0.00277	-0.35101	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	BULL CREEK 161KV	308	0.00705	-0.35045	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	CENTENAL WIND 34KV	16	-0.00518	-0.34306	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CHANUTE 69KV	56.037	0.00228	-0.35052	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CITY OF AUGUSTA 69KV	20.02	0.06235	-0.40059	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CITY OF BURLINGTON 69KV	10048.25	0.004	-0.35224	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CITY OF ERIE 69KV	2	0.00228	-0.35052	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CITY OF FREDONIA 69KV	3.19	0.00263	-0.35087	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	CITY OF GIRARD 69KV	3.6	0.00111	-0.34935	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00165	-0.34969	1
WERE	CITY OF WIN								

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

WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	EVANS ENERGY CENTER 138KV	535	0.00372	-0.35196	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	FITZHUGH 161KV	109	-0.0101	-0.34723	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	FULTON 115KV	400	-0.0088	-0.34778	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	FRLWIND2 34KV	8	-0.00525	-0.34299	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	GILL ENERGY CENTER 138KV	155	0.00248	-0.35072	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	GILL ENERGY CENTER 69KV	75	0.00045	-0.34869	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	GRAY COUNTY WIND FARM 115KV	36	0.0135	-0.34959	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.01255	-0.34894	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	GREENWOOD 161KV	68.79993	0.00201	-0.35025	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WEPL	HARPER 138KV	8.600001	0.00231	-0.35055	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	HAWTHORN 161KV	762	0.0199	-0.35023	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	HOLTON 115KV	12.2	0.0259	-0.35478	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	HORSESHOE LAKE 138KV	796	-0.00364	-0.3446	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	HORSESHOE LAKE 69KV	16	-0.00355	-0.34469	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.00298	-0.35122	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00298	-0.35122	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	ITAN 348KV	396	0.0213	-0.35037	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00258	-0.35082	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00257	-0.35081	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WEPL	JUDSON LARGE 115KV	96.60031	0.0136	-0.3496	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIDW	KNOLL 115KV	69.55067	0.0214	-0.35338	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	KNOXLEE 138KV	284	-0.00126	-0.34698	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	LACYGNE UNIT 345KV	958	0.00251	-0.35075	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	LAKE ROAD 161KV	36	0.0191	-0.35015	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	LAKE ROAD 34KV	92	0.0191	-0.35015	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	LARUSSEL 161KV	106	0.00027	-0.34861	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	LAWRENCE ENERGY CENTER 230KV	233.788	0.00255	-0.35079	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	LEBROCK 345KV	315	-0.00127	-0.34697	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	MARSHALL 161KV	115	0.0132	-0.34956	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	MCLAIN 138KV	476	-0.00367	-0.34457	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	MONTROSE 161KV	355.8243	0.0176	-0.35	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	MUSKOGEE 161KV	166	-0.00162	-0.34662	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	MUSKOGEE 345KV	1548	-0.0017	-0.34654	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	MUSTANG 138KV	351	-0.00378	-0.34446	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	MUSTANG 69KV	90	-0.00381	-0.34443	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	NARROWS 69KV	22	-0.00153	-0.34671	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACY	NEARMAN 161KV	38.6304	0.0021	-0.35034	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACY	NEARMAN 20KV	235	0.0021	-0.35034	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	NORTHEAST 138KV	110	0.00291	-0.35026	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	NORTHEAST 161KV	105.5019	0.00201	-0.35025	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	NORTHEASTERN STATION 138KV	488	-0.00175	-0.34649	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	NORTHEASTERN STATION 345KV	625	-0.00105	-0.34719	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	OC 345KV	369	-0.0016	-0.34664	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	EMDE	OZARK BEACH 161KV	119	0.0035	-0.34483	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0197	-0.35021	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	PIRKEY GENERATION 138KV	243	-0.00126	-0.34698	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	QUINDARO 161KV	118.0599	0.00209	-0.35033	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	QUINDARO 69KV	110	0.00209	-0.35033	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	REBDUD 345KV	250	-0.00359	-0.34465	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	EMDE	RIVERTON 161KV	164.7548	0.00021	-0.34845	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	EMDE	RIVERTON 69KV	42.86727	0.00015	-0.34839	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SEMINOLE 138KV	497.1523	-0.0033	-0.34494	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	KACP	SEMINOL 345KV	1019	-0.00334	-0.34449	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	SIBLEY 161KV	231.5042	0.0019	-0.35014	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	SIBLEY 69KV	45.99999	0.00192	-0.35016	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SMITH COGEN 138KV	107	-0.00375	-0.34449	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	SMOKEY HILLS 34KV	76	0.00249	-0.35073	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	SOONER 138KV	536	-0.0102	-0.34441	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SOONER 345KV	537	-0.00618	-0.34206	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SOUTH 4TH ST 69KV	37	-0.00763	-0.34061	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	MIPU	SOUTH HARPER 161KV	315	0.00214	-0.35038	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	SOUTH SENECA 115KV	8.5	0.00289	-0.35063	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00336	-0.34488	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	SOUTHWESTERN STATION 138KV	712	-0.00336	-0.34488	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SPGCK182 13.200 345KV	78	-0.00428	-0.34396	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	SPGCK34 13.200 345KV	37	-0.00428	-0.34396	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	STATE LINE 161KV	530	0.00012	-0.34483	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00282	-0.35106	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	TINKER 5G 138KV	60	-0.00358	-0.34466	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	TULSA POWER STATION 138KV	274	-0.00185	-0.34639	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	WEATHERFORD 34KV	10	-0.0036	-0.34447	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	WELSH 345KV	1044	-0.0014	-0.34684	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	WILKES 138KV	412.7124	-0.00131	-0.34693	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	AEWP	WILKES 24KV	308	-0.00129	-0.34695	1
WERE	CITY OF WINFIELD 69KV	27.30999	-0.34824	OKGE	WOODWARD 24KV	10	-0.00618	-0.34396	1
AEWP	ARSENAL HILL 69KV	110	-0.00116	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05351	4
AEWP	ASBURY 161KV	20	0.00059	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05176	4
WEPL	COMARRON RIVER 115KV	47	0.00106	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05129	4
WERE	CITY OF GIRARD 69KV	7.1	-0.0011	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05124	4
KACP	CITY OF HIGGINSVILLE 69KV	5.0884	0.00165	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.0507	4
AEWP	COGENTRIX 345KV	179	-0.00186	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05421	4
MIDW	COLBY 115KV	12.25539	0.00131	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05104	4
AEWP	COMANCHE 138KV	15	-0.00329	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05094	4
AEWP	COMANCHE 69KV	3	-0.00329	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05084	4
AEWP	EASTMAN 138KV	130.01	-0.00127	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05362	4
AEWP	ELLIS 69KV	19.4	-0.00115	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.0535	4
AEWP	FITZHUGH 161KV	17	-0.00101	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05336	4
AEWP	FULTON 115KV	28	-0.00088	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05323	4
AEWP	GILL ENERGY CENTER 69KV	32.99999	-0.00108	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05343	4
WERE	GILL ENERGY CENTER 69KV	8	0.00045	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.0519	4
OKGE	HORSESHOE LAKE 138KV	64	-0.00364	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05599	4
WEPL	JUDSON LARGE 115KV	6.399689	0.00136	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05099	4
AEWP	KIOWA 345KV	1348	-0.00287	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05402	4
AEWP	KNOXLEE 138KV	139	-0.00126	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05361	4
MIPU	LAKE ROAD 161KV	91	0.00191	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05044	4
EMDE	LARUSSEL 161KV	196	0.00027	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05208	4
AEWP	LEBROCK 345KV	380	-0.00127	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05362	4
AEWP	LIEBERMAN 138KV	272	-0.00116	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05353	4
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00132	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05367	4
KACP	MARSHALL 161KV	39.1	0.00132	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05103	4
OKGE	MCLAIN 138KV	50	-0.00367	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05062	4
AEWP	MID-CONTINENT 138KV	142.11	-0.0013	WERE	CITY OF AUGUSTA 69KV	20.02	0.02625	-0.05365	4
KACP	MONTROSE 161KV	25.17574							

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

MIPU	ARIES 161KV	595	0.00202	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05033	5
WERE	BPU - CITY OF MCPHERSON 115KV	163.4885	0.00277	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04958	5
WERE	KACP	105	0.00221	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04914	5
WERE	CHANUTE 69KV	24.563	0.00228	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05007	5
WERE	CITY OF BURLINGTON 69KV	13.7	0.004	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04835	5
WERE	CITY OF ERIE 69KV	24.53	0.00228	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05007	5
WERE	CITY OF FREDONIA 69KV	7.104	0.00263	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04972	5
WERE	CITY OF IOLA 69KV	42.878	0.002	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05035	5
WERE	CITY OF MULVANE 69KV	7.5	0.00333	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04902	5
WERE	CITY OF NEEDSHA 69KV	6.738	0.00207	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05028	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04969	5
WEPL	CLIFTON 115KV	13.18616	0.00248	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04916	5
WERE	ELLINWOOD 115KV	2.9	0.00288	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04946	5
WERE	EMPORIA ENERGY CENTER 345KV	201	0.00281	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04954	5
WERE	EVANS ENERGY CENTER 138KV	38	0.00372	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04863	5
KACP	GARDNER 161KV	111	0.0022	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05015	5
WERE	GILL ENERGY CENTER 138KV	84.99999	0.00248	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04987	5
MIPU	GREENWOOD 161KV	183.0001	0.00201	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05034	5
WEPL	HARPER 138KV	8.609999	0.00231	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05004	5
KACP	HAWTHORN 161KV	39	0.00199	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05036	5
WERE	HOLTON 115KV	7.8	0.00259	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04976	5
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.00236	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04937	5
WERE	HUTCHINSON ENERGY CENTER 69KV	2	0.00298	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04937	5
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00259	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04977	5
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00257	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04978	5
KACY	KAWY 69KV	242	0.00239	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05026	5
MIDW	KNOLL 115KV	6.37334	0.00214	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05021	5
WERE	LAWRENCE ENERGY CENTER 230KV	35.21198	0.00255	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04988	5
MIDW	LYONS 115KV	999	0.00286	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04949	5
KACY	NEARMAN 161KV	41.3698	0.0021	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05025	5
KACP	NORTHEAST 13KV	87	0.00201	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05034	5
KACP	NORTHEAST 161KV	111.4981	0.00201	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05034	5
MIDW	PAWNEE 115KV	999	0.00229	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05006	5
KACY	QUINDARO 161KV	118.9441	0.00209	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05026	5
KACY	QUINDARO 69KV	105	0.00209	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05026	5
WERE	SOUTH SENECA 115KV	8.2	0.00259	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04976	5
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00282	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04953	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00208	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04955	5
MIPU	TWA 161KV	32.11	0.00203	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.05032	5
WERE	WACO 138KV	30	0.00261	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.04974	5
WERE	GETTY 69KV	35	0.01694	WERE	CITY OF AUGUSTA 69KV	20.02	0.05235	-0.03541	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00205	-0.03789	6
WERE	OXFORD 138KV	3	-0.03584	WERE	ABILENE ENERGY CENTER 115KV	40	0.00267	-0.03851	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	KSBIR 161KV	191	0.00259	-0.03843	6
WERE	OXFORD 138KV	3	-0.03584	WERE	BPU - CITY OF MCPHERSON 115KV	48.56152	0.00277	-0.03861	6
WERE	OXFORD 138KV	3	-0.03584	KACP	BULL CREEK 161KV	308	0.00221	-0.03805	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CHANUTE 69KV	86.037	0.00228	-0.03812	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00228	-0.03812	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CITY OF ERIE 69KV	2	0.00228	-0.03812	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CITY OF FREDONIA 69KV	3.19	0.00263	-0.03847	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CITY OF GIRARD 69KV	3.6	0.00111	-0.03695	6
WERE	OXFORD 138KV	3	-0.03584	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.01165	-0.03749	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CITY OF MULVANE 69KV	8.29	0.00333	-0.03817	6
WERE	OXFORD 138KV	3	-0.03584	WERE	CLAY CENTER JUNCTION 115KV	16.55	0.00266	-0.0385	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	CLIFTON 115KV	51.81384	0.00248	-0.03832	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	CLOUD COUNTY 34KV	100	0.00249	-0.03833	6
WERE	OXFORD 138KV	3	-0.03584	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.004	-0.03838	6
WERE	OXFORD 138KV	3	-0.03584	MIDW	COLBY 115KV	12.74461	0.00131	-0.03715	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	ELK RIVER 345KV	44.93687	0.0043	-0.04014	6
WERE	OXFORD 138KV	3	-0.03584	WERE	EMPORIA ENERGY CENTER 345KV	610	0.00281	-0.03865	6
WERE	OXFORD 138KV	3	-0.03584	WERE	EVANS ENERGY CENTER 138KV	535	0.00372	-0.03956	6
WERE	OXFORD 138KV	3	-0.03584	AEPWP	FLINT CREEK 161KV	100	0.00288	-0.03946	6
WERE	OXFORD 138KV	3	-0.03584	WERE	GILL ENERGY CENTER 138KV	155	0.00248	-0.03832	6
WERE	OXFORD 138KV	3	-0.03584	WERE	GILL ENERGY CENTER 69KV	75	0.00045	-0.03629	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00135	-0.03719	6
WERE	OXFORD 138KV	3	-0.03584	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.87778	0.00125	-0.03709	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	68.72902	0.00291	-0.03785	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	HARPER 138KV	8.600001	0.00231	-0.03815	6
WERE	OXFORD 138KV	3	-0.03584	KACP	HAWTHORN 161KV	762	0.00199	-0.03783	6
WERE	OXFORD 138KV	3	-0.03584	WERE	HOLTON 115KV	12.2	0.00259	-0.03843	6
WERE	OXFORD 138KV	3	-0.03584	WERE	HUTCHINSON ENERGY CENTER 115KV	205	0.00236	-0.0385	6
WERE	OXFORD 138KV	3	-0.03584	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00298	-0.03885	6
WERE	OXFORD 138KV	3	-0.03584	KACP	IATAN 345KV	396	0.00213	-0.03797	6
WERE	OXFORD 138KV	3	-0.03584	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00258	-0.03842	6
WERE	OXFORD 138KV	3	-0.03584	WERE	JEFFREY ENERGY CENTER 345KV	540	0.00257	-0.03841	6
WERE	OXFORD 138KV	3	-0.03584	WEPL	JUDSON LARGE 115KV	96.60031	0.00136	-0.03712	6
WERE	OXFORD 138KV	3	-0.03584	MIDW	KNOLL 115KV	69.55067	0.00214	-0.03798	6
WERE	OXFORD 138KV	3	-0.03584	KACP	LACYGNE UNIT 345KV	958	0.00251	-0.03835	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	LAKE ROAD 161KV	35	0.00191	-0.03775	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	LAKE ROAD 34KV	20	0.0018	-0.03775	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	LARUSSEL 161KV	100	0.00027	-0.03611	6
WERE	OXFORD 138KV	3	-0.03584	WERE	LAWRENCE ENERGY CENTER 230KV	233.78	0.00255	-0.03839	6
WERE	OXFORD 138KV	3	-0.03584	KACP	MARSHALL 161KV	15	0.00132	-0.03716	6
WERE	OXFORD 138KV	3	-0.03584	KACP	MONTROUSE 161KV	355.8243	0.00176	-0.0376	6
WERE	OXFORD 138KV	3	-0.03584	KACP	NEARMAN 161KV	39.6304	0.0021	-0.03794	6
WERE	OXFORD 138KV	3	-0.03584	KACY	NEARMAN 20KV	235	0.0021	-0.03794	6
WERE	OXFORD 138KV	3	-0.03584	KACP	NORTHEAST 13KV	110	0.00201	-0.03785	6
WERE	OXFORD 138KV	3	-0.03584	KACP	NORTHEAST 161KV	105.0199	0.00201	-0.03785	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	OZARK BEACH 160KV	61	0.00297	-0.03859	6
WERE	OXFORD 138KV	3	-0.03584	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00197	-0.03781	6
WERE	OXFORD 138KV	3	-0.03584	KACY	QUINDARO 161KV	118.0559	0.00209	-0.03793	6
WERE	OXFORD 138KV	3	-0.03584	KACY	QUINDARO 69KV	72	0.00209	-0.03793	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	RIVERTON 161KV	164.7548	0.00021	-0.03605	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	RIVERTON 69KV	42.8727	0.00175	-0.03699	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	SIBLEY 161KV	231.5042	0.0019	-0.03774	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	SIBLEY 69KV	45.99999	0.00192	-0.03776	6
WERE	OXFORD 138KV	3	-0.03584	WERE	SMOKEY HILLS 34KV	76	0.00249	-0.03833	6
WERE	OXFORD 138KV	3	-0.03584	MIPU	SOUTH HARPER 161KV	315	0.00214	-0.03798	6
WERE	OXFORD 138KV	3	-0.03584	WERE	SOUTH SENECA 115KV	8.5	0.00259	-0.03843	6
WERE	OXFORD 138KV	3	-0.03584	EMDE	STATE LINE 161KV	532	0.00019	-0.03603	6
WERE	OXFORD 138KV	3	-0.03584	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00282	-0.03866	6
WERE	OXFORD 138KV	3	-0.03584	OKGE	AES 161KV	320	-0.00119	-0.03465	7
WERE	OXFORD 138KV	3	-0.03584	OKGE	CENTRAL WIND 34KV	16	-0.00518	-0.03266	7
WERE	OXFORD 138KV	3	-0.03584	AEPWP	COGENTRIX 345KV	965	-0.00186	-0.03398	7
WERE	OXFORD 138KV	3	-0.03584	AEPWP	COMANCHE 138KV	145	-0.00329	-0.03255	7
WERE	OXFORD 138KV	3	-0.03584	AEPWP	COMANCHE 69KV	60	-0.00329	-0	

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.35565	2
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	A. M. MULLERGEREN GENERATOR 115KV	51.68445	0.00388	-0.29491	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	AES 161KV	320	-0.00251	-0.28852	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ASBURY 161KV	191	0.00125	-0.29228	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	BULL CREEK 161KV	17.88281	0.00473	-0.29576	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	CENTRAL WIND 34KV	120	-0.00394	-0.28769	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CHANUTE 69KV	47.15	0.004	-0.29503	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00898	-0.30001	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF ERIE 69KV	2	0.004	-0.29503	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ELK RIVER 345KV	5.499	0.01376	-0.30479	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.0053	-0.29633	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	CLOUD COUNTY 34KV	100	0.0051	-0.29613	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.30001	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COGENTRIX 345KV	200	-0.00393	-0.2971	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	COLBY 115KV	10,972.6	0.00242	-0.29345	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 138KV	145	-0.00692	-0.28411	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 69KV	20	-0.00692	-0.28411	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	EASTMAN 138KV	355	-0.00268	-0.28835	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ELK RIVER 345KV	150	0.0098	-0.30063	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	ELLIS 69KV	6	-0.00244	-0.28859	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	EVANS ENERGY CENTER 138KV	415	0.01018	-0.30121	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FITZLUUGH 161KV	5,999,999	-0.00215	-0.28888	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FLINT CREEK 161KV	400	-0.00188	-0.29515	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	FT WIND 34KV	102	-0.01168	-0.27985	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GILL ENERGY CENTER 138KV	108.1931	0.01042	-0.30145	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.29401	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22,975.07	0.00243	-0.29346	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	GREENWOOD 161KV	87.2594	0.00429	-0.29443	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	HARPER 138KV	3.68	0.00841	-0.29344	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	HAWTHORN 161KV	762	0.00422	-0.29525	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HOLTON 115KV	6	0.00526	-0.29629	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.28355	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HITCHCOCK ENERGY CENTER 115KV	185	0.00474	-0.29577	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.29637	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.29634	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	JUDSON LARGE 115KV	74,196.46	0.00299	-0.29402	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	KNOWLES 138KV	42	-0.00266	-0.28837	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	LACYGNE UNIT 345KV	958	0.00546	-0.29301	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 161KV	35	0.00404	-0.29507	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 34KV	92	0.00404	-0.29507	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	LARUSSEL 161KV	100	0.00596	-0.29159	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	LAWRENCE ENERGY CENTER 230KV	234.4074	0.00534	-0.29567	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	LEBRONCK 345KV	315	-0.00267	-0.28836	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MARSHALL 161KV	15	0.0028	-0.29383	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MCCLAIN 138KV	470	-0.00772	-0.28331	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MONTROSE 161KV	354.8049	0.00375	-0.29478	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSKOGEE 161KV	138	0.00445	-0.28743	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSKOGEE 345KV	1548	-0.0036	-0.28743	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSTANG 138KV	160	-0.00794	-0.28309	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	NEARMAN 20KV	234.5	0.00446	-0.29549	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 138KV	23	-0.00377	-0.29726	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.28838	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	DEC 345KV	269	-0.0034	-0.28763	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	OZARK BEACH 161KV	16	0.00015	-0.29118	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	PIRKES GENERATION 138KV	213	-0.00266	-0.28837	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	QUINDARO 161KV	34,826.56	0.00445	-0.29548	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	QUINDARO 69KV	50,791.56	0.00445	-0.29548	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	REDBUD 345KV	100	-0.00755	-0.28348	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 161KV	35	0.00444	-0.29147	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 69KV	45,521.35	0.0032	-0.29125	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 138KV	280.0255	-0.00683	-0.2941	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 345KV	528.8701	-0.00703	-0.284	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 161KV	232.8303	0.00405	-0.29508	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 69KV	45,999.99	0.00408	-0.29511	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SMITH COGEN 138KV	107	-0.00781	-0.29314	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.29576	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 138KV	535	-0.02181	-0.26922	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 345KV	537	-0.01303	-0.278	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SOUTH HARPER 161KV	315	0.00458	-0.29561	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SOUTH SENECA 115KV	4	0.00516	-0.29619	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	54	-0.00707	-0.28396	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	83	-0.00707	-0.28396	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	STATE LINE 161KV	153,903.93	0.0004	-0.29143	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	TETCHEMSEN ENERGY CENTER 115KV	103	0.00574	-0.29577	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.28357	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WELSH 345KV	1044	-0.00296	-0.28807	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 138KV	38,385.74	-0.00276	-0.28827	3
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 345KV	55,275.42	-0.00272	-0.28827	3
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.20217	4
WERE	OXFORD 138KV	3	-0.13755	WEPL	A. M. MULLERGEREN GENERATOR 115KV	51.68445	0.00388	-0.14143	6
WERE	OXFORD 138KV	3	-0.13755	OKGE	AES 161KV	320	-0.00251	-0.13504	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	ASBURY 161KV	191	0.00125	-0.1388	6
WERE	OXFORD 138KV	3	-0.13755	KACP	BULL CREEK 161KV	17.88281	0.00473	-0.14228	6
WERE	OXFORD 138KV	3	-0.13755	WERE	CHANUTE 69KV	47.15	0.004	-0.14155	6
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00898	-0.14653	6
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF ERIE 69KV	2	0.004	-0.14155	6
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF MULVANE 69KV	5.499	0.01376	-0.15131	6
WERE	OXFORD 138KV	3	-0.13755	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.0053	-0.14285	6
WERE	OXFORD 138KV	3	-0.13755	WEPL	CLOUD COUNTY 34KV	100	0.0051	-0.14265	6
WERE	OXFORD 138KV	3	-0.13755	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.14653	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	COGENTRIX 345KV	200	-0.00393	-0.13362	6
WERE	OXFORD 138KV	3	-0.13755	MIDW	COLBY 115KV	10,972.6	0.00242	-0.13997	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 138KV	145	-0.00692	-0.13487	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	ELK RIVER 345KV	150	0.0098	-0.14735	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	ELLIS 69KV	6	-0.00244	-0.13511	6
WERE	OXFORD 138KV	3	-0.13755	WERE	EVANS ENERGY CENTER 138KV	415	0.01018	-0.14773	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	FITZLUUGH 161KV	5,999,999	-0.00215	-0.1364	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	FLINT CREEK 161KV	400	-0.00188	-0.13567	6
WERE	OXFORD 138KV	3	-0.13755	WERE	GILL ENERGY CENTER 138KV	108.1931	0.01042	-0.14797	6
WERE	OXFORD 138KV	3	-0.13755	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.14053	6
WERE	OXFORD 138KV	3	-0.13755	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22,975.07	0.00243	-0.14056	6
WERE	OXFORD 138KV	3	-0.13755	MIPU	GREENWOOD 161KV	87.2594	0.00429	-0.14184	6
WERE	OXFORD 138KV	3	-0.13755	WEPL	HARPER 138KV	3.68	0.00841	-0.14596	6
WERE	OXFORD 138KV	3	-0.13755	KACP	HAWTHORN 161KV	762	0.00422	-0.14177	6
WERE	OXFORD 138KV	3	-0.13755	WERE	HOLTON 115KV	6	0.00526	-0.14281	6
WERE	OXFORD 138KV	3	-0.13755	OKGE	HITCHCOCK ENERGY CENTER 115KV				

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

WERE	OXFORD 138KV	3	-0.13755	OKGKE	MUSKOGEE 161KV	138	-0.00344	-0.13411	6
WERE	OXFORD 138KV	3	-0.13755	OKGKE	MUSKOGEE 345KV	1548	-0.0036	-0.13395	6
WERE	OXFORD 138KV	3	-0.13755	KACY	NEARMAK 138KV	231.5	0.00446	-0.14201	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	NORTHEASTERN STATION 345KV	310	-0.00377	-0.13378	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	NORTHEASTERN STATION 138KV	625	-0.00223	-0.13532	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	OEC 345KV	269	-0.0034	-0.13415	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	OZARK BEACH 161KV	16	0.00015	-0.1337	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	PIRKEY GENERATION 138KV	213	-0.00268	-0.13489	6
WERE	OXFORD 138KV	3	-0.13755	KACY	QUINDARO 161KV	34.82636	0.00445	-0.142	6
WERE	OXFORD 138KV	3	-0.13755	KACY	QUINDARO 69KV	50.79156	0.00445	-0.142	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	RIVERTON 161KV	35	0.00044	-0.13379	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	RIVERTON 69KV	45.62135	0.00032	-0.13378	6
WERE	OXFORD 138KV	3	-0.13755	MIPU	SIBLEY 161KV	232.83035	0.00405	-0.1416	6
WERE	OXFORD 138KV	3	-0.13755	MIPU	SIBLEY 69KV	45.99999	0.00408	-0.14163	6
WERE	OXFORD 138KV	3	-0.13755	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.14228	6
WERE	OXFORD 138KV	3	-0.13755	MIPU	SOUTH HARPER 161KV	315	0.00458	-0.14213	6
WERE	OXFORD 138KV	3	-0.13755	WERE	SOUTH SENECA 115KV	4	0.00516	-0.14271	6
WERE	OXFORD 138KV	3	-0.13755	EMDE	STATE LINE 161KV	153.9043	0.0004	-0.13795	6
WERE	OXFORD 138KV	3	-0.13755	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00574	-0.14329	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	WELSH 345KV	1044	-0.00296	-0.13459	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	WILKES 138KV	38.38574	-0.00278	-0.13478	6
WERE	OXFORD 138KV	3	-0.13755	AEPW	WILKES 345KV	55.27102	-0.00272	-0.13483	6
WERE	OXFORD 138KV	3	-0.13755	OKGKE	CENTENIAL WIND 34KV	120	-0.01094	-0.12861	7
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 138KV	145	-0.00692	-0.13063	7
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 69KV	20	-0.00682	-0.13063	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	FRYLAND 345KV	102	-0.01108	-0.12457	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	HORSESHOE LAKE 69KV	16	-0.00748	-0.13007	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	MCLLAIN 138KV	470	-0.00772	-0.12983	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	MUSTANG 138KV	160	-0.00794	-0.12961	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	REDBUD 345KV	100	-0.00785	-0.13	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	SEMINOLE 138KV	280.02555	-0.00693	-0.13062	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	SEMINOLE 345KV	528.8701	-0.00703	-0.13052	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	SMITH COGEN 138KV	107	-0.00789	-0.12966	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	SOONER 138KV	535	-0.02181	-0.11574	7
WERE	OXFORD 138KV	3	-0.13755	OKGKE	SOONER 345KV	537	-0.01303	-0.12452	7
WERE	OXFORD 138KV	3	-0.13755	AEPW	SOUTHWESTERN STATION 138KV	54	-0.00707	-0.13048	7
WERE	OXFORD 138KV	3	-0.13755	AEPW	SOUTHWESTERN STATION 138KV	83	-0.00707	-0.13048	7
WERE	OXFORD 138KV	3	-0.13755	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.13009	7
OKGKE	SOONER 138KV	5	-0.02181	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.08843	10
OKGKE	SOUTH 4TH ST 69KV	42.7	-0.01619	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.08801	11
AEPW	COMANCHE 138KV	15	-0.00692	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07154	12
AEPW	COMANCHE 69KV	43	-0.00692	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07154	12
OKGKE	HORSESHOE LAKE 138KV	860	-0.00767	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07229	12
AEPW	KIOWA 345KV	1348	-0.00581	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07023	12
OKGKE	MCLLAIN 138KV	50	-0.00772	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07234	12
OKGKE	MUSTANG 138KV	205.5	-0.00794	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07256	12
OKGKE	MUSTANG 69KV	106	-0.008	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07262	12
AEPW	REDBUD 345KV	1100	-0.00755	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07217	12
MIDW	rice 115KV	999	-0.00476	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06938	12
OKGKE	SEMINOLE 138KV	224.9745	-0.00693	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07155	12
OKGKE	SEMINOLE 345KV	500.7299	-0.00703	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07165	12
AEPW	SOUTHWESTERN STATION 138KV	384	-0.00707	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07169	12
AEPW	SPGCK1&2 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07361	12
OKGKE	SPGCK3&4 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07361	12
OKGKE	TINKER 50 138KV	62	-0.00753	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.07215	12
AEPW	WEELETKA 138KV	162	-0.00501	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06963	12
AEPW	ARSENAL HILL 69KV	110	-0.00245	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06863	12
AEPW	COGENTRIX 345KV	694	-0.00393	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06855	13
AEPW	EASTMAN 138KV	130.01	-0.00268	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.0673	13
AEPW	ELLIS 69KV	20	-0.00244	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06706	13
AEPW	FITZHUGH 161KV	159	-0.00215	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06677	13
AEPW	FLINT CREEK 161KV	28	-0.00188	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.0665	13
AEPW	FULTON 115KV	153	-0.00227	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06689	13
AEPW	KNOXLEE 138KV	381	-0.00266	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06728	13
AEPW	LEBRONCK 345KV	382	-0.00267	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06729	13
AEPW	LIEBERMAN 138KV	272	-0.00249	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06711	13
AEPW	LONGSTAR POWER PLANT 69KV	50	-0.00279	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06741	13
AEPW	MID-CONTINENT 138KV	142.11	-0.00278	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.0674	13
OKGKE	MUSKOGEE 161KV	28	-0.00344	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06806	13
OKGKE	MUSKOGEE 345KV	177	-0.00338	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06822	13
AEPW	NARROWS 69KV	30	-0.00322	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06784	13
AEPW	NORTH MARSHALL 69KV	5	-0.00263	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06725	13
AEPW	NORTHEASTERN STATION 138KV	198	-0.00377	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06839	13
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00223	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06865	13
AEPW	OEC 345KV	1878.03	-0.00334	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06820	13
AEPW	PIRKEY GENERATION 138KV	75	-0.00266	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06728	13
EMDE	RIVERTON 161KV	250	0.00044	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06418	13
EMDE	RIVERTON 69KV	22.47865	0.00032	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06413	13
EMDE	STATE LINE 161KV	452.0957	0.0004	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06422	13
AEPW	TONTOWN 161KV	346.12	-0.00205	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06567	13
AEPW	TULSA POWER STATION 138KV	307	-0.00394	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06856	13
AEPW	TULSA POWER STATION 69KV	80	-0.00394	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06856	13
AEPW	WILKES 138KV	449.8143	-0.00276	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06738	13
AEPW	WILKES 345KV	265.729	-0.00272	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06734	13
WEPL	A. M. MULLERGREEN GENERATOR 115KV	11.31555	0.00388	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06074	14
MIPU	ARIES 161KV	595	0.00432	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06003	14
EMDE	ASBURY 161KV	20	0.00125	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06337	14
WERE	ATLANTA CITY 69KV	233	0.00484	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05978	14
KACP	BULL CREEK 161KV	395.1772	0.00473	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05989	14
WERE	CHANUTE 69KV	33.45	0.004	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06062	14
WEPL	CIMARRON RIVER 115KV	72	0.00217	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06245	14
WERE	CITY OF ERIE 69KV	24.53	0.004	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06062	14
WERE	CITY OF FREDONIA 69KV	10.294	0.00448	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05714	14
WERE	CITY OF GIRARD 69KV	10.7	0.00223	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06239	14
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00351	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06111	14
WERE	CITY OF IOLA 69KV	42.878	0.00362	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.061	14
KACP	CITY OF NEDESHA 69KV	6.738	0.00347	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06115	14
MIDW	DOLBY 115KV	14.02784	0.00242	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.0622	14
KACP	GARDNER 161KV	11	0.00471	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05991	14
MIPU	GREENWOOD 161KV	164.5406	0.00429	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06033	14
KACP	HAWTHORN 161KV	39	0.00422	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06004	14
WERE	HUTCHINSON ENERGY CENTER 115KV	259	0.00474	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05988	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	0.00474	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05988	14
KACP	IATAN 345KV	651	0.00449	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.06013	14
WEPL	JUDSON LARGE 115KV	28.80354							

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

Source	Sink	Source GSF	Sink GSF	Source MW	Sink MW	Relief Amount	Factor	Aggregate Relief Amount
WERE	EVANS ENERGY CENTER 138KV	258	0.01018	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05444
WERE	GILL ENERGY CENTER 138KV	131.8069	0.01042	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05442
WERE	WYACO 138KV	30	0.01039	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05423
WERE	CITY OF MULVANE 69KV	10.291	0.01376	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.05086
WERE	GETTY 69KV	35	0.02568	WERE	CITY OF AUGUSTA 69KV	13.66	0.06462	-0.03894

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

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBEE 138KV CKT 1
 Flowgate: 2007AG1AFS41T604407FA
 Date Redispatch Needed: 10/1/07 - 12/1/07
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.1	1.5
1222932	1.4	1.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.2557	4
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	I.A.M. MULLERGEN GENERATOR 115KV	25	0.04301	-0.29407	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	AES 161KV	320	-0.00249	-0.28857	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	ASBURY 161KV	191	0.00128	-0.29234	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CENTENIAL WIND 34KV	120.0018	-0.01094	-0.28012	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CHANUTE 69KV	47	0.04042	-0.29208	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CITY OF BURLINGTON 69KV	10020.08	0.009	-0.30006	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CITY OF ERIE 69KV	2	0.00402	-0.29508	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CITY OF MULVANE 69KV	5.277	0.01378	-0.30484	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	CLAY CENTER JUNCTION 115KV	6.009999	0.05233	-0.29639	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	COFFEY COUNTY NO.2 SHARPE 69KV	19.96	0.009	-0.30006	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	COGNEXTRIX 345KV	200	-0.00397	-0.29709	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	COLBY 115KV	9.695296	0.00244	-0.2935	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	COMANCHE 138KV	145	-0.00693	-0.28413	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	COMANCHE 69KV	60	-0.00693	-0.28413	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	EASTMAN 138KV	355	-0.00288	-0.28838	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	ELK RIVER 345KV	149.998	0.00982	-0.30088	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	ELLIS 69KV	6	-0.00242	-0.28864	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	EVANS ENERGY CENTER 138KV	440.8049	0.0102	-0.30126	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	FITZ HUGH 161KV	25	-0.00213	-0.29893	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	FLINT CREEK 161KV	400	-0.0018	-0.28926	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	FRLWD2 34KV	101.9959	-0.01108	-0.27998	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	GILL ENERGY CENTER 138KV	165	0.01044	-0.3015	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	GRAY COUNTY WIND FARM 115KV	36	0.03301	-0.29407	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	53.05995	0.00245	-0.29351	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HARPER 138KV	3.62	0.00843	-0.29949	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HAWTHORN 161KV	455	0.00427	-0.29533	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HOLTON 115KV	6	0.0053	-0.29636	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HORSESHOE LAKE 138KV	112	-0.00788	-0.29238	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HORSESHOE LAKE 69KV	16	-0.00749	-0.28357	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	HUTCHINSON ENERGY CENTER 115KV	175	0.00478	-0.29684	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	IATAN 345KV	396	0.00452	-0.29558	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	JEFFERSON ENERGY CENTER 230KV	470	0.00536	-0.29644	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	JEFFREY ENERGY CENTER 345KV	840	0.00565	-0.29841	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	JUDSON LARGE 115KV	36.08005	0.00302	-0.29408	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LACYGNE UNIT 345KV	958	0.00549	-0.29655	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LAKE ROAD 161KV	35	0.00408	-0.29514	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LAKE ROAD 345KV	82	0.00498	-0.29514	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LARUSSEL 161KV	100	0.00061	-0.29167	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LAWRENCE ENERGY CENTER 230KV	234.8222	0.00538	-0.29644	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	LEBROCK 345KV	465	-0.00267	-0.28839	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MARSHALL 161KV	470	0.00287	-0.29383	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MCCLAIN 138KV	470	-0.00774	-0.29383	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MONTROSE 161KV	314.3516	0.0038	-0.29486	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MUSKOGEE 161KV	138	-0.00336	-0.28777	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MUSKOGEE 345KV	1026	-0.0036	-0.28746	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	MUSTANG 138KV	160	-0.00788	-0.28349	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	NEARMAN 20KV	234.5	0.0045	-0.29563	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	NORTHEASTERN STATION 138KV	367	-0.00377	-0.28729	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	NORTHEASTERN STATION 345KV	625	-0.00224	-0.28882	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	OEC 345KV	219	-0.00343	-0.28763	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	OZARK BEACH 161KV	112	0.00419	-0.29125	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	PIRKEY GENERATION 138KV	213	-0.00267	-0.28839	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	QUINDARO 161KV	34.86	0.0045	-0.29556	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	QUINDARO 69KV	50.00076	0.00449	-0.29555	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	REBDUD 345KV	100	-0.00757	-0.28349	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	RIVERSIDE STATION 138KV	160	-0.004	-0.28706	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	RIVERTON 161KV	35	0.00048	-0.29154	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	RIVERTON 69KV	46.32735	0.00036	-0.29142	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SEMINOLE 138KV	268.8706	-0.00694	-0.28412	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SEMINOLE 345KV	682.8864	-0.00718	-0.28412	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SIBLEY 161KV	235.1327	0.0041	-0.29516	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SIBLEY 69KV	45.99999	0.00413	-0.29519	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SMITH COGEN 138KV	107	-0.0079	-0.28316	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SOONER 161KV	435	-0.01265	-0.28521	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SOONER 345KV	537	-0.01306	-0.278	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SOUTH HARPER 161KV	199.9474	0.00462	-0.29568	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SOUTH SENECA 115KV	4	0.0052	-0.29626	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	SOUTHWESTERN STATION 138KV	59	-0.00708	-0.28398	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	STATE LINE 161KV	98.9759	0.0043	-0.2915	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00578	-0.29684	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	WEATHERFORD 34KV	148	-0.00746	-0.2836	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	WELSH 345KV	1044	-0.00296	-0.2881	5
WERE	CITY OF WINFIELD 69KV	40	-0.29106	WERE	WILKINSON 138KV	54.48318	-0.00272	-0.28384	5
WERE	OXFORD 138KV	3	-0.13759	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.20223	7
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01822	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.08086	18
OKGE	HORSESHOE LAKE 138KV	748	-0.00788	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07232	20
OKGE	MCCLAIN 138KV	50	-0.00774	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07238	20
OKGE	MUSTANG 138KV	205.5	-0.00796	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07238	20
OKGE	MUSTANG 69KV	106	-0.00801	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07265	20
OKGE	REBDUD 345KV	1100	-0.00757	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07221	20
AEPW	SOUTHWESTERN STATION 138KV	378	-0.00708	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07172	20
OKGE	SPOCK1&2 13.200 345KV	168	-0.009	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07364	20
OKGE	SPOCK3&4 13.200 345KV	168	-0.009	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07364	20
OKGE	TINKER 5G 138KV	62	-0.00754	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07218	21
AEPW	COGNEXTRIX 345KV	694	-0.00397	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06861	21
AEPW	COMANCHE 138KV	15	-0.00693	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07157	21
AEPW	KIOWA 345KV	1348	-0.00862	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07028	21
AEPW	NORTHEASTERN STATION 138KV	141	-0.00377	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06841	21
MIDW	Nice 115kv	999	-0.00477	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06941	21
AEPW	RIVERSIDE STATION 138KV	677	-0.004	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06864	21
OKGE	SEMINOLE 138KV	236.1294	-0.00694	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07158	21
OKGE	SEMINOLE 345KV	347.0136	-0.00718	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.07168	21
AEPW	TULSA POWER STATION 138KV	307	-0.00396	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06886	21
AEPW	TULSA POWER STATION 69KV	80	-0.00396	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06886	21
AEPW	WEELETKA 138KV	162	-0.00502	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06966	21

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

Source	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)				
AEPW	WILKES 138KV	528	-0.00276	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0674	22
EMDE	WILKES 345KV	256.5168	-0.00272	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06736	22
EMDE	ASBURY 161KV	20	0.00128	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06336	23
EMDE	LARUSSEL 161KV	196	0.00061	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06403	23
EMDE	RIVERTON 161KV	192	0.00048	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06416	23
EMDE	RIVERTON 69KV	21.67265	0.00036	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06428	23
EMDE	STATE LINE 161KV	507.0247	0.00044	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06423	23
WEPL	A. M. MULLERGEN GENERATOR 115KV	36	0.00404	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0636	24
MIPU	ARIES 161KV	595	0.00436	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06028	24
WERE	CHANUTE 69KV	33.45	0.00402	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06062	24
WEPL	CIMARRON RIVER 115KV	72	0.00219	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06245	24
WERE	CITY OF ERIE 69KV	24.53	0.00402	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06082	24
WERE	CITY OF FREDONIA 69KV	10.294	0.00449	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06015	24
WERE	CITY OF GIRARD 69KV	10.7	0.00226	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06238	24
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00357	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06107	24
WERE	CITY OF IOLA 69KV	42.878	0.00364	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.061	24
MIDW	COLBY 115KV	15.3047	0.00244	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05922	24
MIPU	GREENWOOD 161KV	255.8	0.00434	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0603	24
KACP	HAWTHORN 161KV	455	0.00427	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06037	24
WEPL	JUDSON LARGE 115KV	66.91995	0.00302	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06162	24
KACY	KAW 69KV	242	0.00449	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06015	24
MIDW	KNOLL 115KV	75.924	0.00406	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06058	24
MIPU	LAKE ROAD 161KV	91	0.00408	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06056	24
KACP	MARSHALL 161KV	39.1	0.00287	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06177	24
KACP	MONTROSE 161KV	66.64839	0.00336	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06084	24
KACY	NEARMAN 161KV	80	0.00405	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06014	24
MIPU	NEVADA 69KV	20.3	0.003	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06164	24
KACP	NORTHEAST 13KV	277	0.00433	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06031	24
KACP	NORTHEAST 161KV	277	0.00433	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06031	24
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00424	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06084	24
KACY	QUINDARO 161KV	202.14	0.0045	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06014	24
KACY	QUINDARO 69KV	126.0992	0.00449	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06015	24
MIPU	RALPH GREEN 69KV	73.7	0.00429	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06035	24
MIPU	SIBLEY 161KV	14.86728	0.0041	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06054	24
MIPU	SOUTH HARPER 161KV	115.0526	0.00462	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06022	24
MIPU	TWA 161KV	32.1	0.00436	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.06028	24
WERE	ABLENE ENERGY CENTER 115KV	66	0.00523	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05941	25
WERE	BPJ - CITY OF MCPHERSON 115KV	232	0.00489	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05976	25
KACP	BULL CREEK 161KV	413	0.00477	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05987	25
WERE	CLAY CENTER JUNCTION 115KV	22.69	0.00533	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05931	25
WEPL	CLIFTON 115KV	70	0.00509	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05955	25
KACP	GARDNER 161KV	11	0.00475	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05989	25
WERE	GILL ENERGY CENTER 69KV	118	0.00663	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05801	25
WERE	HOLTON 115KV	13.8	0.00353	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05934	25
WERE	HUTCHINSON ENERGY CENTER 115KV	269	0.00478	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05986	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	0.00478	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05986	25
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00538	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05926	25
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00535	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05929	25
WERE	LAWRENCE ENERGY CENTER 230KV	34.1778	0.00538	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05925	25
MIDW	Lyons 115KV	999	0.00484	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0598	25
MIDW	pawnee 115KV	999	0.00476	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05988	25
WERE	SOUTH SENECA 115KV	12.7	0.00552	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05944	25
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00578	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05986	25
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00574	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0598	25
WERE	CITY OF BURLINGTON 69KV	58.42	0.009	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05654	26
WEPL	HARPER 138KV	13.59	0.00843	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05621	26
WERE	EVANS ENERGY CENTER 138KV	232,1951	0.0102	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05444	27
WERE	GILL ENERGY CENTER 138KV	84,99999	0.01044	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.0542	27
WERE	WACO 138KV	30	0.01041	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05423	27
WERE	CITY OF MULVANE 69KV	10.513	0.01378	WERE	CITY OF AUGUSTA 69KV	12.42	0.06464	-0.05086	29

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 2007AG1AFS41T64409WOP
 Date Redispatch Needed: Starting 2009 / 12 / -4/1 Until EOC
 Season Flowgate Identified: 2009 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.1	0.8
1222932	0.4	0.8
1222943	0.2	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WEPL	A. M. MULLERGEN GENERATOR 115KV	25	0.005	-0.29631	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	OKGE	AES 161KV	320	-0.00257	-0.28874	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	EMDE	ASBURY 161KV	191	0.00117	-0.29248	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	OKGE	CENTENIAL WIND 34KV	120	-0.01107	-0.29024	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	CHANUTE 69KV	44.393	0.00387	-0.29318	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.35556	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	CITY OF BURLINGTON 69KV	10019	0.00876	-0.30007	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	CITY OF ERIE 69KV	1.680003	0.00387	-0.29518	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	ELK RIVER 345KV	3.921	0.01331	-0.30462	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	CLAY CENTER JUNCTION 115KV	1.34	0.00595	-0.29726	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WEPL	CLOUD COUNTY 34KV	100	0.00551	-0.29682	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00876	-0.30007	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	COGENTRIX 345KV	300	-0.00403	-0.28728	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	MIDW	COLBY 115KV	6.645043	0.00315	-0.29446	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	COMANCHE 138KV	145	-0.007	-0.28431	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	COMANCHE 69KV	60	-0.007	-0.28431	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	EASTMAN 138KV	355	-0.00273	-0.28858	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	EMDE	ELK RIVER 345KV	149.9962	0.0068	-0.30061	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	ELLIS 69KV	6	-0.00251	-0.2988	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	EVANS ENERGY CENTER 138KV	425	0.00961	-0.30092	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	FITZHUGH 161KV	103	-0.00221	-0.2891	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	FLINT CREEK 161KV	400	-0.00196	-0.28935	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	OKGE	FRLWIND 34KV	103	-0.0121	-0.2901	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	GILL ENERGY CENTER 138KV	155	0.00996	-0.30127	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.0037	-0.29501	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	54.97319	0.00321	-0.29452	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	MIPU	GREENWOOD 161KV	126.5847	0.00437	-0.29568	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WEPL	HARPER 138KV	6.14	0.00842	-0.29073	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	KACP	HAWTHORN 161KV	688.3013	0.00432	-0.29563	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	HOLTON 115KV	6	0.0055	-0.29681	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	OKGE	HORSESHOE LAKE 138KV	194	-0.00779	-0.28532	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	OKGE	HORSESHOE LAKE 69KV	16	-0.0078	-0.28371	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	HUTCHINSON ENERGY CENTER 115KV	143.6895	0.00703	-0.29834	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	KACP	IATAN 345KV	396	0.00464	-0.2995	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00568	-0.29699	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WERE	JEFFREY ENERGY CENTER 345KV	840	0.00565	-0.29696	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	WEPL	JUDSON LARGE 115KV	46.83691	0.00371	-0.29502	2
WERE	CITY OF WINFIELD 69KV	40	-0.29131	AEPW	JUDSON LARGE 115KV	95.00459	-0.00271	-0.2886</	

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

WERE	CITY OF WINFIELD 69KV	40	-0.2913	EMDE	RIVERTON 161KV	35	0.00036	-0.29167	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	EMDE	RIVERTON 69KV	45.68803	0.00023	-0.29154	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	OKGE	SEMINOLE 345KV	573.97141	-0.00715	-0.28416	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	MIFPU	SIBLEY 161KV	237.4955	0.00414	-0.29545	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	MIFPU	SIBLEY 69KV	45.99999	0.00417	-0.29548	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	OKGE	SMITH COGEN 138KV	107	-0.00802	-0.28329	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	WERE	SNOKEY HILLS 34KV	51	0.00572	-0.29703	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	OKGE	SOONER 138KV	535	-0.02199	-0.28363	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	OKGE	SOONER 345KV	537	-0.01322	-0.27809	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	MIFPU	SOUTH HARPER 161KV	315	0.00465	-0.29596	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	WERE	SOUTH SENECA 115KV	4	0.0064	-0.29671	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00716	-0.28415	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	EMDE	STATE LINE 161KV	168.01222	0.00032	-0.29163	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00597	-0.29728	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	AEPW	WEATHERFORD 34KV	148	-0.00753	-0.28378	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	AEPW	WELSH 345KV	1044	-0.00301	-0.2883	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	AEPW	WILKES 138KV	62.25729	-0.00281	-0.2885	2
WERE	CITY OF WINFIELD 69KV	40	-0.2913	AEPW	WILKES 345KV	125	-0.00277	-0.28854	2
WERE	OXFORD 138KV	3	-0.13779	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.20204	3
WERE	OXFORD 138KV	3	-0.13779	WEPL	A. M. MULLERGEN GENERATOR 115KV	25	0.005	-0.14279	4
WERE	OXFORD 138KV	3	-0.13779	EMDE	ASBURY 161KV	191	0.01177	-0.13996	4
WERE	OXFORD 138KV	3	-0.13779	WERE	CHANUTE 69KV	44.303	0.00387	-0.14166	4
WERE	OXFORD 138KV	3	-0.13779	WERE	CITY OF BURLINGTON 69KV	10019	0.00876	-0.14655	4
WERE	OXFORD 138KV	3	-0.13779	WERE	CITY OF ERIE 69KV	1.680003	0.00387	-0.14166	4
WERE	OXFORD 138KV	3	-0.13779	WERE	CITY OF MULVANE 69KV	3.921	0.01331	-0.1511	4
WERE	OXFORD 138KV	3	-0.13779	WERE	CLAY CENTER JUNCTION 115KV	1.34	0.0056	-0.14374	4
WERE	OXFORD 138KV	3	-0.13779	WEPL	CLOUD COUNTY 34KV	100	0.00551	-0.1433	4
WERE	OXFORD 138KV	3	-0.13779	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.81	0.00876	-0.14655	4
WERE	OXFORD 138KV	3	-0.13779	MIDW	COLBY 115KV	6.645043	0.00315	-0.14094	4
WERE	OXFORD 138KV	3	-0.13779	EMDE	ELK RIVER 345KV	149.9963	0.0095	-0.14729	4
WERE	OXFORD 138KV	3	-0.13779	WERE	EVANS ENERGY CENTER 138KV	425	0.00961	-0.1474	4
WERE	OXFORD 138KV	3	-0.13779	WERE	GILL ENERGY CENTER 138KV	165	0.00996	-0.14775	4
WERE	OXFORD 138KV	3	-0.13779	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.0037	-0.14149	4
WERE	OXFORD 138KV	3	-0.13779	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	54.97319	0.00321	-0.141	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	GREENWOOD 161KV	128.6847	0.0047	-0.14216	4
WERE	OXFORD 138KV	3	-0.13779	WEPL	HARPER 138KV	6.14	0.00842	-0.14621	4
WERE	OXFORD 138KV	3	-0.13779	KACP	HAWTHORN 161KV	688.3013	0.00432	-0.14211	4
WERE	OXFORD 138KV	3	-0.13779	WERE	HOLTON 115KV	6	0.0055	-0.14329	4
WERE	OXFORD 138KV	3	-0.13779	WERE	HUTCHINSON ENERGY CENTER 115KV	143.6895	0.00703	-0.14462	4
WERE	OXFORD 138KV	3	-0.13779	KACP	IATAN 345KV	396	0.00464	-0.14243	4
WERE	OXFORD 138KV	3	-0.13779	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00568	-0.14347	4
WERE	OXFORD 138KV	3	-0.13779	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00565	-0.14344	4
WERE	OXFORD 138KV	3	-0.13779	WEPL	JUDSON LARGE 115KV	46.83691	0.00371	-0.1415	4
WERE	OXFORD 138KV	3	-0.13779	KACP	LACY UNIT 345KV	938	0.0045	-0.14323	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	LAKE ROAD 161KV	95	0.00416	-0.14195	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	LAKE ROAD 34KV	92	0.00416	-0.14195	4
WERE	OXFORD 138KV	3	-0.13779	WERE	LAWRENCE ENERGY CENTER 230KV	225.4576	0.00553	-0.14332	4
WERE	OXFORD 138KV	3	-0.13779	KACP	MARKSHILL 161KV	106.2885	0.00281	-0.14365	4
WERE	OXFORD 138KV	3	-0.13779	KACP	MONTROSE 161KV	355.106	0.00381	-0.1416	4
WERE	OXFORD 138KV	3	-0.13779	KACY	NEARMAN 20KV	234.5	0.00455	-0.14234	4
WERE	OXFORD 138KV	3	-0.13779	KACY	QUINDARO 161KV	37.74158	0.00455	-0.14234	4
WERE	OXFORD 138KV	3	-0.13779	KACY	QUINDARO 69KV	72	0.00454	-0.14233	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	SIBLEY 161KV	237.4955	0.00417	-0.14196	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	SIBLEY 69KV	45.99999	0.00417	-0.14196	4
WERE	OXFORD 138KV	3	-0.13779	WERE	SMOKEY HILLS 34KV	51	0.00572	-0.14351	4
WERE	OXFORD 138KV	3	-0.13779	MIFPU	SOUTH HARPER 161KV	315	0.00465	-0.14244	4
WERE	OXFORD 138KV	3	-0.13779	WERE	SOUTH SENECA 115KV	4	0.0064	-0.14319	4
WERE	OXFORD 138KV	3	-0.13779	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00597	-0.1474	4
WERE	OXFORD 138KV	3	-0.13779	OKGE	AES 161KV	320	-0.00257	-0.13522	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	CENTENAL WIND 34KV	120	-0.01107	-0.12672	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	COGENTRIX 345KV	200	-0.00403	-0.13376	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	COMANCHE 138KV	191	-0.00307	-0.13079	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	COMANCHE 69KV	60	-0.007	-0.13079	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	EASTMAN 138KV	355	-0.00273	-0.13506	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	ELLIS 69KV	6	-0.00251	-0.13528	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	FITZHUGH 161KV	103	-0.00221	-0.13558	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	FLINT CREEK 161KV	100	-0.00195	-0.13563	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	FPLW2 34KV	102	-0.01121	-0.12658	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	HORSESHOE LAKE 138KV	194	-0.00779	-0.13	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	HORSESHOE LAKE 69KV	16	-0.0076	-0.13019	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	KNOXLEE 138KV	95.00488	-0.0027	-0.13568	5
WERE	OXFORD 138KV	3	-0.13779	EMDE	LARUSSEL 161KV	100	0.0005	-0.13829	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	LEBROCK 345KV	315	-0.00272	-0.13507	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	MCLAIN 138KV	470	-0.00785	-0.12994	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	MUSKOGEE 161KV	138	-0.00353	-0.13426	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	MUSKOGEE 345KV	158	-0.00369	-0.1341	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	NORTHEASTERN STATION 138KV	316	-0.00388	-0.13391	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	NORTHEASTERN STATION 345KV	625	-0.00234	-0.13545	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	OEC 345KV	269	-0.0035	-0.13429	5
WERE	OXFORD 138KV	3	-0.13779	EMDE	OZARK BEACH 161KV	1	0.000	-0.13769	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	PIRKEY GENERATION 138KV	223	-0.00271	-0.13508	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	REDDUB 34KV	100	-0.00768	-0.13011	5
WERE	OXFORD 138KV	3	-0.13779	EMDE	RIVERTON 161KV	35	0.00036	-0.13815	5
WERE	OXFORD 138KV	3	-0.13779	WERE	RIVERTON 69KV	45.68803	0.00023	-0.13802	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	SEMINOLE 345KV	573.97141	-0.00715	-0.13264	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	SMITH COGEN 138KV	107	-0.00802	-0.12977	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	SOONER 138KV	535	-0.02199	-0.1158	5
WERE	OXFORD 138KV	3	-0.13779	OKGE	SOONER 345KV	537	-0.01322	-0.12457	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00716	-0.13063	5
WERE	OXFORD 138KV	3	-0.13779	EMDE	STATE LINE 161KV	168.01222	0.00032	-0.13811	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	WEATHERFORD 34KV	148	-0.00753	-0.13026	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	WELSH 345KV	1044	-0.00301	-0.13478	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	WILKES 138KV	62.25729	-0.00281	-0.13498	5
WERE	OXFORD 138KV	3	-0.13779	AEPW	WILKES 345KV	125	-0.00277	-0.13502	5
OKGE	SOONER 138KV	5	-0.02199	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.08624	7
OKGE	SOONER 345KV	5	-0.01322	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07747	8
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01637	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.08062	8
AEPW	ARSENAL HILL 69KV	110	-0.00249	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06778	9
AEPW	COGENTRIX 345KV	694	-0.00403	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06829	9
AEPW	COMANCHE 138KV	15	-0.007	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07125	9
AEPW	COMANCHE 69KV	3	-0.007	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07125	9
AEPW	EASTMAN 138KV	130.01	-0.00273	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06998	9
AEPW	ELLIS 69KV	20	-0.00251	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06778	9
AEPW	FITZHUGH 161KV	23	-0.00221	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06646	9
AEPW	FLINT CREEK 161KV	28	-0.00195	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06621	9
AEPW	FULTON 115KV	32.99999	-0.00232	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06657	9
OKGE	HORSESHOE LAKE 138KV	686	-0.00779	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07204	9
AEPW	KIOWA 345KV	1348	-0.00571	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06996	9
AEPW	KNOXLEE 138KV	327.9954	-0.00271	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06696	9
AEPW	LEBROCK 345KV	382	-0.00272	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06697	9
AEPW	LIEBERMAN 138KV	272	-0.00254	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06679	9
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00284	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06709	9
OKGE	MCLAIN 138KV	50	-0.00785	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07021	9
AEPW	MID-CONTINENT 138KV	142.11	-0.00287	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06712	9
OKGE	MUSKOGEE 161KV	28	-0.00353	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06778	9
OKGE	MUSKOGEE 345KV	177	-0.00369	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06723	9
OKGE	MUSTANG 138KV	365	-0.00813	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07231	9
OKGE	MUSTANG 69KV	106	-0.00813	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.07238	9
AEPW	NARROWS 69KV	30	-0.00328	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06753	9
AEPW	NORTH MARSHALL 69KV	5	-0.00268	WER					

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

AEPW	WILKES 138KV	425.7427	-0.00281	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06706	9
AEPW	WILKES 345KV	186	-0.00277	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06702	9
MIPU	SARIS 161KV	595	0.00439	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05986	10
EMDE	ASBURY 161KV	20	0.00117	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06308	10
WERE	CHANUTE 69KV	36.297	0.00387	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06038	10
WEPL	CIMARRON RIVER 115KV	72	0.00283	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06142	10
WERE	CITY OF ERIE 69KV	24.84	0.00387	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06038	10
WERE	CITY OF FREDONIA 69KV	10.246	0.00433	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05971	10
WERE	CITY OF GIRARD 69KV	10.7	0.00214	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06211	10
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00358	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06067	10
WERE	CITY OF IOLA 69KV	42.878	0.00351	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06074	10
WERE	CITY OF NEODESHA 69KV	6.739	0.00333	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06088	10
MIDW	COLBY 115KV	18.35496	0.00315	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06111	10
KACP	GARDNER 161KV	11	0.00478	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05947	10
MIPU	GREENWOOD 161KV	123.2153	0.00437	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05988	10
KACP	HAWTHORN 161KV	112.6987	0.00432	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05993	10
WEPL	JUDSON LARGE 115KV	56.16309	0.00371	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06054	10
KACY	KAW 69KV	242	0.00454	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05971	10
MIPU	LAKE ROAD 161KV	91	0.00416	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06009	10
EMDE	LARUSSEL 161KV	196	0.0005	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06375	10
KACP	MARSHALL 161KV	59.1	0.00268	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06139	10
KACP	MONTROSE 161KV	25.89397	0.00381	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06044	10
KACY	NEARMAN 161KV	80	0.00455	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05971	10
MIPU	NEVADA 69KV	20.3	0.00299	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06126	10
KACP	NORTHEAST 18KV	277	0.00438	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05987	10
KACP	NORTHEAST 161KV	277	0.00438	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05987	10
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00425	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06	10
KACY	QUINDARO 161KV	199.2584	0.00455	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05971	10
KACY	QUINDARO 69KV	105	0.00454	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05971	10
MIPU	RALPH GREEN 69KV	73.7	0.00431	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05994	10
EMDE	RIVERTON 161KV	295	0.00036	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06389	10
EMDE	RIVERTON 69KV	22.31197	0.00023	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06402	10
MIPU	SIBLEY 161KV	12.50446	0.00414	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06011	10
EMDE	STATE LINE 161KV	437.9878	0.00032	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.06393	10
MIPU	TWA 161KV	32.1	0.00441	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05984	10
WEPL	T.A.M. MULLERGEN GENERATOR 115KV	38	0.005	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05925	11
WERE	ABILENE ENERGY CENTER 115KV	66	0.006	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05825	11
WERE	BPJ - CITY OF MCPHERSON 115KV	232	0.00645	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05778	11
KACP	BULL CREEK 161KV	419	0.00481	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05944	11
WERE	CITY OF BURLINGTON 69KV	59.5	0.00876	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05549	11
WERE	CLAY CENTER JUNCTION 115KV	27.36	0.00595	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.0583	11
WEPL	CLIFTON 115KV	70	0.00542	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05883	11
WERE	EMPORIA ENERGY CENTER 345KV	811	0.00627	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05798	11
WERE	EVANS ENERGY CENTER 138KV	338	0.00581	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05846	11
WERE	GILL ENERGY CENTER 138KV	84.99999	0.00996	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05429	11
WERE	GILL ENERGY CENTER 69KV	118	0.00614	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05811	11
WEPL	HARPER 138KV	11.07	0.00842	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05583	11
WERE	HOLTON 115KV	13	0.0055	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05778	11
WERE	HUTCHINSON ENERGY CENTER 115KV	300.3105	0.00703	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05722	11
WERE	HUTCHINSON ENERGY CENTER 69KV	52	0.00703	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05722	11
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00568	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05857	11
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00565	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.0586	11
MIDW	KNOLL 115KV	75.924	0.00594	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05821	11
WERE	LAWRENCE ENERGY CENTER 230KV	43.54242	0.00553	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05872	11
MIDW	Lyns 115KV	999	0.00668	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05757	11
MIDW	pawnee 115KV	999	0.00594	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05831	11
WERE	SOUTH SENECA 115KV	12.7	0.0054	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05885	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00597	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05846	11
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00594	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05831	11
WERE	WACO 138KV	30	0.00992	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05433	11
WERE	CITY OF MULVANE 69KV	11.869	0.01331	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.05094	12
WERE	GETTY 69KV	35	0.02532	WERE	CITY OF AUGUSTA 69KV	12.42	0.06425	-0.03893	16

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: OXFORD - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
 Flowgate: 2007AG1AFS41771408SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1222644	0.01	0.1
1222932	0.1	0.1

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00388	-0.29491	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	AES 161KV	320	-0.00251	-0.28852	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ASBURY 161KV	191	0.00125	-0.29228	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	BULL CREEK 161KV	538	0.00473	-0.29576	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	CENTENIAL WIND 34KV	120	-0.01094	-0.29009	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CHANUTE 69KV	50.687	0.004	-0.29503	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF AUGUSTA 69KV	20.02	0.06425	-0.35565	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	CITY OF BURLINGTON 69KV	10042.96	0.00988	-0.30001	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF ERIE 69KV	2	0.004	-0.29503	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF GIRARD 69KV	3.19	0.00448	-0.29551	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF GIRARD 69KV	3.6	0.00223	-0.29326	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF MULVANE 69KV	6.739	0.01376	-0.30479	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CLAY CENTER JUNCTION 115KV	11.2	0.0053	-0.29533	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	CLIFTON 115KV	51.77484	0.00505	-0.29608	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00988	-0.30001	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COGENTRIX 345KV	200	-0.00393	-0.28711	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	COLBY 115KV	13.05393	0.0242	-0.29545	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 138KV	145	-0.00692	-0.28411	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 69KV	60	-0.00692	-0.28411	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	EASTMAN 138KV	355	-0.00288	-0.28835	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ELK RIVER 345KV	149.9975	0.0098	-0.30083	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	ELIS 69KV	6	-0.0244	-0.28859	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	EMPORIA ENERGY CENTER 345KV	117.8701	0.00611	-0.29714	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	EVANS ENERGY CENTER 138KV	485	0.01018	-0.30121	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FITZHUGH 161KV	120	-0.00215	-0.28888	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FLINT CREEK 161KV	400	-0.00188	-0.28915	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	FRYLAND 24KV	102	-0.01198	-0.27965	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GILL ENERGY CENTER 138KV	165	0.01042	-0.30145	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GILL ENERGY CENTER 69KV	52	0.00661	-0.29764	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.29401	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	0.0243	-0.29346	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	GREENWOOD 161KV	208.5034	0.00429	-0.29532	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	HARPER 138KV	8.49	0.00841	-0.29944	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	HAWTHORN 161KV	762	0.00423	-0.29526	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HOLTON 115KV	12.2	0.00528	-0.29629	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	HORSESHOE LAKE 138KV	352	0.00767	-0.29338	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.28355	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 115KV	255	0.00474	-0.29577	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.29577	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	HATAN 345KV	336	0.00448	-0.29552	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.29631	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.29634	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WEPL	JUDSON LARGE 115KV	94.43335	0.00299	-0.29402	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	KNOLL 115KV	41.59616	0.00403	-0.29506	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	KNOWLES 58KV	54.4263	-0.00286	-0.29536	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	LACYGNE UNIT 345KV	568	0.00546	-0.29649	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 161KV	35	0.00404	-0.29507	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 34KV	92	0.00404	-0.29507	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103						

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

WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NARROWS 69KV	22	-0.00322	-0.28781	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACV	NEARMAN 20KV	234.5	0.00446	-0.29549	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	NORTHEAST 13KV	24.25854	0.00429	-0.29532	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 138KV	432	-0.00377	-0.28726	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.2888	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	OEC 345KV	269	-0.0034	-0.28763	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	OZARK BEACH 161KV	16	0.00015	-0.29118	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0047	-0.29263	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	PIRKEY GENERATION 138KV	213	-0.00266	-0.28837	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACV	QUINDARO 161KV	113.4182	0.00445	-0.29548	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACV	QUINDARO 69KV	72	0.00445	-0.29548	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	REDDUD 345KV	100	-0.00755	-0.28632	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 161KV	35	0.00044	-0.29147	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 69KV	45.42212	0.00032	-0.29135	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 138KV	312.6885	-0.00693	-0.2841	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 345KV	855	-0.00703	-0.284	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 161KV	233.0498	0.00406	-0.29509	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 69KV	45.99999	0.00408	-0.29511	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SMITH COGEN 138KV	107	-0.00789	-0.28314	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.29576	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 138KV	535	-0.02181	-0.28922	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 345KV	537	-0.01303	-0.278	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SOUTH HARPER 161KV	315	0.00458	-0.29561	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SOUTH SENECA 115KV	8.5	0.00517	-0.2962	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00707	-0.28396	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00707	-0.28396	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	STATE LINE 161KV	452.0775	0.0004	-0.29143	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00574	-0.29677	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.28357	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WELSH 345KV	1044	-0.00286	-0.28507	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 138KV	67.90971	-0.00276	-0.28827	0
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 345KV	125	-0.00272	-0.28831	0
AEPW	COGENTRIX 345KV	694	-0.00393	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06855	1
AEPW	COMANCHE 138KV	15	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	1
OKGE	COMANCHE 69KV	3	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	1
OKGE	HORSESHOE LAKE 138KV	508	-0.00767	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07229	1
AEPW	KIOWA 345KV	1348	-0.00561	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07234	1
OKGE	MCCLELLAN 138KV	50	-0.00772	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07234	1
OKGE	MUSKOGEE 161KV	20	-0.00344	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06906	1
OKGE	MUSKOGEE 345KV	17	-0.0036	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06822	1
OKGE	MUSTANG 138KV	172.5	-0.00794	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07256	1
OKGE	MUSTANG 69KV	106	-0.008	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07262	1
AEPW	NARROWS 69KV	3	-0.00322	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06784	1
OKGE	NORTHEASTERN STATION 138KV	75.99997	-0.00377	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06802	1
AEPW	OEC 345KV	1878.03	-0.0034	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06802	1
WERE	OXFORD 138KV	3	-0.13755	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00388	-0.14143	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	AES 161KV	320	-0.00251	-0.13504	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	ASBURY 161KV	491	0.01238	-0.13388	1
WERE	OXFORD 138KV	3	-0.13755	KACP	BULL CREEK 161KV	308	0.00473	-0.14228	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	CENTENIAL WIND 34KV	120	-0.01094	-0.12661	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CHANUTE 69KV	50.687	0.004	-0.14155	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.20217	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF BURLINGTON 69KV	10042.06	0.00986	-0.14053	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF ERIE 69KV	2	0.004	-0.14155	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF FREDONIA 69KV	3.19	0.00448	-0.14203	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF GIRARD 69KV	3.6	0.00223	-0.13978	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CITY OF MULVANE 69KV	6.739	0.01376	-0.15131	1
WERE	OXFORD 138KV	3	-0.13755	WERE	CLAY CENTER JUNCTION 115KV	1	0.005	-0.14208	1
WERE	OXFORD 138KV	3	-0.13755	WEPL	CLIFTON 115KV	51.77484	0.00505	-0.1426	1
WERE	OXFORD 138KV	3	-0.13755	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.14653	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	COGENTRIX 345KV	200	-0.00393	-0.13362	1
WERE	OXFORD 138KV	3	-0.13755	MIDW	COLBY 115KV	13.05093	0.0242	-0.13997	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 138KV	145	-0.00692	-0.13063	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	COMANCHE 69KV	60	-0.00692	-0.13063	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	EASTMAN 138KV	355	-0.00268	-0.13487	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	ELK RIVER 345KV	149.9975	0.0098	-0.14735	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	ELIS 69KV	1	0.004	-0.14155	1
WERE	OXFORD 138KV	3	-0.13755	WERE	EMPORIA ENERGY CENTER 345KV	117.8701	0.00611	-0.14366	1
WERE	OXFORD 138KV	3	-0.13755	WERE	EVANS ENERGY CENTER 138KV	485	0.01018	-0.14773	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	FITZHUGH 161KV	120	-0.00215	-0.1354	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	FLINT CREEK 161KV	490	-0.01829	-0.13567	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	FRLNDD2 34KV	102	-0.01108	-0.12847	1
WERE	OXFORD 138KV	3	-0.13755	WERE	GILL ENERGY CENTER 138KV	155	0.01042	-0.14797	1
WERE	OXFORD 138KV	3	-0.13755	WERE	GILL ENERGY CENTER 69KV	52	0.00661	-0.14416	1
WERE	OXFORD 138KV	3	-0.13755	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.14053	1
WERE	OXFORD 138KV	3	-0.13755	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPARVILLE 230KV	22.98018	0.0243	-0.13068	1
WERE	OXFORD 138KV	3	-0.13755	MIPU	GREENWOOD 161KV	209.5034	0.00429	-0.14184	1
WERE	OXFORD 138KV	3	-0.13755	WEPL	HARPER 138KV	8.49	0.00841	-0.14596	1
WERE	OXFORD 138KV	3	-0.13755	KACP	HAWTHORN 161KV	762	0.00423	-0.14178	1
WERE	OXFORD 138KV	3	-0.13755	WERE	HOLTON 115KV	12.2	0.00528	-0.12881	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	HORSESHOE LAKE 138KV	352	-0.00767	-0.12888	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.13007	1
WERE	OXFORD 138KV	3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 115KV	255	0.00474	-0.14229	1
WERE	OXFORD 138KV	3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.14229	1
WERE	OXFORD 138KV	3	-0.13755	KACP	HATAN 348KV	308	0.00449	-0.14204	1
WERE	OXFORD 138KV	3	-0.13755	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.14289	1
WERE	OXFORD 138KV	3	-0.13755	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.14286	1
WERE	OXFORD 138KV	3	-0.13755	WEPL	JUDSON LARGE 115KV	94.43353	0.00299	-0.14054	1
WERE	OXFORD 138KV	3	-0.13755	MIDW	KNOLLS 115KV	41.59816	0.00463	-0.14158	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	KNOXLEE 138KV	54.4225	-0.00266	-0.13489	1
WERE	OXFORD 138KV	3	-0.13755	KACP	LACYGNE UNIT 345KV	96.8	0.00546	-0.14301	1
WERE	OXFORD 138KV	3	-0.13755	MIPU	LAKE ROAD 161KV	35	0.00404	-0.14159	1
WERE	OXFORD 138KV	3	-0.13755	MIPU	LAKE ROAD 34KV	92	0.00404	-0.14159	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	LARUSSEL 161KV	100	0.00549	-0.14211	1
WERE	OXFORD 138KV	3	-0.13755	WERE	LAWRENCE ENERGY CENTER 230KV	226.979	0.00534	-0.14289	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	LEBROCK 345KV	465	-0.00267	-0.13488	1
WERE	OXFORD 138KV	3	-0.13755	KACP	MARSHALL 161KV	16	0.0028	-0.14035	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	MCCLELLAN 138KV	476	-0.00772	-0.28863	1
WERE	OXFORD 138KV	3	-0.13755	KACP	MONTROSE 161KV	354.267	0.00375	-0.1413	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSKOGEE 161KV	146	-0.00344	-0.13411	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSKOGEE 345KV	1548	-0.0036	-0.13395	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	MUSTANG 138KV	193	-0.00794	-0.12961	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	NARROWS 69KV	22	-0.00322	-0.13433	1
WERE	OXFORD 138KV	3	-0.13755	KACV	NEARMAN 20KV	234.5	0.00446	-0.14201	1
WERE	OXFORD 138KV	3	-0.13755	KACP	NORTHEAST 13KV	24.25854	0.00429	-0.14184	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	NORTHEASTERN STATION 138KV	432	-0.00377	-0.13378	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.13532	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	OEC 345KV	269	-0.0034	-0.13415	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	OZARK BEACH 161KV	16	0.00015	-0.1377	1
WERE	OXFORD 138KV	3	-0.13755	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0047	-0.14175	1
WERE	OXFORD 138KV	3	-0.13755	AEPW	PIRKEY GENERATION 138KV	213	-0.00266	-0.13489	1
WERE	OXFORD 138KV	3	-0.13755	KACV	QUINDARO 161KV	113.4182	0.00445	-0.142	1
WERE	OXFORD 138KV	3	-0.13755	KACV	QUINDARO 69KV	72	0.00445	-0.142	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	REDDUD 345KV	100	-0.00755	-0.13	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	RIVERTON 161KV	35	0.00044	-0.13799	1
WERE	OXFORD 138KV	3	-0.13755	EMDE	RIVERTON 69KV	45.42212	0.00032	-0.13787	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	SEMINOLE 138KV	312.6885	-0.00693	-0.13052	1
WERE	OXFORD 138KV	3	-0.13755	OKGE	SEMINOLE 345KV	855	-0.00703	-0.13052	1
WERE	OXFORD 138KV	3	-0.13755	MIPU	SIBLEY 161KV	233.0498	0.00406	-0.14161	1
WERE	OXFORD 138KV	3	-0.13755	MIPU	SIBLEY 69				

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

Source	Sink	Maximum Decrement (MW)	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
OKGE	SMITH COGEN 138KV	3	-0.00789	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07251	1
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.08943	1
OKGE	SOONER 345KV	3	-0.01303	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07765	1
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01619	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.08081	1
AEWP	SOUTHWESTERN STATION 138KV	265	-0.00707	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07169	1
AEWP	SOUTHWESTERN STATION 138KV	603	-0.00707	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07169	1
OKGE	SPOCKR1&2 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07361	1
OKGE	SPOCKR3&4 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07361	1
OKGE	TINKER 50 138KV	62	-0.00753	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.07215	1
AEWP	TULSA POWER STATION 138KV	307	-0.00394	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06856	1
AEWP	TULSA POWER STATION 69KV	80	-0.00394	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06856	1
AEWP	WELLETKA 138KV	162	-0.00501	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06963	1
WERE	ABLENE ENERGY CENTER 115KV	66	0.00519	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05943	2
MIPU	ARIES 161KV	595	0.00432	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0603	2
AEWP	ARSENAL HILL 69KV	110	-0.00245	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06707	2
EMDE	ASBURY 161KV	20	0.00125	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06337	2
WERE	BBU- CITY OF MCPHERSON 115KV	232	0.00484	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05978	2
KACP	BULL CREEK 161KV	105	0.00473	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05989	2
WERE	CHANUTE 69KV	29,913	0.004	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06062	2
WEPL	CHAMARRON RIVER 115KV	72	0.00217	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06245	2
WERE	CITY OF BURLINGTON 69KV	16.38	0.00898	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05564	2
WERE	CITY OF ERIE 69KV	24.53	0.004	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06065	2
WERE	CITY OF FREDONIA 69KV	7.104	0.00448	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06014	2
WERE	CITY OF GIRARD 69KV	7.1	0.00223	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06239	2
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00351	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06111	2
WERE	CITY OF IOLA 69KV	42,876	0.00362	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.061	2
WERE	CITY OF MULVANE 69KV	9,051,001	0.01376	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05086	2
WERE	CITY OF NEDESHA 69KV	6,738	0.00347	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06115	2
WERE	CLAY CENTER JUNCTION 115KV	17.5	0.0053	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05932	2
WEPL	CLIFTON 115KV	13,225,16	0.00505	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05957	2
MIDW	COLBY 115KV	11,946,07	0.00242	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.062	2
AEWP	EASTMAN 138KV	130.01	-0.00268	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0673	2
WERE	ELLINWOOD 115KV	2.9	0.00479	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05983	2
AEWP	ELLIS 69KV	20	-0.00244	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06706	2
WERE	EMPORIA ENERGY CENTER 345KV	315,1299	0.00611	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0544	2
WERE	EVANS ENERGY CENTER 138KV	138	0.01018	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05444	2
AEWP	FITZHUGH 161KV	6,000,008	-0.00215	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06677	2
AEWP	FLINT CREEK 161KV	28	-0.00189	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06625	2
AEWP	FULTON 115KV	153	-0.00227	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05989	2
KACP	GARDNER 161KV	11	0.00471	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05991	2
WERE	GILL ENERGY CENTER 138KV	84,999,99	0.01042	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0542	2
WERE	GILL ENERGY CENTER 69KV	48	0.00661	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05801	2
MIPU	GREENWOOD 161KV	38,296,58	0.00429	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06033	2
WEPL	HARRER 138KV	6,73	0.00841	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05821	2
KACP	HAWTHORN 161KV	39	0.00423	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06039	2
WERE	HOLTON 115KV	7.6	0.00526	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05936	2
WERE	HUTCHINSON ENERGY CENTER 115KV	169	0.00474	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05988	2
WERE	HUTCHINSON ENERGY CENTER 69KV	77	0.00474	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05988	2
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00534	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05928	2
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00531	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05931	2
WEPL	JUDSON LARGE 115KV	8,566,665	0.00299	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06163	2
KACP	KAWI 69KV	242	0.00445	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06017	2
MIDW	KNOX 115KV	34,327,84	0.00403	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06059	2
AEWP	KNOXLEE 138KV	368,5747	-0.00266	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06728	2
MIPU	LAKE ROAD 161KV	91	0.00404	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06058	2
EMDE	LARUSSEL 161KV	196	0.00056	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06406	2
WERE	LAWRENCE ENERGY CENTER 230KV	42,020,2	0.00534	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05928	2
AEWP	LEBRACK 345KV	232	-0.00267	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06729	2
AEWP	LIEBERMAN 138KV	272	-0.00249	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06711	2
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00279	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06741	2
MIDW	LYONS 115KV	999	0.00481	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05981	2
KACP	MARSHALL 161KV	39.1	0.00208	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06182	2
AEWP	MID-CONTINENT 138KV	142,11	-0.00278	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0674	2
KACP	MONROSE 161KV	26,733	0.00375	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06087	2
KACY	NEARMAN 161KV	80	0.00446	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06016	2
MIPU	NEVADA 69KV	20.3	0.00256	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06167	2
AEWP	NORTH MARSHALL 69KV	5	-0.00263	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06725	2
KACP	NORTHEAST 13KV	232,7415	0.00429	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06033	2
KACP	NORTHEAST 161KV	277	0.00429	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06033	2
AEWP	NORTHEASTERN STATION 345KV	19,999,97	-0.00223	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06685	2
MIDW	PARMER 115KV	989	0.00469	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05989	2
AEWP	PIRKEY GENERATION 138KV	75	-0.00266	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06728	2
KACY	QUINDARO 161KV	123,5818	0.00445	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06017	2
KACP	QUINDARO 69KV	105	0.00445	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06017	2
MIPU	RALPH GREEN 69KV	73.77	0.00424	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06038	2
EMDE	RIVERTON 161KV	290	0.00044	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06418	2
EMDE	RIVERTON 69KV	22,577,88	0.00032	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.0643	2
MIPU	SIBLEY 161KV	16,950,23	0.00406	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06056	2
MIPU	SIBLEY 69KV	1,200,012	0.00408	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06054	2
WERE	SOUTH SENECA 115KV	9.3	0.00517	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05945	2
EMDE	STATE LINE 161KV	153,9225	0.0004	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06422	2
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00574	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05888	2
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00657	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05892	2
AEWP	TOMINTOWN 161KV	346.12	-0.00205	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06667	2
MIPU	TWIA 161KV	32.11	0.00431	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06031	2
WERE	WACO 138KV	30	0.01039	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05423	2
AEWP	WILKES 138KV	420,0903	-0.00276	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06738	2
AEWP	WILKES 345KV	186	-0.00272	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.06734	2
WERE	WYETT 69KV	35	0.02568	WERE	CITY OF AUGUSTA 69KV		20.02	0.06462	-0.05984	3
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF BURLINGTON 69KV		10042.96	0.00988	-0.03079	3
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF MULVANE 69KV		6.739	0.01376	-0.03557	3
OKGE	SOONER 138KV	5	-0.02181	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV		19.96	0.00988	-0.03079	3
OKGE	SOONER 138KV	5	-0.02181	EMDE	ELK RIVER 345KV		149,9975	0.0098	-0.03161	3
OKGE	SOONER 138KV	5	-0.02181	WERE	EVANS ENERGY CENTER 138KV		36	0.0298	-0.01199	3
OKGE	SOONER 138KV	5	-0.02181	WERE	GILL ENERGY CENTER 138KV		155	0.01042	-0.03223	3
OKGE	SOONER 138KV	5	-0.02181	WEPL	HARPER 138KV		8.49	0.00841	-0.03022	3

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To->From
 Line Outage: EL PASO - FARBER 138KV CKT 1
 Flowgate: 2007AG1AFS417804408SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season

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

WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	HAWTHORN 161KV	762	0.00423	-0.29526	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HOLTON 115KV	12.2	0.0026	-0.29629	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 115KV	255	0.0074	-0.29577	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.29577	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	IATAN 345KV	396	0.00449	-0.29552	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.29637	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 345KV	540	0.00531	-0.29634	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JUDSON LAKE 115KV	94.46138	0.00299	-0.29402	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	KNOLL 115KV	41.59616	0.00403	-0.29506	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	LACYGNE UNIT 345KV	958	0.00546	-0.29649	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 161KV	35	0.00404	-0.29507	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 24KV	92	0.00404	-0.29507	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	LAWRENCE ENERGY CENTER 230KV	227.2268	0.00534	-0.29637	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MARSHALL 161KV	15	0.0028	-0.29383	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MONROSE 161KV	354.1336	0.00375	-0.29478	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	NEARMAN 20KV	234.5	0.00446	-0.29549	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	NORTHEAST 13KV	24.43213	0.00429	-0.29532	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0042	-0.29523	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	QUINDARO 161KV	113.4181	0.00445	-0.29548	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	QUINDARO 69KV	72	0.00445	-0.29548	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 161KV	233.2629	0.00408	-0.29509	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 69KV	45.99999	0.00408	-0.29511	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.29576	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SOUTH HARPER 161KV	315	0.00458	-0.29661	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	SOUTH SENECA 115KV	8.5	0.00517	-0.29621	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	TELEPHONE ENERGY CENTER 115KV	193	0.00517	-0.29621	6
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	AES 161KV	320	-0.00251	-0.28852	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	CENTENIAL WIND 34KV	120	-0.01094	-0.28009	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COGENTRIX 345KV	200	-0.00393	-0.2871	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	KNOWLES 138KV	145	-0.00286	-0.28411	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 69KV	60	-0.00682	-0.28411	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	EASTMAN 138KV	355	-0.00268	-0.28835	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	ELLIS 69KV	6	-0.00244	-0.28859	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FITZLUIGH 161KV	120	-0.00215	-0.28888	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FLINT CREEK 161KV	400	-0.0188	-0.29515	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	FPLWIND2 34KV	102	-0.01108	-0.27995	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	HORSESHOE LAKE 138KV	352	-0.00767	-0.28336	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.28355	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	KNOWLES 138KV	54.4293	-0.00286	-0.28837	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	LARUSSEL 161KV	100	0.00056	-0.29159	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	LEBROCK 345KV	465	-0.00267	-0.28836	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MCCLAIN 138KV	470	-0.00772	-0.28331	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSKOGEE 161KV	146	-0.00344	-0.28759	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSKOGEE 345KV	1548	-0.00348	-0.29163	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	MUSTANG 138KV	193	-0.00794	-0.28309	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NARROWS 69KV	22	-0.00322	-0.28781	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 138KV	432	-0.00377	-0.28726	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.28888	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	OEC 345KV	289	-0.0034	-0.28763	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	OZARK BEACH 161KV	16	0.00015	-0.29118	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	PIRKEY GENERATION 138KV	213	-0.00266	-0.28837	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	REDBUD 345KV	100	-0.00735	-0.28348	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 161KV	35	0.0004	-0.29147	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 69KV	45.06131	0.00032	-0.29135	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 138KV	312.7279	-0.00693	-0.2841	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SEMINOLE 345KV	855	-0.00703	-0.284	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SMITH COGEN 138KV	107	-0.00789	-0.28314	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 69KV	106	-0.0218	-0.29022	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	OKGE	SOONER 345KV	537	-0.01303	-0.278	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00707	-0.28396	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00707	-0.28396	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	STATE LINE 161KV	420.0707	0.0004	-0.29143	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.28357	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WELSH 345KV	1044	-0.00296	-0.28807	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 138KV	67.93938	-0.00276	-0.28827	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	WILKES 345KV	125	-0.00272	-0.28831	7
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.29163	26
WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.29163	26
OKGE	SOUTH 4TH ST 69KV	42.7	-0.01619	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08081	23
OKGE	HORSESHOE LAKE 138KV	508	-0.00767	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07229	26
OKGE	MCCLAIN 138KV	50	-0.00772	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07234	26
OKGE	MUSTANG 138KV	172	-0.00794	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07265	26
OKGE	MUSTANG 69KV	106	-0.008	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07265	26
OKGE	REDBUD 345KV	1100	-0.00755	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07271	26
OKGE	SEMINOLE 345KV	174.6	-0.00703	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07165	26
AEPW	SOUTHWESTERN STATION 138KV	265	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	26
AEPW	SOUTHWESTERN STATION 345KV	625	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	26
OKGE	SPGCK1&2 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07361	26
OKGE	SPGCK3&4 13.200 345KV	168	-0.00899	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07361	26
OKGE	TINKER 50 138KV	62	-0.00753	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07215	26
21PW	COMANCHE 138KV	15	-0.00832	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	27
AEPW	KIOWA 345KV	1348	-0.00561	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07023	27
MIDW	rice 115kv	999	-0.00476	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06938	27
OKGE	SEMINOLE 138KV	192.2722	-0.00693	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07155	27
AEPW	WELKETRA 138KV	162	-0.00501	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06963	27
21PW	ARSENAL HILL 69KV	110	-0.0045	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06963	28
AEPW	COGENTRIX 345KV	694	-0.00393	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06855	28
AEPW	EASTMAN 138KV	130.01	-0.00268	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0673	28
AEPW	ELLIS 69KV	20	-0.00244	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06706	28
AEPW	FULTON 115KV	159	-0.00227	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06689	28
AEPW	KNOXLEE 138KV	368.5747	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	28
AEPW	LEBROCK 345KV	232	-0.00267	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06729	28
AEPW	LIEBERMAN 138KV	272	-0.00249	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06711	28
OKGE	LONESTAR POWER PLANT 69KV	50	-0.00279	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06741	28
AEPW	MID-CONTINENT 138KV	142.11	-0.00278	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0674	28
OKGE	MUSKOGEE 161KV	20	-0.00344	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06806	28
OKGE	MUSKOGEE 345KV	17	-0.0036	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06822	28
AEPW	NORTHEASTERN STATION 138KV	75.99997	-0.00377	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06839	28
AEPW	NORTHEASTERN STATION 345KV	159.99997	-0.00377	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06839	28
AEPW	OEC 345KV	1878.03	-0.0034	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06802	28
AEPW	PIRKEY GENERATION 138KV	75	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	28
AEPW	TONTOWN 161KV	346.12	-0.00205	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06667	28
AEPW	TULSA POWER STATION 138KV	307	-0.00394	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06856	28
AEPW	TULSA POWER STATION 69KV	80	-0.00394	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06856	28
AEPW	WILKES 138KV	420.0606	-0.00276	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06738	28
AEPW	WILKES 345KV	186	-						

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00534	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05928	32
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00531	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05931	32
KACY	KAWI 69KV	242	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	32
WERE	LAWRENCE ENERGY CENTER 230KV	41.77319	0.00534	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05928	32
MIDW	lyons 115kv	999	0.00481	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05981	32
MIDW	NEARMAN 161KV	80	0.00446	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06016	32
KACY	Lawmeh 115kv	999	0.00469	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05993	32
KACY	QUINDARO 161KV	123.5818	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	32
KACY	QUINDARO 69KV	105	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	32
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00574	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05888	32
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.0057	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05892	32
WERE	GILL ENERGY CENTER 138KV	49	0.00861	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05842	33
WERE	CITY OF BURLINGTON 69KV	16.38	0.00898	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05564	34
WERE	EVANS ENERGY CENTER 138KV	137.5918	0.01018	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05444	35
WERE	GILL ENERGY CENTER 138KV	84.99999	0.01042	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0542	35
WERE	WADO 138KV	30	0.01039	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05423	35
WERE	GTTY 69KV	25	0.02968	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05894	49

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Limiting Facility: ROSE HILL JUNCTION - WEAVER 69KV CKT 1
 Direction: To-From
 Line Outage: FARMER - SUMNER COUNTY NO. 10 BELLE PLAIN 138KV CKT 1
 Flowgate: 2007AG1AFS41T834408SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222644	0.1	0.4	WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	0.00388	-0.29491	1
1222932	0.3	0.4	WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	AES 161KV	320	-0.00251	-0.28852	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ASBURY 161KV	191	0.0125	-0.28228	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	BULL CREEK 161KV	308	0.00473	-0.29578	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	CENTENIAL WIND 34KV	120	-0.01094	-0.28009	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CHANUTE 69KV	50.687	0.004	-0.29503	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.35586	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00898	-0.30001	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF ERIE 69KV	2	0.004	-0.29503	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF FREDONIA 69KV	3.19	0.00448	-0.29551	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF GIRARD 69KV	3.6	0.00223	-0.29326	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CITY OF MULVANE 69KV	6.79	0.01376	-0.30478	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CLAY CENTER JUNCTION 115KV	11.2	0.0053	-0.29633	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	CLIFTON 115KV	51.77484	0.00505	-0.29608	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.30001	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COGENTRIX 345KV	200	-0.00993	-0.2871	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	COLBY 115KV	13.06666	0.00242	-0.29245	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 138KV	145	-0.00692	-0.28411	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	COMANCHE 69KV	60	-0.00692	-0.28411	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	EASTMAN 138KV	355	-0.00268	-0.28835	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	ELK RIVER 345KV	149.9975	0.0098	-0.30083	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	ELLIS 69KV	6	-0.00242	-0.28689	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00611	-0.29714	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	EVANS ENERGY CENTER 138KV	485.4082	0.01018	-0.30121	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FITZLUUGH 161KV	120	-0.00215	-0.28888	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	FLINT CREEK 161KV	400	-0.01088	-0.28915	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	FPLWIND2 34KV	102	-0.01108	-0.27995	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GILL ENERGY CENTER 138KV	155	0.01042	-0.30145	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GILL ENERGY CENTER 69KV	52	0.00661	-0.29764	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.29401	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPARVILLE 230KV	22.98043	0.00243	-0.29346	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	GREENWOOD 161KV	209.5034	0.00429	-0.29532	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HARPER 138KV	8.49	0.00841	-0.29944	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	HAWTHORN 161KV	762	0.00423	-0.29526	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HOLTON 115KV	12.2	0.00528	-0.29529	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	HORSESHOE LAKE 138KV	352	-0.00767	-0.28338	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.28355	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 115KV	255	0.00474	-0.29577	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.29577	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	IATAN 345KV	306	0.00449	-0.29562	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.29637	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.29634	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	JUDSON LARGE 115KV	94.46138	0.00299	-0.29402	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIDW	KNOLLE 115KV	41.59816	0.0045	-0.29596	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	KNOXLEE 138KV	54.4253	-0.00268	-0.28831	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	LACYGNE UNIT 345KV	958	0.00546	-0.29649	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 161KV	35	0.00404	-0.29507	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	LAKE ROAD 34KV	92	0.00404	-0.29507	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	LARISSEL 161KV	289	-0.0058	-0.29169	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WERE	LAWRENCE ENERGY CENTER 230KV	227.2268	0.00534	-0.29637	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	LEBROCK 345KV	465	-0.00267	-0.28836	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MARSHALL 161KV	15	0.0028	-0.29383	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	MCCLAIN 138KV	470	-0.00772	-0.28331	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	MONTROSE 161KV	354.1336	0.00375	-0.29478	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	MUSKOGEE 161KV	146	-0.00344	-0.28759	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	MUSKOGEE 345KV	1548	-0.0036	-0.28743	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	MUSTANG 138KV	193	-0.00794	-0.28509	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NARROWS 69KV	2	-0.0022	-0.29781	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	NEARMAN 20KV	234.5	0.00446	-0.29549	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	NORTHEAST 13KV	24.43213	0.00429	-0.29532	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 138KV	432	-0.00377	-0.28726	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.2898	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	OEC 345KV	289	-0.0024	-0.28763	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	OZARK BEACH 161KV	16	0.00015	-0.29118	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0042	-0.29523	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	AEPW	PIRKEY GENERATION 138KV	213	-0.00286	-0.28837	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	QUINDARO 161KV	113.4181	0.00445	-0.29548	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	KACY	QUINDARO 69KV	72	0.00445	-0.29548	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	REBUD 345KV	100	-0.00755	-0.28348	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 161KV	35	0.00044	-0.29147	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	EMDE	RIVERTON 69KV	45.06131	0.00032	-0.29135	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	SEMINOLE 138KV	312.7279	-0.00693	-0.2941	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	WKGE	SEMINOLE 345KV	855	-0.00703	-0.284	1
			WERE	CITY OF WINFIELD 69KV	40	-0.29103	MIPU	SIBLEY 161KV	233.2629	0.00406</		

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

WERE	OXFORD 138KV		3	-0.13755	WEPFL	CLIFFTON 115KV	51.77484	0.00505	-0.1428	3
WERE	OXFORD 138KV		3	-0.13755	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.14653	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	COGENTRIX 345KV	200	-0.0393	-0.13262	3
WERE	OXFORD 138KV		3	-0.13755	MIDW	COLBY 115KV	13.06666	0.00242	-0.13997	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	COMANCHE 138KV	145	-0.00692	-0.13063	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	COMANCHE 69KV	60	-0.00692	-0.13063	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	EASTMAN 138KV	355	-0.00288	-0.13487	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	ELK RIVER 345KV	149.9076	0.0098	-0.14173	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	ELLIS 69KV	6	-0.00244	-0.13511	3
WERE	OXFORD 138KV		3	-0.13755	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00611	-0.14366	3
WERE	OXFORD 138KV		3	-0.13755	WERE	EVANS ENERGY CENTER 138KV	485.4092	0.01018	-0.14773	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	FITZHUGH 161KV	120	-0.0215	-0.1345	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	FLINT CREEK 161KV	400	-0.00188	-0.13567	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	FPLWIND2 34KV	102	-0.01108	-0.12647	3
WERE	OXFORD 138KV		3	-0.13755	WERE	GILL ENERGY CENTER 138KV	155	0.01042	-0.14797	3
WERE	OXFORD 138KV		3	-0.13755	WERE	GILL ENERGY CENTER 69KV	52	0.00661	-0.14416	3
WERE	OXFORD 138KV		3	-0.13755	WEPFL	GRAY COUNTY WIND FARM 115KV	36	0.00298	-0.14053	3
WERE	OXFORD 138KV		3	-0.13755	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	0.00243	-0.13998	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	GREENWOOD 161KV	209.5034	0.00429	-0.14184	3
WERE	OXFORD 138KV		3	-0.13755	WEPFL	HARPER 138KV	8.49	0.00841	-0.14596	3
WERE	OXFORD 138KV		3	-0.13755	WEPFL	HAWTHORN 161KV	762	0.00423	-0.14178	3
WERE	OXFORD 138KV		3	-0.13755	WERE	HOLTON 115KV	12.2	0.00526	-0.14281	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	HORSESHOE LAKE 138KV	352	-0.00767	-0.12988	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	HORSESHOE LAKE 69KV	16	-0.00748	-0.13007	3
WERE	OXFORD 138KV		3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 115KV	255	0.00474	-0.14229	3
WERE	OXFORD 138KV		3	-0.13755	WERE	HUTCHINSON ENERGY CENTER 69KV	30	0.00474	-0.14229	3
WERE	OXFORD 138KV		3	-0.13755	KACP	IATAN 345KV	396	0.00449	-0.14204	3
WERE	OXFORD 138KV		3	-0.13755	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00534	-0.14289	3
WERE	OXFORD 138KV		3	-0.13755	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00531	-0.14286	3
WERE	OXFORD 138KV		3	-0.13755	KACP	JUDSON LAKE 115KV	94.46138	0.00289	-0.14036	3
WERE	OXFORD 138KV		3	-0.13755	MIDW	KNOLL 115KV	41.59616	0.00403	-0.14158	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	KNOXLEE 138KV	54.4253	-0.00266	-0.13489	3
WERE	OXFORD 138KV		3	-0.13755	KACP	LACYGNE UNIT 345KV	958	0.00546	-0.14301	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	LAKE ROAD 161KV	35	0.00404	-0.14159	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	LAKE ROAD 34KV	92	0.00404	-0.14159	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	LARUSSEL 161KV	100	0.00556	-0.13811	3
WERE	OXFORD 138KV		3	-0.13755	WERE	LAWRENCE ENERGY CENTER 230KV	227.2268	0.00534	-0.14289	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	LEBROCK 345KV	465	-0.00267	-0.13488	3
WERE	OXFORD 138KV		3	-0.13755	KACP	MARSHALL 161KV	15	0.0028	-0.14036	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	MCCLAIN 138KV	470	-0.00772	-0.12983	3
WERE	OXFORD 138KV		3	-0.13755	KACP	MONTROSE 161KV	354.1336	0.00375	-0.1413	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	MUSKOGEE 161KV	146	-0.00344	-0.13411	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	MUSKOGEE 345KV	1548	-0.0036	-0.13955	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	MUSTANG 138KV	193	-0.00784	-0.14281	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	NARROWS 69KV	22	-0.00322	-0.13433	3
WERE	OXFORD 138KV		3	-0.13755	KACY	NEARMAN 20KV	234.5	0.00446	-0.14201	3
WERE	OXFORD 138KV		3	-0.13755	KACP	NORTHEAST 13KV	24.43213	0.00429	-0.14184	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	NORTHEASTERN STATION 138KV	625	-0.00377	-0.13578	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	NORTHEASTERN STATION 345KV	625	-0.00223	-0.13523	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	DEC 345KV	269	-0.0034	-0.13415	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	OZARK BEACH 161KV	16	0.00015	-0.1377	3
WERE	OXFORD 138KV		3	-0.13755	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0042	-0.14175	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	PIREX GENERATION 138KV	11	-0.00286	-0.14036	3
WERE	OXFORD 138KV		3	-0.13755	KACY	QUINDARO 161KV	113.4181	0.00445	-0.142	3
WERE	OXFORD 138KV		3	-0.13755	KACY	QUINDARO 69KV	72	0.00445	-0.142	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	REDBUD 345KV	100	-0.00755	-0.13	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	RIVERTON 161KV	35	0.00044	-0.13799	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	RIVERTON 69KV	45.06131	0.00392	-0.13107	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	SEMINOLE 138KV	312.7279	-0.00693	-0.13062	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	SEMINOLE 345KV	855	-0.00703	-0.13052	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	SIBLEY 161KV	233.2629	0.00406	-0.14161	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	SIBLEY 69KV	45.99969	0.00408	-0.14163	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	SMITH COGEN 138KV	107	-0.00789	-0.12966	3
WERE	OXFORD 138KV		3	-0.13755	WERE	SMOKEY HILLS 34KV	51	0.00473	-0.14228	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	SOONER 138KV	535	-0.02181	-0.11574	3
WERE	OXFORD 138KV		3	-0.13755	OKGE	SOONER 345KV	537	-0.01303	-0.12462	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	SOUTH HARPER 161KV	315	0.00455	-0.13483	3
WERE	OXFORD 138KV		3	-0.13755	WERE	SOUTH SENECA 115KV	8.5	0.00517	-0.14272	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00707	-0.13048	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00707	-0.13048	3
WERE	OXFORD 138KV		3	-0.13755	EMDE	STATE LINE 161KV	420.0767	0.0034	-0.13785	3
WERE	OXFORD 138KV		3	-0.13755	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00574	-0.14329	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	WEATHERFORD 34KV	148	-0.00746	-0.13009	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	WELSH 345KV	1044	-0.00296	-0.13459	3
WERE	OXFORD 138KV		3	-0.13755	AEPW	WILKES 138KV	67.93938	-0.00276	-0.13479	3
WERE	OXFORD 138KV		3	-0.13755	MIPU	WILKES 345KV	315	0.00272	-0.13483	3
OKGE	SOONER 138KV		5	-0.02181	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08643	4
AEPW	COGENTRIX 345KV		694	-0.00393	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08655	5
AEPW	COMANCHE 138KV		15	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	5
OKGE	COMANCHE 69KV		3	-0.00692	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07154	5
OKGE	HORSESHOE LAKE 138KV		508	-0.00767	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07223	5
AEPW	KIOWA 345KV		1348	-0.00561	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07023	5
OKGE	MCCLAIN 138KV		50	-0.00772	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07234	5
OKGE	MUSKOGEE 161KV		20	-0.00344	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08006	5
OKGE	MUSKOGEE 345KV		171	-0.00368	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08222	5
OKGE	MUSTANG 138KV		172.5	-0.00794	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07256	5
OKGE	MUSTANG 69KV		106	-0.008	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07262	5
AEPW	NARROWS 69KV		3	-0.00322	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08784	5
WEPFL	NORTHEASTERN STATION 138KV		75.99971	-0.00377	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06399	5
AEPW	DEC 345KV		1878.03	-0.0034	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06802	5
OKGE	REDBUD 345KV		1100	-0.00755	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07217	5
MIDW	rice 115kv		999	-0.00476	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06938	5
OKGE	SEMINOLE 138KV		192.7272	-0.00693	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07155	5
OKGE	SEMINOLE 345KV		174.6	-0.00703	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07165	5
OKGE	SMITH COGEN 138KV		3	-0.00789	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07251	5
OKGE	SOONER 345KV		3	-0.01303	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07765	5
OKGE	SOUTH 4TH ST 69KV		42.7	-0.01619	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.08081	5
WEPFL	SOUTHWESTERN STATION 138KV		266	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	5
AEPW	SOUTHWESTERN STATION 345KV		803	-0.00707	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07169	5
OKGE	SPGCK1&2 13.200 345KV		168	-0.00899	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07361	5
OKGE	SPGCK3&4 13.200 345KV		168	-0.00899	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07361	5
OKGE	TINKER 5G 138KV		62	-0.00753	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.07215	5
AEPW</										

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

Source	Control Area	Aggregate Relief Amount (MW)	GSF	Sink Control Area	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WEPL	JUDSON LARGE 115KV	8.53862	0.00299	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06163	6
KACY	KAW 69KV	242	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	6
MIDW	KNOLL 115KV	34.23784	0.00403	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06069	6
AEPW	KNOXLEE 138KV	368.5747	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	6
MIPU	LAKE ROAD 161KV	91	0.00404	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06058	6
EMDE	LARUSSEL 161KV	196	0.00596	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06406	6
WERE	LAWRENCE ENERGY CENTER 230KV	41.77319	0.00534	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05928	6
AEPW	LEBRACK 345KV	232	-0.00287	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06794	6
AEPW	LIEBERMAN 138KV	272	-0.00249	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06711	6
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00279	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06741	6
MIDW	LYONS 115KV	999	0.00481	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05981	6
KACP	MARSHALL 161KV	39.1	0.00208	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06182	6
AEPW	MID-CONTINENT 138KV	142.11	-0.00278	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0674	6
KACP	MONTROSE 161KV	26.86641	0.00375	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06087	6
KACY	NEARMAN 161KV	80	0.00446	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06016	6
MIPU	NEVADA 69KV	20.3	0.00296	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06167	6
AEPW	NORTH MARSHALL 69KV	232.5679	0.00429	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06033	6
KACP	NORTHEAST 13KV	277	0.00429	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06033	6
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00223	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06685	6
MIDW	PARSONS 115KV	999	0.00469	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05993	6
AEPW	PIRKEY GENERATION 138KV	75	-0.00266	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06728	6
KACY	QUINDARO 161KV	123.5819	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	6
KACY	QUINDARO 69KV	105	0.00445	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06017	6
MIPU	RALPH GREEN 69KV	73.7	0.00424	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06038	6
EMDE	RIVERTON 161KV	292	0.00044	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06418	6
EMDE	RIVERTON 69KV	22.93868	0.00032	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0643	6
MIPU	SIBLEY 161KV	16.73706	0.00406	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06056	6
WERE	SOUTH SENeca 115KV	8.2	0.00517	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05945	6
EMDE	STATE LINE 161KV	185.9235	0.0034	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06422	6
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00574	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05888	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.0057	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05892	6
AEPW	TONTTOWN 161KV	346.12	-0.00205	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06667	6
MIPU	TWR 161KV	32.1	0.00431	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06031	6
AEPW	WILKES 138KV	420.0606	-0.00276	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06738	6
AEPW	WILKES 345KV	186	-0.00272	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.06734	6
WERE	CITY OF BURLINGTON 69KV	16.38	0.00898	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05654	7
WERE	CITY OF MULVANE 69KV	9.051001	0.01376	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0598	7
WERE	EVANS ENERGY CENTER 138KV	137.5918	0.01018	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05444	7
WERE	GILL ENERGY CENTER 138KV	84.98999	0.01042	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.0542	7
WEPL	HARPER 138KV	8.72	0.00841	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05621	7
WERE	WACO 138KV	30	0.01039	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.05423	7
WERE	GETTY 69KV	35	0.02588	WERE	CITY OF AUGUSTA 69KV	20.02	0.06462	-0.03894	10
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF MULVANE 69KV	8.759	0.01376	-0.03199	12
OKGE	SOONER 138KV	5	-0.02181	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00898	-0.03079	12
OKGE	SOONER 138KV	5	-0.02181	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00898	-0.03079	12
OKGE	SOONER 138KV	5	-0.02181	EMDE	ELK RIVER 345KV	149.9975	0.0098	-0.03161	12
OKGE	SOONER 138KV	5	-0.02181	WERE	EVANS ENERGY CENTER 138KV	485.4002	0.01018	-0.03199	12
OKGE	SOONER 138KV	5	-0.02181	WERE	GILL ENERGY CENTER 138KV	155	0.01042	-0.03223	12
OKGE	SOONER 138KV	5	-0.02181	WEPL	HARPER 138KV	8.49	0.00841	-0.03022	12

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

Upgrade: SUB 145 - JOPLIN WEST 7TH - SUB 341 - JOPLIN NORTHWEST 69KV CKT 1
 Limiting Facility: SUB 145 - JOPLIN WEST 7TH - SUB 341 - JOPLIN NORTHWEST 69KV CKT 1
 Direction: From S to N
 Line Outage: SUB 110 - ORONOJO JCT. - SUB 145 - JOPLIN WEST 7TH 161KV CKT 1
 Flowgate: 2007AG1AFS41T2373309SP
 Date Redispatch Needed: Starting 2009/6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	0.4	0.4	EMDE	ASSBURY 161KV	20	-0.01947	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.12021	3
			WERE	CITY OF GIRARD 69KV	7.31	-0.00874	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10948	3
			EMDE	LARUSSEL 161KV	198	-0.01028	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.11077	4
			WERE	ABLENE ENERGY CENTER 115KV	5.999966	-0.00007	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10144	4
			AEPW	ARSENAL HILL 69KV	110	0.00103	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09971	4
			SWPA	BEAVER 161KV	20.10843	0.00309	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09765	4
			WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.00642	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10116	4
			SWPA	BROKEN BOW 138KV	15.32318	-0.00157	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10178	4
			SWPA	BULL SHOALS 161KV	107.3672	-0.00044	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10118	4
			WERE	CHANUTE 69KV	24.563	-0.00141	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10215	4
			WERE	CITY OF AUGUSTA 69KV	17.94	0.00015	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10059	4
			WERE	CITY OF BURLINGTON 69KV	13.77	-0.00033	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10107	4
			WERE	CITY OF ERIE 69KV	24.53	-0.00141	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10215	4
			WERE	CITY OF FREDONIA 69KV	7.104	0.00024	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10005	4
			WERE	CITY OF IOLA 69KV	42.878	-0.00272	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10346	4
			WERE	CITY OF MULVANE 69KV	7.5	0.00017	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10057	4
			WERE	CITY OF NEODESHA 69KV	6.738	0.00056	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09907	4
			WERE	CITY OF WINFIELD 69KV	27.30999	0.00077	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09997	4
			SWPA	CLARENCE CANNON DAM 69KV	8.064972	-0.00111	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10184	4
			WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.00076	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.1015	4
			AEPW	COCENTRIX 345KV	179	0.00303	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09771	4
			AEPW	COMANCHE 138KV	15	0.00191	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09884	4
			AEPW	COMANCHE 69KV	3	0.00191	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09883	4
			SWPA	DENISON 138KV	9.678486	0.00202	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09872	4
			AEPW	EASTMAN 138KV	330.01	0.00111	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09963	4
			WERE	ELLINWOOD 115KV	2.9	-0.00031	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10105	4
			AEPW	ELLIS 69KV	19.4	0.00218	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09856	4
			WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.00075	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10149	4
			SWPA	EUPAULA 138KV	8.267307	0.00261	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09813	4
			SWPA	EUPAULA 161KV	11.391617	0.00261	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09813	4
			WERE	EVANS ENERGY CENTER 138KV	38	0.00011	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10063	4
			AEPW	FITZHUGH 161KV	17	0.00178	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09896	4
			AEPW	FLINT CREEK 161KV	28	0.00367	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09707	4
			AEPW	FULTON 115KV	32.99999	0.001	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09974	4
			WERE	GETTY 69KV	35	0.00039	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10065	4
			WERE	GILL ENERGY CENTER 138KV	84.99999	0.00014	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.1006	4
			WERE	GILL ENERGY CENTER 69KV	8	0.00016	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10058	4
			GRDA	GRDA 161KV	64.01944	0.00487	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09587	4
			SWPA	GREENS FERRY 161KV	15.32318	0.00046	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10028	4
			WERE	HOLTON 115KV	7.6	-0.00099	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10173	4
			WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.00022	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10096	4
			WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00022	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10096	4
			WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00093	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10167	4
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Table 6 - Potential Redispatch Relief Pairs to Prevent Deferral of Service

Source	Relief	Maximum Decrement (MW)	GSF	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	POPLAR BLUFF 69KV	13	-0.0031	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10105
SWPA	ROBERT S. KERR 161KV	70.9135	0.00223	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09851
GRDA	SALINA 161KV	60.38632	0.00513	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09561
WERE	SOUTH SENECA 115KV	8.2	-0.00093	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10167
SPRM	SOUTHWEST 161KV	83.46368	-0.0028	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10354
AEPW	SOUTHWESTERN STATION 138KV	141	0.00193	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09881
AEPW	SOUTHWESTERN STATION 138KV	16	0.00193	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09881
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00098	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10172
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00098	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10172
AEPW	TONTITOWN 161KV	152.2621	0.00352	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09722
SWPA	TRUMAN 161KV	76.53462	-0.00288	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.10362
AEPW	TULSA POWER STATION 138KV	3	0.00318	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09756
AEPW	TULSA POWER STATION 69KV	80	0.00318	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09756
WERE	WACO 138KV	30	0.00014	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.1006
SWPA	WEBBERS FALLS 161KV	29.45146	0.00285	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09789
AEPW	WELEETKA 138KV	162	0.00258	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09816
AEPW	WILKES 138KV	41.28495	0.00114	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.0996
AEPW	WILKES 345KV	3	0.00113	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.09961
EMDE	RIVERTON 161KV	95	0.02292	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.07782
EMDE	STATE LINE 161KV	2,724,403	0.03592	EMDE	RIVERTON 69KV	51.89206	0.10074	-0.06482
EMDE	ASBURY 161KV	20	-0.01947	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.0539
WERE	CITY OF GIRARD 69KV	7.1	-0.00874	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.04466
EMDE	LARUSSEL 161KV	196	-0.01029	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.04621
EMDE	ASBURY 161KV	20	-0.01947	EMDE	RIVERTON 161KV	190	0.02292	-0.04239
SPRM	PHELPS AVENUE-MAIN AVENUE 69KV	12	-0.00294	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03886
SPRM	SOUTHWEST 161KV	83.46368	-0.0028	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03886
SWPA	TRUMAN 161KV	76.53462	-0.00288	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.0388
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.0007	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03662
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.00042	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03634
SWPA	BULL SHOALS 161KV	107.3673	-0.00044	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03636
WERE	CHANUTE 69KV	24.563	-0.00141	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03733
WERE	CITY OF AUGUSTA 69KV	17.94	0.00015	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03577
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00033	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03625
WERE	CITY OF ERIE 69KV	24.53	-0.00141	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03733
WERE	CITY OF FREDONIA 69KV	7.104	0.00024	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03568
WERE	CITY OF IOLA 69KV	42.878	-0.00272	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03864
WERE	CITY OF MULVANE 69KV	7.5	0.00017	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03575
WERE	CITY OF NEODESHA 69KV	6.738	0.00059	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03536
WERE	CITY OF WINFIELD 69KV	27.30999	0.00077	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03515
SWPA	CLARENCE CANNON DAM 69KV	8,064,872	-0.0011	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03702
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.00076	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03668
WERE	EMPORIA ENERGY CENTER 345KV	308.8	-0.00075	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03667
WERE	EVANS ENERGY CENTER 138KV	38	0.00011	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03581
WERE	GETTY 69KV	25	0.00039	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03583
WERE	GILL ENERGY CENTER 138KV	84.99999	0.00014	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03578
WERE	GILL ENERGY CENTER 69KV	8	0.00016	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03576
SWPA	GREENS FERRY 161KV	15,323,319	0.00046	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03546
WERE	HOKTON 115KV	7.4	-0.00099	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03614
WERE	HUTCHINSON ENERGY CENTER 115KV	243.1678	-0.00022	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03614
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00022	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03614
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00093	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03685
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00093	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03685
SWPA	JONESBORO 161KV	12.65	0.00003	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03604
SWPA	KENNETT 69KV	29	-0.00012	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03604
WERE	LAWRENCE ENERGY CENTER 230KV	35,052,43	-0.0011	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03702
SWPA	MALDEN 69KV	10	-0.00017	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03609
SPRM	MCCARTNEY 161KV	4	-0.00269	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03861
SWPA	PARAGOLD 69KV	12	-0.00048	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03805
SWPA	PIGGOTT 69KV	7.5	-0.00014	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03606
SWPA	POPLAR BLUFF 69KV	13	-0.00031	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03623
WERE	SOUTH SENECA 115KV	8.2	-0.00093	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03665
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00098	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03669
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00098	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03669
WERE	WACO 138KV	30	0.00014	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03578
AEPW	ARSENAL HILL 69KV	110	0.00103	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03489
AEPW	BEAVER 161KV	20.10843	0.00309	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03283
SWPA	BROKEN BOW 138KV	15,323,319	0.00167	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03425
AEPW	COGENTRIX 345KV	179	0.00303	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03289
AEPW	COMANCHE 138KV	15	0.00019	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03402
SWPA	DENISON 138KV	9,678,486	0.00202	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03339
AEPW	EASTMAN 138KV	330.01	0.00111	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03461
AEPW	ELLIS 69KV	19.4	0.00218	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03374
SWPA	EUFULA 138KV	8,267,307	0.00261	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03331
SWPA	EUFULA 161KV	11,391,817	0.00261	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03331
AEPW	FITZHUGH 161KV	17	0.00178	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03414
AEPW	FLINT CREEK 161KV	28	0.00367	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03225
AEPW	FULTON 115KV	32.99999	0.001	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03492
SWPA	KEYSTONE DAM 161KV	47,998,04	0.00302	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03272
AEPW	KIOWA 345KV	1348	0.00207	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03385
AEPW	KNOXLEE 138KV	138	0.0011	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03462
EMDE	LARUSSEL 161KV	196	-0.01029	EMDE	RIVERTON 161KV	190	0.02292	-0.03321
AEPW	LEBROCK 345KV	532	0.00111	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03481
AEPW	LIEBERMAN 138KV	72	0.00105	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03487
AEPW	LONESTAR POWER PLANT 69KV	50	0.00115	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03477
AEPW	NORTH MARSHALL 69KV	5	0.00111	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03465
AEPW	NORTHEASTERN STATION 345KV	19.99997	0.0028	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03312
AEPW	OEC 345KV	1778.03	0.00306	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03286
SWPA	OZARK 161KV	44,097	0.00178	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03414
AEPW	PIRKEY GENERATION 138KV	45	0.0011	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03462
SWPA	ROBERT S. KERR 161KV	70.9135	0.00223	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03369
AEPW	SOUTHWESTERN STATION 138KV	141	0.00193	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03399
AEPW	SOUTHWESTERN STATION 138KV	16	0.00193	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03399
AEPW	TONTITOWN 161KV	152.2621	0.00352	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03304
AEPW	TULSA POWER STATION 69KV	80	0.00318	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03274
SWPA	WEBBERS FALLS 161KV	29.45146	0.00285	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03347
AEPW	WELEETKA 138KV	162	0.00258	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03334
AEPW	WILKES 138KV	41.28495	0.00114	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03478
EMDE	ASBURY 161KV	20	-0.01947	GRDA	PENSACOLA 161KV	33	0.01158	-0.03868
WERE	CITY OF GIRARD 69KV	7.1	-0.00874	EMDE	RIVERTON 161KV	190	0.02292	-0.03166
GRDA	GRDAT 161KV	64.01944	0.00487	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03105
GRDA	KERR 115KV	28.5	0.00584	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03008
GRDA	KERR 161KV	28.5	0.00513	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03079
AEPW	MID-CONTINENT 138KV	142.11	0.0054	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03052
AEPW	NORTHEASTERN STATION 138KV	19.99997	0.00465	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03127
GRDA	SALINA 161KV	60.38632	0.00513	EMDE	STATE LINE 161KV	603.2756	0.03592	-0.03079

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: SUB 271 - BAXTER SPRINGS WEST - SUB 404 - HOCKERVILLE 69KV CKT 1
 Limiting

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

EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	FITZMUNG 161KV	126	0.00776	-0.17735	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	FLINT CREEK 161KV	400	0.00826	-0.17785	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	GRDA	GRDA1 345KV	100	0.02028	-0.18887	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	KEYSTONE DAM 161KV	145,2682	0.01496	-0.18455	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	NORTHEASTERN STATION 345KV	625	0.01077	-0.18036	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	OEC 345KV	369	0.0132	-0.18279	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	OZARK 161KV	125,3411	0.00775	-0.17734	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	ROBERT S KERR 161KV	282,187	0.0102	-0.1778	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	SOUTHWESTERN STATION 138KV	169	0.00821	-0.1778	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.1778	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	WEATHERFORD 34KV	12	0.00772	-0.17731	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	WEBBER FALLS 161KV	33,47743	0.01377	-0.18038	9
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	BEAVER 161KV	122,2323	-0.00664	-0.16295	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	BULL SHOALS 161KV	282,9641	-0.0053	-0.16420	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	CHANUTE 69KV	44,289	-0.0091	-0.16049	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	CITY OF AUGUSTA 69KV	13,96	-0.00236	-0.16723	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	CITY OF BURLINGTON 69KV	10023,8	0.00424	-0.16535	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	CITY OF MULVANE 69KV	4,509	-0.00219	-0.1674	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	CLAY CENTER JUNCTION 115KV	6,7	-0.00421	-0.16538	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19,61	-0.00424	-0.16535	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	EASTMAN 138KV	155	0.00467	-0.17426	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	ELK RIVER 345KV	67,88465	-0.00445	-0.16514	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	EVANS ENERGY CENTER 138KV	230,4587	-0.002	-0.16759	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	GREERS FERRY 161KV	79,90746	0.00097	-0.17056	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	HOLTON 115KV	6	-0.00455	-0.16504	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	HUTCHINSON ENERGY CENTER 115KV	292	0.0116	-0.16843	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00454	-0.16505	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00454	-0.16505	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	JONESBORO 161KV	66	-0.0031	-0.16928	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	KNOXLEE 138KV	164	0.00463	-0.17423	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	LAWRENCE ENERGY CENTER 230KV	232,2366	-0.00493	-0.16466	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	LEBROCK 345KV	265	0.00466	-0.17425	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SPRM	MCCARTNEY 161KV	10,4	-0.00971	-0.15988	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	PIRKEY GENERATION 138KV	223	0.00466	-0.17425	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	SIXTON 161KV	235	0.0116	-0.16843	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	SMOKE HILLS 34KV	126	-0.00365	-0.16594	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	SOUTH SENECA 115KV	4	-0.00428	-0.16631	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00465	-0.16494	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	TRUMAN 161KV	87,28046	-0.00653	-0.16306	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	WELSH 345KV	1044	0.00509	-0.17468	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	WILKES 138KV	208,0969	0.00481	-0.1744	10
EMDE	RIVERTON 69KV	23.2728	-0.16959	AEPW	WILKES 345KV	284,3555	0.00475	-0.17434	10
EMDE	RIVERTON 161KV	295	-0.06657	GRDA	PENSACOLA 161KV	11	0.09023	-0.1598	11
EMDE	RIVERTON 69KV	23.2728	-0.16959	SPRM	JAMES RIVER 69KV	227,257	-0.106	-0.15862	11
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	OZARK BEACH 161KV	16	-0.01141	-0.15818	11
EMDE	RIVERTON 69KV	23.2728	-0.16959	SPRM	SOUTHWEST 161KV	178	-0.01027	-0.15932	11
EMDE	STATE LINE 161KV	374,2047	-0.06157	GRDA	PENSACOLA 161KV	11	0.09023	-0.1518	11
EMDE	RIVERTON 69KV	23.2728	-0.16959	SWPA	CARTHAGE 69KV	100	-0.03312	-0.15247	12
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	LARUSSEL 161KV	122	-0.03527	-0.13432	12
EMDE	ASBURY 161KV	20	-0.0425	GRDA	PENSACOLA 161KV	11	0.09023	-0.13273	13
EMDE	LARUSSEL 161KV	196	-0.03527	GRDA	PENSACOLA 161KV	11	0.09023	-0.1255	13
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	ASBURY 161KV	191	-0.0425	-0.12709	13
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	PENSACOLA 161KV	11	0.09023	-0.12425	14
WERE	CITY OF GIRARD 69KV	10,7	-0.02502	GRDA	PENSACOLA 161KV	11	0.09023	-0.11525	15
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	STATE LINE 161KV	231,7953	-0.06157	-0.10802	15
WERE	CITY OF IOLA 69KV	42,878	-0.01336	GRDA	PENSACOLA 161KV	11	0.09023	-0.10359	16
EMDE	RIVERTON 161KV	295	-0.06657	GRDA	KERR 115KV	13,5	0.03584	-0.10241	16
EMDE	RIVERTON 69KV	23.2728	-0.16959	EMDE	RIVERTON 161KV	36	-0.0665	-0.10302	16
SWPA	BEAVER 161KV	43,37669	-0.00664	GRDA	PENSACOLA 161KV	11	0.09023	-0.09687	17
WERE	CHANUTE 69KV	36,311	-0.0091	GRDA	PENSACOLA 161KV	11	0.09023	-0.09333	17
WERE	CITY OF ERIE 69KV	24,53	-0.0091	GRDA	PENSACOLA 161KV	11	0.09023	-0.09333	17
SPRM	JAMES RIVER 161KV	159	-0.01024	GRDA	PENSACOLA 161KV	11	0.09023	-0.10247	17
SPRM	JAMES RIVER 69KV	8,742874	-0.01067	GRDA	PENSACOLA 161KV	11	0.09023	-0.1009	17
SPRM	MCCARTNEY 161KV	93,6	-0.00971	GRDA	PENSACOLA 161KV	11	0.09023	-0.09994	17
SPRM	PHELPS AVENUE-MAIN AVENUE 69KV	12	-0.01062	GRDA	PENSACOLA 161KV	11	0.09023	-0.10085	17
EMDE	RIVERTON 161KV	295	-0.06657	GRDA	KERR 161KV	13,5	0.02954	-0.09811	17
EMDE	RIVERTON 161KV	295	-0.06657	GRDA	SALINA 161KV	37,96761	0.02954	-0.09811	17
SPRM	SOUTHWEST 161KV	104	-0.01027	GRDA	PENSACOLA 161KV	11	0.09023	-0.1005	17
EMDE	STATE LINE 161KV	374,2047	-0.06157	GRDA	KERR 115KV	13,5	0.03584	-0.09741	17
WERE	TRUMAN 161KV	92,71956	-0.00653	GRDA	PENSACOLA 161KV	11	0.09023	-0.09676	17
WERE	ASBURY ENERGY CENTER 115KV	66	-0.0041	GRDA	PENSACOLA 161KV	11	0.09023	-0.0931	18
SWPA	BPJ - CITY OF MCPHERSON 115KV	232	-0.00368	GRDA	PENSACOLA 161KV	11	0.09023	-0.05381	18
SWPA	BULL SHOALS 161KV	106,638	-0.0053	GRDA	PENSACOLA 161KV	11	0.09023	-0.09533	18
WERE	CITY OF AUGUSTA 69KV	21,16999	-0.00236	GRDA	PENSACOLA 161KV	11	0.09023	-0.09259	18
WERE	CITY OF BURLINGTON 69KV	54,7	-0.00424	GRDA	PENSACOLA 161KV	11	0.09023	-0.09447	18
WERE	CITY OF FREEDONA 69KV	10,294	-0.00372	GRDA	PENSACOLA 161KV	11	0.09023	-0.09395	18
WERE	CITY OF MULVANE 69KV	11,281	-0.00219	GRDA	PENSACOLA 161KV	11	0.09023	-0.09242	18
WERE	CITY OF NEDESHA 69KV	6,738	-0.00196	GRDA	PENSACOLA 161KV	11	0.09023	-0.09219	18
SWPA	CLARENCE CANNON DAM 69KV	58	-0.0038	GRDA	PENSACOLA 161KV	11	0.09023	-0.09403	18
WERE	CLAY CENTER JUNCTION 115KV	23	-0.00421	GRDA	PENSACOLA 161KV	11	0.09023	-0.09444	18
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00411	GRDA	PENSACOLA 161KV	11	0.09023	-0.09434	18
WERE	EVANS ENERGY CENTER 138KV	562,5413	-0.002	GRDA	PENSACOLA 161KV	11	0.09023	-0.09223	18
WERE	GETTY 69KV	35	-0.00267	GRDA	PENSACOLA 161KV	11	0.09023	-0.0929	18
WERE	GILL ENERGY CENTER 138KV	285	-0.00209	GRDA	PENSACOLA 161KV	11	0.09023	-0.09232	18
WERE	GILL ENERGY CENTER 69KV	118	-0.00202	GRDA	PENSACOLA 161KV	11	0.09023	-0.09225	18
WERE	HOLTON 115KV	13,8	-0.00455	GRDA	PENSACOLA 161KV	11	0.09023	-0.09478	18
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.00349	GRDA	PENSACOLA 161KV	11	0.09023	-0.09372	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00349	GRDA	PENSACOLA 161KV	11	0.09023	-0.09372	18
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00454	GRDA	PENSACOLA 161KV	11	0.09023	-0.09477	18
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00454	GRDA	PENSACOLA 161KV	11	0.09023	-0.09477	18
SWPA	JONESBORO 161KV	17,8	-0.0031	GRDA	PENSACOLA 161KV	11	0.09023	-0.09054	18
SWPA	KENNETT 69KV	29	-0.00071	GRDA	PENSACOLA 161KV	11	0.09023	-0.09094	18
WERE	LAWRENCE ENERGY CENTER 230KV	36,76343	-0.00493	GRDA	PENSACOLA 161KV	11	0.09023	-0.09516	18
SWPA	MALDEN 69KV	15	-0.00387	GRDA	PENSACOLA 161KV	11	0.09023	-0.09211	18
SWPA	PARAGOULD 69KV	17,5	-0.00048	GRDA	PENSACOLA 161KV	11	0.09023	-0.09071	18
SWPA	PIGGOTT 69KV	7,5	-0.00076	GRDA	PENSACOLA 161KV	11	0.09023	-0.09099	18
SWPA	POPLAR BLUFF 69KV	13	-0.00149	GRDA	PENSACOLA 161KV	11	0.09023	-0.09172	18
EMDE	RIVERTON 161KV	295	-0.06657	GRDA	GRDA1 161KV	32,3125	0.02775	-0.09452	18
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	NORTHEASTERN STATION 138KV	407	0.02757	-0.09454	18
WERE	SOUTH SENECA 115KV	12,7	-0.00428	GRDA	PENSACOLA 161KV	11	0.09023	-0.09451	18
EMDE	STATE LINE 161KV	374,2047	-0.06157	GRDA	KERR 161KV	13,5	0.02954	-0.09111	18
EMDE	STATE LINE 161KV	374,2047	-0.06157	GRDA	SALINA 161KV	37,96761	0.02954	-0.09111	18
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00465	GRDA	PENSACOLA 161KV	11	0.09023	-0.09488	18
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00465	GRDA	PENSACOLA 161KV				

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

EMDE	RIVERTON 161KV	295	-0.06657	SWPA	EUFALLA 138KV	43.64023	0.01229	-0.07886	21
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	EUFALLA 161KV	59.58187	0.01229	-0.07886	21
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	KEYSTONE DAM 161KV	145.2682	0.01486	-0.08153	21
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	OEC 345KV	969	0.0132	-0.07977	21
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	WEBBERS FALLS 161KV	33.47743	0.01377	-0.08034	21
SWPA	ROBERT S. KERR 161KV	106.533	0.01021	GRDA	PENSACOLA 161KV	11	0.09023	-0.08002	21
AEPW	WEELETKA 138KV	162	0.01176	GRDA	PENSACOLA 161KV	11	0.09023	-0.07847	21
AEPW	COGENTRIX 345KV	261.4	0.01352	GRDA	PENSACOLA 161KV	11	0.09023	-0.07871	22
SWPA	KEYSTONE DAM 161KV	54.93184	0.01496	GRDA	PENSACOLA 161KV	11	0.09023	-0.07527	22
AEPW	OEC 345KV	1778.03	0.0132	GRDA	PENSACOLA 161KV	11	0.09023	-0.07703	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	COMANCHE 138KV	145	0.00811	-0.07468	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	COMANCHE 69KV	60	0.00814	-0.07471	22
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	DENISON 138KV	50.81397	0.00877	-0.07534	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	ELLIS 69KV	11	0.0094	-0.07597	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	FLINT CREEK 161KV	400	0.00826	-0.07483	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	NORTHEASTERN STATION 345KV	625	0.01077	-0.07734	22
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	KEYSTONE DAM 161KV	282.167	0.01021	-0.07878	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	SOUTHWESTERN STATION 138KV	169	0.00821	-0.07478	22
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.07478	22
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	COGENTRIX 345KV	865	0.01352	-0.07509	22
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	KEYSTONE DAM 161KV	145.2682	0.01486	-0.07542	22
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	OEC 345KV	969	0.0132	-0.07977	22
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	WEBBERS FALLS 161KV	33.47743	0.01377	-0.07534	22
AEPW	TULSA POWER STATION 138KV	307	0.01465	GRDA	PENSACOLA 161KV	11	0.09023	-0.07558	22
AEPW	TULSA POWER STATION 69KV	80	0.01465	GRDA	PENSACOLA 161KV	11	0.09023	-0.07558	22
SWPA	WEBBERS FALLS 161KV	35.52237	0.01377	GRDA	PENSACOLA 161KV	11	0.09023	-0.07546	22
EMDE	ASBURY 161KV	20	-0.0425	GRDA	KERR 161KV	13.5	0.02954	-0.07204	23
EMDE	ASBURY 161KV	20	-0.0425	GRDA	SALINA 161KV	37.96761	0.02954	-0.07204	23
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	BROKEN BOW 138KV	79.90746	0.00725	-0.07382	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	EASTMAN 138KV	155	0.00467	-0.07124	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	FITZHUGH 161KV	126	0.00776	-0.07433	23
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	OZARK 161KV	125.3411	0.00775	-0.07432	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	WEATHERFORD 34KV	12	0.00772	-0.07429	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	WELSH 345KV	1044	0.00509	-0.07166	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	WILKES 138KV	209.0969	0.00481	-0.07138	23
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	WILKES 345KV	284.3555	0.00475	-0.07132	23
EMDE	STATE LINE 161KV	374.2047	-0.06157	GRDA	BOOMER 69KV	24	0.01176	-0.07333	23
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	EUFALLA 138KV	43.64023	0.01229	-0.07386	23
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	EUFALLA 161KV	59.58187	0.01229	-0.07386	23
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	NORTHEASTERN STATION 345KV	625	0.01077	-0.07234	23
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	ROBERT S. KERR 161KV	282.167	0.01021	-0.07178	23
EMDE	ASBURY 161KV	20	-0.0425	GRDA	GRDA1 161KV	32.3125	0.02775	-0.07025	24
EMDE	ASBURY 161KV	20	-0.0425	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.07047	24
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	KERR 118KV	13.5	0.02548	-0.06986	24
GRDA	GRDA1 345KV	120	0.02028	GRDA	PENSACOLA 161KV	11	0.09023	-0.06995	24
EMDE	LARUSSEL 161KV	198	-0.03527	GRDA	KERR 118KV	13.5	0.03584	-0.07111	24
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	KNOXLEE 138KV	164	0.00464	-0.07121	24
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	LEBROCK 345KV	295	0.00466	-0.07123	24
EMDE	RIVERTON 161KV	295	-0.06657	AEPW	PIRKEY GENERATION 138KV	223	0.00466	-0.07123	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	BROKEN BOW 138KV	79.90746	0.00725	-0.06882	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	COMANCHE 138KV	145	0.00811	-0.06968	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	COMANCHE 69KV	60	0.00814	-0.06971	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	DENISON 138KV	50.81397	0.00877	-0.07034	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	ELLIS 69KV	11	0.0094	-0.07097	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	FITZHUGH 161KV	126	0.00776	-0.06933	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	FLINT CREEK 161KV	400	0.00826	-0.06983	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	OZARK 161KV	125.3411	0.00775	-0.06932	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	SOUTHWESTERN STATION 138KV	169	0.00821	-0.06978	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.06978	24
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	WEATHERFORD 34KV	12	0.00772	-0.06929	24
AEPW	MID-CONTINENT 138KV	142.11	0.02296	GRDA	PENSACOLA 161KV	11	0.09023	-0.06727	25
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	GREYS FERRY 161KV	79.90746	0.00997	-0.06754	25
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	JONESBORO 161KV	66	-0.00031	-0.06626	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	EASTMAN 138KV	155	0.00467	-0.06624	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	KNOXLEE 138KV	164	0.00464	-0.06621	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	LEBROCK 345KV	295	0.00466	-0.06623	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	PIRKEY GENERATION 138KV	223	0.00466	-0.06623	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	WELSH 345KV	1044	0.00509	-0.06666	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	WILKES 138KV	209.0969	0.00481	-0.06638	25
EMDE	STATE LINE 161KV	374.2047	-0.06157	AEPW	WILKES 345KV	284.3555	0.00475	-0.06632	25
EMDE	LARUSSEL 161KV	198	-0.03527	GRDA	KERR 161KV	13.5	0.02548	-0.06481	26
EMDE	LARUSSEL 161KV	198	-0.03527	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.06534	26
EMDE	LARUSSEL 161KV	198	-0.03527	GRDA	SALINA 161KV	37.96761	0.02954	-0.06481	26
EMDE	RIVERTON 161KV	295	-0.06657	WERE	CITY OF AUGUSTA 69KV	13.66	-0.00236	-0.06421	26
EMDE	RIVERTON 161KV	295	-0.06657	WERE	EVANS ENERGY CENTER 138KV	230.4587	-0.002	-0.06457	26
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	SIKESTON 161KV	235	-0.00116	-0.06541	26
EMDE	ASBURY 161KV	20	-0.0425	GRDA	GRDA1 345KV	100	0.02028	-0.06278	27
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	KERR 161KV	13.5	0.02954	-0.06266	27
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.06109	27
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	SALINA 161KV	37.96761	0.02954	-0.06266	27
GRDA	GRDA1 161KV	157.8875	0.02775	GRDA	PENSACOLA 161KV	11	0.09023	-0.06248	27
EMDE	LARUSSEL 161KV	198	-0.03527	GRDA	GRDA1 161KV	32.3125	0.02775	-0.06302	27
AEPW	NORTHEASTERN STATION 138KV	101	0.02797	GRDA	PENSACOLA 161KV	11	0.09023	-0.06226	27
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	BULL SHOALS 161KV	282.9641	-0.0053	-0.06127	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00424	-0.06233	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00424	-0.06233	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	ELK RIVER 345KV	67.88465	-0.00445	-0.06212	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00349	-0.06308	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00454	-0.06203	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00454	-0.06203	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	LAWRENCE ENERGY CENTER 230KV	232.2366	-0.00493	-0.06164	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	SMOKEY HILLS 34KV	126	-0.00365	-0.06292	27
EMDE	RIVERTON 161KV	295	-0.06657	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00465	-0.06192	27
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	GREYS FERRY 161KV	79.90746	0.00997	-0.06254	27
EMDE	STATE LINE 161KV	374.2047	-0.06157	SWPA	JONESBORO 161KV	66	-0.00031	-0.06126	27
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	GRDA1 161KV	32.3125	0.02775	-0.06087	28
WERE	CITY OF GIRARD 69KV	10.7	-0.02502	GRDA	KERR 118KV	13.5	0.03584	-0.06086	28
GRDA	KERR 161KV	28.5	0.03584	GRDA	PENSACOLA 161KV	11	0.09023	-0.05969	28
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	BEAVER 161KV	122.2233	-0.00664	-0.05993	28
EMDE	RIVERTON 161KV	295	-0.06657	SWPA	TRUMAN 161KV	87.28046	-0.00653	-0.06004	28
GRDA	SALINA 161KV	60.03239	0.02954	GRDA	PENSACOLA 161KV	11	0.09023	-0.06069	28
EMDE	STATE LINE 161KV	374.2047	-0.06157	WERE	CITY OF AUGUSTA 69KV	13.66	-0.00236	-0.05921	28
EMDE	STATE LINE 161KV	374.2047	-0.06157	WERE	EVANS ENERGY CENTER 138KV	230.4587	-0.002	-0.05957	28

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

EMDE	STATE LINE 161KV	374.2047	-0.06157	WERE	CHANUTE 69KV	44.289	-0.0091	-0.05247	32
EMDE	ASBURY 161KV	20	-0.0425	AEPW	COMANCHE 138KV	145	0.00811	-0.05061	33
EMDE	ASBURY 161KV	20	-0.0425	AEPW	COMANCHE 69KV	60	0.00814	-0.05064	33
EMDE	ASBURY 161KV	20	-0.0425	SWPA	DENISON 138KV	50.81397	0.00877	-0.05127	33
EMDE	ASBURY 161KV	20	-0.0425	AEPW	FITZHUGH 161KV	126	0.00776	-0.05026	33
EMDE	ASBURY 161KV	20	-0.0425	AEPW	FLINT CREEK 161KV	400	0.00826	-0.05076	33
EMDE	ASBURY 161KV	20	-0.0425	SWPA	OZARK 161KV	125.3411	0.00775	-0.05025	33
EMDE	ASBURY 161KV	20	-0.0425	SWPA	SOUTHWESTERN STATION 138KV	169	0.00821	-0.05071	33
EMDE	ASBURY 161KV	20	-0.0425	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.05071	33
EMDE	ASBURY 161KV	20	-0.0425	AEPW	WEATHERFORD 34KV	12	0.00772	-0.05022	33
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	KEYSTONE DAM 161KV	145.2892	0.01496	-0.05023	33
EMDE	STATE LINE 161KV	374.2047	-0.06157	SPRM	JAMES RIVER 69KV	227.2571	-0.01067	-0.05063	33
EMDE	STATE LINE 161KV	374.2047	-0.06157	EMDE	OZARK BEACH 161KV	16	-0.01141	-0.05016	33
EMDE	STATE LINE 161KV	374.2047	-0.06157	SPRM	SOUTHWEST 161KV	178	-0.01027	-0.0513	33
EMDE	ASBURY 161KV	20	-0.0425	SWPA	BROKEN BOW 138KV	79.90746	0.00725	-0.04975	34
WERE	CITY OF IOLA 69KV	42.878	-0.01336	GRDA	KERR 115KV	13.5	0.03584	-0.04942	34
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	COGENTRIX 345KV	865	0.01352	-0.04979	34
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	WEBBERS FALLS 161KV	33.47743	0.01377	-0.04904	34
EMDE	ASBURY 161KV	20	-0.0425	AEPW	EASTMAN 138KV	155	0.00467	-0.04717	35
EMDE	ASBURY 161KV	20	-0.0425	AEPW	LEBROCK 345KV	265	0.00466	-0.04716	35
EMDE	ASBURY 161KV	20	-0.0425	AEPW	PRKEY GENERATION 138KV	173	0.00468	-0.04716	35
EMDE	ASBURY 161KV	20	-0.0425	AEPW	WELSH 345KV	1044	0.00509	-0.04759	35
EMDE	ASBURY 161KV	20	-0.0425	AEPW	WILKES 138KV	209.0969	0.00481	-0.04731	35
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	WILKES 345KV	284.3555	0.00475	-0.04725	35
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	KEYSTONE DAM 161KV	145.2892	0.01496	-0.04908	35
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	EUFULA 138KV	43.84023	0.01229	-0.04541	35
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	EUFULA 161KV	59.58187	0.01229	-0.04576	35
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	OEC 345KV	369	0.0132	-0.04847	35
EMDE	ASBURY 161KV	20	-0.0425	AEPW	KNOXLEE 138KV	164	0.00464	-0.04714	36
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	COGENTRIX 345KV	865	0.01352	-0.04964	36
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	OEC 345KV	369	0.0132	-0.04632	36
SWPA	CARTHAGE 69KV	20	-0.03312	GRDA	WEBBERS FALLS 161KV	33.47743	0.01377	-0.04689	36
SPRM	JAMES RIVER 161KV	159	-0.01024	SWPA	KERR 115KV	13.5	0.03584	-0.04608	36
EMDE	LARUSSEL 161KV	196	-0.03527	GRDA	BOOMER 69KV	24	0.01176	-0.04703	36
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	NORTHEASTERN STATION 345KV	624	0.01077	-0.04604	36
SPRM	PHELPS AVENUE-MAIN AVENUE 69KV	12	-0.01062	GRDA	KERR 115KV	13.5	0.03584	-0.04646	36
SPRM	SOUTHWEST 161KV	104	-0.01027	GRDA	KERR 115KV	13.5	0.03584	-0.04611	36
EMDE	CARTHAGE 69KV	20	-0.03312	GRDA	BOOMER 69KV	24	0.01176	-0.04488	37
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	EUFULA 138KV	43.84023	0.01229	-0.04541	37
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	EUFULA 161KV	59.58187	0.01229	-0.04541	37
WERE	CHANUTE 69KV	36.311	-0.0091	GRDA	KERR 115KV	13.5	0.03584	-0.04494	37
EMDE	CITY OF ERIE 69KV	24.53	-0.0091	GRDA	KERR 115KV	13.5	0.03584	-0.04494	37
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	ROBERT S. KERR 161KV	282.167	0.01021	-0.04548	37
SPRM	MCCARTNEY 161KV	93.6	-0.00971	GRDA	KERR 115KV	13.5	0.03584	-0.04565	37
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	NORTHEASTERN STATION 345KV	625	0.01077	-0.04389	38
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	DENISON 138KV	50.81397	0.00877	-0.04404	38
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	FLINT CREEK 161KV	400	0.00826	-0.04353	38
EMDE	ASBURY 161KV	20	-0.0425	SWPA	GREERS FERRY 161KV	79.90746	0.00997	-0.04245	39
SWPA	BEAVER 161KV	43.37669	-0.00664	GRDA	KERR 115KV	13.5	0.03584	-0.04245	39
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	ROBERT S. KERR 161KV	282.167	0.01021	-0.04333	39
WERE	CITY OF IOLA 69KV	42.878	-0.01336	GRDA	KERR 161KV	13.5	0.02954	-0.0429	39
WERE	CITY OF IOLA 69KV	42.878	-0.01336	GRDA	SALINA 161KV	37.96761	0.02954	-0.0429	39
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	BROKEN BOW 138KV	79.90746	0.00725	-0.04262	39
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	COMANCHE 138KV	145	0.00811	-0.04338	39
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	COMANCHE 69KV	60	0.00814	-0.04341	39
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	FITZHUGH 161KV	126	0.00776	-0.04303	39
EMDE	LARUSSEL 161KV	196	-0.03527	SWPA	OZARK 161KV	125.3411	0.00775	-0.04302	39
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	SOUTHWESTERN STATION 138KV	169	0.00821	-0.04313	39
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.04348	39
EMDE	ASBURY 161KV	20	-0.0425	SWPA	JONESBORO 161KV	66	-0.00331	-0.04219	40
EMDE	ASBURY 161KV	20	-0.0425	SWPA	SIKESSTON 161KV	235	-0.00116	-0.04134	40
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	DENISON 138KV	50.81397	0.00877	-0.04169	40
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	FLINT CREEK 161KV	400	0.00826	-0.04138	40
SWPA	TRUMAN 161KV	92.71956	-0.00653	GRDA	KERR 115KV	13.5	0.03584	-0.04237	40
EMDE	ASBURY 161KV	20	-0.0425	WERE	EVANS ENERGY CENTER 138KV	230.4587	-0.002	-0.0405	41
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	BROKEN BOW 138KV	79.90746	0.00725	-0.04045	41
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	COMANCHE 138KV	145	0.00811	-0.04123	41
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	COMANCHE 69KV	60	0.00814	-0.04126	41
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	FITZHUGH 161KV	126	0.00776	-0.04088	41
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	OZARK 161KV	125.3411	0.00775	-0.04087	41
SWPA	CARTHAGE 69KV	20	-0.03312	SWPA	SOUTHWESTERN STATION 138KV	169	0.00821	-0.04133	41
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	SOUTHWESTERN STATION 138KV	145	0.00821	-0.04133	41
WERE	CITY OF IOLA 69KV	42.878	-0.01336	GRDA	GRDA1 161KV	32.3125	0.02775	-0.04111	41
WERE	CITY OF IOLA 69KV	42.878	-0.01336	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.04133	41
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	WELSH 345KV	1044	0.00509	-0.04036	42
SPRM	JAMES RIVER 161KV	159	-0.01024	GRDA	SALINA 161KV	37.96761	0.02954	-0.03878	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	EASTMAN 138KV	155	0.00467	-0.03994	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	KNOXLEE 138KV	164	0.00464	-0.03991	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	LEBROCK 345KV	265	0.00466	-0.03993	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	PRKEY GENERATION 138KV	173	0.00468	-0.03969	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	WILKES 138KV	209.0969	0.00481	-0.04008	42
EMDE	LARUSSEL 161KV	196	-0.03527	AEPW	WILKES 345KV	284.3555	0.00475	-0.04002	42
SPRM	SOUTHWEST 161KV	104	-0.01027	GRDA	SALINA 161KV	37.96761	0.02954	-0.03981	42
EMDE	ASBURY 161KV	20	-0.0425	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00349	-0.03901	42
EMDE	ASBURY 161KV	20	-0.0425	WERE	SHOALS HILLS 34KV	126	-0.00365	-0.03865	43
WERE	CHANUTE 69KV	36.311	-0.0091	GRDA	SALINA 161KV	37.96761	0.02954	-0.03864	43
WERE	CITY OF ERIE 69KV	24.53	-0.0091	GRDA	SALINA 161KV	37.96761	0.02954	-0.03864	43
SPRM	MCCARTNEY 161KV	93.6	-0.00971	GRDA	SALINA 161KV	37.96761	0.02954	-0.03925	43
EMDE	ASBURY 161KV	20	-0.0425	WERE	CITY OF BURLINGTON 69KV	1002.8	-0.0424	-0.03826	44
EMDE	ASBURY 161KV	20	-0.0425	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.81	-0.0424	-0.03825	44
EMDE	ASBURY 161KV	20	-0.0425	EMDE	ELK RIVER 345KV	67.88465	-0.00445	-0.03805	44
EMDE	ASBURY 161KV	20	-0.0425	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00454	-0.03796	44
EMDE	ASBURY 161KV	20	-0.0425	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00454	-0.03796	44
EMDE	ASBURY 161KV	20	-0.0425	WERE	TECUMSEH ENERGY CENTER 115KV	176	-0.00465	-0.03765	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	EASTMAN 138KV	155	0.00467	-0.03779	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	KNOXLEE 138KV	164	0.00464	-0.03776	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	LEBROCK 345KV	265	0.00466	-0.03778	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	PRKEY GENERATION 138KV	173	0.00468	-0.03778	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	WELSH 345KV	1044	0.00509	-0.03821	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	WILKES 138KV	209.0969	0.00481	-0.03793	44
SWPA	CARTHAGE 69KV	20	-0.03312	AEPW	WILKES 345KV	284.3555	0.00475	-0.03787	44
SPRM	JAMES RIVER 161KV	159	-0.01024	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03799	44
SPRM	JAMES RIVER 161KV	159	-0.01024	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03821	44
SPRM	MCCARTNEY 161KV	93.6	-0.00971	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03768	44
SPRM	SOUTHWEST 161KV	104	-0.01027	GRDA	GRDA1 161KV	32.3125	0		

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

Source	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)				
WERE	CLAY CENTER JUNCTION 115KV	22	-0.0042	GRDA	SALINA 161KV	37.96761	0.02954	-0.03375	50
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.0041	GRDA	SALINA 161KV	37.96761	0.02954	-0.03365	50
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	EVANS ENERGY CENTER 138KV	230.4587	-0.002	-0.03327	50
SWPA	BULL SHOALS 161KV	106.636	-0.0053	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03305	51
SWPA	CARTHAGE 69KV	20	-0.0332	SWPA	JONESBORO 161KV	66	-0.00031	-0.03281	51
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.00349	GRDA	SALINA 161KV	37.96761	0.02954	-0.03303	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00349	GRDA	SALINA 161KV	37.96761	0.02954	-0.03303	51
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00454	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03251	51
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00454	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03251	51
WERE	LAWRENCE ENERGY CENTER 230KV	36.76343	-0.00493	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03268	51
WERE	LAWRENCE ENERGY CENTER 230KV	36.76343	-0.00493	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03268	51
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00465	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03262	51
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00465	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03262	51
WERE	ABLILENE ENERGY CENTER 115KV	66	-0.0041	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03207	52
EMDE	ASBURY 161KV	20	-0.0425	SPRM	SOUTHWEST 161KV	178	-0.01027	-0.03223	52
SWPA	CARTHAGE 69KV	20	-0.0332	SWPA	SWESTON 161KV	235	-0.00116	-0.03196	52
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.00236	GRDA	SALINA 161KV	37.96761	0.02954	-0.03119	52
WERE	CITY OF BURLINGTON 69KV	54.7	-0.00424	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03199	52
WERE	CITY OF BURLINGTON 69KV	54.7	-0.00424	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03221	52
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00421	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03196	52
WERE	CLAY CENTER JUNCTION 115KV	22	-0.00421	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03218	52
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00411	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03208	52
WERE	GETTY 69KV	35	-0.00267	GRDA	SALINA 161KV	37.96761	0.02954	-0.03211	52
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00454	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03229	52
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00454	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03229	52
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00465	GRDA	GRDA1 161KV	32.3125	0.02775	-0.0324	52
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00465	GRDA	GRDA1 161KV	32.3125	0.02775	-0.0324	52
WERE	ABLILENE ENERGY CENTER 115KV	66	-0.0041	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03185	53
EMDE	ASBURY 161KV	20	-0.0425	SPRM	JAMES RIVER 69KV	227.271	-0.01067	-0.03183	53
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.00368	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03143	53
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.00368	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03165	53
SWPA	CLARENCE CANNON DAM 69KV	58	-0.0038	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03155	53
SWPA	CLARENCE CANNON DAM 69KV	58	-0.0038	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03177	53
WERE	EMPORIA ENERGY CENTER 345KV	433	-0.00411	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03186	53
WERE	EVANS ENERGY CENTER 138KV	562.9413	-0.002	GRDA	SALINA 161KV	37.96761	0.02954	-0.03154	53
WERE	GILL ENERGY CENTER 138KV	285	-0.00209	GRDA	SALINA 161KV	37.96761	0.02954	-0.03163	53
WERE	GILL ENERGY CENTER 69KV	118	-0.00202	GRDA	SALINA 161KV	37.96761	0.02954	-0.03156	53
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.00349	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03146	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00349	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03146	53
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00349	-0.03178	53
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	SMOKEY HILLS 34KV	126	-0.00365	-0.03162	53
EMDE	RIVERTON 161KV	295	-0.06657	EMDE	LARUSSEL 161KV	100	-0.03527	-0.0313	53
EMDE	WACO 138KV	30	-0.00208	GRDA	SALINA 161KV	37.96761	0.02954	-0.03162	53
SWPA	CARTHAGE 69KV	20	-0.0332	WERE	EVANS ENERGY CENTER 138KV	230.4587	-0.002	-0.03112	54
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.00349	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03124	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.00349	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03124	54
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00424	-0.03103	54
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	18.61	-0.00424	-0.03103	54
EMDE	LARUSSEL 161KV	196	-0.0352	EMDE	ELK RIVER 345KV	67.88485	-0.00445	-0.03082	54
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00454	-0.03073	54
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00454	-0.03073	54
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.00236	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03033	55
WERE	GETTY 69KV	35	-0.00267	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03042	55
WERE	GETTY 69KV	35	-0.00267	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03064	55
SPRM	JAMES RIVER 161KV	159	-0.01024	GRDA	GRDA1 345KV	100	0.02028	-0.03052	55
SWPA	KENNETT 69KV	29	-0.00071	GRDA	SALINA 161KV	37.96761	0.02954	-0.03025	55
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	LAWRENCE ENERGY CENTER 230KV	232.2366	-0.00483	-0.03034	55
EMDE	LARUSSEL 161KV	196	-0.0352	WERE	TECUMSEH ENERGY CENTER 115KV	196	-0.00465	-0.03034	55
SPRM	SOUTHWEST 161KV	104	-0.01027	GRDA	GRDA1 345KV	100	0.02028	-0.03055	55
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.00236	GRDA	GRDA1 161KV	32.3125	0.02775	-0.03011	56
WERE	GILL ENERGY CENTER 138KV	285	-0.00209	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03006	56
WERE	WACO 138KV	30	-0.00208	AEPW	NORTHEASTERN STATION 138KV	407	0.02797	-0.03005	56

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

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

Upgrade: SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1
Limiting Facility: SUB 389 - JOPLIN SOUTHWEST - SUB 422 - JOPLIN 24TH & CONNECTICUT 161KV CKT 1
Direction: From->To
Line Outage: SUB 292 - TIFTON FORD - SUB 389 - JOPLIN SOUTHWEST 161KV CKT 1
Flowgate: 2007AG1AFS41T2005085P
Date Redispatch Needed: 6/1/08 - 10/1/08
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	6.8	6.8

Source Control Area	Source	Maximum Increment (MW)	GSF	Sink Control Area	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
SWPA	BEAVER 161KV	24.04538	-0.04857	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.27587	25
EMDE	LARUSSEL 161KV	196	-0.03084	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.25814	26
SWPA	BULL SHOALS 161KV	109.8422	-0.0164	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.2437	28
AEPW	FLINT CREEK 161KV	28	-0.01761	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.24491	28
SPRM	PHILIPS AVENUE MAIN AVENUE 69KV	12	-0.01625	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.2436	28
SPRM	SOUTHWEST 161KV	93.6	-0.01559	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.24288	28
AEPW	TONTTOWN 161KV	346.12	-0.01689	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.24419	28
SWPA	GREERS FERRY 161KV	16.08633	-0.00425	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.23155	29
AEPW	MID-CONTINENT 138KV	142.11	-0.00841	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.23371	29
AEPW	ARSENAL HILL 69KV	110	-0.00121	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22609	30
SWPA	BROKEN BOW 138KV	16.08633	0.00308	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22422	30
AEPW	EASTMAN 138KV	130.01	0.00146	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22584	30
AEPW	ELLIS 69KV	20	-0.00043	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22773	30
SWPA	EURLALLA 161KV	11.98102	0.00292	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22348	30
AEPW	FITZHUGH 161KV	41	-0.00052	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22782	30
AEPW	FULTON 115KV	32.99999	0.0009	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.2264	30
GRDA	GRDA1 345KV	21.15729	0.00138	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22592	30
SWPA	JONESBORO 161KV	16	-0.00233	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22963	30
SWPA	KENNETT 69KV	29	-0.00104	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.2287	30
AEPW	KNOXLEE 138KV	139	0.00144	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22586	30
AEPW	LEBROCK 345KV	232	0.00146	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22584	30
AEPW	LIBERMAN 138KV	272	0.00125	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22605	30
AEPW	LONESTAR POWER PLANT 69KV	50	0.00157	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22573	30
SWPA	MALDEN 69KV	10	-0.0011	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.2284	30
SWPA	OZARK 161KV	64.93227	-0.00053	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22783	30
SWPA	PARAGOULD 69KV	12	-0.00194	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22924	30
AEPW	PIRKEY GENERATION 138KV	35	0.00145	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22585	30
SWPA	ROBERT S. KERR 161KV	73.47502	0.00126	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22904	30
SWPA	TRUMAN 161KV	77.36862	0.00249	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22481	30
SWPA	WEBBERS FALLS 161KV	29.77024	0.00301	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22429	30
AEPW	WILKES 138KV	153.2123	0.00154	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22576	30
AEPW	COCENTRIX 345KV	261.4	0.00495	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22235	31
AEPW	COMANCHE 138KV	15	0.00622	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22108	31
GRDA	GRDA1 161KV	80	0.00585	EMDE	STATE LINE 161KV	582.7666	0.2273	-0.22145	31
GRDA	KERR 115KV	28.5	0.00834	EMDE	STATE LINE 161KV	582.7666			

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

WERE	JEFFREY ENERGY CENTER 345KV	42	0.01115	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21615	32
WERE	LAWRENCE ENERGY CENTER 230KV	36.78122	0.01128	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21602	32
AEPW	NORTHEASTERN STATION 138KV	19.99997	0.01285	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21445	32
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.01127	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21603	32
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.01125	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21605	32
WERE	WACO 138KV	30	0.01415	EMD	STATE LINE 161KV	582.7666	0.2273	-0.21315	32
WERE	CHANUTE 69KV	24.563	0.02861	EMD	STATE LINE 161KV	582.7666	0.2273	-0.19869	34
WERE	CITY OF ERIE 69KV	24.53	0.02861	EMD	STATE LINE 161KV	582.7666	0.2273	-0.19869	34
GRDA	PENSACOLA 69KV	63	0.02665	EMD	STATE LINE 161KV	582.7666	0.2273	-0.20065	34
WERE	CITY OF IOLA 69KV	42.878	0.03305	EMD	STATE LINE 161KV	582.7666	0.2273	-0.19425	35
EMD	LARUSSEL 161KV	196	-0.03084	EMD	RIVERTON 161KV	190	0.16198	-0.19282	35
SWPA	BULL SHOALS 161KV	109.8422	-0.0164	EMD	RIVERTON 161KV	190	0.16198	-0.17268	36
AEPW	FLINT CREEK 161KV	28	-0.01761	EMD	RIVERTON 161KV	190	0.16198	-0.17959	38
SPRM	SOUTHWEST 161KV	93.6	-0.01558	EMD	RIVERTON 161KV	190	0.16198	-0.17756	38
AEPW	TONTITOWN 161KV	346.12	-0.01689	EMD	RIVERTON 161KV	190	0.16198	-0.17887	38
EMD	ASBURY 161KV	20	0.06051	EMD	STATE LINE 161KV	582.7666	0.2273	-0.16679	41
SWPA	BEAVER 161KV	24.04538	-0.04857	EMD	RIVERTON 69KV	48.97457	0.11623	-0.1548	41
AEPW	GREERS FERRY 161KV	16.08633	-0.00425	EMD	RIVERTON 161KV	190	0.16198	-0.16623	41
AEPW	MID-CONTINENT 138KV	142.11	-0.00641	EMD	RIVERTON 161KV	190	0.16198	-0.16839	41
AEPW	ARSENAL HILL 69KV	110	0.00121	EMD	RIVERTON 161KV	190	0.16198	-0.16077	42
AEPW	ELLIS 69KV	20	-0.00343	EMD	RIVERTON 161KV	190	0.16198	-0.16241	42
AEPW	FITZHUGH 161KV	41	-0.00052	EMD	RIVERTON 161KV	190	0.16198	-0.1625	42
AEPW	FULTON 115KV	32.99999	0.0009	EMD	RIVERTON 161KV	190	0.16198	-0.16108	42
GRDA	GRDA1 345KV	21.15729	0.00138	EMD	RIVERTON 161KV	190	0.16198	-0.16106	42
SWPA	JONESBORO 161KV	16	-0.00233	EMD	RIVERTON 161KV	190	0.16198	-0.16431	42
SWPA	KENNETT 69KV	29	-0.0114	EMD	RIVERTON 161KV	190	0.16198	-0.16338	42
AEPW	LIEBERMAN 138KV	272	0.00125	EMD	RIVERTON 161KV	190	0.16198	-0.16073	42
SWPA	OZARK 161KV	64.93227	-0.00053	EMD	RIVERTON 161KV	190	0.16198	-0.16251	42
SWPA	ROBERT S KERR 161KV	73.47502	0.00126	EMD	RIVERTON 161KV	190	0.16198	-0.16072	42
SWPA	BROKENBOW 138KV	16.08633	0.00368	EMD	RIVERTON 161KV	190	0.16198	-0.1586	43
AEPW	COCENTRIX 345KV	261.4	0.00495	EMD	RIVERTON 161KV	190	0.16198	-0.15703	43
AEPW	EASTMAN 138KV	130.01	0.00146	EMD	RIVERTON 161KV	190	0.16198	-0.16052	43
AEPW	KIOWA 345KV	1348	0.00456	EMD	RIVERTON 161KV	190	0.16198	-0.15742	43
AEPW	KNOXLEE 138KV	139	0.00144	EMD	RIVERTON 161KV	190	0.16198	-0.16054	43
AEPW	LEBROCK 345KV	232	0.00146	EMD	RIVERTON 161KV	190	0.16198	-0.16253	43
AEPW	LONESTAR POWER PLANT 69KV	50	0.00157	EMD	RIVERTON 161KV	190	0.16198	-0.16041	43
AEPW	OC 345KV	1778.03	0.00475	EMD	RIVERTON 161KV	190	0.16198	-0.15723	43
AEPW	PIRKEY GENERATION 138KV	35	0.00145	EMD	RIVERTON 161KV	190	0.16198	-0.16053	43
SWPA	TRUMAN 161KV	77.36862	0.00249	EMD	RIVERTON 161KV	190	0.16198	-0.15948	43
SWPA	WEBBERS FALLS 161KV	29.77024	0.00301	EMD	RIVERTON 161KV	190	0.16198	-0.15897	43
AEPW	WEELETKA 138KV	162	0.00485	EMD	RIVERTON 161KV	190	0.16198	-0.15713	43
AEPW	WILKES 138KV	153.2123	0.00154	EMD	RIVERTON 161KV	190	0.16198	-0.16044	43
AEPW	COMANCHE 138KV	15	0.00622	EMD	RIVERTON 161KV	190	0.16198	-0.15676	44
GRDA	GRDA1 161KV	80	0.00585	EMD	RIVERTON 161KV	190	0.16198	-0.16183	44
GRDA	KERR 115KV	28.5	0.00834	EMD	RIVERTON 161KV	190	0.16198	-0.15364	44
GRDA	KERR 161KV	28.5	0.00567	EMD	RIVERTON 161KV	190	0.16198	-0.15631	44
SWPA	KEYSTONE DAM 161KV	49.22487	0.00612	EMD	RIVERTON 161KV	190	0.16198	-0.15586	44
GRDA	SALINA 161KV	60.78609	0.00567	EMD	RIVERTON 161KV	190	0.16198	-0.15631	44
AEPW	SOUTHWESTERN STATION 138KV	229	0.00626	EMD	RIVERTON 161KV	190	0.16198	-0.15572	44
AEPW	SOUTHWESTERN STATION 138KV	350	0.00626	EMD	RIVERTON 161KV	190	0.16198	-0.15572	44
AEPW	TULSA POWER STATION 138KV	85	0.00545	EMD	RIVERTON 161KV	190	0.16198	-0.15653	44
AEPW	TULSA POWER STATION 69KV	80	0.00545	EMD	RIVERTON 161KV	190	0.16198	-0.15653	44
WERE	BPU - CITY OF MCPHERSON 115KV	117.2178	0.01079	EMD	RIVERTON 161KV	190	0.16198	-0.15119	45
WERE	EMPORIA ENERGY CENTER 345KV	123	0.01187	EMD	RIVERTON 161KV	190	0.16198	-0.15011	45
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.01071	EMD	RIVERTON 161KV	190	0.16198	-0.15127	45
WERE	JEFFREY ENERGY CENTER 230KV	24	0.01118	EMD	RIVERTON 161KV	190	0.16198	-0.1508	45
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01115	EMD	RIVERTON 161KV	190	0.16198	-0.15083	45
WERE	LAWRENCE ENERGY CENTER 230KV	36.78122	0.01128	EMD	RIVERTON 161KV	190	0.16198	-0.15083	45
AEPW	NORTHEASTERN STATION 138KV	19.99997	0.00921	EMD	RIVERTON 161KV	190	0.16198	-0.15277	45
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.01127	EMD	RIVERTON 161KV	190	0.16198	-0.15071	45
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.01125	EMD	RIVERTON 161KV	190	0.16198	-0.15073	45
WERE	CITY OF AUGUSTA 69KV	17.94	0.01469	EMD	RIVERTON 161KV	190	0.16198	-0.14708	46
WERE	EVANS ENERGY CENTER 138KV	38	0.01396	EMD	RIVERTON 161KV	190	0.16198	-0.14802	46
WERE	GILL ENERGY CENTER 138KV	84.99999	0.01417	EMD	RIVERTON 161KV	190	0.16198	-0.14781	46
EMD	LARUSSEL 161KV	196	-0.03084	EMD	RIVERTON 69KV	48.97457	0.11623	-0.14707	46
EMD	NORTHEASTERN STATION 138KV	19.99997	0.01285	EMD	RIVERTON 161KV	190	0.16198	-0.14913	46
WERE	WACO 138KV	30	0.01415	EMD	RIVERTON 161KV	190	0.16198	-0.1485	46
WERE	GETTY 69KV	35	0.01521	EMD	RIVERTON 161KV	190	0.16198	-0.14677	47
GRDA	PENSACOLA 69KV	63	0.02665	EMD	RIVERTON 161KV	190	0.16198	-0.13533	50
SWPA	BULL SHOALS 161KV	109.8422	-0.0164	EMD	RIVERTON 69KV	48.97457	0.11623	-0.13263	51
WERE	CHANUTE 69KV	24.563	0.02861	EMD	RIVERTON 161KV	190	0.16198	-0.13337	51
WERE	CITY OF ERIE 69KV	24.53	0.02861	EMD	RIVERTON 161KV	190	0.16198	-0.13337	51
AEPW	FLINT CREEK 161KV	28	-0.01761	EMD	RIVERTON 69KV	48.97457	0.11623	-0.13384	51
AEPW	TONTITOWN 161KV	346.12	-0.01689	EMD	RIVERTON 69KV	48.97457	0.11623	-0.13312	51
SPRM	SOUTHWEST 161KV	93.6	-0.01558	EMD	RIVERTON 69KV	48.97457	0.11623	-0.13181	51
WERE	CITY OF IOLA 69KV	42.878	0.03305	EMD	RIVERTON 161KV	190	0.16198	-0.12893	52
AEPW	MID-CONTINENT 138KV	142.11	-0.00641	EMD	RIVERTON 69KV	48.97457	0.11623	-0.12264	56
AEPW	FITZHUGH 161KV	41	-0.00052	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11675	58
AEPW	KENNETT 69KV	29	-0.0114	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11763	58
SWPA	OZARK 161KV	64.93227	-0.00053	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11676	58
AEPW	ARSENAL HILL 69KV	110	0.00121	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11502	59
AEPW	EASTMAN 138KV	130.01	0.00146	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11477	59
AEPW	ELLIS 69KV	20	-0.00043	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11666	59
AEPW	FULTON 115KV	32.99999	0.0009	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11533	59
GRDA	GRDA1 345KV	21.15729	0.00138	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11485	59
AEPW	KNOXLEE 138KV	139	0.00144	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11479	59
AEPW	LEBROCK 345KV	232	0.00146	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11477	59
AEPW	LIEBERMAN 138KV	272	0.00125	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11498	59
AEPW	PIRKEY GENERATION 138KV	35	0.00145	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11478	59
SWPA	ROBERT S KERR 161KV	73.47502	0.00126	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11497	59
AEPW	LONESTAR POWER PLANT 69KV	50	0.00157	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11466	60
SWPA	TRUMAN 161KV	77.36862	0.00249	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11374	60
SWPA	WEBBERS FALLS 161KV	29.77024	0.00301	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11322	60
AEPW	WILKES 138KV	153.2123	0.00154	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11468	60
SWPA	COCENTRIX 345KV	261.4	0.00495	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11128	61
AEPW	KIOWA 345KV	1348	0.00456	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11167	61
AEPW	OC 345KV	1778.03	0.00475	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11148	61
AEPW	WEELETKA 138KV	162	0.00485	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11358	61
GRDA	GRDA1 161KV	80	0.00585	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11038	62
GRDA	KERR 161KV	28.5	0.00567	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11056	62
SWPA	KEYSTONE DAM 161KV	49.22487	0.00612	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11011	62
GRDA	SALINA 161KV	60.78609	0.00567	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11059	62
AEPW	SOUTHWESTERN STATION 138KV	229	0.00626	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10997	62
AEPW	SOUTHWESTERN STATION 138KV	350	0.00626	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10997	62
AEPW	TULSA POWER STATION 138KV	85	0.00545	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11078	62
AEPW	TULSA POWER STATION 69KV	80	0.00545	EMD	RIVERTON 69KV	48.97457	0.11623	-0.11078	62
SWPA	BEAVER 161KV	24.04538	-0.04857	EMD	ASBURY 161KV	191	0.06051	-0.10908	63
GRDA	KERR 115KV	28.5	0.00834	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10789	63
WERE	BPU - CITY OF MCPHERSON 115KV	117.2178	0.01079	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10544	65
WERE	EMPORIA ENERGY CENTER 345KV	123	0.01187	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10436	65
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.01071	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10552	65
WERE	JEFFREY ENERGY CENTER 230KV	24	0.01118	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10505	65
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01115	EMD	RIVERTON 69KV	48.97457	0.11623	-0.10508	65
WERE	LAWRENCE ENERGY CENTER 230KV	36.78122	0.01128	EMD	RIVERTON 69KV	48.97457	0.11623	-0.1	

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

AEPW	LONESTAR POWER PLANT 69KV	50	0.00157	EMDE	ASBURY 161KV	191	0.06051	-0.05894	116
AEPW	WILKES 138KV	153.2123	0.00154	EMDE	ASBURY 161KV	191	0.06051	-0.05897	116
SWPA	TRUMAN 161KV	77.96863	0.00249	EMDE	ASBURY 161KV	191	0.06051	-0.05902	118
AEPW	KIOWA 345KV	1348	0.00456	EMDE	ASBURY 161KV	191	0.06051	-0.05955	122
AEPW	OEC 345KV	1778.03	0.00475	EMDE	ASBURY 161KV	191	0.06051	-0.05976	122
AEPW	COGENTRIX 345KV	261.4	0.00495	EMDE	ASBURY 161KV	191	0.06051	-0.05956	123
AEPW	WELLESKA 138KV	162	0.00485	EMDE	ASBURY 161KV	191	0.06051	-0.05966	123
GRDA	SALINA 161KV	60.78609	0.00497	EMDE	ASBURY 161KV	191	0.06051	-0.05484	124
AEPW	TULSA POWER STATION 138KV	85	0.00545	EMDE	ASBURY 161KV	191	0.06051	-0.05506	124
AEPW	TULSA POWER STATION 69KV	80	0.00545	EMDE	ASBURY 161KV	191	0.06051	-0.05506	124
GRDA	GRDA1 161KV	80	0.00585	EMDE	ASBURY 161KV	191	0.06051	-0.05466	125
SWPA	KEYSTONE DAM 161KV	49.22487	0.00612	EMDE	ASBURY 161KV	191	0.06051	-0.05925	125
AEPW	SOUTHWESTERN STATION 138KV	229	0.00626	EMDE	ASBURY 161KV	191	0.06051	-0.05425	126
AEPW	SOUTHWESTERN STATION 138KV	350	0.00626	EMDE	ASBURY 161KV	191	0.06051	-0.05425	126
WERE	BPU - CITY OF MCPHERSON 115KV	117.2178	0.01079	EMDE	ASBURY 161KV	191	0.06051	-0.04972	137
WERE	HUTCHINSON ENERGY CENTER 115KV	119	0.01071	EMDE	ASBURY 161KV	191	0.06051	-0.04988	137
WERE	EMPORIA ENERGY CENTER 345KV	123	0.01187	EMDE	ASBURY 161KV	191	0.06051	-0.04884	140
WERE	GILL ENERGY CENTER 138KV	84.99999	0.01417	EMDE	ASBURY 161KV	191	0.06051	-0.04634	147
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	CITY OF BURLINGTON 69KV	10048.25	0.01477	-0.04561	150
AEPW	TONTTOWIN 161KV	346.12	-0.01689	WERE	CHANUTE 69KV	56.037	0.02861	-0.04551	150
SWPA	BULL SHOALS 161KV	109.6422	-0.0164	WERE	CHANUTE 69KV	56.037	0.02861	-0.04501	152
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	EVANS ENERGY CENTER 138KV	535	0.01396	-0.04448	152
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	GILL ENERGY CENTER 138KV	155	0.01417	-0.04501	152
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	GILL ENERGY CENTER 69KV	75	0.01419	-0.04503	152
SPRM	SOUTHWEST 161KV	93.8	-0.01558	WERE	CHANUTE 69KV	56.037	0.02861	-0.04419	154
SPRM	LARUSSEL 161KV	196	-0.03084	WERE	NORTHEASTERN STATION 138KV	498	0.01285	-0.04425	154
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	EMPORIA ENERGY CENTER 345KV	310	0.01187	-0.04271	160
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01118	-0.04202	162
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	LAWRENCE ENERGY CENTER 230KV	232.2188	0.01128	-0.04212	162
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.01127	-0.04211	162
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01115	-0.04199	163
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	BPU - CITY OF MCPHERSON 115KV	74.78223	0.01079	-0.04163	164
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.01071	-0.04155	164
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	SMOKEY HILLS 34KV	76	0.0107	-0.04154	164
EMDE	LARUSSEL 161KV	196	-0.03084	WERE	NORTHEASTERN STATION 345KV	625	0.00921	-0.04005	170
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	COMANCHE 138KV	145	0.00622	-0.03706	184
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	SOUTHWESTERN STATION 138KV	287	0.00626	-0.0371	184
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	SOUTHWESTERN STATION 138KV	712	0.00626	-0.0371	184
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	KEYSTONE DAM 161KV	150.9751	0.00612	-0.03696	185
EMDE	LARUSSEL 161KV	196	-0.03084	GRDA	GRDA1 161KV	110	0.00585	-0.03669	186
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	TULSA POWER STATION 138KV	209	0.00545	-0.03629	188
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	COGENTRIX 345KV	865	0.00495	-0.03579	192
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	OEC 345KV	999	0.00475	-0.03559	191
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	BROKEN BOW 138KV	93.91374	0.0039	-0.03492	201
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	EUFULA 161KV	70.03899	0.00292	-0.03376	202
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	TRUMAN 161KV	102.6314	0.00249	-0.03333	205
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	WELSH 345KV	1044	0.00175	-0.03259	209
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	EASTMAN 138KV	325	0.00243	-0.03243	211
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	KNOXLEE 138KV	284	0.00144	-0.03228	211
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	LEBROCK 345KV	465	0.00146	-0.0323	211
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	PIRKEY GENERATION 138KV	253	0.00145	-0.03229	211
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	WILKES 138KV	309.7877	0.00154	-0.03238	211
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	WILKES 345KV	908	0.00149	-0.03223	211
EMDE	LARUSSEL 161KV	196	-0.03084	GRDA	GRDA1 345KV	198.8472	0.00138	-0.03222	212
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	ROBERT S. KERR 161KV	315.225	0.00126	-0.0321	213
AEPW	TONTTOWIN 161KV	346.12	-0.01689	WERE	CITY OF BURLINGTON 69KV	10048.25	0.01477	-0.03166	216
SWPA	BULL SHOALS 161KV	109.6422	-0.0164	WERE	CITY OF BURLINGTON 69KV	10048.25	0.01477	-0.03117	219
AEPW	TONTTOWIN 161KV	346.12	-0.01689	WERE	GILL ENERGY CENTER 138KV	155	0.01417	-0.03108	220
AEPW	TONTTOWIN 161KV	346.12	-0.01689	WERE	GILL ENERGY CENTER 69KV	75	0.01419	-0.03108	220
AEPW	TONTTOWIN 161KV	346.12	-0.01689	WERE	EVANS ENERGY CENTER 138KV	535	0.01396	-0.03085	221
SWPA	BULL SHOALS 161KV	109.6422	-0.0164	WERE	GILL ENERGY CENTER 138KV	155	0.01417	-0.03057	223
SWPA	BULL SHOALS 161KV	109.6422	-0.0164	WERE	GILL ENERGY CENTER 69KV	75	0.01419	-0.03059	223
SWPA	BULL SHOALS 161KV	109.6422	-0.0164	WERE	EVANS ENERGY CENTER 138KV	535	0.01396	-0.03036	225
EMDE	LARUSSEL 161KV	196	-0.03084	AEPW	FITZHUGH 161KV	85	-0.00052	-0.03032	225
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	OZARK 161KV	130.5677	-0.00053	-0.03031	225
SPRM	SOUTHWEST 161KV	93.8	-0.01558	WERE	CITY OF BURLINGTON 69KV	10048.25	0.01477	-0.03035	225
EMDE	LARUSSEL 161KV	196	-0.03084	SWPA	SIXTON 161KV	235	-0.00061	-0.03023	226

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CRT 1
 Direction: To->From
 Line Outage: EXHIB JUNCTION - SUMMIT 115KV CRT 1
 Flowgate: 2007AG1AFS4111013209WP
 Date Redispatch Needed: Starting 2009 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2009 Winter Peak

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WEPL	A. M. MULLERGEREN GENERATOR 115KV	1.520508	0.01058	-0.36657	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	AES 161KV	320	-0.00107	-0.35492	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	EMDE	ASBURY 161KV	191	-0.00112	-0.35487	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	CENTRAL WIND 34KV	30	-0.02311	-0.35483	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CHANUTE 69KV	44.303	-0.00189	-0.3541	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00577	-0.35022	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CITY OF BURLINGTON 69KV	10019	-0.00326	-0.35273	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CITY OF ERIE 69KV	1.690003	-0.00189	-0.3541	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CITY OF MULVANE 69KV	3.921	-0.00644	-0.34955	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00326	-0.35273	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	COGENTRIX 345KV	200	-0.00167	-0.35432	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	MIDW	COLBY 115KV	6.547997	0.01135	-0.36734	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	COMANCHE 138KV	145	-0.00188	-0.35431	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	COMANCHE 69KV	60	-0.00189	-0.3543	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	EASTMAN 138KV	355	-0.00089	-0.3551	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	EMDE	ELK RIVER 345KV	149.9962	-0.00452	-0.35147	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	ELLIS 69KV	6	-0.00109	-0.3549	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.00783	-0.34816	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	FITZHUGH 161KV	103	-0.00096	-0.35503	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.35468	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	FPLWIND2 34KV	21	-0.00231	-0.35368	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.36234	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.3645	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WEPL	HARPER 138KV	6.14	-0.0046	-0.35139	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	KACP	HAWTHORN 161KV	455	0.00178	-0.35777	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	HOLTON 115KV	6	0.00281	-0.3588	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	HORSESHOE LAKE 138KV	239.0913	-0.00225	-0.35374	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.35379	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.03347	-0.32252	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	KACP	IATAN 345KV	396	0.0037	-0.35969	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.36127	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01422	-0.37023	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599</						

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	REBUD 345KV	150	-0.00227	-0.35372	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	EMDE	RIVERTON 161KV	35	-0.00119	-0.35488	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	EMDE	RIVERTON 69KV	45.17018	-0.00116	-0.35483	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	SEMINOLE 345KV	621.3406	-0.00212	-0.35387	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	MIPU	SIBLEY 161KV	223.9575	0.00154	-0.35753	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.35759	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.35369	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.45204	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	SOONER 138KV	535	-0.00311	-0.35288	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	OKGE	SOONER 345KV	537	-0.00315	-0.35284	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	MIPU	SOUTH HARPER 161KV	52.8042	0.00112	-0.35711	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	SOUTH SENECA 115KV	4	-0.0032	-0.35567	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00172	-0.35427	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	SOUTHWESTERN STATION 138KV	10	-0.00172	-0.35427	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	EMDE	STATE LINE 161KV	299.7507	-0.00114	-0.35485	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.35356	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.35446	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	WELSH 345KV	1044	-0.00097	-0.35502	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	WILKES 138KV	132.524	-0.00092	-0.35507	1
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	AEPW	WILKES 345KV	213.0046	-0.0009	-0.35509	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	A M MULLER/GENRATOR 115KV	1,520,028	0.01058	-0.24565	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	AES 161KV	320	-0.00107	-0.234	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	ASBURY 161KV	191	-0.00112	-0.23395	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	CENTENAL WIND 34KV	30	-0.00231	-0.23276	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	CHANUTE 69KV	44.303	-0.00189	-0.23318	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	CITY OF AUGUSTA 69KV	12.42	-0.00577	-0.23187	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	CITY OF BURLINGTON 69KV	10019	-0.00326	-0.23181	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	CITY OF ERIE 69KV	1,690,003	-0.00189	-0.23318	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	CITY OF MULVANE 69KV	3,321	-0.00644	-0.22863	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.81	-0.00326	-0.23181	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	COGENTRIX 345KV	200	-0.00167	-0.2334	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIDW	COLBY 115KV	6,547,997	0.01135	-0.24642	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	COMANCHE 138KV	145	-0.00168	-0.23339	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	COMANCHE 69KV	60	-0.00169	-0.23338	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	EASTMAN 138KV	355	-0.00086	-0.23418	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	ELK RIVER 345KV	149.9962	-0.00452	-0.23055	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	ELLIS 69KV	6	-0.00109	-0.23398	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.00783	-0.22724	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	FITZ HUGH 161KV	19.03	-0.00086	-0.23411	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.23376	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	FPLWIND2 34KV	21	-0.00231	-0.23276	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.24142	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.24258	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	HARPER 138KV	6.14	-0.0046	-0.23247	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	HAWTHORN 161KV	465	0.00178	-0.23685	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	HOLTON 115KV	6	0.00281	-0.23788	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	HORSESHOE LAKE 138KV	239,019.13	-0.00225	-0.23282	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	HORSESHOE LAKE 69KV	103	-0.0022	-0.23282	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	IATAN 345KV	396	0.00357	-0.23877	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.24035	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.24931	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	JUDSON LARGE 115KV	37,30145	0.00632	-0.24139	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	KNOWLES 138KV	103	-0.00086	-0.23418	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	LACYONE UNIT 345KV	958	-0.00009	-0.23498	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIPU	LAKE ROAD 161KV	35	0.00255	-0.23762	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIPU	LAKE ROAD 34KV	92	0.00255	-0.23762	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	LARUSSEL 161KV	100	-0.00083	-0.23414	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	LAWRENCE ENERGY CENTER 230KV	220.6236	0.0000	-0.23187	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	LEBRONCK 345KV	315	-0.00089	-0.23118	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	MARSHALL 161KV	15	0.00099	-0.23606	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	MCCLAINE 138KV	470	-0.00226	-0.23281	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	MONTROSE 161KV	174,3024	0.00189	-0.23616	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	MUSKOGEE 161KV	138	-0.00149	-0.23355	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.23353	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	NEARMAN 20KV	235	0.00188	-0.23695	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	NORTHEASTERN STATION 138KV	407	-0.00167	-0.2334	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	NORTHEASTERN STATION 345KV	269	-0.00163	-0.23344	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	DEC 345KV	269	-0.00163	-0.23344	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	DEZARK BEACH 161KV	16	-0.00071	-0.23436	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	PIRKEY GENERATION 138KV	223	-0.00089	-0.23418	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	QUINDARO 69KV	84.4883	0.01088	-0.23585	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	KACP	QUINDARO 69KV	72	0.00188	-0.23695	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	REBUD 345KV	150	-0.00227	-0.2328	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	RIVERTON 161KV	35	-0.00119	-0.23388	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	RIVERTON 69KV	45.17018	-0.00116	-0.23381	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	SEMINOLE 345KV	621.3406	-0.00212	-0.23285	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIPU	SIBLEY 161KV	223.9575	0.00154	-0.23671	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.23669	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.23277	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.33112	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	SOONER 138KV	535	-0.00311	-0.23196	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	OKGE	SOONER 345KV	537	-0.00315	-0.23192	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	MIPU	SOUTH HARPER 161KV	52.8042	0.00112	-0.23619	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	SOUTH SENECA 115KV	4	-0.0032	-0.23335	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00172	-0.23335	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	10	-0.00172	-0.23335	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	EMDE	STATE LINE 161KV	299.7507	-0.00114	-0.23393	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.23264	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.23546	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	WELSH 345KV	1044	-0.00097	-0.2341	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	WILKES 138KV	132.524	-0.00092	-0.23415	1
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.23507	AEPW	WILKES 345KV	213.0046	-0.0009	-0.23417	1
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.19467	2
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	HUTCHINSON ENERGY CENTER 115KV	177	-0.00334	-0.19216	2
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.17602	2
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.12952	2
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.12934	2
MIDW	Ivins 115KV	989	-0.09402	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.09007	2
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35599	WERE	CLAY CENTER JUNCTION 115KV	1.34	-0.23507	-0.12092	3
MIPU	ARIES 161KV	598	0.00121	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.09484	3
AEPW	ARSENAL HILL 69KV	110	-0.00082	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.09687	3
EMDE	ASBURY 161KV	20	-0.00112	WERE	SMOKEY HILLS 34KV	177	0.00866	-0.09717	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	A M MULLER/GENRATOR 115KV	1,520,			

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	LARUSSEL 161KV	100	-0.00093	-0.09769	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	LAWRENCE ENERGY CENTER 230KV	220.236	0.0007	-0.09932	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	LEBROCK 345KV	315	-0.00089	-0.09773	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	MARSHALL 161KV	15	0.00099	-0.09661	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MCCLAIN 138KV	470	-0.00226	-0.09636	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	MONTROSE 161KV	174.3024	0.00109	-0.09971	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSKOGEE 161KV	138	-0.00149	-0.09713	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSKOGEE 345KV	1548	-0.00184	-0.09708	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	NEARMAN 20KV	235	0.00188	-0.1005	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	NORTHEASTERN STATION 138KV	407	-0.00167	-0.09695	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	NORTHEASTERN STATION 345KV	625	-0.00166	-0.09696	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	OEC 345KV	269	-0.00165	-0.09773	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.09791	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	PIRKEY GENERATION 138KV	223	-0.00089	-0.09773	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 161KV	94.46943	0.00188	-0.1005	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 69KV	72	0.00188	-0.1005	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	REBUD 345KV	150	-0.00227	-0.09638	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	RIVERTON 161KV	35	-0.00119	-0.09743	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	RIVERTON 69KV	45.17018	-0.00116	-0.09746	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SEMINOLE 345KV	621.3406	-0.00212	-0.0965	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIFPU	SIBLEY 161KV	223.3575	0.00154	-0.10116	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIFPU	SIBLEY 69KV	45.99999	0.0016	-0.10023	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.09632	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SOONER 138KV	535	-0.00311	-0.09551	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SOONER 345KV	537	-0.00315	-0.09547	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIFPU	SOUTH HARPER 161KV	52.8042	-0.0009	-0.09874	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	SOUTH SENECA 115KV	4	-0.00032	-0.0983	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	SOUTHWESTERN STATION 138KV	116	-0.00172	-0.0969	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	SOUTHWESTERN STATION 338KV	10	-0.00172	-0.0969	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	STATE LINE 161KV	299.7507	-0.0014	-0.09746	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.09619	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	WEATHERFORD 34KV	12	-0.00153	-0.09709	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	WELSH 345KV	1044	-0.00097	-0.09765	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	WILKES 138KV	132.524	-0.00092	-0.0977	3
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEWP	WILKES 345KV	213.0046	-0.0009	-0.09772	3
KACP	BULL CREEK 161KV	413	0.00169	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09436	3
WERE	CHANUTE 69KV	36.297	-0.00189	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09794	3
WEPL	CIMARRON RIVER 115KV	72	0.00681	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09824	3
WERE	CITY OF AUGUSTA 69KV	24.89	-0.00577	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10162	3
WERE	CITY OF BURLINGTON 69KV	59.5	-0.00326	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09831	3
WERE	CITY OF ERIE 69KV	24.84	-0.00189	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09794	3
WERE	CITY OF FREDONIA 69KV	10.294	-0.00226	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09831	3
WERE	CITY OF GIRARD 69KV	10.7	-0.0014	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09745	3
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00119	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09767	3
WERE	CITY OF IOLA 69KV	42.878	-0.00159	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09764	3
WERE	CITY OF MULVANE 69KV	11.869	-0.00644	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10249	3
WERE	CITY OF NEEDSHA 69KV	6.738	-0.00217	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09822	3
WERE	CITY OF WINFIELD 69KV	40	-0.0014	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10119	3
WEPL	CLIFTON 115KV	70	-0.00567	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10172	3
AEWP	COGENTRIX 345KV	694	-0.00167	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09772	3
AEWP	COMANCHE 138KV	15	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09773	3
AEWP	COMANCHE 69KV	3	-0.00169	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09774	3
AEWP	EASTMAN 138KV	130.01	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09746	3
WERE	ELLINWOOD 115KV	2.9	-0.07997	WEPL	A. M. MULLERGEREN GENERATOR 115KV	1.520508	0.01058	-0.09055	3
WERE	ELLINWOOD 115KV	2.9	-0.07997	MIDW	COLBY 115KV	6.547997	0.01135	-0.09132	3
WERE	ELLINWOOD 115KV	2.9	-0.07997	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.08848	3
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.08921	3
AEWP	ELLIS 69KV	20	-0.00109	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09774	3
WERE	EMPORIA ENERGY CENTER 345KV	811	0.00225	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09838	3
WERE	EVANS ENERGY CENTER 138KV	412.6538	-0.00783	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10388	3
AEWP	FITZHUGH 161KV	23	-0.00096	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09701	3
AEWP	FLINT CREEK 161KV	28	-0.00131	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09746	3
AEWP	FULTON 115KV	32.99999	-0.00078	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09683	3
KACP	GARDNER 161KV	11	0.0017	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09435	3
WERE	GETTY 69KV	35	-0.00562	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10167	3
WERE	GILL ENERGY CENTER 138KV	285	-0.00678	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09824	3
WERE	GILL ENERGY CENTER 69KV	118	-0.00678	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10284	3
MIFPU	GREENWOOD 161KV	255.8	0.00123	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09482	3
WEPL	HARPER 138KV	11.07	-0.0046	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10055	3
KACP	HAWTHORN 161KV	455	0.00178	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09427	3
WERE	HOLTON 115KV	13.8	0.00281	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09524	3
OKGE	HORSESHOE LAKE 138KV	620.9087	-0.00225	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0983	3
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09077	3
WEPL	JUDSON LARGE 115KV	65.69855	0.00632	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.08973	3
KACY	KAWI 69KV	242	0.00187	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09418	3
AEWP	KNOXLEE 345KV	1348	-0.00175	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09878	3
AEWP	KNOXLEE 138KV	320	-0.00088	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09693	3
EMDE	LAKE ROAD 161KV	91	0.00255	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0935	3
MIFPU	LARUSSEL 161KV	196	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09698	3
WERE	LAWRENCE ENERGY CENTER 230KV	48.37637	0.0007	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09535	3
AEWP	LEBROCK 345KV	352	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09684	3
AEWP	LIEBERMAN 138KV	272	-0.00084	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09689	3
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00092	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09697	3
MIDW	Yvons 115KV	999	-0.09402	WEPL	A. M. MULLERGEREN GENERATOR 115KV	1.520508	0.01058	-0.1046	3
MIDW	Yvons 115KV	999	-0.09402	OKGE	AES 161KV	191	-0.00112	-0.0926	3
MIDW	Yvons 115KV	999	-0.09402	EMDE	ASBURY 161KV	30	-0.00231	-0.09171	3
MIDW	Yvons 115KV	999	-0.09402	OKGE	CENTENIAL WIND 34KV	44.303	-0.00189	-0.09213	3
MIDW	Yvons 115KV	999	-0.09402	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00577	-0.09825	3
MIDW	Yvons 115KV	999	-0.09402	WERE	CITY OF BURLINGTON 69KV	100.19	-0.00326	-0.09076	3
MIDW	Yvons 115KV	999	-0.09402	WERE	CITY OF ERIE 69KV	1.689003	-0.00189	-0.09213	3
MIDW	Yvons 115KV	999	-0.09402	WERE	CITY OF MULVANE 69KV	3.921	-0.00644	-0.08758	3
MIDW	Yvons 115KV	999	-0.09402	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.81	-0.00326	-0.09076	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	COGENTRIX 345KV	694	-0.00167	-0.09772	3
MIDW	Yvons 115KV	999	-0.09402	MIDW	COLBY 115KV	6.547997	0.01135	-0.10537	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	COMANCHE 138KV	15	-0.00168	-0.09234	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	COMANCHE 69KV	60	-0.00169	-0.09233	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	EASTMAN 138KV	355	-0.00089	-0.09513	3
MIDW	Yvons 115KV	999	-0.09402	EMDE	ELK RIVER 345KV	149.9962	-0.00452	-0.0895	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	ELLIS 69KV	6	-0.00109	-0.09293	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	FITZHUGH 161KV	103	-0.00096	-0.09306	3
MIDW	Yvons 115KV	999	-0.09402	AEWP	FLINT CREEK 161KV	400	-0.00131	-0.09271	3
MIDW	Yvons 115KV	999	-0.09402	OKGE	FRYLAND 2 34KV	21	-0.00231	-0.09171	3
MIDW	Yvons 115KV	999	-0.09402	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.10037	3
MIDW	Yvons 115KV	999	-0.09402	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.10253	3
MIDW	Yvons 115KV								

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

MIDW	Yvons 115kV	999	-0.09402	MIPU	SIBLEY 161KV	223.9575	0.00154	-0.09556	3
MIDW	Yvons 115kV	999	-0.09402	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.09562	3
MIDW	Yvons 115kV	999	-0.09402	CKGE	SMITH COGEN 138KV	12	-0.0023	-0.09172	3
MIDW	Yvons 115kV	999	-0.09402	CKGE	SOONER 138KV	535	-0.00311	-0.09091	3
MIDW	Yvons 115kV	999	-0.09402	CKGE	SOONER 345KV	537	-0.00315	-0.09087	3
MIDW	Yvons 115kV	999	-0.09402	MIPU	SOUTH HARPER 161KV	52.8042	0.00112	-0.09514	3
MIDW	Yvons 115kV	999	-0.09402	WERE	SOUTH SENECA 115KV	4	-0.0032	-0.0937	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	SOUTHWESTERN STATION 138KV	116	-0.00172	-0.0923	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	SOUTHWESTERN STATION 138KV	10	-0.00172	-0.0923	3
MIDW	Yvons 115kV	999	-0.09402	EMDE	STATE LINE 161KV	299.7507	-0.00114	-0.09288	3
MIDW	Yvons 115kV	999	-0.09402	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.09159	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	WEATHERFORD 345KV	12	-0.0153	-0.09172	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	WELSH 345KV	1044	-0.00097	-0.09305	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	WILKES 138KV	132.524	-0.00092	-0.0931	3
MIDW	Yvons 115kV	999	-0.09402	AEWP	WILKES 345KV	213.0046	-0.0009	-0.09312	3
KACP	MARSHALL 161KV	39.1	0.00099	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09506	3
CKGE	MCCLAIN 138KV	50	-0.00226	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09531	3
AEWP	MID-CONTINENT 138KV	142.111	-0.0015	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09755	3
KACP	MONTROSE 161KV	249.6976	0.00109	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09496	3
CKGE	MUSKOGEE 161KV	28	-0.00149	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09754	3
CKGE	MUSKOGEE 345KV	177	-0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09759	3
CKGE	MUSTANG 138KV	365.5	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09537	3
CKGE	MUSTANG 69KV	106	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09837	3
AEWP	NARROWS 69KV	30	-0.00106	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09711	3
KACY	NEARMAN 161KV	80	0.00198	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	3
MIPU	NEVADA 69KV	20.3	0.00056	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09540	3
AEWP	NORTH MARSHALL 69KV	5	-0.00088	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09693	3
KACP	NORTHEAST 13KV	277	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	3
KACP	NORTHEAST 161KV	277	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	3
AEWP	NORTHEASTERN STATION 138KV	101	-0.00167	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09772	3
AEWP	NORTHEASTERN STATION 345KV	19.99997	-0.00166	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09771	3
AEWP	OEC 345KV	1878.03	-0.00163	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09768	3
WERE	OXFORD 138KV	3	-0.00538	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10143	3
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00308	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09525	3
MIDW	PAWNEE 115KV	999	-0.00368	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09743	3
AEWP	PIRKEY GENERATION 138KV	65	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	3
KACY	QUINDARO 161KV	142.5306	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	3
KACY	QUINDARO 69KV	105	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	3
MIPU	RALPH GREEN 69KV	73.77	0.00117	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09488	3
CKGE	REDDUD 345KV	1050	-0.00227	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09832	3
MIDW	rice 115KV	999	-0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09788	3
EMDE	RIVERTON 161KV	295	-0.00119	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09721	3
EMDE	RIVERTON 69KV	22.52982	-0.00116	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09724	3
CKGE	SEMINOLE 138KV	505	-0.00207	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09713	3
CKGE	SEMINOLE 345KV	408.2595	-0.00212	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09817	3
MIPU	SIBLEY 161KV	26.04248	0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09451	3
MIPU	SIBLEY 69KV	1.200012	0.0016	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09445	3
CKGE	SMITH COGEN 138KV	3	0.00223	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09535	3
CKGE	SOONER 138KV	5	-0.00311	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09516	3
CKGE	SOONER 345KV	3	-0.00315	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0992	3
CKGE	SOUTH 4TH ST 69KV	42.7	-0.00312	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09917	3
MIPU	SOUTH HARPER 161KV	262.1958	0.00112	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09493	3
WERE	SOUTH SENECA 115KV	127	-0.00332	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09507	3
AEWP	SOUTHWESTERN STATION 138KV	322	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	3
AEWP	SOUTHWESTERN STATION 138KV	1117	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	3
CKGE	SPGCK1&2 13.200 345KV	168	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	3
CKGE	SPGCK3&4 13.200 345KV	168	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	3
EMDE	STATE LINE 161KV	306.2493	-0.00114	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09743	3
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00243	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09848	3
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00209	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09895	3
CKGE	TINKER 50 138KV	62	-0.00223	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09828	3
AEWP	TORTTOWN 161KV	345.12	-0.00132	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09737	3
AEWP	TULSA POWER STATION 138KV	307	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09773	3
AEWP	TULSA POWER STATION 69KV	80	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09773	3
MIPU	TWA 161KV	32.1	0.00209	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09536	3
WERE	WADCO 138KV	30	-0.00689	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10294	3
AEWP	WELSTKA 138KV	152	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	3
AEWP	WILKES 138KV	355.476	-0.00092	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09697	3
AEWP	WILKES 345KV	97.99541	-0.0009	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09695	3
WEPL	A.M. MULLERGREEN GENERATOR 115KV	61.47949	0.01038	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.08547	4
MIDW	COLBY 115KV	18.452	0.0135	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09747	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	CKGE	AES 161KV	320	-0.00107	-0.0788	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	EMDE	ASBURY 161KV	191	-0.00112	-0.07885	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	CKGE	CENTENAL WIND 34KV	30	-0.00231	-0.07766	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	CHANUTE 69KV	44.303	-0.00189	-0.07808	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00577	-0.07742	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	CITY OF BURLINGTON 69KV	10019	-0.00326	-0.07671	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	CITY OF ERIE 69KV	1.690003	-0.00189	-0.07808	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	CITY OF MULVANE 69KV	3.921	-0.00644	-0.07353	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	COFFEY COUNTY WIND 2 SHARPE 69KV	19.81	-0.00329	-0.07671	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	COGENTRIX 345KV	200	-0.00167	-0.0783	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	COMANCHE 138KV	145	-0.00168	-0.07829	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	COMANCHE 69KV	60	-0.00169	-0.07828	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	EASTMAN 138KV	555	-0.00089	-0.07908	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	EMDE	ELK RIVER 345KV	149.9962	-0.00452	-0.07545	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	ELLIS 69KV	6	-0.00109	-0.07888	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.00783	-0.07214	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	FITZHUGH 161KV	103	-0.00096	-0.07901	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	FLINT CREEK 161KV	49	-0.00131	-0.07866	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	CKGE	FPLWIND2 34KV	21	-0.00231	-0.07766	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.08632	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WEPL	HARPER 138KV	6.14	-0.0046	-0.07537	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	KACP	HAWTHORN 161KV	455	0.00178	-0.08175	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	HOLTON 115KV	6	0.0028	-0.07578	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	CKGE	HORSESHOE LAKE 138KV	239.0913	-0.00225	-0.07772	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	CKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.07777	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	KACP	IATAN 345KV	396	0.0037	-0.08367	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	JEFFERTY ENERGY CENTER 230KV	170	0.00529	-0.08525	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WEPL	JIDDSON LARGE 115KV	37.30145	0.00632	-0.08629	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	AEWP	KNOXLEE 138KV	103	-0.00088	-0.07909	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	KACP	LACNGNE UNIT 345KV	958	-0.00009	-0.07988	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	MIPU	LAKE ROAD 161KV	35	0.00255	-0.08252	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	MIPU	LAKE ROAD 34KV	92	0.00255	-0.08252	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	EMDE	LARUSSEL 161KV	100	-0.00093	-0.07904	4
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.0007	-0.08067	4
WERE	ELLINWOOD 115KV	2.9	-0.07997</						

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

WERE	JEFFREY ENERGY CENTER 345KV	42	0.01424	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.08181	4
MIDW	Yorns 115KV	999	-0.09402	WERE	EVANS ENERGY CENTER 138KV	350.342	-0.0783	-0.08619	4
WERE	SBU- CITY OF MCPHERSON 115KV	233	-0.08862	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.0347	-0.06515	5
MIDW	KNOLL 115KV	75.924	0.03722	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.05883	5
MIDW	Yorns 115KV	999	-0.09402	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.0347	-0.06055	5
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.04771	6
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.04753	6
WERE	ELLINWOOD 115KV	2.9	-0.07997	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.0347	-0.06055	7
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIDW	COLBY 115KV	6.547997	0.01135	-0.04482	7
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.04198	7
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIDW	COLBY 115KV	6.547997	0.01135	-0.04464	7
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00851	-0.04198	7
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.03982	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	HOLTON 115KV	6	0.00281	-0.03628	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	IATAN 345KV	396	0.0037	-0.03717	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.03875	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WEPL	JUDSON LARGE 115KV	37.30145	0.00632	-0.03978	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIFU	LAKE ROAD 161KV	35	0.00255	-0.03602	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIFU	LAKE ROAD 34KV	92	0.00255	-0.03602	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.03964	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	HOLTON 115KV	6	0.00281	-0.03681	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	IATAN 345KV	396	0.0037	-0.03699	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.03857	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WEPL	JUDSON LARGE 115KV	37.30145	0.00632	-0.03961	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	LAKE ROAD 161KV	35	0.00255	-0.03584	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	LAKE ROAD 34KV	92	0.00255	-0.03584	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	AES 161KV	320	-0.00107	-0.0324	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	EMDE	ASBURY 161KV	191	-0.00112	-0.03235	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	EASTMAN 138KV	355	-0.00089	-0.03258	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	ELLIS 69KV	103	-0.00096	-0.03251	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	FITZLUUGH 161KV	103	-0.00096	-0.03251	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.03216	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	HAWTHORN 161KV	455	0.00178	-0.03525	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	KNOXLEE 138KV	103	-0.00089	-0.03259	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	LACYGNE UNIT 345KV	958	0.00009	-0.03338	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	EMDE	LARUSSEL 161KV	100	-0.00093	-0.03254	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.0007	-0.03417	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	LEBROCK 345KV	315	-0.00089	-0.03258	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	MARSHALL 161KV	15	0.00089	-0.03446	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	MONTRROSE 161KV	174.3024	0.00109	-0.03456	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	MUSKOGEE 161KV	138	-0.00149	-0.03198	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	NEARMAN 20KV	235	0.00188	-0.03535	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.03276	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	PIRKIE GENERATION 138KV	223	-0.00089	-0.03259	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	QUINDARO 161KV	94.46943	0.00188	-0.03535	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	KACP	QUINDARO 69KV	72	0.00188	-0.03535	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	EMDE	RIVERTON 161KV	35	-0.00119	-0.03228	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	EMDE	RIVERTON 69KV	45.17018	-0.00116	-0.03213	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIFU	SIBLEY 161KV	223.9575	0.00154	-0.03501	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.03507	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	MIFU	SOUTH HARPER 161KV	52.8042	0.00112	-0.03459	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	SOUTH SENECA 115KV	4	-0.00032	-0.03315	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	STATE LINE 161KV	299.7597	-0.00114	-0.03223	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	WELSH 345KV	1044	-0.00097	-0.0325	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	WILKES 138KV	132.524	-0.00092	-0.03255	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	WILKES 345KV	213.0046	-0.0009	-0.03257	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	AES 161KV	320	-0.00107	-0.03222	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	ASBURY 161KV	191	-0.00112	-0.03235	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	EASTMAN 138KV	355	-0.00089	-0.0324	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	FITZLUUGH 161KV	103	-0.00096	-0.03222	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.03216	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	HAWTHORN 161KV	455	0.00178	-0.03507	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	KNOXLEE 138KV	103	-0.00089	-0.03241	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	LACYGNE UNIT 345KV	958	0.00009	-0.0332	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	LARUSSEL 161KV	100	-0.00093	-0.0325	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.0007	-0.03456	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	LEBROCK 345KV	315	-0.00089	-0.0324	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	MARSHALL 161KV	15	0.00089	-0.03428	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	MONTRROSE 161KV	174.3024	0.00109	-0.03488	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	NEARMAN 20KV	235	0.00188	-0.03517	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.03258	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	PIRKIE GENERATION 138KV	223	-0.00089	-0.0324	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	QUINDARO 161KV	94.46943	0.00188	-0.03517	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	QUINDARO 69KV	72	0.00188	-0.03517	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	RIVERTON 161KV	35	-0.00119	-0.03213	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	RIVERTON 69KV	45.17018	-0.00116	-0.03213	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	SIBLEY 161KV	223.9575	0.00154	-0.03483	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.03489	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	SOUTH HARPER 161KV	52.8042	0.00112	-0.03461	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	SOUTH SENECA 115KV	4	-0.00032	-0.03297	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	STATE LINE 161KV	299.7597	-0.00114	-0.03215	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	WELSH 345KV	1044	-0.00097	-0.03232	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	WILKES 138KV	132.524	-0.00092	-0.03237	9
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	WILKES 345KV	213.0046	-0.0009	-0.03239	9
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	CENTENIAL WIND 34KV	30	-0.00231	-0.03116	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	CHANUTE 69KV	44.303	-0.00189	-0.03158	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	CITY OF BURLINGTON 69KV	10019	-0.00326	-0.03021	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00326	-0.03021	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	COGENTRIX 345KV	200	-0.00167	-0.0318	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	COMANCHE 138KV	145	-0.00168	-0.03179	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	COMANCHE 69KV	60	-0.00169	-0.03178	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	FRYLAND 34KV	21	-0.00231	-0.03116	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	HORSESHOE LAKE 138KV	239.0913	-0.00227	-0.03122	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.03127	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	MCCLAIN 138KV	470	-0.00226	-0.03121	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.03193	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	NORTHEASTERN STATION 138KV	407	-0.00167	-0.0318	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	AEPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.03181	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	REDBUD 345KV	269	-0.00163	-0.03184	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	SEMINOLE 345KV	150	-0.00227	-0.0312	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	SEMINOLE 138KV	621.3406	-0.00212	-0.03135	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03117	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	SOONER 138KV	535	-0.00311	-0.03036	10
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.03347	OKGE	SOONER 345KV</				

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

Upgrade: Summit - NE Saline 115 kV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: SPP-WERE-73
 Flowgate: 2007AG1AFS4111021320BSP
 Date Redispatch Needed: 6/1/08 - 10/1/08
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.2	1.2										
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.36223	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	AES 161KV	320	-0.00114	-0.36844	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	ASBURY 161KV	191	-0.00011	-0.36847	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	BULL CREEK 161KV	308	0.00056	-0.36914	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.36818	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CHANUTE 69KV	56.037	-0.00021	-0.36837	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WEPL	CHARRON RIVER 115KV	11.55588	-0.00244	-0.36614	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.36782	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.36833	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF ERIE 69KV	2	-0.00021	-0.36837	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.36831	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.36844	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.36879	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.36778	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.36794	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	CLIFTON 115KV	65	-0.01278	-0.3558	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.36833	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	COGENTRIX 345KV	200	-0.00021	-0.36837	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIDW	COLBY 115KV	13.17791	0.00323	-0.37181	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	COMANCHE 138KV	145	-0.00038	-0.3682	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	COMANCHE 69KV	60	-0.00038	-0.3682	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	EASTMAN 138KV	355	-0.00013	-0.36845	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	ELK RIVER 345KV	149.9596	-0.00041	-0.36817	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	ELLIS 69KV	6	-0.00014	-0.36844	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.36862	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.3679	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	FITZHUGH 161KV	85	-0.00012	-0.36846	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	FLINT CREEK 161KV	400	-0.00015	-0.36843	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	FWLINDZ 24KV	26	-0.0004	-0.36818	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	GILL ENERGY CENTER 138KV	155	-0.0012	-0.36746	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.36758	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.3645	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00275	-0.36853	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	HARDWOOD 161KV	24.78	0.00014	-0.36872	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	HARPER 138KV	8.49	-0.00567	-0.36291	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	HAWTHORN 161KV	762	0.00041	-0.36899	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	HOLTON 115KV	12.2	-0.00083	-0.36775	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.36827	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	HORSESHOE LAKE 69KV	16	-0.00021	-0.36827	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	IATAN 345KV	396	0.0015	-0.37008	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.37772	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WEPL	JUDSON LARGE 115KV	97.50363	-0.0041	-0.36448	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIDW	KNOLL 115KV	42.14067	0.02292	-0.36826	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	KNOXLE 138KV	284	-0.00013	-0.36845	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.36864	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	LAKE ROAD 161KV	85.14417	0.00072	-0.3693	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	LAKE ROAD 34KV	92	0.00072	-0.3692	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	LARUSSEL 161KV	100	-0.00009	-0.36849	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.36648	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	LEBROCK 345KV	465	-0.00013	-0.36845	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	LIEBERMAN 138KV	13.03939	-0.00012	-0.36846	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	MARSH 161KV	150.18	0.00018	-0.36826	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	MCCLAIN 138KV	470	-0.00032	-0.36826	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	MONTROSE 161KV	357.3008	0.00017	-0.36875	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.36839	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	MUSKOGEE 345KV	150	-0.00021	-0.36838	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	MUSTANG 138KV	351	-0.00033	-0.36825	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	MUSTANG 69KV	90	-0.00033	-0.36825	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	NARROWS 69KV	22	-0.00016	-0.36842	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	NEARMAN 161KV	77	0.00044	-0.36902	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	NEARMAN 29KV	23	0.00044	-0.36902	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	NEVADA 69KV	18.3	0.00008	-0.36866	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	NORTHEASTERN STATION 138KV	488	-0.0002	-0.36838	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.36839	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	OGC 345KV	289	-0.0002	-0.36836	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.36851	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.36872	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.36845	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	QUINDARO 161KV	118.0116	0.00044	-0.36902	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	KACP	QUINDARO 69KV	116.1768	0.0004	-0.36902	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.3687	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	REDDUD 345KV	150	-0.00031	-0.36827	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.36848	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	EMDE	RIVERTON 69KV	42.58283	-0.00012	-0.36846	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.36828	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SEMINOLE 345KV	1019	-0.0003	-0.36828	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.36889	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SMITH COGEN 138KV	177	-0.00021	-0.36926	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.44997	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SOONER 138KV	535	-0.00036	-0.36822	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SOONER 345KV	537	-0.00036	-0.36822	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	OKGE	SOUTH WEST 69KV	37	-0.00038	-0.36862	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.36863	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.36435	3			
WERE	36.67578	-0.36858	ABELNE ENERGY CENTER 115KV	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.368				

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	EASTMAN 138KV	355	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.24476	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	ELLIS 69KV	150	-0.00004	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.24521	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.24448	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	FITZLUUGH 161KV	85	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	FLINT CREEK 161KV	400	-0.00015	-0.24502	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	FWLND2 34KV	26	-0.00004	-0.24477	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	GILL ENERGY CENTER 138KV	165	-0.00112	-0.24405	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	GILL ENERGY CENTER 69KV	52	-0.00001	-0.24417	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.24109	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00275	-0.24243	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	GREENWOOD 161KV	247.8	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WEPL	HARPER 138KV	8.49	-0.00567	-0.2395	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	HAWTHORN 161KV	762	0.00041	-0.24558	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	HOLTON 115KV	12.2	-0.00083	-0.24434	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	HORSESHOE LAKE 138KV	796	0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	IATAN 345KV	396	0.0015	-0.24667	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.24537	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	JEFFREY ENERGY CENTER 345KV	940	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WEPL	JUDDSON LARGE 115KV	97.50363	-0.0041	-0.24107	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	KNOXLEE 138KV	284	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	LACYGNE UNIT 345KV	958	0.00006	-0.24523	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	LAKE ROAD 161KV	85.14417	0.00072	-0.24588	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	LAKE ROAD 34KV	92	0.00072	-0.24588	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 EMDE	LARUSSEL 161KV	100	-0.00009	-0.24508	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.24307	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	LEBRONCK 345KV	465	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	LIEBERMAN 138KV	13.09399	-0.00012	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	MARSHALL 161KV	15	0.00018	-0.24535	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	MCCLAIN 138KV	470	-0.00032	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	MONTROSE 161KV	357.3008	0.00017	-0.24534	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	MUSKOGEE 161KV	166	-0.00019	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	MUSKOGEE 345KV	198	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	MUSTANG 138KV	351	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	MUSTANG 69KV	90	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	NARROW5 69KV	22	-0.00016	-0.24541	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	NEARMAN 138KV	77	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	NEARMAN 20KV	236	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	NEVADA 69KV	18.3	0.00008	-0.24526	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	NORTHEASTERN STATION 138KV	488	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	OCG 345KV	299	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 EMDE	OZARK BEACH 161KV	16	-0.00007	-0.2451	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	QUINDARO 161KV	116.176	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 KACP	QUINDARO 69KV	116.1758	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	RALPH GREEN 69KV	71.7	0.00012	-0.24529	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	REDBUD 345KV	150	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	RIVERTON 69KV	42.58288	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SEMINOLE 345KV	1019	-0.0003	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	SIBLEY 161KV	230.1187	0.00031	-0.24548	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 MIFU	SIBLEY 69KV	45.99989	0.00033	-0.2455	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SMITH COGEN 138KV	107	-0.00033	-0.24521	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SOONER 138KV	535	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SOONER 345KV	537	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	SOUTH HARPER 161KV	314	0.00006	-0.24522	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.24094	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SOUTHWESTERN STATION 345KV	772	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SPRICK162 13.200 345KV	60	-0.00033	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	SPRICK344 13.200 345KV	60	-0.00033	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 EMDE	STATE LINE 161KV	532	-0.00011	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.23935	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	THINKER 5G 138KV	60	-0.00032	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	TULSA POWER STATION 138KV	229	-0.00021	-0.24474	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	WEATHERFORD 34KV	12	-0.00043	-0.24474	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	WELSH 345KV	1044	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	WILKES 138KV	424.0341	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 AEPW	WILKES 345KV	308	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 OKGE	WOODWARD 24KV	177	-0.00014	-0.24477	5
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	SMOKEY HILLS 34KV	177	0.08139	-0.20446	6
WERE	ELLINWOOD 115KV	2.9	-1.09888 WERE	SMOKEY HILLS 34KV	177	0.08139	-0.19127	6
MIDW	Ypems 115KV	999	-1.2251 WERE	SMOKEY HILLS 34KV	177	0.08139	-0.2039	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.08806	-0.21768	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517 WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.17724	7
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 MIDW	KNOLL 115KV	42.14067	0.02227	-0.14534	8
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809 WERE	SMOKEY HILLS 34KV	177	0.08139	-0.19498	8
MIDW	Ypems 115KV	999	-1.2251 MIDW	KNOLL 115KV	42.14067	0.02227	-0.14478	8
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 MIDW	COLBY 115KV	13.17791	0.00323	-0.12627	9
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13221	9
MIDW	Ypems 115KV	999	-1.2251 MIDW	COLBY 115KV	13.17791	0.00323	-0.12574	9
MIDW	Ypems 115KV	999	-1.2251 WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13165	9
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858 WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.24517	-0.12341	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.00635	-0.11672	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 OKGE	AES 161KV	320	-0.00014	-0.12293	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 EMDE	ASBURY 161KV	191	-0.00011	-0.12296	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 KACP	BULL CREEK 161KV	308	0.00096	-0.12363	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 OKGE	CENTENAL WIND 34KV	16	-0.0002	-0.12267	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CHARLENE 69KV	56.037	-0.00021	-0.12286	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WEPL	CHARRON RIVER 115KV	11.55588	-0.00244	-0.12063	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12231	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CITY OF BURLINGTON 69KV	100.48	-0.00025	-0.12262	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.12293	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.12328	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CITY OF MULVANE 69KV	8.29	-0.00008	-0.12227	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12243	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 WERE	COFFEY COLONY 002Z 2 SHARPE 69KV	19.98	0.00025	-0.12262	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 AEPW	COGENTRIX 345KV	200	-0.00021	-0.12286	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 AEPW	COMANCHE 138KV	145	-0.00038	-0.12269	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 AEPW	COMANCHE 69KV	60	-0.00038	-0.12269	10
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-1.2307 AEPW	EASTMAN 138KV	355	-0.00013	-0	

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	MUSKOGEE 161KV	166	-0.00019	-0.12288	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	MUSTANG 138KV	351	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	MUSTANG 69KV	90	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	NARROWS 69KV	22	-0.00016	-0.12291	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	KACY	NEARMAN 161KV	77	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	KACY	NEARMAN 20KV	235	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	MIPU	NEVADA 69KV	18.3	0.00008	-0.12315	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	NORTHEASTERN STATION 348KV	488	-0.0002	-0.12287	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12288	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	OEC 345KV	269	-0.0002	-0.12287	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.123	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.12321	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	KACY	QUINDARO 161KV	118.0116	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	KACY	QUINDARO 69KV	116.1758	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.12263	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	REDBUD 345KV	150	-0.00031	-0.12276	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.12295	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.12295	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SEMINOLE 138KV	443.1797	-0.0003	-0.12277	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SEMINOLE 345KV	1019	-0.0003	-0.12277	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.12338	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.1234	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SMITH COGEN 138KV	107	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SOONER 138KV	535	-0.00036	-0.12271	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SOONER 345KV	537	-0.00036	-0.12271	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.12312	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	WERE	SOUTH SENECA 115KV	12	-0.00043	-0.11884	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SPGK182 13.200 345KV	60	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	SPGK384 13.200 345KV	60	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	EMDE	STATE LINE 161KV	532	-0.00011	-0.12266	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11725	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	TINKER 5G 138KV	60	-0.00032	-0.12275	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.12286	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12268	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	WELSH 345KV	1044	-0.00014	-0.12293	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	WILKES 138KV	424.0341	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	AEPW	WILKES 345KV	308	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-12307	OKGGE	WOODWARD 24KV	10	-0.0004	-0.12267	10
MIDW	Yvons 115kv	999	-12251	WEPL	A M MULLER GENERATOR 115KV	8.5	-0.00035	-0.11616	10
MIDW	Yvons 115kv	999	-12251	OKGGE	AES 161KV	320	-0.00014	-0.12237	10
MIDW	Yvons 115kv	999	-12251	EMDE	ASBURY 161KV	191	-0.00011	-0.1224	10
MIDW	Yvons 115kv	999	-12251	KACP	BULL CREEK 161KV	308	0.00056	-0.12307	10
MIDW	Yvons 115kv	999	-12251	OKGGE	CENTRAL WIND 34KV	16	-0.00043	-0.12211	10
MIDW	Yvons 115kv	999	-12251	WERE	CHANULE 69KV	56.037	-0.00021	-0.1223	10
MIDW	Yvons 115kv	999	-12251	WEPL	CHARRON RIVER 115KV	11.55588	-0.00044	-0.12007	10
MIDW	Yvons 115kv	999	-12251	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12175	10
MIDW	Yvons 115kv	999	-12251	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.12226	10
MIDW	Yvons 115kv	999	-12251	WERE	CITY OF GIRARD 69KV	3.6	-0.00043	-0.12263	10
MIDW	Yvons 115kv	999	-12251	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.12272	10
MIDW	Yvons 115kv	999	-12251	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.12171	10
MIDW	Yvons 115kv	999	-12251	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12187	10
MIDW	Yvons 115kv	999	-12251	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.12226	10
MIDW	Yvons 115kv	999	-12251	AEPW	COGENTR 345KV	9	-0.0002	-0.12263	10
MIDW	Yvons 115kv	999	-12251	AEPW	COMANCHE 138KV	145	-0.00038	-0.12213	10
MIDW	Yvons 115kv	999	-12251	AEPW	COMANCHE 345KV	60	-0.00038	-0.12213	10
MIDW	Yvons 115kv	999	-12251	AEPW	EASTMAN 138KV	555	-0.00013	-0.12238	10
MIDW	Yvons 115kv	999	-12251	EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.1221	10
MIDW	Yvons 115kv	999	-12251	AEPW	ELLIS 69KV	6	-0.00014	-0.12237	10
MIDW	Yvons 115kv	999	-12251	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.12255	10
MIDW	Yvons 115kv	999	-12251	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.12183	10
MIDW	Yvons 115kv	999	-12251	AEPW	FRTZHUGH 161KV	85	-0.00012	-0.12239	10
MIDW	Yvons 115kv	999	-12251	OKGGE	FLUNT CREEK 161KV	400	-0.0001	-0.12168	10
MIDW	Yvons 115kv	999	-12251	OKGGE	FPLW2D2 34KV	26	-0.0004	-0.12211	10
MIDW	Yvons 115kv	999	-12251	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12139	10
MIDW	Yvons 115kv	999	-12251	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12151	10
MIDW	Yvons 115kv	999	-12251	KACP	GRAY COUNTY WIND FARM 115KV	70	-0.00043	-0.12183	10
MIDW	Yvons 115kv	999	-12251	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.977	-0.00075	-0.11976	10
MIDW	Yvons 115kv	999	-12251	MIPU	GREENWOOD 161KV	247.8	0.00014	-0.12265	10
MIDW	Yvons 115kv	999	-12251	WEPL	HARPER 138KV	8.49	-0.00067	-0.11684	10
MIDW	Yvons 115kv	999	-12251	KACP	HAWTHORN 161KV	762	0.00041	-0.12292	10
MIDW	Yvons 115kv	999	-12251	WERE	HOLTON 115KV	12.2	-0.0003	-0.12168	10
MIDW	Yvons 115kv	999	-12251	OKGGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.1222	10
MIDW	Yvons 115kv	999	-12251	OKGGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.1222	10
MIDW	Yvons 115kv	999	-12251	OKGGE	IATAN 345KV	396	0.00015	-0.12401	10
MIDW	Yvons 115kv	999	-12251	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00043	-0.12271	10
MIDW	Yvons 115kv	999	-12251	WEPL	JIDDSON LARGE 115KV	97.50363	-0.0004	-0.11841	10
MIDW	Yvons 115kv	999	-12251	AEPW	KNOXLEE 138KV	284	-0.00013	-0.12238	10
MIDW	Yvons 115kv	999	-12251	KACP	LACYGNE UNIT 345KV	956	0.00006	-0.12257	10
MIDW	Yvons 115kv	999	-12251	MIPU	LAKE ROAD 161KV	85.14473	0.00072	-0.12323	10
MIDW	Yvons 115kv	999	-12251	MIPU	LAKE ROAD 34KV	92	0.00072	-0.12323	10
MIDW	Yvons 115kv	999	-12251	EMDE	LARUSSEL 161KV	100	-0.00009	-0.12242	10
MIDW	Yvons 115kv	999	-12251	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.00021	-0.12041	10
MIDW	Yvons 115kv	999	-12251	AEPW	LEBRONCK 345KV	465	-0.00013	-0.12238	10
MIDW	Yvons 115kv	999	-12251	AEPW	LIEBERMAN 138KV	13.09399	-0.00012	-0.12239	10
MIDW	Yvons 115kv	999	-12251	KACP	MARSHALL 161KV	15	0.00018	-0.12269	10
MIDW	Yvons 115kv	999	-12251	OKGGE	MCCLAIN 138KV	470	-0.00032	-0.12219	10
MIDW	Yvons 115kv	999	-12251	KACP	MONTROSE 161KV	357.3008	0.00017	-0.12268	10
MIDW	Yvons 115kv	999	-12251	OKGGE	MUSKOGEE 161KV	166	-0.00019	-0.12232	10
MIDW	Yvons 115kv	999	-12251	OKGGE	MUSKOGEE 345KV	148	-0.0002	-0.12231	10
MIDW	Yvons 115kv	999	-12251	OKGGE	MUSTANG 138KV	351	-0.00033	-0.12218	10
MIDW	Yvons 115kv	999	-12251	OKGGE	MUSTANG 69KV	90	-0.00033	-0.12218	10
MIDW	Yvons 115kv	999	-12251	AEPW	NARROWS 69KV	22	-0.00016	-0.12236	10
MIDW	Yvons 115kv	999	-12251	KACY	NEARMAN 161KV	77	0.00044	-0.12266	10
MIDW	Yvons 115kv	999	-12251	KACY	NEARMAN 20KV	235	0.00044	-0.12266	10
MIDW	Yvons 115kv	999	-12251	MIPU	NEVADA 69KV	18.3	0.00008	-0.12259	10
MIDW	Yvons 115kv	999	-12251	AEPW	NORTHEASTERN STATION 348KV	488	-0.0002	-0.12231	10
MIDW	Yvons 115kv	999	-12251	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12232	10
MIDW	Yvons 115kv	999	-12251	AEPW	OEC 345KV	269	-0.0002	-0.12231	10
MIDW	Yvons 115kv	999	-12251	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.12244	10
MIDW	Yvons 115kv	999	-12251	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.12265	10

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

WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	KNOLL 115KV	42.14067	0.02227	-0.09036	13
WEPL	CIMARRON RIVER 115KV	35.44412	-0.00244	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08383	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00076	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08215	14
WERE	CITY OF MULVANE 69KV	7.5	-0.0008	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08219	14
WERE	CITY OF WINFIELD 69KV	13.68999	-0.00064	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08203	14
WERE	EVANS ENERGY CENTER 138KV	53	-0.00069	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08207	14
WERE	GETTY 69KV	35	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00112	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08251	14
WERE	GILL ENERGY CENTER 69KV	48	-0.001	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08239	14
WEPL	HARPER 138KV	8.72	-0.00567	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08706	14
WERE	HOLTON 115KV	7.6	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
WEPL	JUDSON LARGE 115KV	5.496369	-0.00141	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08135	14
WERE	LAWRENCE ENERGY CENTER 230KV	38.604	-0.0021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08349	14
WERE	SOUTH SENECA 115KV	8.2	-0.00423	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08662	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00582	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08721	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00637	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08776	14
WERE	WAGO 138KV	30	-0.00107	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08246	14
MIPU	ARIES 161KV	594.9985	0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08127	15
AEPW	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACP	BULL CREEK 161KV	105	0.00356	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08063	15
WERE	CHANUTE 69KV	24.563	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	15
WERE	CITY OF ERIE 69KV	24.53	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
WERE	CITY OF FREDONIA 69KV	7.104	-0.00027	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08166	15
WERE	CITY OF GIRARD 69KV	7.1	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08166	15
KACP	CITY OF HIGGINSVILLE 69KV	5.107727	0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08118	15
WERE	CITY OF IOLA 69KV	42.878	-0.00017	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08156	15
WERE	CITY OF NEDESHA 69KV	6.738	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	15
AEPW	COCENTRIX 345KV	694	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
MIDW	COLBY 115KV	11.82209	0.00323	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07816	15
AEPW	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
WERE	EMPORIA ENERGY CENTER 345KV	283	0.00004	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08135	15
AEPW	FITZHUGH 161KV	41	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	15
AEPW	FULTON 115KV	32.99999	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08065	15
KACP	HAWTHORN 161KV	39	0.00041	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08098	15
OKGE	HORSESHOE LAKE 138KV	64	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0817	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.07723	15
WERE	JEFFREY ENERGY CENTER 230KV	24	0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08119	15
KACY	KAWI 69KV	243	0.00045	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08104	15
AEPW	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08165	15
AEPW	KNOXLEE 138KV	139	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
MIPU	LAKE ROAD 161KV	30.85583	0.00072	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08067	15
WERE	LARUSSEL 161KV	198	-0.00029	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08148	15
AEPW	LEBRUCK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
AEPW	LIEBERMAN 138KV	236.906	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
KACP	MARSHALL 161KV	39.1	0.00018	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08121	15
OKGE	MCCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	15
AEPW	MID-CONTINENT 138KV	142.11	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08167	15
KACP	MONTROSE 161KV	23.69917	0.00017	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08122	15
OKGE	MUSKOGEE 345KV	17	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
OKGE	MUSTANG 138KV	49	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
OKGE	MUSTANG 69KV	15.99999	0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
AEPW	NORTH MARSHALL 69KV	5	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
KACP	NORTHEAST 13KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
KACP	NORTHEAST 161KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
AEPW	NORTHEASTERN STATION 138KV	19.99997	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08158	15
AEPW	OEC 345KV	1878.03	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
KACP	PAOLA COMBUSTION TURBINES 161KV	13.51686	0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08125	15
AEPW	PIRKEY GENERATION 138KV	35	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACY	QUINDARO 161KV	118.9884	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
KACY	QUINDARO 69KV	60.82416	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
OKGE	REDBUD 345KV	1050	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0817	15
MIDW	REG 115KV	999	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
EMDE	RIVERTON 161KV	149.1704	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
EMDE	RIVERTON 69KV	25.41731	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
OKGE	SEMINOLE 138KV	61.82028	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
OKGE	SEMINOLE 345KV	10.60004	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
MIPU	SIBLEY 161KV	19.88135	0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08108	15
OKGE	SOONER 138KV	5	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08175	15
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	SOUTHWESTERN STATION 138KV	290	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
OKGE	SPACK 13 13.200 345KV	18	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
OKGE	SPACK&4 13.200 345KV	18	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
EMDE	STATE LINE 161KV	74	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
AEPW	TONTOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	15
AEPW	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
MIPU	TWA 161KV	32.11	-0.00055	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08084	15
AEPW	WLEETKA 138KV	162	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	15
AEPW	WILKES 138KV	38.96588	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07225	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	AES 161KV	320	-0.00014	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	ASBURY 161KV	191	-0.00011	-0.06798	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	BULL CREEK 161KV	308	0.00056	-0.06865	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CHANUTE 69KV	56.037	-0.00021	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	CITY OF HIGGINSVILLE 69KV	300	0.0002	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	COFFY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COCENTRIX 345KV	200	-0.00021	-0.06780	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	COLBY 115KV	13.17791	0.00323	-0.07132	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	EASTMAN 138KV	30	-0.00014	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	ELLIS 69KV	6	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.06813	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FITZHUGH 161KV	85	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06794	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	GREENWOOD 161KV	247.8	0.00014	-0.06823	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	HAWTHORN 161KV	762	0.00041	-0.0685	17
WERE	HUTCHINSON ENERGY								

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WELSH 345KV	1044	-0.00014	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WILKES 138KV	424.039W	-0.00013	-0.06786	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WILKES 345KV	308	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.06769	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	CHARRON RIVER 115KV	11.55588	-0.00244	-0.06656	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00078	-0.06733	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF MULVANE 69KV	8.29	-0.0009	-0.06728	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.06745	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COMANCHE 138KV	145	-0.00038	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COMANCHE 69KV	60	-0.00038	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	EUK RIVER 345KV	149.9056	-0.00041	-0.06768	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	EVANS ENERGY CENTER 138KV	620	-0.00068	-0.06741	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	FPLWIND2 34KV	26	-0.0004	-0.06769	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	GILL ENERGY CENTER 138KV	165	-0.00112	-0.06697	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.06709	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9737	-0.00275	-0.06534	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	HOLTON 115KV	12.2	-0.00083	-0.06726	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.06778	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.06599	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	MCCLAIN 138KV	470	-0.00032	-0.06777	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	MUSTANG 138KV	351	-0.00033	-0.06776	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	MUSTANG 69KV	90	-0.00033	-0.06776	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	REDDUD 345KV	150	-0.00031	-0.06778	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.06778	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SOONER 138KV	535	-0.00036	-0.06773	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SOONER 345KV	537	-0.00036	-0.06773	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	229	-0.00038	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SPGCK1&2 13.200 345KV	60	-0.00033	-0.06776	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	SPGCK3&4 13.200 345KV	60	-0.00033	-0.06776	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	TINKER 55 138KV	60	-0.00032	-0.06777	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WEATHERFORD 34KV	12	-0.0043	-0.06782	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	WOODWARD 24KV	10	-0.0004	-0.06769	18
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00035	-0.06714	19
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.06401	19
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	HARPER 138KV	8.9L	-0.00567	-0.06242	19
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	JUDSON LARGE 115KV	97.50363	-0.0041	-0.06399	19
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.06386	19
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.06227	19
MIDW	KNOLL 115KV	33.78333	0.02227	WERE	SMOKEY HILLS 34KV	177	0.00139	-0.05912	20
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WEPL	CULTON 115KV	6	-0.0121	-0.06351	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.05498	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05514	22
MIDW	Thyons 115KV	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.05442	22
MIDW	Thyons 115KV	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05498	22
WERE	paawee 115KV	999	-0.0226	MIDW	KNOLL 115KV	42.10600	0.02227	-0.04487	26
MIDW	paawee 115KV	999	-0.0226	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.03174	37

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: NORTHVIEW - SUMMIT 115KV CKT 1
 Line Outage: 2007AG1AFSA111023209WP
 Flowgate: Starting 2009 12/1 - 4/1 Unit EOC
 Date Redispatch Needed: 2009 Winter Peak
 Season Flowgate Identified:

Reservation	Relief Amount	Aggregate Relief Amount							
1197077	1.1	1.1							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WEPL	A. M. MULLERGEREN GENERATOR 115KV	1.520508	0.00683	-0.34797	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	AES 161KV	320	-0.00151	-0.33963	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	EMDE	ASBURY 161KV	18	-0.0016	-0.33973	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	CENTENIAL WIND 34KV	30	-0.00357	-0.33757	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	CHANUTE 69KV	44.303	-0.00242	-0.33872	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.3334	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	CITY OF BURLINGTON 69KV	100.19	-0.00421	-0.33693	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	CITY OF ERIE 69KV	1.890033	-0.0042	-0.33872	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	CITY OF MULVANE 69KV	3.921	-0.00881	-0.33233	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00421	-0.33693	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	COGENTRIX 345KV	200	-0.00235	-0.33979	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	MIDW	COLBY 115KV	6.547997	0.01052	-0.35166	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	COMANCHE 138KV	145	-0.00278	-0.33936	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	COMANCHE 69KV	60	-0.00278	-0.33936	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	EASTMAN 138KV	355	-0.00131	-0.33983	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	EMDE	EUK RIVER 345KV	149.9962	-0.00607	-0.33507	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	ELLIS 69KV	12	-0.0043	-0.33972	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.01072	-0.33042	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	FITZLUUGH 161KV	103	-0.00135	-0.33979	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.33937	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	FPLWIND2 34KV	21	-0.00358	-0.33756	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.34482	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00604	-0.34718	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WEPL	HARPER 138KV	6.14	-0.00792	-0.33322	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	HAWTHORN 161KV	455	0.00282	-0.34396	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	HOLTON 115KV	6	-0.0052	-0.34369	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	HORSESHOE LAKE 138KV	239.0913	-0.0033	-0.33784	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.33791	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	IATAN 345KV	396	0.00526	-0.3464	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	JEFFREY ENERGY CENTER 230KV	170	0.00903	-0.35769	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01803	-0.35917	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WEPL	JUDSON LARGE 115KV	37.30145	0.00365	-0.34479	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	KNOXLEE 138KV	103	-0.00113	-0.33984	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.34145	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	MIPU	LAKE ROAD 161KV	5	0.00369	-0.34483	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	MIPU	LAKE ROAD 34KV	92	0.00369	-0.34483	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	EMDE	LARUSSELL 161KV	100	-0.00116	-0.33998	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.00287	-0.34401	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	LEBOCK 345KV	315	-0.0013	-0.33984	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	MARSHALL 161KV	15	0.00159	-0.34273	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	MCCLAIN 138KV	470	-0.00335	-0.33779	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACP	MONTROSE 161KV	174.3024	0.0019	-0.34304	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	MUSKOGEE 161KV	138	-0.00209	-0.33905	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	OKGE	MUSKOGEE 345KV	1548	-0.00217	-0.33997	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	KACY	NEARMAN 20KV	235	0.00303	-0.34417	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	NORTHEASTERN STATION 138KV	407	-0.00229	-0.33885	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	NORTHEASTERN STATION 345KV	625	-0.00226	-0.33888	3
WERE	ABILENE ENERGY CENTER 115KV	66	-0.34114	AEPW	OEO 345KV	269	-0.00227	-0	

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.34114	AEPW	WILKES 345KV	132.524	-0.00134	-0.3398	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.34114	AEPW	WILKES 345KV	213.0046	-0.00133	-0.33981	3
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.22739	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.34114	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.04677	-0.29437	4
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.23267	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	AES 161KV	320	-0.00151	-0.22246	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	ASBURY 161KV	191	-0.00174	-0.22257	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	CENTENAL WIND 34KV	30	-0.0357	-0.22024	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	CHANUTE 69KV	44.303	-0.00242	-0.22155	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.21623	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	CITY OF BURLINGTON 69KV	10019	-0.00421	-0.21976	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	CITY OF IOWA 69KV	1.690033	-0.00242	-0.22165	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	CITY OF MULVANE 69KV	3.921	-0.00881	-0.21516	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00421	-0.21976	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	COGENTRIX 345KV	200	-0.00235	-0.22162	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIDW	COLBY 115KV	6.547997	0.01052	-0.23449	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	COMANCHE 138KV	145	-0.00278	-0.22119	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	COMANCHE 69KV	60	-0.00278	-0.22119	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	EASTMAN 138KV	355	-0.00131	-0.22266	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	ELK RIVER 345KV	149.9962	-0.00607	-0.21719	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	ELLIS 69KV	6	-0.00153	-0.22244	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.01072	-0.21325	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	FITZHUGH 161KV	103	-0.00135	-0.22262	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.2222	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	FRLWIND2 34KV	21	-0.00358	-0.22039	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.22765	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00604	-0.23001	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WEPL	HARPER 138KV	6.14	-0.00792	-0.21605	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	HAWTHORN 161KV	455	0.00282	-0.22679	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	HOLTON 115KV	6	0.00522	-0.23147	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	HORSESHOE LAKE 138KV	239.0913	-0.0033	-0.22067	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.22074	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	IATAN 345KV	396	0.00526	-0.22923	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00904	-0.23301	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01803	-0.242	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WEPL	JUDSON LARGE 115KV	37.30145	0.00365	-0.22762	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	KNOXLEE 138KV	103	-0.0013	-0.22267	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.22428	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	LAKE ROAD 161KV	35	0.00368	-0.22766	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	LAKE ROAD 34KV	92	0.00368	-0.22766	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	LARUSSEL 161KV	100	-0.00116	-0.22281	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.00287	-0.22684	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	LEBROCK 345KV	315	-0.0013	-0.22267	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	MARSHALL 161KV	470	0.00357	-0.22566	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	MCCLAIN 138KV	470	-0.00335	-0.22062	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KACP	MONTROSE 161KV	174.3024	0.0019	-0.22587	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	MUSKOGEE 161KV	138	-0.00209	-0.22188	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	MUSKOGEE 345KV	1548	-0.00217	-0.22766	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KADY	NEARMAN 20KV	235	0.00303	-0.227	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	NORTHEASTERN STATION 138KV	407	-0.00229	-0.22168	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	NORTHEASTERN STATION 345KV	625	-0.00226	-0.22171	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	OEC 345KV	269	-0.00227	-0.2217	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.22028	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	PIRKAY GENERATION 138KV	223	-0.0013	-0.22267	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KADY	QUINDARO 161KV	94.46943	0.00302	-0.22699	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	KADY	QUINDARO 69KV	72	0.00301	-0.22698	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	REDDUD 345KV	150	-0.0033	-0.22067	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	RIVERTON 161KV	35	-0.00152	-0.22745	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	RIVERTON 69KV	45.17018	-0.00148	-0.22249	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	SEMINOLE 345KV	621.3406	-0.00313	-0.22084	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	SIBLEY 161KV	223.9575	0.00251	-0.22648	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.22656	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	SMITH COGEN 138KV	107	-0.0034	-0.22057	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	SOONER 138KV	535	-0.00441	-0.21956	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	OKGE	SOONER 345KV	537	-0.00449	-0.21948	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	MIPU	SOUTH HARPER 161KV	52.8042	0.0021	-0.22699	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	SOUTH SENECA 115KV	4	0.0161	-0.22566	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00282	-0.22115	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	SOUTHWESTERN STATION 138KV	10	-0.00282	-0.22115	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	EMDE	STATE LINE 161KV	299.7507	-0.00146	-0.22251	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	TECUMSEH ENERGY CENTER 115KV	16	0.0001	-0.23147	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.22127	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	WELSH 345KV	1044	-0.00143	-0.22254	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	WILKES 138KV	132.524	-0.00134	-0.22263	5
WERE	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	AEPW	WILKES 345KV	213.0046	-0.00133	-0.22264	5
MIDW	ELLINWOOD 115KV	2	-0.10471	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.20513	5
MIDW	CLAY CENTER JUNCTION 115KV	27.36	-0.22397	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.04677	-0.1772	6
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIDW	COLBY 115KV	6.547997	0.01052	-0.19377	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9732	0.00604	-0.19289	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	HOLTON 115KV	6	0.00522	-0.19447	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	IATAN 345KV	396	0.00526	-0.19451	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00904	-0.19329	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01803	-0.19728	8
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.12595	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.14995	8
MIDW	IOWA 115KV	999	-0.12222	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01803	-0.14025	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	AES 161KV	320	-0.00151	-0.12774	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	ASBURY 161KV	191	-0.00174	-0.12768	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	CENTENAL WIND 34KV	30	-0.0357	-0.12568	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CHANUTE 69KV	44.303	-0.00242	-0.12683	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.12151	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF BURLINGTON 69KV	10019	-0.00421	-0.12504	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF MULVANE 69KV	3.921	-0.00881	-0.12104	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00421	-0.12504	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COGENTRIX 345KV	200	-0.00235	-0.1269	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COMANCHE 138KV	145	-0.00278	-0.12847	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COMANCHE 69KV	60	-0.00278	-0.12847	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	EASTMAN 138KV	355	-0.00131	-0.12794	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	ELK RIVER 345KV	149.9962	-0.00607	-0.12318	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	ELLIS 69KV	6	-0.00153	-0.12772	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	FITZHUGH 161KV	103	-0.00135	-0.12719	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.12748	9
WERE	BPU - CITY OF MCPHERSON 115KV</								

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKJGE	SOONER 345KV	537	-0.00449	-0.12476	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPFU	SOUTH HARPER 161KV	52,804	0.0021	-0.13135	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SOUTH SENECA 115KV	4	0.0161	-0.13268	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00282	-0.12643	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 138KV	10	-0.00282	-0.12643	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	STATE LINE 161KV	299,7507	-0.00146	-0.12779	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.12938	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WEATHERFORD 34KV	145	-0.00278	-0.11944	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WELSH 345KV	1044	-0.00143	-0.12782	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 138KV	132,524	-0.00134	-0.12791	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 345KV	213,0046	-0.00133	-0.12792	9
MIDW	Yions 115KV	999	-0.12222	OKJGE	AES 161KV	330	-0.0151	-0.12107	9
MIDW	Yions 115KV	999	-0.12222	EMDE	ASBURY 161KV	191	-0.0014	-0.12082	9
MIDW	Yions 115KV	999	-0.12222	WERE	CHANUTE 69KV	44,303	-0.00242	-0.1198	9
MIDW	Yions 115KV	999	-0.12222	AEPW	COGENTRIX 345KV	200	-0.00235	-0.11987	9
MIDW	Yions 115KV	999	-0.12222	MIDW	COLBY 115KV	6,547,997	0.01052	-0.13274	9
MIDW	Yions 115KV	999	-0.12222	AEPW	COMANCHE 138KV	60	-0.00278	-0.11944	9
MIDW	Yions 115KV	999	-0.12222	AEPW	COMANCHE 69KV	60	-0.00278	-0.11944	9
MIDW	Yions 115KV	999	-0.12222	AEPW	EASTMAN 138KV	355	-0.00131	-0.12091	9
MIDW	Yions 115KV	999	-0.12222	AEPW	ELLIS 69KV	6	-0.00153	-0.12069	9
MIDW	Yions 115KV	999	-0.12222	AEPW	FITZHUGH 161KV	103	-0.00135	-0.12087	9
MIDW	Yions 115KV	999	-0.12222	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.12045	9
MIDW	Yions 115KV	999	-0.12222	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.1259	9
MIDW	Yions 115KV	999	-0.12222	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166,972	0.00604	-0.12826	9
MIDW	Yions 115KV	999	-0.12222	KACP	HAWTHORN 161KV	455	0.00282	-0.12504	9
MIDW	Yions 115KV	999	-0.12222	WERE	HOLTON 115KV	7	0.00282	-0.12744	9
MIDW	Yions 115KV	999	-0.12222	KACP	IATAN 345KV	396	0.00526	-0.12748	9
MIDW	Yions 115KV	999	-0.12222	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00904	-0.13126	9
MIDW	Yions 115KV	999	-0.12222	WEPL	JUDSON LARGE 115KV	37,30145	0.00365	-0.12587	9
MIDW	Yions 115KV	999	-0.12222	AEPW	KNOXLEE 138KV	10	-0.0013	-0.12092	9
MIDW	Yions 115KV	999	-0.12222	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.12253	9
MIDW	Yions 115KV	999	-0.12222	MIPFU	LAKE ROAD 161KV	35	0.00369	-0.12591	9
MIDW	Yions 115KV	999	-0.12222	MIPFU	LAKE ROAD 34KV	92	0.00369	-0.12591	9
MIDW	Yions 115KV	999	-0.12222	EMDE	LARUSSEL 161KV	100	-0.00116	-0.12106	9
MIDW	Yions 115KV	999	-0.12222	WERE	LAWRENCE ENERGY CENTER 230KV	220,6236	0.0287	-0.12505	9
MIDW	Yions 115KV	999	-0.12222	AEPW	LEBROCK 345KV	315	-0.0013	-0.12092	9
MIDW	Yions 115KV	999	-0.12222	KACP	MARSHALL 161KV	15	0.00159	-0.12381	9
MIDW	Yions 115KV	999	-0.12222	KACP	MONTROSE 161KV	174,3024	0.0019	-0.12412	9
MIDW	Yions 115KV	999	-0.12222	OKJGE	MUSKOGEE 161KV	138	-0.00298	-0.12013	9
MIDW	Yions 115KV	999	-0.12222	OKJGE	MUSKOGEE 345KV	1548	-0.00217	-0.12005	9
MIDW	Yions 115KV	999	-0.12222	KACY	NEARMAN 20KV	235	0.00303	-0.12525	9
MIDW	Yions 115KV	999	-0.12222	AEPW	NORTHEASTERN STATION 138KV	407	-0.00229	-0.11993	9
MIDW	Yions 115KV	999	-0.12222	AEPW	NORTHEASTERN STATION 345KV	625	-0.00228	-0.11996	9
MIDW	Yions 115KV	999	-0.12222	AEPW	OCE 345KV	299	-0.00227	-0.11985	9
MIDW	Yions 115KV	999	-0.12222	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.12133	9
MIDW	Yions 115KV	999	-0.12222	AEPW	PIRKEY GENERATION 138KV	223	-0.0013	-0.12092	9
MIDW	Yions 115KV	999	-0.12222	KACY	QUINDARO 161KV	94,46943	0.00302	-0.12524	9
MIDW	Yions 115KV	999	-0.12222	KACY	QUINDARO 69KV	73	0.00301	-0.12523	9
MIDW	Yions 115KV	999	-0.12222	EMDE	RIVERTON 161KV	35	-0.00152	-0.12027	9
MIDW	Yions 115KV	999	-0.12222	EMDE	RIVERTON 69KV	45,17018	-0.00148	-0.12074	9
MIDW	Yions 115KV	999	-0.12222	MIPFU	SIBLEY 161KV	223,9575	0.00251	-0.12473	9
MIDW	Yions 115KV	999	-0.12222	MIPFU	SIBLEY 69KV	45,99999	0.00258	-0.1248	9
MIDW	Yions 115KV	999	-0.12222	MIPFER	SOUTH HARPER 161KV	52,804	0.0021	-0.13135	9
MIDW	Yions 115KV	999	-0.12222	WERE	SOUTH SENECA 115KV	4	0.00161	-0.12383	9
MIDW	Yions 115KV	999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00282	-0.1194	9
MIDW	Yions 115KV	999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV	10	-0.00282	-0.1194	9
MIDW	Yions 115KV	999	-0.12222	EMDE	STATE LINE 161KV	299,7507	-0.00146	-0.12767	9
MIDW	Yions 115KV	999	-0.12222	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.12938	9
MIDW	Yions 115KV	999	-0.12222	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.11952	9
MIDW	Yions 115KV	999	-0.12222	AEPW	WELSH 345KV	1044	-0.00143	-0.12079	9
MIDW	Yions 115KV	999	-0.12222	AEPW	WILKES 138KV	132,524	-0.00134	-0.12088	9
MIDW	Yions 115KV	999	-0.12222	AEPW	WILKES 345KV	213,0046	-0.00133	-0.12089	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	EVANS ENERGY CENTER 138KV	350,3462	-0.01072	-0.11853	10
WERE	CITY OF AUGUSTA 69KV	24.89	-0.00774	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11116	10
WERE	CITY OF MULVANE 69KV	11,869	-0.00881	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11223	10
WERE	CITY OF WINFIELD 69KV	40	-0.00706	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11048	10
WERE	EVANS ENERGY CENTER 138KV	412,6538	-0.01072	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11048	10
WERE	GETTY 69KV	35	-0.00747	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11089	10
WERE	GILL ENERGY CENTER 138KV	285	-0.00941	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11283	10
WERE	GILL ENERGY CENTER 69KV	118	-0.00937	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11279	10
WEPL	HARPER 138KV	11,071	-0.00793	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11244	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	CENTENAL WIND 34KV	30	-0.00357	-0.11865	10
MIDW	Yions 115KV	999	-0.12222	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.11448	10
MIDW	Yions 115KV	999	-0.12222	WERE	CITY OF BURLINGTON 69KV	10019	-0.00421	-0.11801	10
MIDW	Yions 115KV	999	-0.12222	WERE	CITY OF MULVANE 69KV	3,921	-0.00881	-0.11341	10
MIDW	Yions 115KV	999	-0.12222	WERE	COFFEY COUNTY WIND 2 SHARPE 69KV	13,81	-0.00222	-0.11801	10
MIDW	Yions 115KV	999	-0.12222	EMDE	ELK RIVER 345KV	149,9962	-0.00607	-0.11615	10
MIDW	Yions 115KV	999	-0.12222	WERE	EVANS ENERGY CENTER 138KV	350,3462	-0.01072	-0.1115	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	FPLWIND 234KV	21	-0.00358	-0.11864	10
MIDW	Yions 115KV	999	-0.12222	WERE	HARPER 138KV	6	-0.00782	-0.11543	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	HORSESHOE LAKE 138KV	239,0913	-0.0033	-0.11892	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.11899	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	MCLAIN 138KV	470	-0.00335	-0.11887	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	REBUJUD 345KV	150	-0.0033	-0.11892	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	SEMINOLE 345KV	621,3406	-0.00313	-0.11905	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	SMITH COGEN 138KV	107	-0.0034	-0.11882	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	SOONER 138KV	535	-0.00441	-0.11781	10
MIDW	Yions 115KV	999	-0.12222	OKJGE	SOONER 345KV	537	-0.00449	-0.11773	10
MIDW	Yions 115KV	999	-0.00884	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11326	10
WERE	WACO 138KV	30	-0.00954	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.11296	10
MIPU	ARIES 161KV	595	0.00215	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10127	11
AEPW	ARSENAL HILL 69KV	110	-0.00121	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10463	11
EMDE	ASBURY 161KV	20	-0.0014	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10482	11
KACP	BULL CREEK 161KV	413	0.00272	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10207	11
WERE	CHANUTE 69KV	36,297	-0.00242	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10584	11
WEPL	CIMARRON RIVER 115KV	72	0.0047	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.09872	11
WERE	CITY OF BURLINGTON 69KV	59.5	-0.00421	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10763	11
WERE	CITY OF ERIE 69KV	24,644	-0.00242	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10584	11
WERE	CITY OF FREDONIA 69KV	10,294	-0.00295	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10637	11
WERE	CITY OF GIRARD 69KV	10.7	-0.00176	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10518	11
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00196	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10146	11
WERE	CITY OF IOLA 69KV	42,878	-0.00196	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10542	11
WERE	CITY OF NEODESHA 69KV	6,738	-0.00234	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10226	11
WEPL	CLIFTON 115KV	70	-0.00326	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10668	11
AEPW	COGENTRIX 345KV	694	-0.00235	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10577	11
AEPW	COMANCHE 138KV	15	-0.0027						

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

KACP	NORTHEAST 13KV	277	0.00291	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10051	11
KACP	NORTHEAST 161KV	277	0.00291	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10051	11
AEPW	NORTHEASTERN STATION 138KV	101	-0.00229	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10051	11
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00226	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10568	11
AEPW	OEC 345KV	1878.03	-0.00227	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10569	11
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10187	11
AEPW	PIRKEY GENERATION 138KV	65	-0.00113	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10472	11
KACY	QUINDARO 161KV	142.53048	0.00251	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10104	11
KACY	QUINDARO 69KV	105	0.00301	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10041	11
MIPU	RALPH GREEN 69KV	73.7	0.00209	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10133	11
OKGE	REDBUD 345KV	1050	-0.0033	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10672	11
MIDW	161KV 118KV	999	-0.00205	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10565	11
EMDE	RIVERTON 161KV	295	-0.00152	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10494	11
EMDE	RIVERTON 69KV	22.82962	-0.00148	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.1049	11
OKGE	SEMINOLE 138KV	505	-0.00307	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10649	11
OKGE	SEMINOLE 345KV	408.2595	-0.00313	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10655	11
MIPU	SIBLEY 161KV	26.04248	0.00251	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10391	11
OKGE	SOONER 138KV	5	-0.00441	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10783	11
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00448	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.1079	11
MIPU	SOUTH HARPER 161KV	262.1958	0.0021	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10132	11
WERE	SOUTH SENECA 115KV	12.7	0.00161	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10181	11
AEPW	SOUTHWESTERN STATION 138KV	322	-0.00282	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10529	11
AEPW	SOUTHWESTERN STATION 138KV	1117	-0.00282	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10624	11
OKGE	SPGCK1&2 13.200 345KV	168	-0.00371	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10713	11
OKGE	SPGCK3&4 13.200 345KV	168	-0.00371	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10713	11
EMDE	STATE LINE 161KV	306.2493	-0.00146	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10148	11
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00013	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10329	11
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00027	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10369	11
OKGE	TINKER SG 138KV	62	-0.00329	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10671	11
AEPW	TOKTITOWN 161KV	346.12	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10522	11
AEPW	TULSA POWER STATION 138KV	301	-0.00234	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10576	11
AEPW	TULSA POWER STATION 69KV	80	-0.00234	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10576	11
MIPU	TWA 161KV	32.1	0.00323	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10019	11
AEPW	WEELETKA 138KV	162	-0.00249	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10591	11
AEPW	WILKES 138KV	355.476	-0.00134	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10476	11
AEPW	WILKES 345KV	97.99541	-0.00133	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.10475	11
MIDW	A. M. MULLERGREEN GENERATOR 115KV	61.47949	0.00683	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.09659	12
WERE	COLBY 115KV	18.452	0.01052	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.0929	12
WERE	HOLTON 159KV	13.8	0.00522	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.09862	12
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00904	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.09438	12
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01803	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.08539	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.04677	-0.08248	14
MIDW	YONIS 115KV	999	-0.12222	WERE	HUTCHINSON ENERGY CENTER 115KV	85	-0.04677	-0.07545	15
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	JEFFREY ENERGY CENTER 345KV	85	0.01803	-0.05648	17
MIDW	KNOLL 115KV	75.924	0.03763	WERE	SMOKEY HILLS 34KV	177	0.10342	-0.06579	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01803	-0.06456	18
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00904	-0.05581	20
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04653	KACP	JEFFREY ENERGY CENTER 230KV	470	0.00904	-0.05581	20
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.972	0.00604	-0.05281	21
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.05045	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	IATAN 345KV	396	0.00526	-0.05203	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WEPL	JUDSON LARGE 115KV	37.30145	0.00365	-0.05042	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	MIPU	LAKE ROAD 161KV	35	0.00369	-0.05046	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	MIPU	LAKE ROAD 34KV	92	0.00369	-0.05046	22
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.972	0.00604	-0.05257	22
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACP	IATAN 345KV	396	0.00526	-0.05179	22
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	HAWTHORN 161KV	355	0.00282	-0.04959	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.00282	-0.04959	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	MARSHALL 161KV	15	0.00159	-0.04836	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	MONTROSE 161KV	174.3024	0.0019	-0.04867	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACY	NEARMAN 20KV	235	0.00303	-0.04987	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	QUINDARO 161KV	94.46943	0.00302	-0.04959	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACY	QUINDARO 69KV	72	0.00301	-0.04978	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	MIPU	SIBLEY 161KV	223.9575	0.00251	-0.04928	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04935	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	MIPU	SOUTH HARPER 161KV	52.8042	0.0021	-0.04887	23
WERE	HUTCHINSON ENERGY CENTER 115KV	52	-0.04653	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.05071	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACP	HAWTHORN 161KV	465	0.00282	-0.04935	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WEPL	JUDSON LARGE 115KV	37.30145	0.00365	-0.05018	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	MIPU	LAKE ROAD 161KV	35	0.00369	-0.05022	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	MIPU	LAKE ROAD 34KV	92	0.00369	-0.05022	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	LAWRENCE ENERGY CENTER 230KV	220.6236	0.00282	-0.0494	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACP	MONTROSE 161KV	174.3024	0.0019	-0.04843	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACY	NEARMAN 20KV	235	0.00303	-0.04956	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACY	QUINDARO 161KV	94.46943	0.00302	-0.04955	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACY	QUINDARO 69KV	72	0.00301	-0.04954	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	MIPU	SIBLEY 161KV	223.9575	0.00251	-0.04904	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04911	23
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	MIPU	SOUTH HARPER 161KV	52.8042	0.0021	-0.04863	23
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	KACP	LACYGNE UNIT 345KV	958	0.00303	-0.04708	24
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.04689	24
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	KACP	MARSHALL 161KV	15	0.00159	-0.04812	24
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.04686	24
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	OKGE	AES 161KV	320	0.0015	-0.04528	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	ASBURY 161KV	191	-0.0014	-0.04537	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	EASTMAN 138KV	355	-0.00131	-0.04546	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	FITZHUGH 161KV	103	-0.00135	-0.04542	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.04545	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	KNOXLEE 138KV	103	-0.0013	-0.04547	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	LARUSSEL 161KV	100	-0.00116	-0.04561	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	LEBROCK 345KV	315	-0.0013	-0.04547	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	OKGE	MUSKOGEE 161KV	138	-0.00209	-0.04468	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	OKGE	MUSKOGEE 345KV	407	-0.00217	-0.04446	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	NORTHEASTERN STATION 138KV	407	-0.00229	-0.04448	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	NORTHEASTERN STATION 345KV	625	-0.00226	-0.04451	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	OEC 345KV	269	-0.00227	-0.0445	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.04588	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	PIRKEY GENERATION 138KV	223	-0.0013	-0.04547	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	RIVERTON 161KV	35	-0.00152	-0.04525	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	RIVERTON 69KV	45.17018	-0.00148	-0.04529	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	STATE LINE 161KV	299.7507	-0.00146	-0.04531	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	WELSH 345KV	1044	0.0143	-0.04534	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	WILKES 138KV	132.524	-0.00134	-0.04543	25
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	AEPW	WILKES 345KV	213.0046	-0.00133	-0.04544	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	AES 161KV	320	-0.00151	-0.04502	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	EMDE	ASBURY 161KV	191	-0.0014	-0.04513	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	EASTMAN 138KV	355	-0.00131	-0.04522	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	FITZHUGH 161KV	103	-0.00135	-0.04518	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.04476	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	KNOXLEE 138KV	103	-0.0013	-0.04523	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	LARUSSEL 161KV	100	-0.00116	-0.04537	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	LEBROCK 345KV	315	-0.0013	-0.04523	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.04564	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	PIRKEY GENERATION 138KV	223	-0.0013	-0.04523	25
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	EMDE	RIVERTON 161KV	35	-0.		

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	COGENTRIX 345KV	200	-0.00236	-0.04418	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	COMANCHE 138KV	145	-0.00278	-0.04375	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	COMANCHE 69KV	80	-0.00278	-0.04375	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	FPLW2D 34KV	21	-0.00558	-0.04295	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	HORSESHOE LAKE 138KV	239.0913	-0.0033	-0.04323	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.0433	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	MCCLAIN 138KV	470	-0.00335	-0.04318	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	MUSKOGEE 161KV	138	-0.00209	-0.04444	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	MUSKOGEE 345KV	1548	-0.00217	-0.04436	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	NORTHEASTERN STATION 138KV	407	-0.00229	-0.04424	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	NORTHEASTERN STATION 345KV	625	-0.00226	-0.04427	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	DEC 345KV	269	-0.00227	-0.04426	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	REDBUD 345KV	150	-0.0033	-0.04323	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	SEMINOLE 345KV	621.3406	-0.00313	-0.0434	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	SMITH COGEN 138KV	107	-0.0034	-0.04313	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00282	-0.04371	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	SOUTHWESTERN STATION 338KV	10	-0.00282	-0.04371	26
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.04383	26
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	CITY OF BURLINGTON 69KV	10019	-0.00421	-0.04256	27
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00421	-0.04256	27
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	OKGE	SOONER 138KV	535	-0.00441	-0.04212	27
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	OKGE	SOONER 345KV	537	-0.00441	-0.04212	27
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	CITY OF BURLINGTON 69KV	10019	-0.00421	-0.04232	27
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	-0.00421	-0.04232	27
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	SOONER 138KV	535	-0.00441	-0.04212	27
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	OKGE	SOONER 345KV	537	-0.00441	-0.04212	27
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	EMDE	ELK RIVER 345KV	149.9962	-0.00607	-0.0407	28
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	EMDE	ELK RIVER 345KV	149.9962	-0.00607	-0.04046	28
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.03903	29
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00774	-0.03979	29
WERE	HUTCHINSON ENERGY CENTER 115KV	399	-0.04677	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.01072	-0.03605	31
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04653	WERE	EVANS ENERGY CENTER 138KV	350.3462	-0.01072	-0.03681	32

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: SPP-WERE-73
 Flowgate: 2007AG1AFSA1113283209SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.1	1.6
1222943	0.5	1.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01058	-0.36657	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	CITY 115KV	12.99636	0.01133	-0.35774	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	168.9778	0.00851	-0.3645	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.37023	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	MIDW	KNOLL 115KV	68.49275	0.03722	-0.39321	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	SMOKEY HILLS 34KV	177	0.09606	-0.45204	4
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	AES 161KV	370	-0.00186	-0.35481	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	ASBURY 161KV	191	-0.00112	-0.35487	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	BULL CREEK 161KV	308	0.00169	-0.35768	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	CENTRAL WIND 34KV	16	-0.00231	-0.35368	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CHANUTE 69KV	56.037	-0.00189	-0.3541	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	CMARRON RIVER 115KV	17.81384	0.0068	-0.36279	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.35022	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.35273	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF ERIE 69KV	2	-0.00189	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF FREDONIA 69KV	3.19	-0.00226	-0.35373	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF GIRARD 69KV	3.6	-0.0014	-0.35459	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.35717	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF MULVANE 69KV	8.29	-0.00644	-0.34955	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.35085	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	CLIFTON 115KV	85	-0.00567	-0.35032	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.35273	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	COGENTRIX 345KV	200	-0.00167	-0.35432	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	COMANCHE 138KV	145	-0.00168	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	COMANCHE 69KV	80	-0.00168	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	EASTMAN 138KV	365	-0.00089	-0.3551	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	ELK RIVER 345KV	149.9969	-0.00452	-0.35147	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	ELLIS 69KV	6.6	-0.00109	-0.35449	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.35524	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	EVANS ENERGY CENTER 138KV	535	-0.00783	-0.34816	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	FITZHUUGH 161KV	109	-0.00096	-0.35503	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.35468	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	FPLW2D 34KV	8	-0.00231	-0.35368	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	GILL ENERGY CENTER 138KV	158	-0.00678	-0.34921	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.3492	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.36234	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	GREENWOOD 161KV	146.4246	0.00123	-0.35722	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	HARRIS 138KV	8.600001	-0.00446	-0.35139	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	HAWTHORN 161KV	762	0.00177	-0.35776	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	HOLTON 115KV	12.2	0.0028	-0.35879	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.35374	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.35379	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	HUTCHINSON ENERGY CENTER 115KV	176	-0.00334	-0.35262	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	IATAN 345KV	396	0.0037	-0.35969	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.36127	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	JUDSON LARGE 115KV	97.13652	0.00632	-0.36231	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	KNOWLES 284	284	-0.00085	-0.35551	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	LACYONE UNIT 345KV	958	-0.00009	-0.3559	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	LAKE ROAD 161KV	35	0.00255	-0.35854	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	LAKE ROAD 34KV	92	0.00255	-0.35854	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	LARUSSEL 161KV	90	-0.00093	-0.35906	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.35669	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	LEBROCK 345KV	315	-0.00089	-0.3551	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	LIEBERMAN 138KV	96.85791	-0.00084	-0.35515	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	MARSHALL 161KV	15	0.00099	-0.35698	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MCCLAIN 138KV	470	-0.00226	-0.35373	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	MONTROSE 161KV	359.8741	0.00198	-0.35707	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSKOGEE 161KV	168	-0.00149	-0.3545	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.35445	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSTANG 138KV	351	-0.00232	-0.35367	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NARROWS 69KV	22	-0.00106	-0.35493	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	NEARMAN 161KV	77	0.00188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	NEARMAN 20KV	235	0.00188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NORTHEASTERN STATION 138KV	498	-0.00167	-0.35432	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NORTHEASTERN STATION 345KV	625	-0.00168	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	OZARK BEACH 161KV	269	-0.00163	-0.35436	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	PAOLA COMBUSTION TURBINES 161KV	16	-0.00071	-0.35528	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.35678	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	PIREY GENERATION 138KV	213	-0.00086	-0.35551	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	QUINDARO 161KV	117.9658	0.00188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	QUINDARO 69KV	118.2896	0.00188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	REDBUD 345KV	150	-0.00227	-0.35372	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	RIVERTON 161KV	156.1533	-0.00118	-0.35481	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	RIVERTON 69KV	43.1244	-0.00118	-0.35481	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SEMINOLE				

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

WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SPGCK1&2 13.200 345KV	60	-0.00254	-0.35345	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	STATE LINE 161KV	532	-0.00114	-0.35485	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.35266	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	TINKER SG 138KV	60	-0.00223	-0.35376	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.35446	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WELSH 345KV	1044	-0.00097	-0.35502	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WILKES 138KV	417.543	-0.00087	-0.35207	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WILKES 345KV	308	-0.0009	-0.35509	5
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	WOODWARD 24KV	10	-0.00231	-0.35368	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.33112	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	KNOLL 115KV	68.49275	0.03722	-0.27229	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.01058	-0.24565	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	AES 161KV	320	-0.00108	-0.23390	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ASBURY 161KV	191	-0.00112	-0.23395	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	BULL CREEK 161KV	308	0.01069	-0.23676	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	CENTENIAL WIND 34KV	16	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CHANUTE 69KV	56.037	-0.00189	-0.23318	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CIMARRON RIVER 115KV	17.81384	0.0068	-0.24187	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.22923	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF FREDONIA 69KV	3.19	-0.00226	-0.23281	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF GIRARD 69KV	3.8	-0.0014	-0.23267	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.23625	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF MULVANE 69KV	8.29	-0.00644	-0.22863	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF WINFIELD 69KV	12.89001	0.01135	-0.23063	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CLIFTON 115KV	65	-0.00567	-0.2294	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COGENTRIX 345KV	200	-0.00167	-0.2334	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	COLBY 115KV	12.99695	0.01135	-0.24642	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COMANCHE 138KV	145	-0.00168	-0.23338	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COMANCHE 69KV	60	-0.00169	-0.23338	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	EASTMAN 138KV	355	-0.00089	-0.23418	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ELK RIVER 345KV	149.9899	-0.0452	-0.23055	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	ELLIS 69KV	1.6	-0.00109	-0.23368	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.23732	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EVANS ENERGY CENTER 138KV	535	-0.00783	-0.22724	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	FITZHUGH 161KV	109	-0.00096	-0.23411	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.23378	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	FPLWIND2 34KV	8	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.22829	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.22828	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.0035	-0.24142	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	GRAY PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9718	0.00851	-0.24368	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	GREENWOOD 161KV	146.4246	0.00123	-0.2363	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	HARPER 138KV	8.600001	-0.0046	-0.23047	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	HAWTHORN 161KV	762	0.00177	-0.23684	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HOLTON 115KV	12.2	0.0028	-0.24142	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.23282	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.23287	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	IATAN 345KV	396	0.0037	-0.23877	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.24035	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.24031	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	JUDSON LARGE 115KV	97.13652	0.00632	-0.24139	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	KNOXLEE 138KV	284	-0.00089	-0.23418	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.23498	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	LAKE ROAD 161KV	35	0.00255	-0.23762	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	LAKE ROAD 34KV	94	0.00255	-0.23762	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	LARUSSEL 161KV	100	-0.00093	-0.23414	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.23577	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	LEBROCK 345KV	315	-0.00089	-0.23711	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	LIEBERMAN 138KV	96.85791	-0.00089	-0.23423	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	MARSHALL 161KV	15	0.00099	-0.23606	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	MCCLAIN 138KV	470	-0.00226	-0.23281	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	MONTROSE 161KV	359.8741	0.00108	-0.23615	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.23358	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	MUSKOGEE 345KV	1548	-0.0019	-0.23363	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	MUSTANG 138KV	351	-0.00232	-0.23275	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	MUSTANG 69KV	90	-0.00232	-0.23275	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	NARROWS 69KV	22	-0.00106	-0.23401	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	NEARMAN 161KV	77	0.00168	-0.23585	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	NEARMAN 20KV	235	0.00188	-0.23695	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.2334	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.23341	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	OREG 345KV	269	-0.00163	-0.23344	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	OZARK BEACH 161KV	16	-0.00217	-0.23348	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.23586	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	PIRQUEE GENERATION 138KV	243	-0.00089	-0.23418	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	QUINDARO 161KV	117.9858	0.00188	-0.23695	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	QUINDARO 69KV	116.2230	0.00188	-0.23695	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	REDDUB 345KV	150	-0.00227	-0.2328	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	RIVERTON 161KV	156.1533	-0.00118	-0.23389	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	RIVERTON 69KV	43.21434	-0.00115	-0.23392	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.23299	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.23295	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	SIBLEY 161KV	230.9578	0.00154	-0.23661	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.23667	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.23277	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SOONER 138KV	135	-0.00311	-0.23196	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SOONER 345KV	537	-0.00315	-0.23192	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.23195	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFU	SOUTH HARPER 161KV	315	0.00112	-0.23619	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	SOUTH SENECA 115KV	8.5	-0.00033	-0.23474	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	87	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SPGCK1&2 13.200 345KV	60	-0.00254	-0.35263	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	STATE LINE 161KV	532	-0.00114	-0.35383	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.35266	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	TINKER SG 138KV	60	-0.00223	-0.35384	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.35339	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.35354	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WELSH 345KV	1044	-0.00097	-0.35409	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 138KV	417.543	-0.00087	-0.35215	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 345KV	308	-0.0009	-0.35317	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	WOODWARD 24KV	10	-0.00231	-0.35276	7
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.19467	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HUTCHINSON ENERGY CENTER 115KV	175	-0.03347	-0.2016	8
MIDW	tyons 115kv	999	-0.09403	MIDW	KNOLL 115KV	177	0.09605	-0.19038	9
MIDW	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIDW	KNOLL 115KV	68.49275	0.03722	-0.13584	12
MIDW	tyons 115kv	999	-0.09403	MIDW	KNOLL 115KV	68.49275	0.03722	-0.13125	12
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.12952	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.12934	13
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.23507	-0.12092	14
WERE	BPU - CITY OF MCPHERSON								

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 161KV	117.9858	0.00188	-0.1005	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 69KV	116.2896	0.00188	-0.1005	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SIBLEY 161KV	230.9578	0.00198	-0.1016	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.10022	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.09974	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00577	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10182	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00326	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09931	16
WERE	CITY OF MILWAUKEE 69KV	7.6	-0.00444	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10249	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00514	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10119	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.00783	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10388	16
WERE	GETTY 69KV	35	-0.00562	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10167	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00678	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10283	16
WERE	GILL ENERGY CENTER 69KV	8	-0.00679	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10284	16
WEPL	HARPER 138KV	8.609999	-0.0046	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10065	16
MIDW	YONS 115KV	999	-0.09403	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01058	-0.10461	16
MIDW	YONS 115KV	999	-0.09403	WEPL	CMARRON RIVER 115KV	17.81394	0.0068	-0.10083	16
MIDW	YONS 115KV	999	-0.09403	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.10338	16
MIDW	YONS 115KV	999	-0.09403	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00851	-0.10254	16
MIDW	YONS 115KV	999	-0.09403	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.09931	16
MIDW	YONS 115KV	999	-0.09403	WEPL	JUDSON LARGE 115KV	97.13652	0.00632	-0.10035	16
MIDW	YONS 115KV	999	-0.00369	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09974	16
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00312	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09917	16
WERE	WACO 138KV	30	-0.00689	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.10294	16
MIPU	ARIES 161KV	595	0.0012	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09485	17
AEPW	ARSENAL HILL 69KV	110	-0.00082	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09887	17
EMDE	ASBURY 161KV	20	-0.00112	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09917	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	AES 161KV	320	-0.00108	-0.09754	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	ASBURY 161KV	191	-0.00112	-0.0975	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	CENTRAL WIND 34KV	16	-0.00231	-0.09831	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	CHANUTE 69KV	56.037	0.00189	-0.09873	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00328	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.09348	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COGENTRIX 345KV	200	-0.00167	-0.09695	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COMANCHE 138KV	145	-0.00168	-0.09694	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COMANCHE 69KV	60	-0.00169	-0.09693	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	EASTMAN 138KV	355	-0.00089	-0.09733	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	ELK RIVER 345KV	149.9999	-0.00452	-0.0941	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	ELLIS 69KV	6.6	-0.00188	-0.09763	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	FITZHIGH 161KV	109	-0.00096	-0.09766	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.09731	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	FPLWIND 234KV	8	-0.00231	-0.09631	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WEPL	HARPER 138KV	8.800001	-0.0046	-0.09402	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	HORSESHOE LAKE 138KV	706	-0.0022	-0.09457	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.09642	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	KNOXLEE 138KV	284	-0.00089	-0.09773	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.09853	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	LARUSSEL 161KV	106	-0.00097	-0.09769	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	LEBROCK 345KV	315	-0.00089	-0.09773	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	LIEBERMAN 138KV	96.85791	-0.00084	-0.09778	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MCLAIN 138KV	470	-0.00226	-0.09636	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.09713	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSKOGEE 345KV	158	-0.0015	-0.09708	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSTANG 138KV	351	-0.00232	-0.09633	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	MUSTANG 69KV	90	-0.00232	-0.09633	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	NARROWS 69KV	22	-0.00106	-0.09756	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.09695	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	NORTHERN STATION 345KV	106	-0.00168	-0.09694	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	DEC 345KV	269	-0.00163	-0.09699	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.09791	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	PIRKEY GENERATION 138KV	243	-0.00089	-0.09773	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	REDRUB 345KV	150	-0.0022	-0.09625	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	RIVERTON 161KV	156.1533	-0.00118	-0.09744	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	RIVERTON 69KV	43.21434	-0.00115	-0.09747	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SEMINOLE 138KV	463.8899	-0.00208	-0.09654	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SEMINOLE 69KV	1019	-0.00212	-0.0965	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SMITH COGEN 138KV	101	-0.0022	-0.09643	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SOONER 138KV	535	-0.00311	-0.09551	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SOONER 345KV	537	-0.00315	-0.09547	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.0955	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	SOUTH SENECA 115KV	8.5	-0.00335	-0.09569	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	SOUTHWESTERN STATION 138KV	25	-0.00172	-0.09689	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.09689	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	SPGCK182 13.200 345KV	60	-0.00254	-0.09608	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	STATE LINE 161KV	532	-0.00114	-0.09748	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.09618	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	TINKER SG 138KV	60	-0.00223	-0.09639	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.09694	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WATERFORD 34KV	12	-0.00153	-0.09709	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WELSH 345KV	1079	-0.00097	-0.09766	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WILKES 138KV	417.543	-0.00052	-0.0977	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WILKES 345KV	308	-0.0009	-0.09772	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	WOODWARD 24KV	10	-0.00231	-0.09631	17
KACP	BULL CREEK 161KV	105	0.00189	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09436	17
WERE	CHANUTE 69KV	24.563	-0.00189	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09794	17
WERE	CITY OF ERIE 69KV	24.53	-0.00189	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09794	17
WERE	CITY OF FREDONIA 69KV	7.104	-0.00226	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09831	17
WERE	CITY OF GIRARD 69KV	7.1	-0.00414	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09745	17
WERE	CITY OF IOLA 69KV	42.878	-0.0016	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09765	17
WERE	CITY OF NEEDSHEA 69KV	6.738	-0.00217	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09822	17
AEPW	COGENTRIX 345KV	694	-0.00167	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09772	17
AEPW	COMANCHE 138KV	15	-0.00168	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09773	17
AEPW	EASTMAN 138KV	130.01	-0.00089	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09694	17
AEPW	ELLIS 69KV	19.4	-0.00188	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09714	17
AEPW	EMPORIA ENERGY CENTER 345KV	321	0.00225	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09338	17
AEPW	FITZHIGH 161KV	17	-0.00096	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09701	17
AEPW	FLINT CREEK 161KV	28	-0.00131	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09736	17
AEPW	FULTON 115KV	32.98989	-0.00078	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09663	17
KACP	GARDNER 161KV	11	0.0017	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09435	17
MIPU	GREENWOOD 161KV	103.3754	0.00123	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09482	17
KACP	HAWTHORN 161KV	39	0.00177	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09428	17
OKGE	HORSESHOE LAKE 138KV	64	-0.00225	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.0983	17
KACY	XAVI 69KV	242	0.00187	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09418	17
AEPW	KIOWA 345KV	1348	-0.00175	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09978	17
AEPW	KNOXLEE 138KV	139	-0.00089	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09694	17
MIPU	LAKE ROAD 161KV	91	0.00255	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.0935	17
EMDE	LARUSSEL 161KV	186	-0.00093	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09698	17
WERE	LAWRENCE ENERGY CENTER 230KV	36.50748	0.0007	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09535	17
AEPW	LEBROCK 345KV	382	-0.00089	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09694	17
AEPW	LIEBERMAN 138KV	131.1421	-0.00084	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09689	17
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00092	WERE	SNOKEY HILLS 34KV	177	0.09605	-0.09697	17
MIDW	YONS 115KV	999	-0.09403	KACP	BULL CREEK 161KV	308	0.00189	-0.09672	17
MIDW	YONS 115KV	999	-0.09403	WERE	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.09521	17
MIDW	YONS 115KV	999	-0.09403						

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

OKGE	MUSKOGEE 345KV	17	-0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09759	17
OKGE	MUSTANG 138KV	49	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09837	17
OKGE	MUSTANG 69KV	15.99999	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09837	17
MIPU	NEVADA 69KV	20.3	0.00056	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09549	17
KACP	NORTHEAST 13KV	257	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	17
KACP	NORTHEAST 161KV	277	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	17
AEWP	NORTHEASTERN STATION 138KV	19.99997	-0.00167	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09722	17
AEWP	NORTHEASTERN STATION 345KV	19.99997	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09722	17
AEWP	QEC 345KV	1878.03	-0.00163	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09768	17
KACP	PAOLA COMBUSTION TURBINES 161KV	12.0542	0.00079	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09526	17
AEWP	PIRKEY GENERATION 138KV	45	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	17
KACY	QUINDARO 161KV	119.0142	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	17
KACY	QUINDARO 69KV	60.71442	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	17
MIPU	RALPH GREEN 69KV	73.7	0.00117	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09488	17
OKGE	REDBUD 345KV	1050	-0.00227	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09832	17
OKGE	rice 115KV	989	-0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09788	17
EMDE	RIVERTON 161KV	128.8487	-0.00118	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09723	17
MIPU	RIVERTON 69KV	24.78566	-0.00115	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0972	17
OKGE	SEMINOLE 138KV	41.51312	-0.00208	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09813	17
OKGE	SEMINOLE 345KV	10.60004	-0.00212	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09817	17
MIPU	SIBLEY 161KV	19.04221	0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09451	17
WERE	SOUTH SENECA 115KV	6.2	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09578	17
AEWP	SOUTHWESTERN STATION 138KV	229	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
AEWP	SOUTHWESTERN STATION 138KV	225	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
OKGE	SPGCK1&2 13.200 345KV	18	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	17
OKGE	SPGCK3&4 13.200 345KV	168	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	17
EMDE	STATE LINE 161KV	74	-0.00114	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09719	17
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00243	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09848	17
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0029	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09895	17
AEWP	TOMTOWN 161KV	346.13	-0.00132	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09737	17
WERE	TULSA POWER STATION 69KV	80	-0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09753	17
MIPU	TWA 161KV	32.1	0.00209	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09396	17
AEWP	WEELETKA 138KV	162	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
AEWP	WILKES 138KV	45.46997	-0.00092	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09697	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.05285	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF MULVANE 69KV	8.29	-0.00644	-0.05218	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CLIFTON 115KV	65	-0.00567	-0.05295	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	EVANS ENERGY CENTER 138KV	535	-0.00783	-0.09079	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.09164	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.09183	18
WEPL	CMARRON RIVER 115KV	29.18616	0.0068	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.08925	18
WERE	HOLTON 115KV	7.6	0.00228	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09325	18
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09077	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	AES 161KV	320	-0.00168	-0.05285	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	ASBURY 161KV	191	-0.00112	-0.05291	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	CENTENAL WIND 34KV	16	-0.00231	-0.09172	18
MIDW	Yorns 115KV	999	-0.09403	WERE	CHANUTE 69KV	56.037	-0.00189	-0.09214	18
MIDW	Yorns 115KV	999	-0.09403	WERE	CITY OF BURLINGTON 69KV	10.888	-0.0025	-0.05277	18
MIDW	Yorns 115KV	999	-0.09403	WERE	CITY OF WINFIELD 69KV	12.60001	-0.00514	-0.05885	18
MIDW	Yorns 115KV	999	-0.09403	WEPL	CLIFTON 115KV	65	-0.00567	-0.08836	18
MIDW	Yorns 115KV	999	-0.09403	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.09077	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	COGENTRIX 345KV	200	-0.00167	-0.09236	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	COMANCHE 138KV	145	-0.00168	-0.09235	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	COMANCHE 69KV	60	-0.00169	-0.09234	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	EASTMAN 138KV	355	-0.00089	-0.09314	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	ELK RIVER 345KV	149.9969	-0.00452	-0.08951	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	ELLIS 69KV	5.6	-0.00109	-0.09294	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	FITZALEGH 161KV	400	-0.00086	-0.09294	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	FLUNT CREEK 161KV	400	-0.00131	-0.09272	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	FPLWIND2 34KV	8	-0.00231	-0.09172	18
MIDW	Yorns 115KV	999	-0.09403	WEPL	HARPER 138KV	8.600001	-0.0046	-0.09443	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	HORSESHOE LAKE 138KV	776	-0.00225	-0.09171	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.09183	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	KNOXLEE 138KV	284	-0.00089	-0.09314	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	LARUSSEL 161KV	100	-0.00093	-0.09311	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	LEBROCK 345KV	915	-0.00089	-0.09314	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	LIBERMAN 138KV	96.85791	-0.00086	-0.09314	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	MCCLAIN 138KV	470	-0.00226	-0.09177	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.09254	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.09249	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	MUSTANG 138KV	35	-0.00232	-0.09171	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	MUSTANG 69KV	80	-0.00232	-0.09171	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	NARROWS 69KV	22	-0.00106	-0.09297	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	NORTHEASTERN STATION 138KV	488	-0.00167	-0.09236	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	NORTHEASTERN STATION 345KV	625	-0.00166	-0.09237	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	QEC 345KV	269	-0.00163	-0.0924	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	PIRKEY GENERATION 138KV	243	-0.00089	-0.09314	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	REDBUD 345KV	150	-0.00227	-0.09176	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	RIVERTON 161KV	156.1333	-0.00118	-0.09285	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	RIVERTON 69KV	83.2134	-0.00115	-0.09286	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SEMINOLE 138KV	463.4689	-0.00208	-0.09195	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.09191	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.09173	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SOONER 138KV	535	-0.00311	-0.09092	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SOONER 345KV	537	-0.00315	-0.09088	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.09091	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.09231	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.09231	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SPGCK1&2 13.200 345KV	60	-0.00254	-0.09149	18
MIDW	Yorns 115KV	999	-0.09403	EMDE	STATE LINE 161KV	532	-0.00114	-0.09289	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.0916	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	TINKER SG 138KV	60	-0.00223	-0.0918	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	TULSA POWER STATION 138KV	299	-0.00188	-0.09235	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	WEATHERFORD 34KV	12	-0.00132	-0.09265	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	WELSH 345KV	1044	-0.00097	-0.09306	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	WILKES 138KV	417.543	-0.00092	-0.09311	18
MIDW	Yorns 115KV	999	-0.09403	AEWP	WILKES 345KV	308	-0.0009	-0.09313	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	WOODWARD 24KV	10	-0.00234	-0.09172	18
MIDW	COLBY 115KV	12.00305	0.01136	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.08947	18
MIDW	Yorns 115KV	999	-0.09403	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.08826	19
MIDW	Yorns 115KV	999	-0.09403	WERE	CITY OF MULVANE 69KV	8.29	-0.00644	-0.08759	19
MIDW	Yorns 115KV	999	-0.09403	WERE	EVANS ENERGY CENTER 138KV	535	-0.00783	-0.08962	19
MIDW	Yorns 115KV	999	-0.09403	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.08725	19
MIDW	Yorns 115KV	999	-0.09403	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.08724	19
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01424	WERE	SMOKEY HILLS 34KV	177	0.09605		

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

WERE	TECUMSEH ENERGY CENTER 69KV	28	-0.00243	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03965	41
WERE	TECUMSEH ENERGY CENTER 115KV	41	-0.0029	MIDW	KNOLL 115KV	68.49275	0.03722	-0.04012	41
WERE	CHANUTE 69KV	24.563	-0.00189	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03911	42
WERE	CITY OF ERIE 69KV	24.53	-0.00189	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03911	42
WERE	CITY OF IOLA 69KV	42.878	-0.0016	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03882	42
AEWP	COCENTRIX 345KV	694	-0.00167	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03889	42
AEWP	COMANCHE 138KV	15	-0.00168	MIDW	KNOLL 115KV	68.49275	0.03722	-0.0389	42
AEWP	FLINT CREEK 161KV	28	-0.00131	MIDW	KNOLL 115KV	68.49275	0.03722	-0.039	42
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.03875	42
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.03875	42
AEWP	KIOWA 345KV	1348	-0.00175	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03897	42
AEWP	MID-CONTINENT 138KV	142.11	-0.0016	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03897	42
OKGE	MUSKOGEE 345KV	17	-0.00154	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03876	42
AEWP	NORTHEASTERN STATION 138KV	19.9997	-0.00167	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03889	42
AEWP	NORTHEASTERN STATION 345KV	19.9997	-0.00166	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03888	42
AEWP	OEC 345KV	1878.03	-0.00163	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03885	42
MIDW	126 115KV	999	-0.00183	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03905	42
OKGE	SEMINOLE 138KV	41.51312	-0.00208	MIDW	KNOLL 115KV	68.49275	0.03722	-0.0393	42
AEWP	SOUTHWESTERN STATION 138KV	229	-0.00172	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03894	42
AEWP	SOUTHWESTERN STATION 138KV	225	-0.00172	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03894	42
AEWP	TOKITOWIN 161KV	346.13	-0.0013	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03854	42
AEWP	TULSA POWER STATION 69KV	80	-0.00168	MIDW	KNOLL 115KV	68.49275	0.03722	-0.0389	42
AEWP	WELETKA 138KV	162	-0.00172	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03894	42
AEWP	ARSENAL HILL 69KV	110	-0.00082	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03804	43
EMDE	ASBURY 161KV	20	-0.00112	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03834	43
AEWP	EASTMAN 138KV	130.01	-0.00089	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03811	43
AEWP	ELLIS 69KV	19.4	-0.00109	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03831	43
AEWP	FITZHUGH 161KV	17	-0.00096	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03818	43
AEWP	FULTON 115KV	32.99999	-0.00078	MIDW	KNOLL 115KV	68.49275	0.03722	-0.038	43
AEWP	KNOXLEE 138KV	139	-0.00089	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03811	43
EMDE	LARUSSEL 161KV	196	-0.00093	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03815	43
AEWP	LEBRONCK 345KV	382	-0.00089	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03811	43
AEWP	LIEBERMAN 138KV	131.1421	-0.00084	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03806	43
AEWP	LONGSTAR POWER PLANT 69KV	50	-0.00092	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03814	43
AEWP	PIRKEY GENERATION 138KV	45	-0.00089	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03811	43
EMDE	RIVERTON 161KV	128.8467	-0.00119	MIDW	KNOLL 115KV	68.49275	0.03722	-0.0384	43
EMDE	RIVERTON 69KV	24.78566	-0.00115	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03837	43
EMDE	STATE LINE 161KV	74	-0.00114	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03836	43
AEWP	WILKES 138KV	45.45897	-0.00092	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03814	43
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	IATAN 345KV	396	0.0037	-0.03717	44
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	IATAN 345KV	396	0.0037	-0.03699	44
MIFU	ARIES 161KV	595	0.0012	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03802	45
MIFU	GREENWOOD 161KV	103.2754	0.00123	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03599	45
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	LAKE ROAD 161KV	35	0.00255	-0.03602	45
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	LAKE ROAD 34KV	92	0.00255	-0.03602	45
WERE	LAWRENCE ENERGY CENTER 230KV	36.50748	0.0007	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03652	45
KACP	MARSHALL 161KV	39.1	0.00099	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03623	45
KACP	MONTROSE 161KV	21.12598	0.00108	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03617	45
MIFU	NEVADA 69KV	20.3	0.00056	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03666	45
MIFU	RALPH GREEN 69KV	73.7	0.00117	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03605	45
KACP	BULL CREEK 161KV	105	0.00169	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03553	46
KACP	HAWTHORN 161KV	39	0.00177	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03545	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	BULL CREEK 161KV	308	0.0169	-0.03516	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.03572	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	HAWTHORN 161KV	762	0.00177	-0.03524	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACY	NEARMAN 161KV	77	0.00188	-0.03536	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACY	NEARMAN 20KV	235	0.00188	-0.03536	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	QUINDARO 161KV	117.9858	0.00188	-0.03536	46
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACY	QUINDARO 69KV	116.2856	0.00188	-0.03535	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.03554	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	LAKE ROAD 161KV	35	0.00255	-0.03584	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	LAKE ROAD 34KV	92	0.00255	-0.03584	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACY	NEARMAN 161KV	77	0.00188	-0.03517	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACY	NEARMAN 20KV	235	0.00188	-0.03517	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACY	QUINDARO 161KV	117.9858	0.00188	-0.03517	46
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACY	QUINDARO 69KV	116.2856	0.00188	-0.03517	46
KACP	KAW 69KV	242	0.00187	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03535	46
KACP	NORTHEAST 13KV	257	0.00183	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03539	46
KACP	NORTHEAST 161KV	277	0.00183	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03539	46
KACY	QUINDARO 161KV	119.0142	0.00188	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03534	46
KACY	QUINDARO 69KV	60.71442	0.00188	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03534	46
MIFU	SIBLEY 161KV	19.04221	0.00154	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03568	46
MIFU	TWA 161KV	32.1	0.00209	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03513	46
WERE	EMPORIA ENERGY CENTER 345KV	321	0.00225	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03497	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	CITY OF HIGGINSVILLE 69KV	30.5016	0.00118	-0.03465	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	GREENWOOD 161KV	145.4266	0.0013	-0.0347	47
EMDE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	MONTROSE 161KV	359.8741	0.00108	-0.03455	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	SIBLEY 161KV	230.9758	0.00154	-0.03501	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.03507	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	SOUTH HARPER 161KV	315	0.0112	-0.03498	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	BULL CREEK 161KV	308	0.0169	-0.03498	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.03447	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	GREENWOOD 161KV	145.4266	0.00123	-0.03452	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	HAWTHORN 161KV	762	0.00177	-0.03506	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIFU	SIBLEY 161KV	230.9758	0.00154	-0.03483	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.03489	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIFU	SOUTH HARPER 161KV	315	0.0112	-0.03441	47
MIFU	LAKE ROAD 161KV	91	0.00255	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03467	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.03417	48
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.03426	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.03399	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	MONTROSE 161KV	359.8741	0.00108	-0.03437	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.03408	48
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	LACYONE UNIT 345KV	958	-0.0009	-0.03388	49
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	LACYONE UNIT 345KV	958	-0.00099	-0.0332	49
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	AES 161KV	320	-0.00108	-0.03239	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	ASBURY 161KV	191	-0.00112	-0.03236	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEWP	EASTMAN 138KV	357	-0.00086	-0.03258	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEWP	FITZHUGH 161KV	109	-0.00086	-0.03251	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEWP	KNOXLEE 138KV	284	-0.00089	-0.03258	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	LARUSSEL 161KV	100	-0.00093	-0.03254	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEWP	LEBRONCK 345KV	315	-0.00089	-0.0324	50
WERE									

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	RIVERTON 161KV	156.1833	-0.00118	-0.03211	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	RIVERTON 69KV	43.21434	-0.00115	-0.03214	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	STATE LINE 161KV	532	-0.0114	-0.03215	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	WELSH 345KV	1044	-0.00097	-0.03232	51
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03194	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	CHANUTE 69KV	56.037	-0.00189	-0.03158	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.03122	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MCCLEIN 138KV	470	-0.00228	-0.03121	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSTANG 138KV	361	-0.00232	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSTANG 69KV	90	-0.00232	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	REDBUD 345KV	150	-0.00227	-0.0312	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.03139	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.03135	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03117	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	TINKER SG 138KV	60	-0.00223	-0.03124	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	CHANUTE 69KV	56.037	-0.00189	-0.0314	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	COGENTRIX 345KV	200	-0.00167	-0.03162	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	COMANCHE 138KV	145	-0.00168	-0.03161	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	COMANCHE 69KV	60	-0.00169	-0.0316	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.03162	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.03163	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	OEC 345KV	269	-0.00163	-0.03166	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.03121	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.03117	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.03157	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	SOUTHWESTERN STATION 345KV	437	-0.00162	-0.03157	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.03161	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SPGCK182 13,200 345KV	60	-0.00254	-0.03093	53
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.03104	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.03104	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MCCLEIN 138KV	470	-0.00228	-0.03103	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSTANG 138KV	361	-0.00232	-0.03097	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSTANG 69KV	90	-0.00232	-0.03097	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	REDBUD 345KV	150	-0.00227	-0.03102	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03109	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SPGCK182 13,200 345KV	60	-0.00254	-0.03075	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.03086	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	TINKER SG 138KV	60	-0.00223	-0.03106	53
WEPL	CIMARRON RIVER 115KV	29.18616	-0.0068	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03042	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SOONER 138KV	535	-0.00311	-0.03036	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SOONER 345KV	537	-0.00315	-0.03036	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOUTH 4TH ST 69KV	37	-0.00314	-0.03035	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.03003	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.03003	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOONER 138KV	535	-0.00311	-0.03018	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOONER 345KV	537	-0.00315	-0.03017	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.03017	54

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
Direction: From->To
Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
Flowgate: 2007AG1AFS411732208SP
Date Redispatch Needed: 6/1/08 - 10/1/08
Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.3	1.3	WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.36907	3
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	KNOLL 115KV	42.14067	0.01661	-0.37482	3
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	SMOKEY HILLS 34KV	177	0.02866	-0.44487	3
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WEPL	A.M. MILLER/GERGEN GENERATOR 115KV	320	-0.00168	-0.35821	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	AES 161KV	320	-0.00019	-0.35820	3
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	ASBURY 161KV	191	0.00004	-0.35825	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	BULL CREEK 161KV	308	0.00115	-0.35936	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	CENTENIAL WIND 34KV	16	-0.0009	-0.35731	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CHANUTE 69KV	56.037	-0.00228	-0.35768	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00834	-0.34987	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.35751	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00002	-0.35823	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF FERIE 69KV	2	-0.00006	-0.35815	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.35807	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.35823	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.35881	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.35732	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.35748	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WEPL	CLIFTON 115KV	65	-0.01295	-0.34526	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.35823	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	COGENTRIX 345KV	200	-0.00029	-0.35792	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COLBY 115KV	13.23441	-0.00311	-0.35689	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	COMANCHE 138KV	145	-0.00094	-0.35727	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	COMANCHE 69KV	60	-0.00093	-0.35728	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	EASTMAN 138KV	355	-0.00024	-0.35797	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	ELK RIVER 345KV	149.956	-0.00028	-0.35793	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	ELLIS 69KV	6	-0.00118	-0.35803	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00093	-0.35914	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.35755	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	FITZHUGH 161KV	86	-0.00016	-0.35805	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	FLINT CREEK 161KV	406	-0.00046	-0.35887	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	FPLWIND2 34KV	26	-0.00091	-0.3573	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.35678	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.35699	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.34723	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	GRANT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00979	-0.33842	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.35886	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WEPL	HARPER 138KV	8.49	-0.00938	-0.34883	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	HAWTHORN 161KV	762	0.00091	-0.35912	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	HOLTON 115KV	12.2	0.00015	-0.35936	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.35763	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.35764	4
			WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	IATAN 345KV	396	0.00217	-0.36038	4

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

WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACY	QUINDARO 69KV	116.182	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.35984	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	REDBUD 345KV	150	-0.00054	-0.35767	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.35763	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.35764	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SIBLEY 161KV	230.2451	0.00079	-0.35689	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.35902	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35759	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 138KV	535	-0.00056	-0.35765	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 345KV	537	-0.00057	-0.35764	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.35758	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.3581	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.35441	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK182 13.200 345KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK3&4 13.200 345KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	STATE LINE 161KV	500	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.3536	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	TINKER SG 138KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.35793	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.35705	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WELSH 345KV	1044	-0.00026	-0.35795	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WILKES 138KV	424.126	-0.00028	-0.35707	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WILKES 345KV	308	-0.00024	-0.35797	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	WOODWARD 24KV	10	-0.0009	-0.35731	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.32041	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.08026	-0.26316	5
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09454	-0.26337	5
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.24567	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	AES 161KV	320	-0.00019	-0.23756	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	ASBURY 161KV	191	0.00004	-0.23779	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	BULL CREEK 161KV	308	0.0115	-0.23807	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	CENTRAL WIND 34KV	16	-0.0009	-0.23685	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CHANUTE 69KV	56.037	-0.00006	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.23705	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF ERIE 69KV	2	-0.00006	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.23835	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.23686	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.23702	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	COGENTRIX 345KV	200	-0.00029	-0.23746	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIDW	COLEY 115KV	13.23441	-0.0131	-0.23644	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	COMANCHE 138KV	145	-0.00094	-0.23681	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	COMANCHE 69KV	60	-0.00093	-0.23682	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	EASTMAN 138KV	355	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	ELK RIVER 345KV	149.9596	-0.00028	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	ELLIS 69KV	60	-0.0009	-0.23767	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00093	-0.23688	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.23709	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	FITZUGH 161KV	85	-0.00016	-0.23759	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	FRONZO 34KV	60	-0.0008	-0.23684	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	GILL ENERGY CENTER 138KV	165	-0.00143	-0.23632	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.23653	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.23871	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	HAWTHORN 161KV	763	0.0001	-0.23866	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HOLTON 115KV	12.2	0.00015	-0.2379	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	IATAN 345KV	396	0.00217	-0.23982	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01017	-0.23688	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.24861	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIDW	KNOLL 115KV	42.14067	0.01661	-0.25436	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	KNOWLEE 138KV	284	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	LACYMAN 345KV	80	-0.0005	-0.23826	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.23868	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	LAKE ROAD 34KV	92	0.00111	-0.23866	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	LARUSSEL 161KV	100	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.2367	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	LEBROCK 345KV	465	-0.0002	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	LIEBERMAN 138KV	13.09999	-0.00022	-0.23753	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	MARSHALL 161KV	15	0.00046	-0.23821	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MCLAIN 138KV	470	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	MONTROSE 161KV	357.1523	0.0006	-0.23637	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.2375	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSTANG 138KV	351	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSTANG 69KV	90	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NARROWS 69KV	72	-0.0009	-0.23746	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACY	NEARMAN 161KV	77	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACY	NEARMAN 20KV	235	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	NEVADA 69KV	18.3	0.00044	-0.23819	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NORTHEASTERN STATION 138KV	605	-0.0002	-0.23763	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.23755	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	DEC 345KV	269	-0.00025	-0.2375	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	OZARK BEACH 161KV	16	0.00001	-0.23776	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.23839	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	PIRKEY CENTER 138KV	60	-0.0002	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACY	QUINDARO 161KV	118.0031	0.00101	-0.23870	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACY	QUINDARO 69KV	116.182	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.23838	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	REDBUD 345KV	150	-0.00054	-0.23767	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	SIBLEY 161KV	230.2451	0.00079	-0.23853	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.23856	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SOONER 138KV	535	-0.00056	-0.23719	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SOONER 345KV	537	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.23715	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.23835	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.2395	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.23862	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SOUTHWESTERN STATION 138KV	772	-0.00093	-0.23862	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SPGCK182 13.200 345KV	60	-0.0006	-0.23715	5
WERE									

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	ASBURY 161KV	191	0.00004	-0.16305	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	BULL CREEK 161KV	308	0.00115	-0.16416	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	CENTRAL WIND 34KV	16	-0.0009	-0.16211	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CHANUTE 69KV	56.037	-0.00006	-0.16295	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00834	-0.15467	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16231	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF FREDONIA 69KV	3.19	-0.0014	-0.16168	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.16381	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.16212	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.16299	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16272	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIDW	COLBY 115KV	13.23441	-0.00131	-0.16177	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 138KV	145	-0.00094	-0.16207	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 69KV	60	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	EASTMAN 138KV	355	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	ELK RIVER 345KV	149.9956	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	ELLIS 69KV	6	-0.00018	-0.16283	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00093	-0.16294	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.16235	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FITZHUGH 161KV	85	-0.00016	-0.16285	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.16287	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	FRLWIND 34KV	26	-0.00091	-0.1621	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	GILL ENERGY CENTER 138KV	165	-0.00047	-0.16168	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.16179	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.15203	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00979	-0.15322	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.16386	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	HARPER 138KV	8.49	-0.00938	-0.15363	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	HAWTHORN 161KV	762	0.00091	-0.16392	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HOLTON 115KV	12.2	0.00015	-0.16316	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	IATAN 345KV	396	0.00217	-0.16518	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16291	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	JUDSON LARGE 115KV	97.46774	-0.011	-0.15201	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	KNOWLEE 138KV	284	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16354	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 34KV	92	0.00111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	LARUSSEL 161KV	100	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	LAWRENCE ENERGY CENTER 230KV	232.24	-0.00124	-0.16196	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LEBROCK 345KV	665	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.16279	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MARSHALL 161KV	115	0.00046	-0.16347	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MCCLELLAN 138KV	470	-0.00042	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MONTROSE 161KV	357.1253	0.00062	-0.16363	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.16276	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSTANG 138KV	351	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSTANG 69KV	90	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NARROWS 69KV	22	-0.00029	-0.16272	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	NEARMAN 161KV	77	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	NEARMAN 20KV	235	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	NEVADA 69KV	18.3	0.00044	-0.16345	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 138KV	625	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16281	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	OEC 345KV	269	-0.00025	-0.16276	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16302	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.16365	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 161KV	118.0031	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 69KV	116.1852	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.16247	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	REDDUD 345KV	150	-0.00057	-0.16247	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 345KV	109.3658	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 161KV	230.2451	0.00078	-0.16379	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16382	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SMITH OGEN 138KV	107	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 138KV	535	-0.00056	-0.16245	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 345KV	537	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.16238	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16361	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.15921	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	229	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 345KV	772	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SPGCK1&2 13.200 345KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SPGCK3&4 13.200 345KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	STATE LINE 161KV	500	-0.00001	-0.16141	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	TECUMSEH ENERGY CENTER 115KV	133	-0.0046	-0.15584	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	TINKER SG 138KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.16185	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WELSH 345KV	1604	-0.00028	-0.16276	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 138KV	424.129	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 345KV	308	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	WOODWARD 24KV	10	-0.0009	-0.16211	8
WERE	ELLINWOOD 115KV	2.9	-0.1462	WERE	JEFFREY ENERGY CENTER 345KV	640	0.01086	-0.15706	8
MIDW	ELLINWOOD 115KV	2.9	-0.1462	MIDW	KNOLL 115KV	42.1467	0.0166	-0.15281	8
MIDW	YIONS 115KV	999	-0.16166	OKGE	AES 161KV	320	-0.00019	-0.16147	8
MIDW	YIONS 115KV	999	-0.16166	EMDE	ASBURY 161KV	191	0.00004	-0.1617	8
MIDW	YIONS 115KV	999	-0.16166	KACP	BULL CREEK 161KV	308	0.00115	-0.16281	8
MIDW	YIONS 115KV	999	-0.16166	OKGE	CENTRAL WIND 34KV	16	-0.0009	-0.16211	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CHANUTE 69KV	56.037	-0.00006	-0.1618	8
MIDW	YIONS 115KV	999	-0.16166	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00834	-0.15332	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16096	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.16168	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF FREDONIA 69KV	3.19	-0.0014	-0.16152	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.16168	8
MIDW	YIONS 115KV	999	-0.16166	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.16226	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.16077	8
MIDW	YIONS 115KV	999	-0.16166	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.16093	8
MIDW	YIONS 115KV	999	-0.16166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.16168	8
MIDW	YIONS 115KV	999	-0.16166	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16137	8
MIDW	YIONS 115KV	999	-0.16166	MIDW	COLBY 115KV	13.23441	-0.00131	-0.16035	8
MIDW	YIONS 115KV	999	-0.16166	AEPW	COMANCHE 138KV	145	-0.00094	-0.16072	8
MIDW	YIONS 115KV	999	-0.16166	AEPW	COMANCHE 69KV	60	-0.00093	-0.16073	8
MIDW	YIONS 115KV	999	-0.16166	AEPW	EASTMAN 138KV	355	-0.00024	-0.16142	8
MIDW	YIONS 115KV	999	-0.16166	EMDE	ELK RIVER 345KV	149.9956	-0.00028	-0.16138	8
MIDW	YIONS 115KV								

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

MIDW	Yorns 115kV	999	-0.16166	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.16061	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	LEBROCK 345KV	465	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.16144	8
MIDW	Yorns 115kV	999	-0.16166	KACP	MARSHALL 161KV	15	0.00046	-0.16212	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MCCLEIN 138KV	470	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	KACP	MONTROSE 161KV	357.1523	0.00062	-0.16228	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.16141	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16138	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSTANG 138KV	351	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSTANG 69KV	90	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NARROWS 69KV	22	-0.00029	-0.16137	8
MIDW	Yorns 115kV	999	-0.16166	KACY	NEARMAN 161KV	77	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	KACY	NEARMAN 20KV	235	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	NEVADA 69KV	18.3	0.00044	-0.1621	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NORTHEASTERN STATION 138KV	488	-0.00022	-0.16144	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16146	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	OEC 345KV	269	-0.00025	-0.16141	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16167	8
MIDW	Yorns 115kV	999	-0.16166	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.1623	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	KACY	QUINDARO 161KV	118.0031	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	KACY	QUINDARO 69KV	116.1852	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.16229	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	REDDUD 345KV	150	-0.00054	-0.16112	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.16165	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	RIVERTON 69KV	42.0547	-0.00001	-0.16165	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.16108	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.16109	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SIBLEY 161KV	230.2451	0.00078	-0.16244	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16247	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOONER 138KV	535	-0.00056	-0.1611	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOONER 345KV	537	-0.00057	-0.16109	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.16103	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16226	8
MIDW	Yorns 115kV	999	-0.16166	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.15786	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.16073	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	SOUTHWESTERN STATION 345KV	772	-0.00093	-0.16073	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SPGCK182 13 200 345KV	60	-0.0006	-0.16108	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SPGCK384 13 200 345KV	60	-0.0006	-0.16108	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	STATE LINE 161KV	500	-0.00001	-0.16165	8
MIDW	Yorns 115kV	999	-0.16166	WERE	TALUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.15705	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	TINKER 5G 138KV	80	-0.0006	-0.16106	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	TULSA POWER STATION 138KV	299	-0.00022	-0.16138	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.1605	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WELSH 345KV	1044	-0.00026	-0.1614	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WILKES 138KV	424.129	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	WOODWARD 24KV	10	-0.0009	-0.16076	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14616	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	CLIFTON 115KV	65	-0.01295	-0.15006	9
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09565	-0.1427	9
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 115KV	30	-0.09565	-0.1427	9
MIDW	Yorns 115kV	999	-0.16166	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14481	9
MIDW	Yorns 115kV	999	-0.16166	WEPL	CLIFTON 115KV	65	-0.01295	-0.14871	9
WERE	ABILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.23775	-0.12046	11
WERE	HUTCHINSON ENERGY CENTER 115KV	178	-0.09505	MIDW	KNOLL 115KV	42.4067	0.01661	-0.11166	11
MIDW	Yorns 115kV	999	-0.03626	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.09204	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.10591	12
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	AES 161KV	320	-0.00019	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	ASBURY 161KV	191	0.00004	-0.09509	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	BULL CREEK 161KV	308	0.01115	-0.09262	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	CHANUTE 69KV	56.037	-0.00006	-0.09499	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.09565	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	COGENTRON 345KV	423	-0.00022	-0.09478	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	EASTMAN 138KV	355	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	ELK RIVER 345KV	149.9956	-0.00028	-0.09477	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	ELLIS 69KV	6	-0.00018	-0.09487	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	EMPORIA ENERGY CENTER 345KV	108	0.00098	-0.09588	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	FITZLUUGH 161KV	85	-0.00016	-0.09489	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.09491	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.0957	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	HAWTHORN 161KV	762	0.00091	-0.09596	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	HOLTON 115KV	12.2	0.0015	-0.09515	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	IATAN 345KV	396	0.00217	-0.09722	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.09698	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	KNOXLEE 138KV	284	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	LACYONE ENERGY 345KV	95	0.00054	-0.09588	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	LAKE ROAD 34KV	92	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	LARUSSELL 161KV	100	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	LEBROCK 345KV	465	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	MARSHALL 161KV	15	0.00046	-0.09551	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	MONTROSE 161KV	357.1523	0.00062	-0.09567	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.0949	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.09477	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NARROWS 69KV	22	-0.00029	-0.09476	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	NEARMAN 161KV	77	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	NEARMAN 20KV	235	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	NEVADA 69KV	18.3	0.00044	-0.09549	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NORTHEASTERN STATION 138KV	488	-0.00022	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	OEC 345KV	269	-0.00025	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	OZARK BEACH 161KV	16	0.00001	-0.09506	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.09569	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	QUINDARO 161KV	118.0031	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	QUINDARO 69KV	116.1852	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.09589	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	REDDUD 345KV	150	-0.00054	-0.09451	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.09504	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	RIVERTON 69KV	42.0547	-0.00		

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

WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.09125	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEWP	SOUTHWESTERN STATION 138KV	297	-0.00093	-0.09412	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEWP	SOUTHWESTERN STATION 138KV	772	-0.00093	-0.09412	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	SPGCK1&2 13 200 345KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	SPGCK3&4 13 200 345KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.09044	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	TINKER 5G 138KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEWP	WEATHERFORD 34KV	12	-0.0116	-0.08237	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	WOODWARD 24KV	10	-0.0009	-0.09415	14
WEPL	JUDSON LARGE 115KV	5.532257	-0.011	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.09366	14
AEWP	ARSENAL HILL 69KV	110	-0.00022	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
EMDE	ASBURY 161KV	20	0.00004	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08262	15
WERE	CHANUTE 69KV	24.563	-0.00006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08272	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.0007	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08336	15
WERE	CITY OF BURLINGTON 69KV	13.7	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	CITY OF ERIE 69KV	24.53	-0.00006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08272	15
WERE	CITY OF FREDDONIA 69KV	7.104	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08268	15
WERE	CITY OF GIRARD 69KV	7.1	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	CITY OF IOLA 69KV	42.878	0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08265	15
WERE	CITY OF MULVANE 69KV	7.5	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08355	15
WERE	CITY OF NEOSHO 69KV	6.738	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08268	15
WERE	CITY OF WINFIELD 69KV	13.68999	-0.00073	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08339	15
AEWP	COGENTRIX 345KV	694	-0.00029	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08295	15
MIDW	COLBY 115KV	11.76559	-0.00131	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08397	15
AEWP	COMANCHE 138KV	15	-0.00094	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0836	15
AEWP	EASTMAN 138KV	130.01	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08284	15
AEWP	ELLIS 69KV	20	-0.00018	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08284	15
WERE	EVANS ENERGY CENTER 138KV	53	-0.00066	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08332	15
AEWP	FITZHUGH 161KV	41	-0.00016	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08282	15
AEWP	FLINT CREEK 161KV	28	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08268	15
AEWP	FULTON 115KV	32.99999	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08286	15
WERE	GETTY 69KV	35	-0.00073	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08339	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00143	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08409	15
WERE	GILL ENERGY CENTER 69KV	48	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08388	15
WERE	HOLTON 115KV	7.61	0.00015	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08261	15
OKGE	HORSESHOE LAKE 138KV	64	-0.00059	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08324	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	CIMARRON WIND 115KV	11.55588	-0.00834	-0.08671	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.08407	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.8757	-0.00979	-0.08526	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	HARPER 138KV	8.49	-0.00938	-0.08567	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	JUDSON LARGE 115KV	97.46774	-0.011	-0.08405	15
AEWP	KIOWA 345KV	1348	-0.00051	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08317	15
AEWP	KNOXLEE 138KV	139	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08269	15
EMDE	LARUSSEL 161KV	196	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	LAWRENCE ENERGY CENTER 230KV	36.75595	-0.00105	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08371	15
AEWP	LEBROCK 345KV	232	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0829	15
AEWP	LIEBERMAN 138KV	236.906	-0.00022	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
AEWP	LONGSTAY POWER PLANT 69KV	50	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08329	15
OKGE	MCLAIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
AEWP	MID-CONTINENT 138KV	142.11	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08285	15
OKGE	MUSKOGEE 345KV	17	-0.00028	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08294	15
OKGE	MUSTANG 138KV	49	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
OKGE	MUSTANG 69KV	15.99999	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
AEWP	NORTH MARSHALL 69KV	5	-0.00023	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08289	15
AEWP	NORTHEASTERN STATION 138KV	19.99997	-0.00022	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
AEWP	NORTHEASTERN STATION 345KV	19.99997	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08286	15
AEWP	OEG 345KV	1878.03	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08291	15
AEWP	PIRKEY GENERATION 138KV	35	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08323	15
OKGE	REBLUD 345KV	1050	-0.00054	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0832	15
EMDE	rice 115kv	999	-0.00023	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08289	15
EMDE	RIVERTON 161KV	149.1704	-0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08267	15
EMDE	RIVERTON 69KV	25.94529	-0.0001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08267	15
OKGE	SEMINOLE 138KV	61.91107	-0.00058	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08324	15
OKGE	SEMINOLE 345KV	10.60004	-0.00057	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08323	15
OKGE	SOONER 138KV	5	-0.00056	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08322	15
OKGE	SOUTH 4TH ST 69KV	5.77	-0.00063	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08329	15
WERE	SOUTH SENECA 115KV	8.2	-0.0038	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08446	15
AEWP	SOUTHWESTERN STATION 138KV	229	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08359	15
AEWP	SOUTHWESTERN STATION 138KV	290	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08359	15
OKGE	SPGCK1&2 13 200 345KV	18	-0.0006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08326	15
EMDE	SPGCK3&4 13 200 345KV	18	0.0006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08326	15
EMDE	STATE LINE 161KV	106	-0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08261	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00461	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08727	15
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00512	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08778	15
AEWP	TONTONTOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08281	15
AEWP	TULSA POWER STATION 69KV	80	-0.00029	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08234	15
WERE	WACO 138KV	30	-0.00135	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08401	15
AEWP	WELEETKA 138KV	162	-0.00039	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08305	15
AEWP	WILKES 138KV	38.87097	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08305	15
MIFU	JAMES 161KV	594.9886	0.00064	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08302	16
KACP	BULL CREEK 161KV	105	0.00115	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08151	16
WERE	EMPORIA ENERGY CENTER 345KV	283	0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08173	16
KACP	GARDNER 161KV	11	0.00113	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08153	16
KACP	HAWTHORN 161KV	39	0.00091	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08175	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	A.M. MILLER GENERATOR 115KV	0.1668	-0.0168	-0.08762	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	CLIFTON 115KV	65	-0.01295	-0.0821	16
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00193	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08073	16
KACY	KAW 69KV	242	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
MIFU	LAKE ROAD 161KV	30.86816	0.00111	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08155	16
KACP	MARSHALL 161KV	39.1	0.00046	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0822	16
KACP	MONTROSE 161KV	23.84769	0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08204	16
KACP	NORTHEAST 13KV	277	0.00096	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0817	16
KACP	NORTHEAST 161KV	277	0.00096	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0817	16
KACY	PAOLA COMBUSTION TURBINES 161KV	13.51686	0.00064	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08202	16
KACP	QUINDARO 161KV	118.9969	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
KACY	QUINDARO 69KV	60.81482	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
MIFU	SIBLEY 161KV	19.75485	0.00078	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08188	16
MIFU	TWA 69KV	32.1	0.00109	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08157	16
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01096	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0718	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09505	-0.06796	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	30	-0.09484	-0.06817	19
MIDW	KNOLL 115KV	33.78333	0.01661	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.06605	19
MIFU	Yons 115kv	999	-0.16166	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09505	-0.06661	19
MIDW	Yons 115kv	999	-0.16166	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.06682	19
MIDW	paawee 115kv	999	-0.03626	MIDW	KNOLL 115KV	42.14067	0.01661	-0.05287	24
MIDW	paawee 115kv	999	-0.03626	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.04712	27
MIDW	paawee 115kv	999	-0.03626	KACP	IATAN 345KV	396	0.00217	-0.03843	33
MIDW	paawee 115kv	999	-0.03626	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.03819	33
MIDW	paawee 115kv	999	-0.03626	KACP	BULL CREEK 161KV	308	0.00115	-0.03741	34
MIDW	paawee 115kv	999	-0.03626	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00093	-0.03719	34
MIDW	paawee 115kv	999	-0.03626	KACP	HAWTHORN 161KV	762	0.00091	-0.03717	34
MIDW	paawee 115kv	999	-0.03626	MIFU	LAKE ROAD 161KV	85.13184	0.00111	-0.03737	34
MIDW	paawee 115kv	999	-0.03626	MIFU	LAKE ROAD 34KV	92	0.00111	-0.03737	34
MIDW	paawee 115kv	999	-0.03626	KACY	NEARMAN 161KV	77	0.00101	-0.03727	34
MIDW	paawee 115kv	999	-0.03626	KACY	NEARMAN 20KV	235	0.00101	-0.03727	34
MIDW	paawee 115kv	999	-0.03626	KACY	QUINDARO 161KV	118.0031			

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	JEFFREY ENERGY CENTER 345KV	421.4087	0.01088	-0.36907	3
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	KNOLL 115KV	166	0.00025	-0.37482	3
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	SMOKEY HILLS 34KV	1548	-0.00028	-0.35688	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	A. M. MULLERGENERATOR 115KV	22	-0.00029	-0.35977	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	AES 161KV	18.3	0.00044	-0.367	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	ASBURY 161KV	488	-0.00022	-0.3604	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	BULL CREEK 161KV	625	-0.0002	-0.3606	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	CENTENIAL WIND 34KV	269	-0.00025	-0.3601	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CHANTRY 69KV	16	0.00001	-0.3627	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CIMARRON RIVER 115KV	63.48315	0.00064	-0.3689	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF AUGUSTA 69KV	253	-0.00024	-0.36802	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF BURLINGTON 69KV	71.7	0.00063	-0.36899	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF ERIE 69KV	136.8296	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF FREDONIA 69KV	42.0547	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF GIRARD 69KV	315	0.0006	-0.36886	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF HIGGINSVILLE 69KV	500	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF MULVANE 69KV	299	-0.00028	-0.35988	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF WINFIELD 69KV	1044	-0.00026	-0.36	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COFFEE COUNTY NO. 2 SHARPE 69KV	424.129	-0.00024	-0.36062	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COGENTRIX 345KV	308	-0.00024	-0.36062	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COLBY 115KV	16	-0.0009	-0.3536	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 138KV	20.02	-0.0007	-0.35556	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 69KV	26.31001	-0.00073	-0.35553	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 138KV	145	-0.00094	-0.3532	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 69KV	60	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.3566	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	FLLWIND2 34KV	26	-0.00091	-0.3535	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	GILL ENERGY CENTER 138KV	52	-0.00122	-0.35054	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.35688	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.3568	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.3521	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MCCLAIN 138KV	470	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MUSTANG 138KV	351	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MUSTANG 69KV	90	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	REDBLD 34KV	150	-0.0009	-0.3571	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.35688	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.35669	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 138KV	535	-0.00056	-0.3567	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 345KV	537	-0.00057	-0.35669	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.3563	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	272	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK12 13 200 34KV	60	-0.0006	-0.3566	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK34 13 200 34KV	60	-0.0006	-0.3566	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	TINKER SG 138KV	60	-0.0006	-0.3566	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.351	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	WELSH 345KV	13.23441	-0.00131	-0.3569	37
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.35483	37
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.35165	40

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To-From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007AG1AFS41T1742208SP
 Date Redispatch Needed: 6/1/08 - 10/1/08
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.3	1.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	JEFFREY ENERGY CENTER 345KV	421.4087	0.01088	-0.36907	3
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	KNOLL 115KV	166	0.00025	-0.37482	3
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	SMOKEY HILLS 34KV	1548	-0.00028	-0.35688	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	A. M. MULLERGENERATOR 115KV	22	-0.00029	-0.35977	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	AES 161KV	18.3	0.00044	-0.367	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	ASBURY 161KV	488	-0.00022	-0.3604	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	KACP	BULL CREEK 161KV	625	-0.0002	-0.3606	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	CENTENIAL WIND 34KV	269	-0.00025	-0.3601	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CHANTRY 69KV	16	0.00001	-0.3627	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CIMARRON RIVER 115KV	63.48315	0.00064	-0.3689	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF AUGUSTA 69KV	253	-0.00024	-0.36802	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF BURLINGTON 69KV	71.7	0.00063	-0.36899	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF ERIE 69KV	136.8296	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF FREDONIA 69KV	42.0547	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF GIRARD 69KV	315	0.0006	-0.36886	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF HIGGINSVILLE 69KV	500	-0.00001	-0.3625	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF MULVANE 69KV	299	-0.00028	-0.35988	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	CITY OF WINFIELD 69KV	1044	-0.00026	-0.36	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COFFEE COUNTY NO. 2 SHARPE 69KV	424.129	-0.00024	-0.36062	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	COGENTRIX 345KV	308	-0.00024	-0.36062	35
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COLBY 115KV	16	-0.0009	-0.3536	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 138KV	20.02	-0.0007	-0.35556	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 69KV	26.31001	-0.00073	-0.35553	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 138KV	145	-0.00094	-0.3532	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	COMANCHE 69KV	60	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.3566	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	MIDW	FLLWIND2 34KV	26	-0.00091	-0.3535	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	GILL ENERGY CENTER 138KV	52	-0.00122	-0.35054	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.35688	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.3568	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.3521	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MCCLAIN 138KV	470	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MUSTANG 138KV	351	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	MUSTANG 69KV	90	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	REDBLD 34KV	150	-0.0009	-0.3571	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.35688	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.35669	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35664	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 138KV	535	-0.00056	-0.3567	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 345KV	537	-0.00057	-0.35669	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.3563	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	272	-0.00093	-0.35353	36
WERE	ABLILENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK12 13 200 34KV	60	-0.000		

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

WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACV	QUINDARO 161KV	118.0031	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	KACV	QUINDARO 69KV	116.1852	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.35884	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	REDDUD 345KV	150	-0.00054	-0.35767	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.35763	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SEMINOLE 345KV	1019	-0.0005	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SIBLEY 161KV	230.2451	0.00078	-0.35899	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.35902	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35759	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 138KV	535	-0.00056	-0.35766	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOONER 345KV	537	-0.00057	-0.35764	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.35758	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.35881	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.35441	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK1&2 13.200 345KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	SPGCK3&4 13.200 345KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	EMDE	STATE LINE 161KV	500	-0.00001	-0.3582	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.3536	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	TINKER 5G 138KV	60	-0.0006	-0.35761	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.35793	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.35705	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WELSH 345KV	109	-0.0004	-0.35705	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WILKES 138KV	424.129	-0.00024	-0.35797	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	AEPW	WILKES 345KV	308	-0.00024	-0.35797	4
WERE	ABLENE ENERGY CENTER 115KV	6.883793	-0.35821	OKGE	WOODWARD 24KV	10	-0.0009	-0.35731	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	SMOKEY HILLS 34KV	177	0.08286	-0.23841	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09055	-0.26316	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.26337	5
WERE	BPV - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SMOKEY HILLS 34KV	177	0.08286	-0.24567	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	AES 161KV	320	-0.00119	-0.23756	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	ASBURY 161KV	194	-0.00094	-0.23778	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	BULL CREEK 161KV	308	0.00115	-0.2389	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	CENTENIAL WIND 34KV	16	-0.0009	-0.23685	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CHANUTE 69KV	56.307	-0.00006	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.23705	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF ERIE 69KV	2	-0.00006	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.23771	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF GIRARD 69KV	3.16	0.00002	-0.23767	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	COSENTINE 345KV	30.892	0.0003	-0.23783	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	COLBY 115KV	13.2441	-0.00131	-0.23644	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.23686	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.23702	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	COMANCHE 138KV	145	-0.00094	-0.23681	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	COMANCHE 69KV	60	-0.00093	-0.23682	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	EASTMAN 138KV	955	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	ELK RIVER 345KV	149.9956	-0.00018	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	ELLIS 69KV	6	-0.00018	-0.23767	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00093	-0.23688	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.23709	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	FITZTUGH 161KV	85	-0.00016	-0.23759	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	FLINT CREEK 161KV	404	-0.0001	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	FPLWND2 34KV	26	-0.00091	-0.23684	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.23632	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.23653	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.2384	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	HAWTHORN 161KV	762	0.00091	-0.23666	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HOLTON 115KV	12.2	0.00015	-0.2379	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	IATAN 345KV	308	0.0021	-0.23778	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.23968	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.24861	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIDW	KNOLL 115KV	42.14067	0.01661	-0.25436	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	KNOWLES 138KV	294	-0.00057	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	LACYNE UNIT 345KV	958	0.00053	-0.23638	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.23886	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	LAKE ROAD 34KV	92	0.00111	-0.23886	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	LARUSSEL 161KV	100	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.2387	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	LEBRONCK 345KV	465	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.23753	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	MARSHALL 161KV	15	0.00046	-0.23821	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MCCLAIN 138KV	470	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	MONTROSE 161KV	357.1523	0.00062	-0.23637	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.2375	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSTANG 138KV	351	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	MUSTANG 69KV	90	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NARROWS 69KV	22	-0.00029	-0.23746	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACV	NEARMAN 161KV	77	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACV	NEARMAN 20KV	235	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	NEVADA 69KV	18.3	0.00044	-0.23925	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NORTHEASTERN STATION 138KV	488	-0.00022	-0.23753	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.23755	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	OEC 345KV	269	-0.00025	-0.2375	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	OZARK BEACH 161KV	16	0.00001	-0.23776	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACP	PAOLA COMBUSTION TURBINES 161KV	63.4831	0.00056	-0.23839	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACV	QUINDARO 161KV	118.0031	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	KACV	QUINDARO 69KV	116.1852	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.35884	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	REDDUD 345KV	150	-0.00054	-0.23721	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	OKGE	SEMINOLE 345KV	1019			

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	AES 161KV	320	-0.00019	-0.16282	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	ASBURY 161KV	191	0.00004	-0.16305	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	BULL CREEK 161KV	308	0.0115	-0.16116	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	CENTENIAL WIND 34KV	16	-0.0009	-0.16211	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CHANUTE 69KV	56.037	-0.00006	-0.16295	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	CHARRON RIVER 115KV	11.55588	-0.00834	-0.15467	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16231	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.16103	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.16287	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.16361	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.16132	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.16228	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16272	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIDW	COLBY 115KV	13.23441	-0.00131	-0.1617	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 138KV	145	-0.00094	-0.16207	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 69KV	60	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	EASTMAN 138KV	355	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	ELK RIVER 345KV	149.9956	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	ELLIS 69KV	6	-0.00018	-0.16235	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00053	-0.16394	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.16235	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FITZLUUGH 161KV	85	-0.00016	-0.16285	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.16287	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	FRYLAND 234KV	26	-0.0008	-0.16121	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.16158	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.16179	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.15203	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	GRANT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00979	-0.15322	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	GREENWOOD 161KV	217.8	0.00065	-0.16366	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	HARPER 138KV	8.49	-0.00938	-0.15363	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	HAWTHORN 161KV	762	0.00091	-0.16392	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HOLTON 115KV	12.2	0.00015	-0.16316	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	HORSESHOE LAKE 138KV	796	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	HORSESHOE LAKE 69KV	16	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	IATAN 345KV	396	0.00217	-0.16518	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16494	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	JUDSON LARGE 115KV	97.46774	-0.011	-0.15201	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	KNOWLEE 138KV	294	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16354	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 34KV	92	0.00111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	LARUEL 161KV	100	0.00068	-0.16203	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.16196	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LEBROCK 345KV	465	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LIEBERMAN 138KV	13.03999	-0.00022	-0.16279	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MARSHALL 161KV	17.0046	0.00046	-0.16247	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	MCCLAIN 138KV	470	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MONTROSE 161KV	357.1523	0.00062	-0.16363	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	MUSKOGEE 161KV	166	-0.00025	-0.16276	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	MUSKOGEE 345KV	1548	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	MUSKOGEE 138KV	351	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	MUSTANG 69KV	90	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NARROWS 69KV	22	-0.00029	-0.16272	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	NEARMAN 161KV	77	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	NEARMAN 20KV	235	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	NEVADA 69KV	8.3	0.0004	-0.16245	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 138KV	488	-0.00022	-0.16279	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16281	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	OEC 345KV	269	-0.00025	-0.16281	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16302	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.16365	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	QUINDARO 161KV	118.0031	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	QUINDARO 69KV	116.1652	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	RALPH GREEN 69KV	7.17	0.00063	-0.16264	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	REDBUD 345KV	150	-0.00054	-0.16247	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SEMINOLE 138KV	443.098	-0.00058	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SEMINOLE 345KV	1019	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 161KV	230.2451	0.00078	-0.16379	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16382	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SMITH COGEN 138KV	107	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SOONER 138KV	536	-0.00056	-0.16245	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SOONER 345KV	537	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SOUTH 4TH ST 69KV	37	-0.00063	-0.16238	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16361	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SOUTH SENeca 115KV	3	-0.0038	-0.15201	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	297	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 345KV	772	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SPGCK1&2 13.200 345KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	SPGCK3&4 13.200 345KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	STATE LINE 161KV	520	0.00001	-0.16163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.1584	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	TINKER SG 138KV	60	-0.0006	-0.16241	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WEATHERFORD 34KV	17	-0.0116	-0.16165	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WELSH 345KV	1044	-0.00026	-0.16275	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 138KV	424.129	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 345KV	308	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGKE	WOODWARD 24KV	10	-0.0009	-0.16211	8
WERE	ELLINWOOD 115KV	2.9	-0.1462	WERE	JEFFREY ENERGY CENTER 345KV	958	0.00053	-0.16219	8
WERE	ELLINWOOD 115KV	2.9	-0.1462	MIDW	KNOLL 115KV	42.14067	0.01661	-0.16281	8
MIDW	Yions 115kv	999	-0.16166	OKGKE	AES 161KV	320	-0.00019	-0.16147	8
MIDW	Yions 115kv	999	-0.16166	EMDE	ASBURY 161KV	191	0.00004	-0.16305	8
MIDW	Yions 115kv	999	-0.16166	KACP	BULL CREEK 161KV	308	0.0115	-0.16116	8
MIDW	Yions 115kv	999	-0.16166	OKGKE	CENTENIAL WIND 34KV	16	-0.0009	-0.16078	8
MIDW	Yions 115kv	999	-0.16166	WERE	CHANUTE 69KV	56.037	-0.00006	-0.16116	8
MIDW	Yions 115kv	999	-0.16166	WEPL	CHARRON RIVER 115KV	11.55588	-0.00834	-0.15338	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16096	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.16168	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.16152	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.16168	8
MIDW	Yions 115kv	999	-0.16166	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.16226	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF MULVANE 69KV	8.29	-0.00089	-0.16077	8
MIDW	Yions 115kv	999	-0.16166	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.16093	8
MIDW	Yions 115kv	999	-0.16166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00002	-0.16168	8
MIDW	Yions 115kv	999	-0.16166	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16137	8
MIDW	Yions 115kv	999	-0.16166	MIDW	COLBY 115KV	13.23441	-0.00131	-0.16035	8
MIDW	Yions 115kv	999	-0.16166	AEPW	COMANCHE 138KV	145	-0.00094	-0.16072	8
MIDW	Yions 115kv	999	-0.16166	AEPW	COMANCHE 69KV	60	-0.00093	-0.16073	8
MIDW	Yions 115kv	999	-0.16166	AEPW	EASTMAN 138KV	355	-0.00024	-0.16142	8

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

MIDW	Yorns 115kV	999	-0.16166	EMDE	LARUSSELL 161KV	100	0.00002	-0.16168	8
MIDW	Yorns 115kV	999	-0.16166	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00106	-0.16061	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	LEBROCK 345KV	465	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.16144	8
MIDW	Yorns 115kV	999	-0.16166	KACP	MARSHALL 161KV	15	0.00046	-0.16212	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	KACP	MONTROSE 161KV	357.15233	0.00062	-0.16228	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.16141	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16138	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSTANG 138KV	351	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	MUSTANG 69KV	90	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NARROWS 69KV	22	-0.00029	-0.16137	8
MIDW	Yorns 115kV	999	-0.16166	KACY	NEARMAN 161KV	77	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	KACY	NEARMAN 20KV	235	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	NEVADA 69KV	18.3	0.00044	-0.1621	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NORTHEASTERN STATION 138KV	498	-0.00022	-0.16144	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16146	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	OC 345KV	269	-0.00025	-0.16141	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16167	8
MIDW	Yorns 115kV	999	-0.16166	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.1623	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	KACY	QUINDARO 161KV	118.0031	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	KACY	QUINDARO 69KV	116.1852	0.00101	-0.16267	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.16229	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	REDDUB 345KV	150	-0.00054	-0.16112	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	RIVERTON 161KV	136.8296	-0.00063	-0.16103	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.16165	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.16108	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.16109	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SIBLEY 161KV	230.2451	0.00078	-0.16244	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16247	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16104	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOONER 138KV	535	-0.00056	-0.1611	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOONER 345KV	537	-0.00057	-0.16109	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.16103	8
MIDW	Yorns 115kV	999	-0.16166	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16226	8
MIDW	Yorns 115kV	999	-0.16166	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.15786	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.16073	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00063	-0.16073	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SPGCK182 13.200 345KV	60	-0.0006	-0.16106	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	SPGCK384 13.200 345KV	60	-0.0006	-0.16106	8
MIDW	Yorns 115kV	999	-0.16166	EMDE	STATE LINE 161KV	500	-0.00001	-0.16165	8
MIDW	Yorns 115kV	999	-0.16166	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.16705	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	TRINER 69 138KV	10	-0.0002	-0.16106	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.16138	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.1605	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WELSH 345KV	1044	-0.00026	-0.1614	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WILKES 138KV	424.129	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	AEPW	WILKES 345KV	308	-0.00024	-0.16142	8
MIDW	Yorns 115kV	999	-0.16166	OKGE	WOODWARD 24KV	10	-0.0009	-0.16076	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	'A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14616	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	CLIFTON 115KV	65	-0.01295	-0.15006	9
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 115KV	235	-0.00063	-0.16103	9
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23775	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.14291	9
MIDW	Yorns 115kV	999	-0.16166	WEPL	'A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14481	9
MIDW	Yorns 115kV	999	-0.16166	WEPL	CLIFTON 115KV	65	-0.01295	-0.14871	9
WERE	ABLENE ENERGY CENTER 115KV	6.889793	-0.35821	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.23775	-0.12046	11
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIDW	KNOLL 115KV	42.14087	0.0166	-0.1596	11
MIDW	Yorns 115kV	999	-0.09505	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.11892	11
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.10591	12
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	AES 161KV	320	-0.00019	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	ASBURY 161KV	191	-0.00019	-0.09509	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	BULL CREEK 161KV	308	0.00115	-0.0962	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	CHANUTE 69KV	56.037	-0.00006	-0.09499	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	CITY OF BURLINGTON 69KV	10048.25	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.0006	-0.09565	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00031	-0.09573	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	COGENTRIX 345KV	200	-0.00029	-0.09476	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	EASTMAN 138KV	355	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	ELK RIVER 345KV	149.9956	-0.00028	-0.09477	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	ELLIS 69KV	150	-0.00019	-0.09467	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00063	-0.09598	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	FITZHUGH 161KV	85	-0.00016	-0.09489	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.09491	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	GREENWOOD 161KV	247.8	0.00065	-0.0957	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	HAWTHORN 161KV	762	0.0009	-0.09526	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	HOLTON 115KV	12.2	0.00015	-0.0952	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	IATAN 345KV	396	0.00217	-0.09722	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01093	-0.09698	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	KNOWLES 138KV	234	-0.00023	-0.09641	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	LACYNE UNIT 345KV	958	0.00053	-0.09558	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	LAKE ROAD 161KV	85.13184	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	LAKE ROAD 34KV	92	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	LARUSSELL 161KV	100	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	LEBROCK 465KV	465	-0.00002	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	LIEBERMAN 138KV	13.09399	-0.00022	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	MARSHALL 161KV	15	0.00046	-0.09551	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	MONTROSE 161KV	357.15233	0.00062	-0.09567	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.09498	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.09477	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NARROWS 69KV	22	-0.00029	-0.09476	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	NEARMAN 161KV	77	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	NEARMAN 20KV	235	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	NEVADA 69KV	18.3	0.00044	-0.09549	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NORTHEASTERN STATION 138KV	498	-0.00022	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	OC 345KV	269	-0.00025	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	EMDE	OZARK BEACH 161KV	16	0.00001	-0.09568	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.09569	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	QUINDARO 161KV	118.0031	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACY	QUINDARO 69KV	116.1852	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.09568	13
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	REDDUB 345KV	150	-0.00054	-0	

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

WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.09442	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.09125	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	SOUTHWESTERN STATION 138KV	287	-0.0093	-0.09412	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	SOUTHWESTERN STATION 138KV	772	-0.0093	-0.09412	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	SPGCK1&2 13.200 345KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	SPGCK3&4 13.200 345KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.0041	-0.09044	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	TINER 66 138KV	60	-0.0006	-0.09445	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.09389	14
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	OKGE	WOODWARD 24KV	10	-0.0009	-0.09415	14
WEPL	JUDSON LARGE 115KV	5,325,257	-0.011	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.09366	14
AEPW	ARSENAL HILL 69KV	110	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08688	15
EMDE	ASBURY 161KV	20	0.00004	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08262	15
WERE	CHANUTE 69KV	24,563	-0.00006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08272	15
WERE	CITY OF AUGUSTA 69KV	17.94	-0.0007	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08336	15
WERE	CITY OF BURLINGTON 69KV	13.7	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	CITY OF ERIE 69KV	24,633	-0.00006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08272	15
WERE	CITY OF FREDONIA 69KV	7,104	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0828	15
WERE	CITY OF GIRARD 69KV	7.1	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	CITY OF IOLA 69KV	42,878	0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08265	15
WERE	CITY OF MILVAUE 69KV	7.5	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08355	15
WERE	CITY OF NEODESHA 69KV	6,738	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0828	15
WERE	CITY OF WINFIELD 69KV	13,68999	-0.00073	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08339	15
AEPW	COGENTRIX 345KV	694	-0.00029	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08295	15
MIDW	DOLBY 115KV	11,76558	-0.00131	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08397	15
AEPW	COMANCHE 138KV	15	-0.00094	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08388	15
AEPW	EASTMAN 138KV	130,011	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0829	15
AEPW	ELLIS 69KV	20	-0.00018	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08284	15
WERE	EVANS ENERGY CENTER 138KV	53	-0.00066	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08332	15
AEPW	FITZ HUGH 161KV	41	-0.00016	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08262	15
AEPW	FLINT CREEK 161KV	28	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0828	15
AEPW	FULTON 115KV	32,99999	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08286	15
WERE	GETTY 69KV	35	-0.00073	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08339	15
WERE	GILL ENERGY CENTER 138KV	84,99999	-0.00143	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08409	15
WERE	GILL ENERGY CENTER 69KV	48	-0.00122	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08388	15
WERE	HOLTEN 115KV	7.6	0.00015	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08251	15
OKGE	HORSESHOE LAKE 138KV	64	-0.00058	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08324	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	CHARRON RIVER 115KV	11,55598	-0.0034	-0.08671	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01088	-0.08407	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166,9757	-0.0079	-0.08256	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	HARPER 138KV	8.49	-0.00938	-0.08567	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	JUDSON LARGE 115KV	97,46774	-0.011	-0.08405	15
AEPW	KIOWA 345KV	1348	-0.00051	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08317	15
AEPW	KNOXLEE 138KV	138	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
EMDE	LARUSSEL 161KV	196	0.00002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08264	15
WERE	LAWRENCE ENERGY CENTER 230KV	36,75595	-0.00105	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08371	15
AEPW	LEBRONCK 345KV	232	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0829	15
AEPW	LIEBERMAN 138KV	236,308	-0.00022	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08291	15
OKGE	MCLAIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
AEPW	MID-CONTINENT 138KV	142,111	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08285	15
OKGE	MUSKOGEE 345KV	17	-0.00028	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08294	15
OKGE	MUSTANG 138KV	48	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
OKGE	MUSTANG 69KV	15,99999	-0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08328	15
AEPW	NORTH MARSHALL 69KV	5	-0.00023	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08289	15
AEPW	NORTHEASTERN STATION 138KV	19,99997	-0.00022	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08288	15
AEPW	NORTHEASTERN STATION 345KV	19,99997	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08286	15
AEPW	OEC 345KV	1878,03	-0.0004	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08291	15
AEPW	PIRKEY GENERATION 138KV	35	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0829	15
OKGE	REDBUD 345KV	1050	-0.00054	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0832	15
MIDW	ISS 115KV	999	-0.00023	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08289	15
EMDE	RIVERTON 161KV	149,1704	-0.0001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08267	15
EMDE	RIVERTON 69KV	25,94523	-0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08267	15
OKGE	SEMINOLE 138KV	61,91107	-0.00058	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08324	15
OKGE	SEMINOLE 345KV	10,60004	-0.00057	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08323	15
OKGE	SOONER 138KV	5	-0.00056	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08322	15
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08281	15
WERE	SOUTH SENECA 115KV	8.2	-0.0038	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08646	15
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08359	15
AEPW	SOUTHWESTERN STATION 138KV	290	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08359	15
OKGE	SPGCK1&2 13.200 345KV	18	-0.0006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08325	15
OKGE	SPGCK3&4 13.200 345KV	18	-0.0006	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08325	15
EMDE	STATE LINE 161KV	108	-0.00001	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08267	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00461	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08727	15
WERE	TECUMSEH ENERGY CENTER 69KV	411	-0.00512	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08778	15
AEPW	TONTI TOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08281	15
AEPW	TULSA POWER STATION 69KV	80	-0.00028	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08294	15
WERE	WACO 138KV	30	-0.00135	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08401	15
AEPW	WEELETKA 138KV	162	-0.00039	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08305	15
AEPW	WILKES 138KV	38,87097	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08269	15
MIPU	ARIES 161KV	594,9885	0.00064	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08202	16
KACP	BULL CREEK 161KV	105	0.00115	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08151	16
KACP	EMPORIA ENERGY CENTER 345KV	283	0.00093	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08173	16
KACP	GARDNER 161KV	11	0.00113	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08153	16
KACP	HAYTHORN 161KV	99	0.00091	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08175	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.01685	-0.0782	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.09505	WEPL	CLIFTON 115KV	65	-0.01295	-0.0821	16
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00193	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08073	16
KACY	KAWI 69KV	243	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
MIPU	LAKE ROAD 161KV	30,86816	0.00111	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08155	16
KACP	MARSHALL 161KV	39.1	0.00046	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0822	16
KACP	MONROSE 161KV	23,84769	0.00062	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08204	16
KACP	NORTHEAST 13KV	277	0.00096	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0817	16
KACP	NORTHEAST 161KV	277	0.00096	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0817	16
KACP	PAOLA COMBUSTION TURBINES 161KV	13,51685	0.00064	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08202	16
KACY	QUINDARO 161KV	118,9969	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
KACY	QUINDARO 69KV	60,81482	0.00101	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08165	16
MIPU	SIBLEY 161KV	19,75486	0.00078	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08168	16
MIPU	TWA 161KV	32.1	0.00109	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.08157	16
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01086	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.0718	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09505	-0.06796	19
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.06817	19
MIDW	KNOLL 115KV	33,78333	0.01681	WERE	SMOKEY HILLS 34KV	177	0.08266	-0.06925	19
MIDW	YONS 115KV	999	-0.16166	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.09505		

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

Source	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)				
MIDW	paawee 115kv	999	-0.03626	KACP	MARSHALL 161KV	15	0.00046	-0.03672	35
MIDW	paawee 115kv	999	-0.03626	KACP	MONTROSE 161KV	357.1523	0.00062	-0.03688	35
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 161KV	166	-0.00025	-0.03601	35
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.03598	35
MIDW	paawee 115kv	999	-0.03626	AEPW	NARROWS 69KV	22	-0.00029	-0.03597	35
MIDW	paawee 115kv	999	-0.03626	MIPU	NEVADA 69KV	18.3	0.00044	-0.0367	35
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHEASTERN STATION 138KV	488	-0.00022	-0.03604	35
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHERN STATION 345KV	625	-0.0002	-0.03601	35
MIDW	paawee 115kv	999	-0.03626	AEPW	DEC 345KV	269	-0.00025	-0.03601	35
MIDW	paawee 115kv	999	-0.03626	EMDE	OZARK BEACH 161KV	16	0.00001	-0.03627	35
MIDW	paawee 115kv	999	-0.03626	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00064	-0.03689	35
MIDW	paawee 115kv	999	-0.03626	AEPW	PIRKEY GENERATION 138KV	253	-0.00024	-0.03602	35
MIDW	paawee 115kv	999	-0.03626	MIPU	RALPH GREEN 69KV	71.7	0.00063	-0.03689	35
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 161KV	135.8296	-0.00001	-0.03625	35
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 69KV	42.0547	-0.00001	-0.03625	35
MIDW	paawee 115kv	999	-0.03626	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.03686	35
MIDW	paawee 115kv	999	-0.03626	EMDE	STATE LINE 161KV	500	-0.00001	-0.03625	35
MIDW	paawee 115kv	999	-0.03626	AEPW	TULSA POWER STATION 138KV	299	-0.00028	-0.03598	35
MIDW	paawee 115kv	999	-0.03626	AEPW	WELSH 345KV	1044	-0.00026	-0.036	35
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 138KV	424.129	-0.00024	-0.03602	35
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 345KV	308	-0.00024	-0.03602	35
MIDW	paawee 115kv	999	-0.03626	OKGE	CENTENIAL WIND 34KV	16	-0.0009	-0.03536	36
MIDW	paawee 115kv	999	-0.03626	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.03556	36
MIDW	paawee 115kv	999	-0.03626	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00073	-0.03553	36
MIDW	paawee 115kv	999	-0.03626	AEPW	COMANCHE 138KV	145	-0.00094	-0.03532	36
MIDW	paawee 115kv	999	-0.03626	OKPW	COMANCHE 69KV	60	-0.00082	-0.03533	36
MIDW	paawee 115kv	999	-0.03626	WERE	EVANS ENERGY CENTER 138KV	520	-0.00066	-0.0356	36
MIDW	paawee 115kv	999	-0.03626	OKGE	FPLWIND2 34KV	26	-0.00091	-0.03535	36
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.03504	36
MIDW	paawee 115kv	999	-0.03626	OKGE	HORSESHOE LAKE 138KV	796	-0.00058	-0.03568	36
MIDW	paawee 115kv	999	-0.03626	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.03569	36
MIDW	paawee 115kv	999	-0.03626	WERE	LAWRENCE ENERGY CENTER 230KV	232.244	-0.00105	-0.03521	36
MIDW	paawee 115kv	999	-0.03626	OKGE	MCCLELLAN 138KV	470	-0.00062	-0.03564	36
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSTANG 138KV	351	-0.00062	-0.03564	36
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSTANG 69KV	90	-0.00062	-0.03564	36
MIDW	paawee 115kv	999	-0.03626	OKGE	REDDUB 345KV	150	-0.00054	-0.03572	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 138KV	443.089	-0.00058	-0.03568	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 345KV	1019	-0.00057	-0.03569	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SMITH COGEN 138KV	37	-0.00062	-0.03564	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 138KV	535	-0.00056	-0.0357	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 345KV	537	-0.00057	-0.03569	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SOUTH 4TH ST 69KV	37	-0.00063	-0.03563	36
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00093	-0.03533	36
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00093	-0.03533	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SPGCK182 13.200 345KV	60	-0.0006	-0.03566	36
MIDW	paawee 115kv	999	-0.03626	OKGE	SPGCK384 13.200 345KV	60	-0.0006	-0.03566	36
MIDW	paawee 115kv	999	-0.03626	OKGE	TINKER SG 138KV	60	-0.0006	-0.03566	36
MIDW	paawee 115kv	999	-0.03626	OKGE	WEATHERFORD 34KV	12	-0.01116	-0.0361	36
MIDW	paawee 115kv	999	-0.03626	MIDW	COLBY 115KV	13.23441	-0.00131	-0.03495	37
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.03483	37
MIDW	paawee 115kv	999	-0.03626	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.03165	40

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

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

Upgrade: Summit - NE Saline 115 KV
Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
Flowgate: 2007AG1AFS41T1743208SP
Date Redispatch Needed: 6/1/08 - 10/1/08
Season Flowgate Identified: 2008 Summer Peak

Reservoir	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.2	1.2	WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	A.M. MULLERGEN GENERATOR 115KV	63	-0.00365	-0.36223	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	AES 161KV	325	-0.00011	-0.36847	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	ASBURY 161KV	191	-0.00011	-0.36847	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	BULL CREEK 161KV	308	0.00056	-0.36914	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CENTENIAL WIND 34KV	16	-0.0004	-0.36818	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CHANUTE 69KV	66.037	-0.00021	-0.36837	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CHAMARRON RIVER 115KV	11.55586	-0.00244	-0.36814	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.36782	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.36833	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF ERIE 69KV	2	-0.00021	-0.36837	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.36831	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.36843	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.36879	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.36778	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.36794	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	QUITTON 115KV	15	-0.01278	-0.3558	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.36833	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	COGENTRIX 345KV	200	-0.00021	-0.36837	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	MIDW	COLBY 115KV	13.77191	0.00323	-0.37181	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	COMANCHE 138KV	145	-0.00038	-0.3682	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	COMANCHE 69KV	60	-0.00038	-0.3682	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	EASTMAN 138KV	355	-0.00013	-0.36845	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.36817	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	ELLIS 69KV	6	-0.00014	-0.36844	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	EMPORIA ENERGY CENTER 345KV	150	0.0003	-0.36862	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.3679	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	FITZHUGH 161KV	85	-0.00012	-0.36846	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.36843	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	FPLWIND2 34KV	26	-0.00091	-0.03535	36
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.36745	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.36758	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.3645	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00275	-0.36853	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	HARPER 161KV	247.8	0.00014	-0.36872	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HARPER 161KV	8.49	-0.00567	-0.36291	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	HAWTHORN 161KV	762	0.00041	-0.36899	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HOLTON 115KV	12.2	-0.00083	-0.36775	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.36827	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	IATAN 345KV	396	0.0015	-0.37008	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	3
			WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	540</			

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

WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	QUINDARO 161KV	118.0116	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	QUINDARO 69KV	116.1758	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.36887	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	REDBUD 345KV	150	-0.00031	-0.36827	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	RIVERTON 69KV	42.58269	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SEMINOLE 138KV	443.1797	-0.00003	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SEMINOLE 345KV	1010	-0.00003	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.36889	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.44487	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOONER 138KV	535	-0.00036	-0.36822	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOONER 345KV	537	-0.00036	-0.36822	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.36823	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SOUTH HARPER 161KV	315	0.00006	-0.36863	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	SOUTH SENECA 115KV	8.5	-0.00423	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.36823	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.36823	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SPGCK384 13 200 345KV	60	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SPGCK384 13 200 345KV	60	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	STATE LINE 161KV	532	-0.00011	-0.36847	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.36276	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	TINKER SG 138KV	60	-0.00032	-0.36826	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.36837	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WELSH 345KV	1044	-0.00014	-0.36844	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WILKES 138KV	424.0341	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WILKES 345KV	308	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	WOODWARD 24KV	308	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.30049	4
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.30065	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIDW	KNOLL 115KV	42.14067	0.02227	-0.26744	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.32655	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	A M MULLENGREN GENERATOR 115KV	63	-0.00026	-0.24386	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	AES 161KV	320	-0.00014	-0.24503	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	ASBURY 161KV	191	-0.00011	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	BULL CREEK 161KV	308	0.00056	-0.24573	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	CENTENAL WIND 34KV	16	-0.0004	-0.24477	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CHAMUTE 69KV	56.037	-0.00021	-0.24495	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	CHARRON RIVER 115KV	11.55588	-0.00244	-0.24273	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.24441	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF ERIE 24KV	2	-0.0002	-0.24386	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.24449	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.24538	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF MARYLAND 69KV	7.29	-0.0003	-0.24473	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.24453	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	CLIFTON 115KV	65	-0.01278	-0.23239	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COGENTRIX 345KV	200	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COLEY 115KV	13.17791	0.00015	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COMANCHE 138KV	145	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COMANCHE 69KV	60	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	EASTMAN 138KV	355	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	EUK RIVER 345KV	149.9956	-0.00041	-0.24476	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	ELLIS 69KV	150	0.00004	-0.24521	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	EMPORIA ENERGY CENTER 345KV	520	-0.00068	-0.24449	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	FITZHUGH 161KV	85	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	FUNT CREEK 161KV	400	-0.00015	-0.24502	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	FPLWIND2 34KV	26	-0.0004	-0.24477	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.24405	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	GILL ENERGY CENTER 69KV	52	-0.0001	-0.24417	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00048	-0.24107	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00023	-0.24343	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	GREENWOOD 161KV	247.8	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	HARPER 138KV	8.49	-0.00567	-0.2395	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	HAWTHORN 161KV	762	0.00041	-0.24558	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	HOLTON 115KV	1.12	-0.0006	-0.24426	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	IATAN 345KV	396	0.0015	-0.24667	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.24537	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	JEFFREY ENERGY CENTER 345KV	171	0.00013	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	JUDSON LARGE 115KV	97.50363	-0.0041	-0.24107	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	KNOXLEE 138KV	284	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	LACYNE UNIT 345KV	958	0.00006	-0.24523	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	LAKE ROAD 161KV	85.14417	0.00072	-0.24589	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	LAKE ROAD 34KV	92	0.00072	-0.24589	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	LARUSSELL 161KV	100	-0.00009	-0.24508	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.00021	-0.24307	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	LEBROCK 345KV	465	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	LIEBERMAN 138KV	13,030.99	0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	MARSHALL 161KV	15	0.00018	-0.24535	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	MCCLELLAN 138KV	470	-0.00032	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	MONTROSE 161KV	357.3008	0.00017	-0.24534	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	MUSKOGEE 161KV	1548	-0.00013	-0.24488	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	MUSTANG 138KV	351	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	MUSTANG 69KV	90	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	NARROWS 69KV	22	-0.00016	-0.24501	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACY	NEARMAN 161KV	77	0.00045	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACY	NEARMAN 20KV	235	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	NEVADA 69KV	18.3	0.00008	-0.24525	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	NORTHEASTERN STATION 138KV	498	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24488	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	OEC 345KV	269	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.2451	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACY	QUINDARO 161KV	118.0116	0.00044	-0.36887	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACY	QUINDARO 69KV	116.1758	0.00044	-0.36887	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.36825	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	REDBUD 345KV	150	-0.00031	-0.36826	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.36846	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	RIVERTON 69KV	42.58269	-0.00012	-0.36846	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	SEMINOLE 138KV	443.1797	-0.00003	-0.36827	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	SEMINOLE 345KV	1019	-0.00003	-0.36827	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.36889	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	SOONER 1				

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

MIDW	Ycons 115kv	999	-0.12251	MIDW	KNOLL 115KV	42.14067	0.02227	-0.14478	8
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	COLBY 115KV	13.17791	0.00323	-0.1263	9
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00014	-0.1321	9
MIDW	Ycons 115kv	999	-0.12251	MIDW	COLBY 115KV	13.17791	0.00323	-0.12574	9
MIDW	Ycons 115kv	999	-0.12251	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00014	-0.13165	9
WERE	ABILENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.24517	-0.12341	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.11672	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	AES 161KV	320	-0.00014	-0.12321	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ASBURY 161KV	191	-0.00011	-0.12296	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	BULL CREEK 161KV	308	0.00056	-0.12363	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.12267	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CHANUTE 69KV	56.037	-0.00021	-0.1223	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00244	-0.12063	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12231	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.12282	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.12293	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.12272	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF MULVANA 69KV	8.29	-0.0008	-0.12277	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12243	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.12282	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COGENTRIX 345KV	200	-0.00021	-0.12236	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 138KV	145	-0.00038	-0.12269	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 69KV	60	-0.00038	-0.12269	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	EASTMAN 138KV	355	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.12266	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	ELLIS 69KV	6	-0.00014	-0.12237	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.12311	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.12239	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	FITZTUGH 161KV	85	-0.00012	-0.12295	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	FLINT CREEK 161KV	400	-0.00015	-0.12236	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	FRLWND2 34KV	26	-0.0004	-0.12267	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12139	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12207	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.11899	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00275	-0.11976	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	GREENWOOD 161KV	247.8	0.00014	-0.12321	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	HARPER 138KV	8.49	-0.00567	-0.1174	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	HAWTHORN 161KV	762	0.00041	-0.12348	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HOLTON 115KV	12.2	-0.00083	-0.12224	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.12276	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	IATAN 345KV	396	0.0015	-0.12457	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 230KV	970	0.0002	-0.12327	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	JUDSON LARGE 115KV	97.50393	-0.0041	-0.11841	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	KNOXLEE 138KV	284	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.12313	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	LAKE ROAD 161KV	85.14417	0.00072	-0.12379	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	LAKE ROAD 34KV	100	0.00072	-0.12379	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	LARUSSELL 161KV	100	-0.00009	-0.12298	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.12097	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	LEBROCK 345KV	465	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	LIEBERMAN 138KV	13.03939	-0.00012	-0.12295	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MARSHALL 161KV	15	-0.00015	-0.12265	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MCCLEIN 138KV	470	-0.00032	-0.12275	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MONTROSE 161KV	357.3008	0.00017	-0.12324	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.12288	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSTANG 138KV	351	-0.00013	-0.12274	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSTANG 69KV	90	-0.00033	-0.12274	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NARROWS 69KV	22	-0.00044	-0.12291	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	NEARMAN 161KV	77	0.00044	-0.12351	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	NEARMAN 20KV	226	0.00044	-0.12351	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	NEVADA 69KV	18.3	0.00008	-0.12315	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 138KV	488	-0.0002	-0.12287	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12288	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	OREG 345KV	269	-0.0002	-0.12287	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	OZARK BEACH 161KV	6	-0.00007	-0.12123	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.12321	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	QUINDARO 161KV	118.0116	0.00044	-0.12351	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	QUINDARO 69KV	116.1758	0.00044	-0.12351	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	RALPH GREEN 69KV	71.7	0.00012	-0.12319	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	REBUD 345KV	150	-0.00031	-0.12276	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.12295	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 69KV	445.2868	-0.00012	-0.12295	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 138KV	582.1737	-0.0003	-0.12271	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 345KV	1019	-0.0003	-0.12277	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SIBLEY 161KV	230.1187	0.00031	-0.12338	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SIBLEY 69KV	45.99999	0.00033	-0.12334	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SMITH COGEN 138KV	107	-0.0003	-0.12274	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOONER 138KV	535	-0.00036	-0.12271	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOONER 345KV	537	-0.00036	-0.12271	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.12269	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SOUTH HARPER 161KV	315	0.00005	-0.12292	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SOUTH SENECA 115KV	8	-0.00023	-0.11844	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.12269	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 345KV	772	-0.00038	-0.12269	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK182 13 200 345KV	60	-0.00033	-0.12274	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK344 13 200 345KV	60	-0.00033	-0.12274	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	STATE LINE 161KV	532	-0.00011	-0.12296	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11725	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	TINKER SG 138KV	60	-0.00032	-0.12275	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.12286	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WEATHERFORD 34KV	10	-0.00014	-0.12237	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WELSH 345KV	1044	-0.00014	-0.12293	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 138KV	424.0341	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 345KV	308	-0.00013	-0.12294	10
WERE	BPDU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	WOODWARD 24KV	10	-0.0003	-0.12267	10
MIDW	Ycons 115kv	999	-0.12251	WERE	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.11616	10
MIDW	Ycons 115kv	999	-0.12251	OKGE	AES 161KV	320	-0.00014	-0.12237	10
MIDW	Ycons 115kv	999	-0.12251	EMDE	ASBURY 161KV	191	-0.00011	-0.1224	10
MIDW	Ycons 115kv	999	-0.12251	KACP	BULL CREEK 161KV	308	0.00056	-0.12307	10
MIDW	Ycons 115kv	999	-0.12251	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.12211	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CHANUTE 69KV	56.037	-0.00021	-0.1223	10
MIDW	Ycons 115kv	999	-0.12251	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00244	-0.12007	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12175	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.12226	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.12237	10
MIDW	Ycons 115kv	999	-0.12251	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.12272	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CITY OF MULVANA 69KV	8.29	-0.0008	-0.12171	10
MIDW	Ycons 115kv	999	-0.12251	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12187	10
MIDW	Ycons 115kv	999	-0.12251	AEPW	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.12226	10

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

MIDW	Yorns 115kV	999	-0.12251	MIPU	LAKE ROAD 345KV	85.14417	0.00072	-0.12323	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	LAKE ROAD 345KV	92	0.00072	-0.12323	10
MIDW	Yorns 115kV	999	-0.12251	EMDE	LARUSSEL 161KV	100	-0.00038	-0.12242	10
MIDW	Yorns 115kV	999	-0.12251	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.12041	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	LEBROCK 345KV	465	-0.00013	-0.12238	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	LIEBERMAN 138KV	13.09399	-0.00012	-0.12239	10
MIDW	Yorns 115kV	999	-0.12251	KACP	MARSHALL 161KV	15	0.00018	-0.12269	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	MCCLAIN 138KV	470	-0.00032	-0.12269	10
MIDW	Yorns 115kV	999	-0.12251	KACP	MONROSE 161KV	357.3008	0.00017	-0.12268	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.12232	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12231	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	MUSTANG 138KV	351	-0.00033	-0.12218	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	MUSTANG 69KV	90	-0.00033	-0.12218	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	NARROWS 69KV	22	-0.00016	-0.12235	10
MIDW	Yorns 115kV	999	-0.12251	KACY	NEARMAN 161KV	77	0.00044	-0.12295	10
MIDW	Yorns 115kV	999	-0.12251	KACY	NEARMAN 20KV	235	0.00044	-0.12295	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	NEYADA 69KV	18.3	0.00008	-0.12259	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	NORTHEAST STATION 138KV	488	-0.0002	-0.12231	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12232	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	OEC 345KV	269	-0.0002	-0.12231	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	OZARK BEACH 161KV	16	-0.00007	-0.12244	10
MIDW	Yorns 115kV	999	-0.12251	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.12265	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.12238	10
MIDW	Yorns 115kV	999	-0.12251	KACY	QUINDARO 161KV	118.0116	0.00044	-0.12295	10
MIDW	Yorns 115kV	999	-0.12251	KACY	QUINDARO 69KV	116.1758	0.00044	-0.12295	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	RALPH GREEN 69KV	7.117	0.00001	-0.12263	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	REBUD 345KV	150	-0.00031	-0.1222	10
MIDW	Yorns 115kV	999	-0.12251	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.12239	10
MIDW	Yorns 115kV	999	-0.12251	EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.12239	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.12221	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SEMINOLE 345KV	1019	-0.0003	-0.12221	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.12282	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.12284	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12218	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SOONER 138KV	636	-0.00036	-0.12215	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SOONER 345KV	537	-0.00036	-0.12215	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.12213	10
MIDW	Yorns 115kV	999	-0.12251	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.12256	10
MIDW	Yorns 115kV	999	-0.12251	WERE	SOUTH SENECA 115KV	9.5	-0.00423	-0.11628	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00038	-0.12213	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.12213	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SPGCK1&2 13.200 345KV	60	-0.00033	-0.12218	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	SPGCK3&4 13.200 345KV	60	-0.00033	-0.12218	10
MIDW	Yorns 115kV	999	-0.12251	EMDE	STATE LINE 161KV	532	-0.0001	-0.12214	10
MIDW	Yorns 115kV	999	-0.12251	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11669	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	TINKER 5G 138KV	60	-0.00032	-0.12219	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.1223	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	WEATHERFORD 34KV	107	-0.00043	-0.12208	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	WELSH 345KV	1044	-0.00014	-0.12237	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	WILKES 138KV	424.0341	-0.00013	-0.12238	10
MIDW	Yorns 115kV	999	-0.12251	AEPW	WILKES 345KV	308	-0.00013	-0.12238	10
MIDW	Yorns 115kV	999	-0.12251	OKGE	WOODWARD 24KV	10	-0.0004	-0.12211	10
WERE	SPU- CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CLIFTON 115KV	65	-0.01278	-0.11029	11
WERE	Yorns 115kV	999	-0.12251	WEPL	CLIFTON 115KV	65	-0.01278	-0.10973	11
MIDW	Lawnee 115kV	999	-0.0226	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.10399	11
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	KNOLL 115KV	42.14067	0.02227	-0.09036	13
WEPL	CIMARRON RIVER 115KV	35.44412	-0.00244	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08383	14
WERE	CITY OF ALBUQUA 69KV	17.34	-0.00076	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08219	14
WERE	CITY OF MULVANE 69KV	7.5	-0.0008	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08219	14
WERE	CITY OF WINFIELD 69KV	13.68999	-0.00064	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08203	14
WERE	EVANS ENERGY CENTER 138KV	53	-0.00068	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08207	14
WERE	GETTY 69KV	35	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00112	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08251	14
WERE	GILL ENERGY CENTER 69KV	48	-0.001	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08239	14
WERE	HARPER 138KV	8.72	-0.00567	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08706	14
WEPL	HOLTON 115KV	7.6	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
WERE	JULSON LARGE 115KV	5.496368	-0.00041	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08240	14
WERE	LAWRENCE ENERGY CENTER 230KV	38.604	-0.0021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08349	14
WERE	SOUTH SENECA 115KV	8.2	-0.00423	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08562	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00582	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08721	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00637	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08776	14
WERE	WACO 138KV	30	-0.00107	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08246	14
MIPU	ARIES 161KV	594.9885	0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08127	15
AEPW	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACP	BULL CREEK 161KV	105	-0.00056	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08303	15
WERE	CHANUTE 69KV	24.563	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	15
WERE	CITY OF ERIE 69KV	24.53	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
WERE	CITY OF FREDONIA 69KV	7.104	-0.00027	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08166	15
WERE	CITY OF GIRARD 69KV	7.1	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
KACP	CITY OF HIGGINSVILLE 69KV	5.107727	0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08118	15
WERE	CITY OF IOLA 69KV	42.878	-0.00017	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08156	15
WERE	CITY OF NEODESHA 69KV	6.738	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	15
AEPW	COGENTRIX 345KV	694	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
MIDW	COLBY 115KV	11.82209	0.00323	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07816	15
AEPW	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
WERE	EMPORIA ENERGY CENTER 345KV	283	0.00004	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08135	15
AEPW	FITZHUGH 161KV	41	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	15
AEPW	FULTON 115KV	32.99999	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08165	15
KACP	HAWTHORN 161KV	39	0.00041	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08098	15
OKGE	HORSESHOE LAKE 138KV	64	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0817	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.07723	15
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
KACY	KAW 69KV	242	0.00045	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08094	15
AEPW	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08165	15
AEPW	KNOXLEE 138KV	139	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
MIPU	LAKE ROAD 161KV	30.85583	0.00072	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08067	15
EMDE	LARUSSEL 161KV	198	-0.00039	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08148	15
AEPW	LEBROCK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
AEPW	LIEBERMAN 138KV	236.906	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	LONE STAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
KACP	MARSHALL 161KV	39.1	-0.00018	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08121	15
OKGE	MCCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	15
AEPW	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08157	15
KACP	MONROSE 161KV	23.69917	0.00017	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08122	15
OKGE	MUSKOGEE 345KV	17	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
OKGE	MUSTANG 138KV	49	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
OKGE	MUSTANG 69KV	15.99999	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
AEPW	NORTH MARSHALL 69KV	5	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
KACP	NORTHEAST 13KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
KACP	NORTHEAST 161KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
AEPW	NORTHEASTERN STATION 138KV	19.99999	-0.0002	WERE	SMOKEY HILLS 34KV				

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

AEPW	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0818	15	
MIPU	TWA 161KV	32.1	0.00095	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08084	15	
AEPW	WELKES 138KV	163	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	15	
AEPW	WILKES 138KV	38.96598	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15	
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07225	16	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	AES 161KV	320	-0.00014	-0.06795	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	ASBURY 161KV	101	-0.00011	-0.06798	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	BULL CREEK 161KV	308	0.00056	-0.06793	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CHANUTE 69KV	56.037	-0.00021	-0.06788	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.06784	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.06883	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	COTTEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.06784	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COGENTRIX 345KV	200	-0.00021	-0.06788	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	COLBY 115KV	13.17791	0.00023	-0.07132	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	EASTMAN 138KV	355	-0.00013	-0.06796	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	ELLIS 69KV	6	-0.00014	-0.06795	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	EMPOIRA ENERGY CENTER 345KV	150	0.00004	-0.06813	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FITZUGH 161KV	85	-0.00012	-0.06797	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06794	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	GREENWOOD 161KV	247.8	0.00014	-0.06823	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	HAWTHORN 161KV	762	0.00041	-0.0685	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	IATAN 345KV	396	0.00015	-0.06959	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	KNOXLEE 138KV	284	-0.00013	-0.06796	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.06815	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	LAKE ROAD 161KV	85.1447	-0.00016	-0.06881	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	LAKE ROAD 34KV	92	0.00072	-0.06881	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	LARUSSELL 161KV	100	-0.00009	-0.068	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	LEBRONCK 345KV	465	-0.00013	-0.06796	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	LIEBERMAN 138KV	13.09397	488	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	MARSHALL 161KV	15	0.00018	-0.06827	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	MONTROSE 161KV	357.3008	0.00017	-0.06826	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	MUSKOGEE 161KV	166	-0.00019	-0.0679	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	MUSKOGEE 345KV	1548	-0.0002	-0.06789	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	NARROWS 69KV	22	-0.00016	-0.06793	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	NEARMAN 161KV	77	0.00044	-0.06853	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	NEARMAN 20KV	235	0.00044	-0.06853	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	NEVADA 69KV	18.3	0.00008	-0.06817	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	NORTHEASTERN STATION 138KV	409	-0.0002	-0.06789	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.0679	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	OEC 345KV	269	-0.0002	-0.06789	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06802	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	PAOLA COMBUSTION TURBINES 161KV	63.48015	0.00014	-0.06823	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	PIREY GENERATOR 138KV	293	-0.00013	-0.06786	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	QUINDARO 161KV	118.0116	0.00044	-0.06853	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	QUINDARO 69KV	118.1758	0.00044	-0.06853	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.06821	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	RIVERTON 161KV	138.6269	-0.00012	-0.06797	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.06797	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SEMINOLE 138KV	443.1797	-0.0003	-0.06779	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SEMINOLE 345KV	1019	-0.0003	-0.06779	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.06884	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	SIBLEY 69KV	45.99999	0.00023	-0.06842	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	SOUTH HARPER 161KV	515	0.00005	-0.06814	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	STATE LINE 161KV	532	-0.00011	-0.06798	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.06788	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WELSH 345KV	1044	-0.00014	-0.06795	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WILKES 138KV	424.0341	-0.00014	-0.06786	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WILKES 345KV	308	-0.00013	-0.06796	17	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	CENTRAL WIND 34KV	16	-0.0004	-0.06769	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	CHARRON RIVER 115KV	11.55588	-0.00244	-0.06565	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.06743	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.06729	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.06745	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COMANCHE 138KV	145	-0.00038	-0.06771	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COMANCHE 69KV	60	-0.00038	-0.06771	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	ELK RIVER 345KV	149.9056	0.00041	-0.06768	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.06741	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	FPLWIND2 34KV	26	-0.0004	-0.06769	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.06697	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.06709	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPARVILLE 230KV	166.9757	-0.00275	-0.06534	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	HOLTON 115KV	12.2	-0.00083	-0.06726	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.06778	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.06599	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	MCCLAIN 138KV	470	-0.00032	-0.06777	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	MUSTANG 138KV	351	-0.00033	-0.06776	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	MUSTANG 69KV	90	-0.00033	-0.06776	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	REDBUD 345KV	150	-0.0003	-0.06778	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SMITH COGEN 138KV	107	-0.00033	-0.06776	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SOONER 138KV	535	-0.00036	-0.06773	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SOONER 345KV	537	-0.00036	-0.06773	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.06771	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	297	-0.00038	-0.06771	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.06771	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SPGK182 13.200 345KV	60	-0.00033	-0.06776	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	SPGK384 13.200 345KV	60	-0.00033	-0.06776	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	TINAKER 69KV	11	-0.00032	-0.06773	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.06766	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OMGE	WOODWARD 24KV	10	-0.0004	-0.06769	18	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.06174	19	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	GRAY COUNTY WIND FARM 115KV	70	-0.04048	-0.06401	19	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	HARPER 138KV	81	-0.056	-0.05242	19	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	JUDSON LARGE 115KV	97.50363	-0.0041	-0.06399	19	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.06386	19	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.06227	19	
MIDW	KNOLL 115KV	33.78538	0.02227	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.05172	20	
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WELP	CLIFTON 115KV	65	-0.01278	-0.05531	21	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.05498	22	
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05514	22	
MIDW	tyons 115kv	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.05442	22	
MIDW	tyons									

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

WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WEPL	CLIFTON 115KV	65	-0.01278	-0.3558	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.36833	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	COGENTRY 345KV	200	-0.00021	-0.36837	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIDW	COLBY 115KV	13.17791	0.00323	-0.37181	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	COMANCHE 138KV	145	-0.00038	-0.3682	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	COMANCHE 69KV	60	-0.00038	-0.3682	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	EASTMAN 138KV	355	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	ELK RIVER 345KV	149.9956	0.0004	-0.36844	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	ELLIS 69KV	6	-0.00014	-0.36844	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.36862	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.3679	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	FITZHUGH 161KV	85	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.36843	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	FPLWIND2 34KV	26	-0.0004	-0.36818	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	GILL ENERGY CENTER 138KV	165	-0.00112	-0.36746	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	GILL ENERGY CENTER 69KV	52	-0.0001	-0.36758	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WEPL	GUY COUNTY WIND FARM 115KV	70	0.00408	-0.3545	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.977	-0.00275	-0.36583	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	GREENWOOD 161KV	247.8	0.00014	-0.36872	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WEPL	HARPER 138KV	8.49	-0.00567	-0.36291	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HAWTHORN 161KV	762	0.00041	-0.36699	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HOLTON 115KV	12.2	-0.00083	-0.36775	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	HORSESHOE LAKE 138KV	796	-0.00031	-0.36827	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	IATAN 345KV	396	0.00015	-0.37008	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00001	-0.36787	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00014	-0.37772	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WEPL	JUDSON LARGE 115KV	97.50363	-0.0041	-0.36448	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIDW	KNOLL 115KV	42.14067	0.02227	-0.39085	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	KNOXLEE 138KV	284	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	LACYGNE UNIT 345KV	956	0.00006	-0.36864	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	LAKE ROAD 161KV	85.14417	0.00072	-0.3693	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	LAKE ROAD 34KV	92	0.00072	-0.3693	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	LARUSSEL 161KV	100	-0.00009	-0.36849	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0001	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	LEBROCK 345KV	465	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	LIEBERMAN 138KV	13.03939	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	MARSHALL 161KV	15	0.00018	-0.36876	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	MCCLAIN 138KV	470	-0.00032	-0.36826	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACP	MONTROSE 161KV	357.3008	0.00017	-0.36875	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.36839	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	MUSTANG 138KV	351	-0.00033	-0.36835	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	MUSTANG 69KV	30	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	NARROWS 69KV	22	-0.00016	-0.36842	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	NEARMAN 161KV	77	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	NEARMAN 20KV	235	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	NEVADA 69KV	113	0.00033	-0.36866	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	NORTHEASTERN STATION 138KV	498	-0.0002	-0.36838	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.36839	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	OEC 345KV	269	-0.0002	-0.36838	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.36851	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	PAOLA COMBUSTION TURBINES 161KV	63.4823	0.00014	-0.36872	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	PIRKEY GENERATION 138KV	253	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	QUINDARO 161KV	118.0116	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	KACY	QUINDARO 69KV	116.1758	0.00044	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.36887	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	REDDUD 345KV	150	-0.00001	-0.36827	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SEMINOLE 345KV	1019	-0.0003	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SIBLEY 161KV	230.1187	0.00031	-0.36889	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.44997	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOONER 138KV	430	-0.00033	-0.36827	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOONER 345KV	537	-0.00036	-0.36822	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.3682	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.36863	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	SOUTH SENeca 115KV	8.5	-0.00023	-0.36835	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	297	-0.00058	-0.3683	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	SOUTHWESTERN STATION 345KV	772	-0.00038	-0.3682	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SPGCK182 13 200 345KV	60	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	SPGCK304 13 200 345KV	60	-0.00033	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	STATE LINE 161KV	53	-0.00011	-0.36847	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.36276	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	TINKER 5G 138KV	60	-0.00032	-0.36826	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.36837	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WEATHERFORD 34KV	10	-0.00043	-0.36815	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WELSH 345KV	1044	-0.00014	-0.36844	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WILKES 138KV	424.0341	-0.00013	-0.36845	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	OKGE	WOODWARD 24KV	308	-0.00013	-0.36818	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	AEPW	WOODWARD ENERGY CENTER 115KV	70	-0.0004	-0.36875	3
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	245	-0.08809	-0.32040	4
WERE	ABLENE ENERGY CENTER 115KV	36.67578	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.30065	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIDW	KNOLL 115KV	42.14067	0.02227	-0.26744	4
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.32656	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	A M MULLERGEN GENERATOR 115KV	63	-0.00386	-0.26863	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	AES 161KV	320	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	ASBURY 161KV	191	-0.00011	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	BULL CREEK 161KV	308	0.00056	-0.24573	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	OKGE	CENTRAL WIND 34KV	16	-0.0004	-0.24477	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CHANUTE 69KV	56.028	-0.0002	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WEPL	CHARRON RIVER 115KV	11.55588	-0.00244	-0.24273	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.24441	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.2449	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.24538	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF MULVANE 69KV	8.29	-0.0008	-0.24437	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.24453	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	CLIFTON 115KV	65	-0.01278	-0.23239	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COGENTRY 345KV	200	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	MIDW	COLBY 115KV	13.17791	0.00323	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COMANCHE 138KV	145	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	COMANCHE 69KV	60	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	EASTMAN 138KV	355	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.24476	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	AEPW	ELLIS 69KV	6	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517	WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0	

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	LIEBERMAN 138KV	13.09399	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACP	MARSHALL 161KV	15	0.00018	-0.24535	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	MCLAIN 138KV	470	-0.00032	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACP	MONTROSE 161KV	357.3008	0.00017	-0.24534	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	MUSKOGEE 161KV	166	-0.00019	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	MUSTANG 138KV	351	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	MUSTANG 69KV	90	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	NARROWS 69KV	22	-0.00016	-0.24501	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACY	NEARMAN 161KV	77	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACY	NEARMAN 20KV	235	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/MIPU	NEVADA 69KV	13.3	0.00008	-0.24526	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	NORTHEASTERN STATION 138KV	988	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	OEC 345KV	269	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/EMDE	OZARK BEACH 161KV	16	-0.00007	-0.2451	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACP	PAOLA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.24531	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	PIRKEY GENERATION 138KV	263	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACY	QUINDARO 161KV	118.0116	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/KACY	QUINDARO 69KV	116.1758	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.24529	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	REDBUD 345KV	150	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/EMDE	RIVERTON 161KV	135.8296	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SEMINOLE 345KV	1019	-0.00038	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/MIPU	SIBLEY 161KV	230.1187	0.00031	-0.24548	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/MIPU	SIBLEY 69KV	45.99999	0.00033	-0.2455	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SMITH COGEN 138KV	107	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SOONER 138KV	535	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SOONER 345KV	537	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/MIPU	SOUTH HARPER 161KV	315	0.00005	-0.24522	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.24094	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	SOUTHWESTERN STATION 138KV	1097	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	SOUTHWESTERN STATION 338KV	772	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SPGCK1&2 13.200 345KV	60	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	SPGCK3&4 13.200 345KV	60	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	STATE LINE 161KV	535	-0.00011	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.23935	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	TINKER 5G 138KV	60	-0.00032	-0.24485	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	WEATHERFORD 34KV	12	-0.00043	-0.24474	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	WELSH 345KV	104	-0.00011	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	WILKES 138KV	424.0341	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/AEPW	WILKES 345KV	308	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/OKGE	WOODWARD 24KV	10	-0.0004	-0.24477	5
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	SMOKEY HILLS 30KV	177	0.08139	-0.19127	6
WERE	ELLINWOOD 115KV	2.9	-0.10988/WERE	SMOKEY HILLS 34KV	177	0.08139	-0.19127	6
MIDW	lyons 115kv	999	-0.12251/WERE	SMOKEY HILLS 34KV	177	0.08139	-0.2039	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/WERE	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	-0.17708	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.24517/WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.17724	7
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIDW	KNOLL 115KV	42.14067	0.02227	-0.14634	8
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809/WERE	SMOKEY HILLS 34KV	177	0.08139	-0.14948	7
MIDW	lyons 115kv	999	-0.12251/MIDW	KNOLL 115KV	42.14067	0.02227	-0.14478	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIDW	COLBY 115KV	13.17791	0.00323	-0.1263	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13221	9
MIDW	lyons 115kv	999	-0.12251/MIDW	COLBY 115KV	13.17791	0.00323	-0.12674	9
MIDW	lyons 115kv	999	-0.12251/WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13165	9
WERE	ABELINE ENERGY CENTER 115KV	36.67578	-0.36858/WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.24517	-0.12341	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WELP	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.11672	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	AES 161KV	308	-0.00056	-0.12363	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/EMDE	ASBURY 161KV	191	-0.00011	-0.12296	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	BULL CREEK 161KV	308	0.00056	-0.12363	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	CENTENAL WIND 34KV	16	-0.0004	-0.12267	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CHANUTE 69KV	66.037	-0.00021	-0.12283	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	COMANCHE RIVER 115KV	11.55598	-0.0048	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12231	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.12282	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.12293	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	CITY OF HIGDONVILLE 69KV	30.89229	0.00021	-0.12529	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CITY OF MULVANE 69KV	8.25	-0.0008	-0.12521	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12243	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.12282	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	COGENTRIX 345KV	200	-0.00021	-0.12286	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	COMANCHE 138KV	145	-0.00038	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	COMANCHE 69KV	60	-0.00038	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	EASTMAN 138KV	355	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.12266	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	ELLIS 69KV	100	-0.00038	-0.12283	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	EMPORIA ENERGY CENTER 345KV	150	0.00004	-0.12311	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.12239	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	FITZHUGH 161KV	85	-0.00012	-0.12295	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	FLINT CREEK 161KV	400	-0.00015	-0.12379	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	FPL WIND 3 34KV	76	-0.0004	-0.12276	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12195	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12207	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WELP	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.11899	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9737	-0.02785	-0.12332	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIPU	GREENWOOD 161KV	247.8	0.00014	-0.12321	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WELP	HARPER 138KV	8.49	-0.00567	-0.1174	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	HAWTHORN 161KV	762	0.00041	-0.12348	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	HOLTON 115KV	12.2	-0.00083	-0.12224	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	HORSESHOE LAKE 138KV	703	0.00038	-0.12276	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	IATAN 345KV	396	0.0015	-0.12457	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.12327	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	JUDSON LAKE 115KV	97.50365	-0.0041	-0.12367	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	KNOLLEE 138KV	284	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	LACYGNE UNIT 345KV	968	0.00006	-0.12313	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIPU	LAKE ROAD 161KV	85.14417	0.00072	-0.12379	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIPU	LAKE ROAD 34KV	92	0.00072	-0.12379	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/EMDE	LARSEL 161KV	100	-0.00038	-0.12283	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	LAWRENCE ENERGY CENTER 230KV	230.396	-0.0021	-0.12097	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	LEBROCK 345KV	465	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	LIEBERMAN 138KV	13.09399	-0.00012	-0.12295	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	MARSHALL 161KV	15	0.00018	-0.12325	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	MCLAIN 138KV	470	-0.00032	-0.12275	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACP	MONTROSE 161KV	357.3008	0.00017	-0.12324	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	MUSKOGEE 161KV	166	-0.00019	-0.12288	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	MUSTANG 138KV	351	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/OKGE	MUSTANG 69KV	90	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	NARROWS 69KV	22	-0.00016	-0.12291	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACY	NEARMAN 161KV	77	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/KACY	NEARMAN 20KV	235	0.00044	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/MIPU	NEVADA 69KV	13.3	0.00008	-0.12315	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/AEPW	NORTHEASTERN STATION 138KV				

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.11884	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 138KV	297	-0.00389	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00389	-0.12269	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK182 13.200 345KV	60	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK384 13.200 345KV	60	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	STATE LINE 161KV	532	-0.00011	-0.12296	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11725	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	TINKER 5G 138KV	60	-0.00033	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.12286	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12264	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WELSH 345KV	1044	-0.00014	-0.12293	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 138KV	424.0341	-0.00013	-0.12268	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 345KV	308	-0.00013	-0.12294	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	WOODWARD 24KV	10	-0.0004	-0.12267	10
MIDW	Yvons 115KV	999	-0.12251	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.00635	-0.11616	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	AES 161KV	320	-0.00014	-0.12237	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	ASBURY 161KV	191	-0.00011	-0.1224	10
MIDW	Yvons 115KV	999	-0.12251	KACP	BULL CREEK 161KV	308	0.00056	-0.12307	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.12211	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CHANUTE 69KV	56.037	-0.00021	-0.1223	10
MIDW	Yvons 115KV	999	-0.12251	WEPL	CIMARRON RIVER 115KV	11.55588	-0.00244	-0.12007	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12175	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.12226	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CITY OF GIRARD 69KV	3	-0.00014	-0.12237	10
MIDW	Yvons 115KV	999	-0.12251	KACP	CITY OF HIGGINSVILLE 69KV	30.89227	0.00021	-0.12272	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CITY OF MULVANE 69KV	6.29	-0.0008	-0.12171	10
MIDW	Yvons 115KV	999	-0.12251	WERE	CITY OF WINFIELD 69KV	26.31001	-0.00064	-0.12167	10
MIDW	Yvons 115KV	999	-0.12251	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00025	-0.12228	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	COGENTRIX 345KV	200	-0.00021	-0.1223	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	COMANCHE 138KV	145	-0.00038	-0.12213	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	COMANCHE 69KV	60	-0.00038	-0.12213	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	EASTMAN 138KV	355	-0.00013	-0.12238	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	ELK RIVER 345KV	149.9956	-0.00041	-0.1221	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	ELLIS 69KV	6	-0.00014	-0.12237	10
MIDW	Yvons 115KV	999	-0.12251	WERE	EMPIRIA ENERGY CENTER 345KV	110	0.00004	-0.12265	10
MIDW	Yvons 115KV	999	-0.12251	WERE	EVANS ENERGY CENTER 138KV	520	-0.00068	-0.12183	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	FITZLUIGH 161KV	85	-0.00012	-0.12239	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.12236	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	FFLWIND2 34KV	26	-0.0004	-0.12211	10
MIDW	Yvons 115KV	999	-0.12251	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12139	10
MIDW	Yvons 115KV	999	-0.12251	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12151	10
MIDW	Yvons 115KV	999	-0.12251	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.11843	10
MIDW	Yvons 115KV	999	-0.12251	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9757	-0.00275	-0.11976	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	KNOWLES 161KV	241.8	0.00016	-0.12258	10
MIDW	Yvons 115KV	999	-0.12251	WEPL	HARPER 138KV	8.49	-0.00567	-0.11684	10
MIDW	Yvons 115KV	999	-0.12251	KACP	HAWTHORN 161KV	762	0.00041	-0.12292	10
MIDW	Yvons 115KV	999	-0.12251	WERE	HOLTON 115KV	12.2	-0.00083	-0.12168	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	HORSESHOE LAKE 138KV	706	-0.00033	-0.12212	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.1222	10
MIDW	Yvons 115KV	999	-0.12251	KACP	IATAN 345KV	396	0.0015	-0.12401	10
MIDW	Yvons 115KV	999	-0.12251	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.12271	10
MIDW	Yvons 115KV	999	-0.12251	WEPL	JUDSON LARGE 115KV	97.50393	-0.0041	-0.11841	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	KNOWLES 138KV	184	-0.00013	-0.12258	10
MIDW	Yvons 115KV	999	-0.12251	KACP	LACYONE UNIT 345KV	998	0.00006	-0.12267	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	LAKE ROAD 161KV	85.14417	0.00072	-0.12323	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	LAKE ROAD 34KV	92	0.00072	-0.12323	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	LARUSSEL 161KV	100	-0.00089	-0.12242	10
MIDW	Yvons 115KV	999	-0.12251	WERE	LAWRENCE ENERGY CENTER 230KV	230.398	-0.005	-0.1204	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	LEBROCK 345KV	465	-0.00013	-0.12238	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	LIEBERMAN 138KV	13.03939	-0.00012	-0.12239	10
MIDW	Yvons 115KV	999	-0.12251	KACP	MARSHALL 161KV	15	0.00018	-0.12269	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	MCCLAIN 138KV	470	-0.00012	-0.12219	10
MIDW	Yvons 115KV	999	-0.12251	KACP	MONTROSE 161KV	357.3008	0.00017	-0.12268	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.12232	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12231	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	MUSTANG 69KV	351	-0.00033	-0.12218	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	MUSTANG 69KV	90	-0.00033	-0.12218	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	NARROWS 69KV	22	-0.00016	-0.12235	10
MIDW	Yvons 115KV	999	-0.12251	KACY	NEARMAN 161KV	77	0.00044	-0.12295	10
MIDW	Yvons 115KV	999	-0.12251	KACY	NEARMAN 20KV	235	0.00044	-0.12295	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	NEVADA 69KV	114	0.00038	-0.12259	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	NORTHEASTERN STATION 138KV	498	-0.0002	-0.12231	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12232	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	OEC 345KV	269	-0.0002	-0.12231	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.12244	10
MIDW	Yvons 115KV	999	-0.12251	KACP	PAULA COMBUSTION TURBINES 161KV	63.48315	0.00014	-0.12265	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	PIRKEY GENERATION 138KV	263	-0.00013	-0.12238	10
MIDW	Yvons 115KV	999	-0.12251	KACY	QUINDARO 161KV	118.0116	0.00044	-0.12295	10
MIDW	Yvons 115KV	999	-0.12251	KACY	QUINDARO 69KV	116.1758	0.00044	-0.12295	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	RALPH GREEN 69KV	7.1	0.00012	-0.12263	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	REDBUD 345KV	150	-0.00031	-0.1222	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	RIVERTON 161KV	136.8296	-0.00012	-0.12239	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	RIVERTON 69KV	42.58268	-0.00012	-0.12239	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SEMINOLE 138KV	443.1797	-0.0003	-0.12231	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SEMINOLE 345KV	1019	-0.0003	-0.12231	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	SIBLEY 161KV	230.1187	0.00031	-0.12282	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	SIBLEY 69KV	45.99999	0.00033	-0.12284	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12218	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SOONER 138KV	535	-0.00038	-0.12215	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SOONER 345KV	537	-0.00036	-0.12215	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SOUTH 4TH ST 69KV	37	-0.00038	-0.12213	10
MIDW	Yvons 115KV	999	-0.12251	MIFU	SOUTH HARPER 161KV	315	0.00005	-0.12256	10
MIDW	Yvons 115KV	999	-0.12251	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.11828	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.12274	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	772	-0.00038	-0.12274	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SPGCK182 13.200 345KV	60	-0.00033	-0.12274	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	SPGCK384 13.200 345KV	60	-0.00033	-0.12274	10
MIDW	Yvons 115KV	999	-0.12251	EMDE	STATE LINE 161KV	532	-0.00011	-0.12296	10
MIDW	Yvons 115KV	999	-0.12251	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11669	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	TINKER 5G 138KV	60	-0.00033	-0.12274	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	TULSA POWER STATION 138KV	299	-0.00021	-0.1223	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12208	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	WELSH 345KV	1044	-0.00014	-0.12293	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	WILKES 138KV	424.0341	-0.00013	-0.12268	10
MIDW	Yvons 115KV	999	-0.12251	AEPW	WILKES 345KV	308	-0.00013	-0.12238	10
MIDW	Yvons 115KV	999	-0.12251	OKGE	WOODWARD 24KV	10	-0.0004	-0.12211	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	CLIFTON 24KV	85	-0.01278	-0.11029	11
MIDW	Yvons 115KV	999	-0.12251	WEPL	CLIFTON 115KV	65	-0.01278	-0.10973	11
MIDW	pawnee 115KV	999	-0.0226	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.10399	11
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	KNOLL 115KV	42.14067	0.02227	-0.09036	13
WEPL	CIMARRON RIVER 115KV	35.44412	-0.00244	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08383	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00076	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08215	14
WERE	CITY OF MULVANE 69KV	7.5	-0.0008	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08219	14
WERE	CITY OF WINFIELD 69KV	13.68999	-0.00064	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08203	14
WERE	EVANS ENERGY CENTER 138KV	53	-0.00068	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08207	14
WERE	GETTY 69KV	35	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14

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

AEPW	COGENTRIX 345KV	694	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
MIDW	COLBY 115KV	11,82209	0.00323	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07816	15
AEPW	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08162	15
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	15
WERE	EMPORIA ENERGY CENTER 345KV	283	0.00004	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08135	15
AEPW	FITZHUGH 161KV	41	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	15
AEPW	FULTON 115KV	32,99999	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08085	15
KACP	HAWTHORN 161KV	39	0.00041	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08098	15
OKGE	HORSESHOE LAKE 138KV	64	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.081	15
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.07723	15
WERE	JEFFREY ENERGY CENTER 230KV	24	0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08119	15
KACY	RAW 69KV	242	0.00045	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08094	15
AEPW	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08165	15
AEPW	KNOXLEE 138KV	139	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
MIPU	LAKE ROAD 161KV	30,85583	0.00072	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08067	15
EMDE	LARUSSEL 161KV	196	-0.00009	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08148	15
AEPW	LEBRACK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
AEPW	LIEBERMAN 138KV	236,906	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	15
KACP	MARSHALL 161KV	39.1	0.00018	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08121	15
OKGE	MCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	15
AEPW	MID-CONTINENT 138KV	142.71	-0.00016	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
KACP	MONTROSE 161KV	23,69917	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08122	15
OKGE	MUSKOGEE 345KV	17	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
OKGE	MUSTANG 138KV	49	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
OKGE	MUSTANG 69KV	15,99999	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
AEPW	NORTH MARSHALL 69KV	5	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
KACP	NORTHEAST 13KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
KACP	NORTHEAST 161KV	277	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
AEPW	NORTHEASTERN STATION 138KV	19,99997	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	15
AEPW	NORTHEASTERN STATION 345KV	19,99997	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08158	15
AEPW	OEC 345KV	1878.03	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
KACP	PAOLA COMBUSTION TURBINES 161KV	13,51685	0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08125	15
AEPW	PIRKEY GENERATION 138KV	35	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	15
KACY	QUINDARO 161KV	118,9884	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
KACY	QUINDARO 69KV	60,82418	0.00044	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08095	15
OKGE	REDDUD 345KV	1050	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0817	15
MIDW	rice 115KV	999	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
EMDE	RIVERTON 161KV	149,1704	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
EMDE	RIVERTON 69KV	25,41731	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	15
OKGE	SEMINOLE 138KV	61,82028	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
OKGE	SEMINOLE 345KV	10,60004	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	15
MIPU	SIBLEY 161KV	19,88135	0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08108	15
OKGE	SOONER 138KV	5	-0.00036	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08175	15
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
OKGE	SOUTHWESTERN STATION 138KV	229	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
AEPW	SOUTHWESTERN STATION 138KV	290	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	15
OKGE	SPGCK1&2 13.200 345KV	18	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
OKGE	SPGCK3&4 13.200 345KV	18	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	15
EMDE	STATE LINE 161KV	74	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	15
AEPW	TONTTOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	15
AEPW	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0816	15
MIPU	TWA 161KV	32.1	0.00055	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08084	15
AEPW	WEELETKA 138KV	162	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	15
AEPW	WILKES 138KV	38,96688	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	15
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07225	16
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	AES 161KV	320	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	ASBURY 161KV	191	-0.00011	-0.06798	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	BULL CREEK 161KV	308	0.0006	-0.06865	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CHANUTE 69KV	56,037	-0.00021	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00025	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	CITY OF HIGGINSVILLE 69KV	30,89227	0.00021	-0.06823	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	COFFY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.06787	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	COGENTRIX 345KV	940	-0.0002	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIDW	COLBY 115KV	13,17791	0.00323	-0.07132	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	EASTMAN 138KV	355	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	ELLIS 69KV	6	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	EMPORIA ENERGY CENTER 345KV	107	0.00016	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FITZHUGH 161KV	85	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06794	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	GREENWOOD 161KV	247.8	0.00014	-0.06823	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	HAWTHORN 161KV	762	0.00041	-0.0686	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	IATAK 345KV	8,396	0.0015	-0.06829	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	KNOXLEE 138KV	284	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	LACYNE UNIT 345KV	958	0.00006	-0.06815	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	LAKE ROAD 161KV	85,14417	0.00017	-0.06881	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	LAKE ROAD 34KV	92	0.00072	-0.06881	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	LARUSSEL 161KV	100	-0.00009	-0.068	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	LEBRACK 345KV	465	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	LIEBERMAN 138KV	13,03939	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	MARSHALL 161KV	15	0.00018	-0.06827	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	MONTROSE 161KV	357,30039	0.00017	-0.06826	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	MUSKOGEE 161KV	166	-0.00019	-0.0679	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	NARROWS 69KV	23	-0.00016	-0.06793	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	NEARMAN 161KV	77	0.00044	-0.06853	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	NEARMAN 20KV	235	0.00044	-0.06853	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	NEVADA 69KV	18.3	0.00008	-0.06817	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	NORTHEASTERN STATION 138KV	488	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	NORTHEASTERN STATION 345KV	239	-0.00018	-0.06787	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	OEC 345KV	269	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06802	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACP	PAOLA COMBUSTION TURBINES 161KV	63,48315	0.00014	-0.06823	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	AEPW	PIRKEY GENERATION 138KV	35	-0.00016	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	QUINDARO 161KV	118,0116	0.00044	-0.06853	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	KACY	QUINDARO 69KV	116,1758	0.00044	-0.06853	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	MIPU	RALPH GREEN 69KV	71.7	0.00012	-0.06821	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	EMDE	RIVERTON 161KV	135,8296	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	179	-0.06809	WERE	RIVERTON 69KV	42,52858	-0.00012	-0.06797	17

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

Source	Sink	Maximum Decrement (MW)	Maximum Increment (MW)	Relief Amount (MW)	Factor	Aggregate Relief Amount (MW)
WERE HUTCHINSON ENERGY CENTER 115KV	SOUTHWESTERN STATION 138KV	287	-0.0038	0.03762	-0.06771	18
WERE HUTCHINSON ENERGY CENTER 115KV	SOUTHWESTERN STATION 138KV	772	-0.0038	0.03762	-0.06771	18
WERE HUTCHINSON ENERGY CENTER 115KV	SPGCK182 13 200 345KV	5	-0.0033	0.03762	-0.06776	18
WERE HUTCHINSON ENERGY CENTER 115KV	SPGCK384 13 200 345KV	60	-0.0033	0.03762	-0.06776	18
WERE HUTCHINSON ENERGY CENTER 115KV	TINKER SG 138KV	60	-0.0032	0.03762	-0.06777	18
WERE HUTCHINSON ENERGY CENTER 115KV	WEATHERFORD 34KV	12	-0.0043	0.03762	-0.06766	18
WERE HUTCHINSON ENERGY CENTER 115KV	WOODWARD 34KV	10	-0.0044	0.03762	-0.06769	18
WERE HUTCHINSON ENERGY CENTER 115KV	A M MULLERGEREN GENERATOR 115KV	63	-0.0035	0.03762	-0.06714	19
WERE HUTCHINSON ENERGY CENTER 115KV	GRAY COUNTY WIND FARM 115KV	70	-0.0048	0.03762	-0.06401	19
WERE HUTCHINSON ENERGY CENTER 115KV	HARPER 138KV	8.49	-0.00567	0.03762	-0.06242	19
WERE HUTCHINSON ENERGY CENTER 115KV	JUDSON LARGE 115KV	97.5033	-0.0041	0.03762	-0.06399	19
WERE HUTCHINSON ENERGY CENTER 115KV	SOUTH SENECA 115KV	7.5	-0.00423	0.03762	-0.06176	19
WERE HUTCHINSON ENERGY CENTER 115KV	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	0.03762	-0.06227	19
MIDW KNOLL 115KV	SMOKEY HILLS 34KV	177	0.0139	0.03762	-0.05912	20
WERE HUTCHINSON ENERGY CENTER 115KV	CLIFTON 115KV	65	-0.01278	0.03762	-0.05531	21
WERE BPU - CITY OF MCPHERSON 115KV	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	0.03762	-0.05498	22
WERE BPU - CITY OF MCPHERSON 115KV	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	0.03762	-0.05514	22
MIDW Lyons 115KV	HUTCHINSON ENERGY CENTER 115KV	245	-0.06809	0.03762	-0.05442	22
MIDW Lyons 115KV	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	0.03762	-0.05458	22
MIDW Pawnee 115KV	KNOLL 115KV	42.14067	0.02227	0.03762	-0.04487	26
MIDW Pawnee 115KV	JEFFREY ENERGY CENTER 345KV	940	0.00914	0.03762	-0.03174	37

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Direction: From->To
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007AG1AFS41T1891209SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.1	1.7	WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	MIDW	KNOLL 115KV	68.49275	0.03762	-0.37876	4
1222943	0.5	1.7	WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.44456	4
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	A M MULLERGEREN GENERATOR 115KV	63	0.00683	-0.34797	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	AES 161KV	320	-0.015	-0.34063	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	EMDE	ASBURY 161KV	191	-0.0139	-0.33975	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	BULL CREEK 161KV	308	0.00272	-0.34386	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	CENTRAL WIND 34KV	16	-0.00357	-0.33757	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CHANCE 69KV	56.037	0.0042	-0.33872	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CHAMARRON RIVER 115KV	17.81384	0.0047	-0.34584	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.33330	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.33693	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF ERIE 69KV	2	-0.0042	-0.33872	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF FREDONIA 69KV	3.19	-0.0295	-0.33819	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF GIRARD 69KV	3.6	-0.0176	-0.33938	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	CITY OF HIGGINSVILLE 69KV	30.916	0.00196	-0.3431	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF MULVANE 69KV	8.29	-0.00881	-0.33233	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.33408	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CLIFTON 115KV	65	0.0028	-0.33788	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.33693	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	COGENTRIX 345KV	200	-0.00235	-0.33879	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	MIDW	COLBY 115KV	13.10927	0.01952	-0.35166	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	COMANCHE 138KV	145	-0.00278	-0.33636	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	COMANCHE 69KV	60	-0.00278	-0.33636	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	EASTMAN 138KV	355	-0.00131	-0.33983	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.33507	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	ELLIS 69KV	6.6	-0.00153	-0.33961	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.34517	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.33042	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	FITZLUUGH 161KV	190	-0.00135	-0.33979	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	FLINT CREEK 161KV	400	-0.00177	-0.33937	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	FRYLAND 34KV	15	-0.00358	-0.33756	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	GILL ENERGY CENTER 138KV	155	-0.00941	-0.33173	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.33176	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.34482	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9776	0.00604	-0.34718	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	GREENWOOD 161KV	247.8	0.00218	-0.34332	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	HARPER 138KV	8.600001	-0.00792	-0.33222	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	HAWTHORN 161KV	762	0.00282	-0.34396	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	HOLTON 115KV	12.2	0.00522	-0.34636	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	HORSESHOE LAKE 138KV	786	-0.003	-0.34378	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.33791	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	IATAN 345KV	396	0.00526	-0.3464	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00903	-0.35017	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01802	-0.35916	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	JUDSON LARGE 115KV	96.65992	0.00365	-0.34272	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	KNOXLEE 138KV	284	-0.0013	-0.33984	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.34145	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	MIPU	LAKE ROAD 161KV	111	0.00369	-0.34483	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	MIPU	LAKE ROAD 34KV	92	0.00369	-0.34483	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	EMDE	LARUSSELL 161KV	100	-0.00116	-0.33998	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.34401	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	LEBROCK 345KV	315	-0.0013	-0.33984	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	LIEBERMAN 138KV	96.85791	-0.00123	-0.33991	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	MARSHALL 161KV	15	0.0138	-0.34272	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	MCCLAIN 138KV	40	-0.0035	-0.33779	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	MONTROSE 161KV	353.5817	0.00189	-0.34303	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	MUSKOGEE 161KV	166	-0.00209	-0.33905	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	MUSKOGEE 345KV	1548	-0.00217	-0.33897	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	MUSTANG 138KV	351	0.00342	-0.33772	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	MUSTANG 69KV	90	-0.00342	-0.33772	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	NARROWS 69KV	22	-0.00155	-0.33959	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACY	NEARMAN 161KV	45	0.00303	-0.34417	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACY	NEARMAN 20KV	234.5	0.00303	-0.34417	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	MIPU	NEVADA 69KV	18.3	0.0011	-0.34224	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	NORTHEAST 13KV	36	0.00291	-0.34405	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	NORTHEASTERN STATION 138KV	488	-0.00229	-0.33885	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	NORTHEASTERN STATION 345KV	625	-0.00226	-0.33888	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGE	OEC 345KV	269	0.00227	-0.33887	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.34025	5
			WERE	ABLILENE ENERGY CENTER 115KV	5.999996	-0.34114	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155</		

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

WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEPW	WILKES 345KV	308	-0.00133	-0.33981	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	ORGE	WOODWARD 24KV	10	-0.00357	-0.33757	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.2374	7
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.04677	-0.29437	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIDW	KNOLL 115KV	68.49275	0.03762	-0.2616	6
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.23267	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	A. M. MULLER/REGEN GENERATOR 115KV	63	0.00683	-0.23081	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	BULL CREEK 161KV	308	0.00272	-0.23274	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	CIARRON RIVER 115KV	17.81384	0.0047	-0.22968	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00196	-0.22594	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIDW	COLBY 115KV	13.10927	0.01052	-0.2345	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.04043	-0.22280	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.22766	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00604	-0.23002	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.22616	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	HAWTHORN 161KV	762	0.00282	-0.2268	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	HOLTON 115KV	12.2	0.00522	-0.2322	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	IATAN 345KV	396	0.00526	-0.22924	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00903	-0.23201	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01802	-0.242	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	JUDSON LARGE 115KV	96.65962	0.03965	-0.22763	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	LAKE ROAD 161KV	111	0.00369	-0.22767	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	LAKE ROAD 34KV	92	0.00369	-0.22767	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.22665	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	MARSHALL 161KV	15	0.00158	-0.22556	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	MONROE 161KV	353.5858	0.00158	-0.22567	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NEARMAN 161KV	45	0.00303	-0.22701	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NEARMAN 20KV	234.5	0.00303	-0.22701	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NORTHEAST 13KV	36	0.00291	-0.22689	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.01345	-0.22653	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	QUINDARO 161KV	162.6068	0.00302	-0.227	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	QUINDARO 69KV	129.4	0.00301	-0.22699	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.22607	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	SIBLEY 161KV	239.4487	0.0025	-0.22648	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.22656	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.22608	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	SOUTH SENECA 115KV	8.5	0.00161	-0.22559	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	TVA 161KV	6.035645	0.00323	-0.22721	7
MIDW	Iyons 115kv	999	-0.12222	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.22564	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	AES 161KV	320	-0.00151	-0.22247	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	ASBURY 161KV	191	-0.00139	-0.22259	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	CENTRAL WIND 34KV	16	-0.00357	-0.22041	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CHANUTE 69KV	56.037	-0.00242	-0.22156	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF AUGUSTA 69KV	20.92	-0.00778	-0.22563	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.21977	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF FREDONIA 69KV	3.19	-0.00295	-0.22103	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF GIRARD 69KV	8.7	-0.00176	-0.22222	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF JULIANE 69KV	8	-0.00881	-0.22517	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.21892	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	CLIFTON 115KV	65	-0.00326	-0.22072	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.21977	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	COGENTRIX 345KV	200	-0.00235	-0.22163	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	COMANCHE 138KV	1165	-0.00278	-0.2212	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	COMANCHE 69KV	60	-0.00278	-0.2212	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	EASTMAN 138KV	365	-0.00131	-0.22267	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.21791	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	ELLIS 69KV	6.6	-0.00153	-0.22245	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	EMPORIA ENERGY CENTER 345KV	531.2676	-0.01078	-0.22398	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	FITZHUGH 161KV	109	-0.00135	-0.22263	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.22221	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	FPLWIND2 34KV	8	-0.00358	-0.2204	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	GILL ENERGY CENTER 138KV	115	-0.00941	-0.21457	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.2146	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	HARPER 138KV	8.600001	-0.00792	-0.21606	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	HORSESHOE LAKE 138KV	796	-0.0033	-0.22076	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.22068	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	KNOLLS 138KV	299	-0.00238	-0.22268	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	LACYGNE UNIT 345KV	968	0.00331	-0.22429	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	LARUSSEL 161KV	100	-0.00116	-0.22282	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	LEBRONCK 345KV	315	-0.0013	-0.22268	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	LIEBERMAN 138KV	96.8579	-0.00123	-0.22276	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	MCCLAIN 138KV	470	-0.00335	-0.22063	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	MUSKOGEE 161KV	166	-0.00209	-0.22189	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	MUSKOGEE 345KV	1548	-0.00217	-0.22181	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	MUSTANG 138KV	351	-0.00342	-0.22056	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	MUSTANG 69KV	90	-0.00342	-0.22056	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	NARROWS 69KV	22	-0.00155	-0.22243	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIPU	NEVADA 69KV	18.3	0.0011	-0.22508	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	NORTHEASTERN STATION 138KV	488	-0.00229	-0.22169	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	NORTHEASTERN STATION 345KV	629	-0.00228	-0.22172	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	OEC 345KV	269	-0.00227	-0.22171	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.22309	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.22268	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	REDBUD 345KV	150	-0.0033	-0.22068	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	RIVERTON 161KV	156.1533	-0.00151	-0.22247	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.22251	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SEMINOLE 138KV	462.0428	-0.00307	-0.22091	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SEMINOLE 345KV	1019	-0.00313	-0.22085	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SMITH COGEN 138KV	107	-0.00344	-0.22058	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SOONER 138KV	535	-0.00442	-0.21956	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SOONER 345KV	537	-0.00449	-0.21949	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SOUTH 4TH ST 69KV	37	-0.00449	-0.21949	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00282	-0.22116	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	SOUTHWESTERN STATION 345KV	637	-0.00282	-0.22116	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	SPGK182 13.200 345KV	60	-0.00371	-0.22027	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	STATE LINE 161KV	532	-0.00145	-0.22253	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.22411	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	ORGE	TRINER 161KV	166	-0.00343	-0.22069	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	TULSA POWER STATION 138KV	299	-0.00234	-0.22164	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.22128	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	WELSH 345KV	1044	-0.00143	-0.22255	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEPW	WILKES 138KV	411.095	-0.00135	-0.22263	8
WERE	CLAY								

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	HORSESHOE LAKE 69KV	16	-0.00323	-0.12602	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	IATAN 345KV	396	0.00526	-0.13451	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	JUDSON LARGE 115KV	96.65992	0.03365	-0.13293	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	KNOXLEE 138KV	284	-0.0013	-0.12795	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.12956	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	LAKE ROAD 161KV	111	0.00369	-0.13294	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	LAKE ROAD 345KV	92	0.00369	-0.13294	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	LARUSSEL 161KV	100	-0.00116	-0.12809	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.13212	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	LEBROCK 345KV	315	-0.0013	-0.12795	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.12802	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	MARSHALL 161KV	15	0.00158	-0.12138	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	MCCLAIN 138KV	470	-0.00335	-0.12599	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	MONTROSE 161KV	353.5817	0.00189	-0.13114	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	MUSKOGEE 161KV	166	-0.00209	-0.12716	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	MUSKOGEE 345KV	1548	-0.00217	-0.12708	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	MUSTANG 138KV	351	0.00342	-0.12583	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	MUSTANG 69KV	90	-0.00342	-0.12583	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NARROWS 69KV	22	-0.00155	-0.12777	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	NEARMAN 161KV	45	0.00303	-0.13228	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	NEARMAN 20KV	234.5	0.00303	-0.13228	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	NEVADA 69KV	18.3	0.0011	-0.13035	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	NORTHEAST 13KV	36	0.00291	-0.13216	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NORTHEASTERN STATION 138KV	488	-0.00229	-0.12696	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NORTHEASTERN STATION 345KV	625	-0.00229	-0.12696	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	OEC 345KV	289	-0.00227	-0.12696	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.12836	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.1308	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.12795	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	QUINDARO 161KV	162.6068	0.00302	-0.13163	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	QUINDARO 69KV	129.4	0.00301	-0.13226	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.13134	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	REDBUD 345KV	150	-0.0033	-0.12595	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.12774	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	RIVERTON 69KV	42.9942	-0.00147	-0.12778	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SEMINOLE 138KV	462.0428	-0.00307	-0.12618	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SEMINOLE 345KV	1019	-0.00313	-0.12612	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.13175	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.13163	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SMITH COGEN 138KV	107	-0.0034	-0.12585	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.13135	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SOUTH SENECA 115KV	8.5	0.00161	-0.13086	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00282	-0.12643	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 138KV	63	-0.00282	-0.12643	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SPGC182 13.200 345KV	60	-0.00371	-0.12554	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	STATE LINE 161KV	532	-0.00145	-0.1278	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.12938	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	TWIGG 69KV	60	-0.00337	-0.12596	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	TULSA POWER STATION 138KV	299	-0.00234	-0.12691	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIPU	TWA 161KV	6.035645	0.00323	-0.13248	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.12655	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WELSH 345KV	1044	-0.00143	-0.12782	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 138KV	411.095	0.00277	-0.12779	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 345KV	308	-0.00133	-0.12792	13
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	WOODWARD 24KV	10	-0.00357	-0.12568	13
MIDW	Ymons 115kv	999	-0.12222	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00683	-0.12905	13
MIDW	Ymons 115kv	999	-0.12222	WEPL	OMARON RIVER 115KV	17.81384	0.0047	-0.12692	13
MIDW	Ymons 115kv	999	-0.12222	MIDW	COLBY 115KV	0.01052	0.00277	-0.12774	13
MIDW	Ymons 115kv	999	-0.12222	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.12625	13
MIDW	Ymons 115kv	999	-0.12222	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.1259	13
MIDW	Ymons 115kv	999	-0.12222	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00604	-0.12826	13
MIDW	Ymons 115kv	999	-0.12222	WERE	HARLOW 115KV	12.3	0.00522	-0.12744	13
MIDW	Ymons 115kv	999	-0.12222	KACP	IATAN 345KV	396	0.00526	-0.12748	13
MIDW	Ymons 115kv	999	-0.12222	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00903	-0.13125	13
MIDW	Ymons 115kv	999	-0.12222	WEPL	JUDSON LARGE 115KV	96.65992	0.00365	-0.12587	13
MIDW	Ymons 115kv	999	-0.12222	MIPU	LAKE ROAD 161KV	111	0.00369	-0.12591	13
MIDW	Ymons 115kv	999	-0.12222	MIPU	LAKE ROAD 345KV	92	0.00369	-0.12591	13
MIDW	Ymons 115kv	999	-0.12222	KACY	NEARMAN 161KV	45	0.00303	-0.12525	13
MIDW	Ymons 115kv	999	-0.12222	KACY	NEARMAN 20KV	234.5	0.00303	-0.12525	13
MIDW	Ymons 115kv	999	-0.12222	KACY	QUINDARO 161KV	162.6068	0.00302	-0.12524	13
MIDW	Ymons 115kv	999	-0.12222	KACP	QUINDARO 69KV	129.4	0.00301	-0.12545	13
MIDW	Ymons 115kv	999	-0.12222	MIPU	TWA 161KV	6.035645	0.00323	-0.12545	13
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.22398	-0.11716	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.1215	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.12504	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF MILVANE 69KV	8.29	-0.00881	-0.12344	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.12219	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.12504	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.12048	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.12483	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	GILL ENERGY CENTER 138KV	155	-0.0084	-0.11984	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.11987	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	HARPER 138KV	8.600001	-0.00792	-0.12133	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SOONER 138KV	535	-0.00442	-0.12843	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SOONER 345KV	537	-0.00449	-0.12478	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGKE	SOUTH 4TH ST 69KV	37	-0.00449	-0.12476	14
MIDW	Ymons 115kv	999	-0.12222	OKGKE	AES 161KV	320	-0.00151	-0.12071	14
MIDW	Ymons 115kv	999	-0.12222	EMDE	ASBURY 161KV	191	-0.00139	-0.12083	14
MIDW	Ymons 115kv	999	-0.12222	KACP	BULL CREEK 161KV	338	0.00272	-0.12494	14
MIDW	Ymons 115kv	999	-0.12222	OKGKE	CENTENIAL WIND 34KV	16	-0.00357	-0.11865	14
MIDW	Ymons 115kv	999	-0.12222	WERE	CHANUTE 69KV	56.037	-0.00242	-0.1198	14
MIDW	Ymons 115kv	999	-0.12222	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.11801	14
MIDW	Ymons 115kv	999	-0.12222	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00196	-0.12418	14
MIDW	Ymons 115kv	999	-0.12222	WEPL	CITFON 115KV	11	-0.0322	-0.11896	14
MIDW	Ymons 115kv	999	-0.12222	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.11801	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	COGENTRIX 345KV	200	-0.00235	-0.11987	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	COMANCHE 138KV	145	-0.00278	-0.11944	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	COMANCHE 69KV	60	-0.00278	-0.11944	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	EASTMAN 138KV	355	-0.00131	-0.12091	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	ELLIS 69KV	6.6	-0.00153	-0.12069	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	FITZLUUGH 161KV	109	-0.00135	-0.12087	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.12045	14
MIDW	Ymons 115kv	999	-0.12222	OKGKE	FRLWIND 34KV	8	-0.00358	-0.11864	14
MIDW	Ymons 115kv	999	-0.12222	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.1244	14
MIDW	Ymons 115kv	999	-0.12222	KACP	HAWTHORN 161KV	762	0.00282	-0.12504	14
MIDW	Ymons 115kv	999	-0.12222	OKGKE	HORSESHOE LAKE 138KV	796	-0.0033	-0.11892	14
MIDW	Ymons 115kv	999	-0.12222	OKGKE	HORSESHOE LAKE 69KV	16	-0.00323	-0.11899	14
MIDW	Ymons 115kv	999	-0.12222	KACP	KNOXLEE 138KV	284	-0.0013	-0.12092	14
MIDW	Ymons 115kv	999	-0.12222	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.12253	14
MIDW	Ymons 115kv	999	-0.12222	EMDE	LARUSSEL 161KV	100	-0.00116	-0.12106	14
MIDW	Ymons 115kv	999	-0.12222	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.12509	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	LEBROCK 345KV	315	-0.0013	-0.12092	14
MIDW	Ymons 115kv	999	-0.12222	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.12099	14
MIDW	Ymons 115kv	999	-0.12222	KACP	MARSHALL 161KV	15	0.00158	-0.12138	14
MIDW	Ymons 115kv	999							

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

MIDW	Yvons 115kv		999	-0.12222	OKGE	SOONER 138KV		535	-0.00442	-0.1178	14
MIDW	Yvons 115kv		999	-0.12222	OKGE	SOONER 345KV		537	-0.00449	-0.11773	14
MIDW	Yvons 115kv		999	-0.12222	OKGE	SOUTH 4TH ST 69KV		37	-0.00488	-0.11773	14
MIDW	Yvons 115kv		999	-0.12222	MIPU	SOUTH HARPER 161KV		315	0.0021	-0.12432	14
MIDW	Yvons 115kv		999	-0.12222	WERE	SOUTH SENECA 115KV		8.5	0.00161	-0.12383	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV		287	-0.00282	-0.1194	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV		837	-0.00282	-0.1194	14
MIDW	Yvons 115kv		999	-0.12222	OKGE	SPGCK1&2 13.200 345KV		60	-0.0037	-0.11851	14
MIDW	Yvons 115kv		999	-0.12222	EMDE	STATE LINE 161KV		532	-0.00145	-0.12077	14
MIDW	Yvons 115kv		999	-0.12222	WERE	TECUMSEH ENERGY CENTER 115KV		133	0.00013	-0.12235	14
MIDW	Yvons 115kv		999	-0.12222	OKGE	TINKER SG 138KV		80	-0.00329	-0.11893	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	TULSA POWER STATION 138KV		299	-0.00234	-0.11773	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	WEATHERFORD 34KV		12	-0.0027	-0.11952	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	WELSH 345KV		1044	-0.00143	-0.12079	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	WILKES 138KV		411.095	-0.00135	-0.12087	14
MIDW	Yvons 115kv		999	-0.12222	AEPW	WILKES 345KV		308	-0.00133	-0.12089	14
MIDW	Yvons 115kv		999	-0.12222	OKGE	WOODWARD 24KV		10	-0.00357	-0.11865	14
WERE	CITY OF AUGUSTA 69KV		17.94	-0.00775	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11117	15
WERE	CITY OF MULVANE 69KV		7.5	-0.00881	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11223	15
WERE	CITY OF WINFIELD 69KV		27.30999	-0.00706	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11048	15
WERE	EVANS ENERGY CENTER 138KV		38	-0.01073	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11414	15
WERE	GETTY 69KV		35	-0.00747	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11089	15
WERE	GILL ENERGY CENTER 138KV		84.99999	-0.00941	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11283	15
WERE	GILL ENERGY CENTER 69KV		8	-0.00938	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.1128	15
WERE	HARPER 138KV		8.609999	-0.00792	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11134	15
MIDW	Yvons 115kv		999	-0.12222	WERE	CITY OF AUGUSTA 69KV		20.02	-0.00747	-0.11047	15
MIDW	Yvons 115kv		999	-0.12222	WERE	CITY OF MULVANE 69KV		8.29	-0.00881	-0.11341	15
MIDW	Yvons 115kv		999	-0.12222	WERE	CITY OF WINFIELD 69KV		12.69001	-0.00706	-0.11516	15
MIDW	Yvons 115kv		999	-0.12222	EMDE	ELK RIVER 345KV		149.9999	-0.00607	-0.11615	15
MIDW	Yvons 115kv		999	-0.12222	WERE	EVANS ENERGY CENTER 138KV		535	-0.00442	-0.11773	15
MIDW	Yvons 115kv		999	-0.12222	WERE	GILL ENERGY CENTER 138KV		155	-0.00941	-0.11281	15
MIDW	Yvons 115kv		999	-0.12222	WERE	GILL ENERGY CENTER 69KV		75	-0.00938	-0.11284	15
MIDW	Yvons 115kv		999	-0.12222	WERE	HARPER 138KV		8.600001	-0.00792	-0.1143	15
MIDW	Yvons 115kv		999	-0.00984	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11326	15
WERE	WACO 138KV		30	-0.00954	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.11286	15
AEPW	ARSENAL HILL 69KV		110	-0.00121	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10463	16
EMDE	ASBURY 161KV		20	-0.00139	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10481	16
WERE	CHANUTE 69KV		24.563	-0.00242	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10584	16
WERE	CITY OF BURLINGSTON 69KV		15.37	-0.00421	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10763	16
WERE	CITY OF ERIE 69KV		24.53	-0.00242	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10584	16
WERE	CITY OF FREDONIA 69KV		7.104	-0.00295	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10637	16
WERE	CITY OF GIRARD 69KV		7.1	-0.00176	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10518	16
WERE	CITY OF IOLA 69KV		42.878	-0.002	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10542	16
WERE	CITY OF NEOSHO 69KV		6.738	-0.00284	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10268	16
AEPW	COGENTRIX 345KV		694	-0.00235	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10577	16
AEPW	COMANCHE 138KV		15	-0.00278	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.1062	16
AEPW	EASTMAN 138KV		130.01	-0.00131	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10473	16
AEPW	ELLIS 69KV		19.4	-0.00153	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10468	16
AEPW	FITZHUGH 161KV		17	-0.00135	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10477	16
AEPW	FLINT CREEK 161KV		28	-0.00177	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10519	16
AEPW	FULTON 115KV		32.99999	-0.00114	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10456	16
OKGE	KORSEHOLE LAKE 138KV		64	-0.0033	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10672	16
AEPW	KIOWA 345KV		1348	-0.0026	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10602	16
AEPW	KNOXLEE 138KV		139	-0.0013	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10472	16
EMDE	LARUSSEL 161KV		196	-0.00116	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10458	16
AEPW	LEBROCK 345KV		382	-0.0013	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10472	16
AEPW	LIEBERMAN 138KV		131.1421	-0.00123	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10465	16
AEPW	LONESTAR POWER PLANT 69KV		50	-0.00136	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10477	16
OKGE	MCLAIN 138KV		50	-0.00335	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10677	16
AEPW	MID-CONTINENT 138KV		142.11	-0.00205	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10547	16
OKGE	MUSKOGEE 345KV		17	-0.00217	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10559	16
OKGE	MUSTANG 138KV		49	-0.00342	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10684	16
OKGE	MUSTANG 69KV		15.99999	-0.00342	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10684	16
AEPW	NORTHEASTERN STATION 138KV		19.99997	-0.00229	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10571	16
AEPW	NORTHEASTERN STATION 345KV		19.99997	-0.00226	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10568	16
AEPW	OEG 345KV		1878.03	-0.00227	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10569	16
AEPW	PIRKY GENERATION 138KV		45	-0.0013	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10472	16
OKGE	REBUD 345KV		1050	-0.0033	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10672	16
MIDW	rise 115kv		999	-0.0025	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10592	16
EMDE	RIVERTON 161KV		128.8467	-0.00151	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10493	16
EMDE	RIVERTON 69KV		13.0589	-0.00147	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10489	16
OKGE	SEMINOLE 138KV		42.85718	-0.00307	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10649	16
OKGE	SEMINOLE 345KV		10.60004	-0.00313	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10655	16
OKGE	SOUTH 4TH ST 69KV		5.7	-0.00449	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10791	16
AEPW	SOUTHWESTERN STATION 138KV		229	-0.00282	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10524	16
AEPW	SOUTHWESTERN STATION 138KV		229	-0.00282	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10524	16
OKGE	SPGCK1&2 13.200 345KV		18	-0.00371	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10713	16
OKGE	SPGCK3&4 13.200 345KV		168	-0.00371	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10713	16
EMDE	STATE LINE 161KV		74	-0.00145	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10487	16
WERE	TECUMSEH ENERGY CENTER 115KV		28	-0.0013	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10392	17
WERE	TECUMSEH ENERGY CENTER 69KV		41	-0.00027	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10369	17
AEPW	TONTTOWN 161KV		346.12	-0.0018	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10522	16
AEPW	TULSA POWER STATION 69KV		80	-0.00234	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10576	16
AEPW	WEELETKA 138KV		162	-0.00249	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10591	16
AEPW	WILKES 138KV		51.90407	-0.00135	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10599	16
MIPU	ARIES 161KV		595	0.00215	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10127	17
KACP	BULL CREEK 161KV		105	0.00272	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.1007	17
WERE	CIMARRON RIVER 115KV		29.18616	0.0047	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.09972	17
WERE	EMPORIA ENERGY CENTER 345KV		279.7324	0.00403	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.0939	17
KACP	GARDNER 161KV		11	0.00275	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10067	17
KACP	HAWTHORN 161KV		39	0.00282	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.1006	17
WERE	HOLTON 115KV		7.8	0.00522	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.0982	17
WERE	JUDSON LARGE 115KV		6.340179	0.00365	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.09977	17
KACY	KAWI 69KV		242	0.003	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10042	17
KACP	LAWRENCE ENERGY CENTER 230KV		34.18027	0.00297	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10055	17
KACP	MARSHALL 161KV		39.1	0.00158	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10184	17
KACP	MONTROSE 161KV		27.41826	0.00189	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10153	17
KACY	NEARMAN 161KV		35	0.00363	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10389	17
KACP	NORTHEAST 13KV		221	0.00291	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10051	17
KACP	NORTHEAST 161KV		255.71	0.00291	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10051	17
KACY	QUINDARO 161KV		74.39324	0.00302	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.1004	17
KACY	QUINDARO 69KV		47.6	0.00301	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10041	17
MIPU	SIBLEY 161KV		19.5513	0.0025	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10022	17
WERE	SOUTH SENECA 115KV		8.2	0.00161	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10181	17
MIPU	TWA 161KV		24.08435	0.00323	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.10019	17
MIDW	COLBY 115KV		11.89073	0.01052	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.0929	18
WERE	JEFFREY ENERGY CENTER 230KV		24	0.00903	WERE	SMOKEY HILLS 34KV		152	0.10342	-0.09439	18
WERE	BPJ - CITY OF MCPHERSON 115KV		232	-0.12925	WERE	HUTCHINSON ENERGY CENTER 115KV		205	0.04677	-0.08248	20
WERE	HUTCHINSON ENERGY CENTER 115KV										

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

WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACV	NEARMAN 20KV	234.5	0.00303	-0.0498	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	NORTHEAST 13KV	36	0.00291	-0.04968	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACV	QUINDARO 161KV	162.6068	0.00302	-0.04978	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACV	QUINDARO 69KV	129.4	0.00301	-0.04978	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.04927	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04935	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	BULL CREEK 161KV	308	0.00272	-0.04926	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WEPL	GRAY COLONY WIND FARM 115KV	70	0.00368	-0.05052	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	HAWTHORN 161KV	762	0.00282	-0.04936	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.05019	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	LAKE ROAD 161KV	111	0.00369	-0.05023	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	LAKE ROAD 34KV	92	0.00369	-0.05023	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.04941	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACV	NEARMAN 161KV	45	0.00303	-0.04957	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACV	NEARMAN 20KV	234.5	0.00303	-0.04957	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	NORTHEAST 13KV	36	0.00291	-0.04945	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACV	QUINDARO 161KV	162.6068	0.00302	-0.04955	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACV	QUINDARO 69KV	129.4	0.00301	-0.04955	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.04904	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04912	34
WERE	EVANS ENERGY CENTER 138KV	38	-0.01073	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04534	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	CITY OF HIGGINSVILLE 69KV	30.3016	0.00196	-0.04873	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.04895	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	MARSHALL 161KV	15	0.00158	-0.04835	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	MONTROSE 161KV	353.5817	0.00189	-0.04866	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	NEVADA 69KV	18.3	0.0011	-0.04787	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.04832	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.04886	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.04887	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	CITY OF HIGGINSVILLE 69KV	30.3016	0.00196	-0.04865	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.04872	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	MARSHALL 161KV	15	0.00158	-0.04812	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	MONTROSE 161KV	353.5817	0.00189	-0.04843	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	NEVADA 69KV	18.3	0.0011	-0.04764	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.04833	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.04863	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.04864	35
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00941	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04703	36
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.04708	36
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.0469	36
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.04685	36
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.04667	36
MIDW	6awnee 115kv	999	-0.00984	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04746	36
WERE	WACO 138KV	30	-0.00854	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04716	36
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00775	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04537	37
WERE	GETTY 69KV	35	-0.00747	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04509	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGE	AES 161KV	320	-0.00151	-0.04526	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	ASBURY 161KV	191	-0.00139	-0.04538	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	EASTMAN 138KV	355	-0.00131	-0.04546	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	FITZHUGH 161KV	109	-0.00135	-0.04542	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	KNOXLEE 138KV	284	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	LARUSSEL 161KV	100	-0.00116	-0.04561	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	LEBROCK 345KV	315	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	LIEBERMAN 138KV	96.85791	-0.00123	-0.04554	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	NARROWS 69KV	22	-0.00155	-0.04522	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	OZARK BEACH 161KV	116	-0.00089	-0.04588	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	PIRKEY GENERATION 138KV	243	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	RIVERTON 69KV	156.1533	-0.0017	-0.04529	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.04543	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	STATE LINE 161KV	532	-0.00145	-0.04532	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	WELSH 345KV	1044	-0.00143	-0.04534	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	WILKES 138KV	411.0056	-0.00135	-0.04542	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	WILKES 345KV	308	-0.00133	-0.04544	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	ASBURY 161KV	191	-0.00139	-0.04515	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	EASTMAN 138KV	355	-0.00131	-0.04523	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	FITZHUGH 161KV	109	-0.00135	-0.04519	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	KNOXLEE 138KV	284	-0.0013	-0.04528	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	LARUSSEL 161KV	100	-0.00116	-0.04538	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	LEBROCK 345KV	315	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	LIEBERMAN 138KV	96.85791	-0.00123	-0.04531	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	OZARK BEACH 161KV	116	-0.00089	-0.04546	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	PIRKEY GENERATION 138KV	243	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.04507	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	STATE LINE 161KV	532	-0.00145	-0.04509	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	WELSH 345KV	1044	-0.00143	-0.04511	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	WILKES 138KV	411.0056	-0.00135	-0.04519	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	WILKES 345KV	308	-0.00133	-0.04521	37
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00706	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04468	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	CHANUTE 69KV	56.037	-0.00242	-0.04438	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	COGENTRIX 345KV	209	-0.00238	-0.04442	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	COMANCHE 138KV	145	-0.00278	-0.04399	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	COMANCHE 69KV	60	-0.00278	-0.04399	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	FLINT CREEK 161KV	400	-0.00177	-0.045	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGE	MUSKOGEE 161KV	166	-0.00209	-0.04468	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGE	MUSKOGEE 345KV	209	-0.00217	-0.04468	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	NORTHEASTERN STATION 138KV	488	-0.00229	-0.04448	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	NORTHEASTERN STATION 345KV	625	-0.00226	-0.04451	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	OEC 345KV	269	-0.00227	-0.0445	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	SOUTHWESTERN STATION 138KV	237	-0.00282	-0.04395	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	SOUTHWESTERN STATION 138KV	437	-0.00282	-0.04395	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEWP	TULSA POWER STATION 138KV	299	-0.00234	-0.04443	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGE	AES 161KV	320	-0.00151	-0.04503	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	CHANUTE 69KV	56.037	-0.00242	-0.04412	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	COGENTRIX 345KV	209	-0.00238	-0.04419	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	FLINT CREEK 161KV	400	-0.00177	-0.04477	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGE	MUSKOGEE 161KV	166	-0.00209	-0.04445	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGE	MUSKOGEE 345KV	209	-0.00217	-0.04443	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	NARROWS 69KV	22	-0.00155	-0.04469	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	NORTHEASTERN STATION 138KV	488	-0.00229	-0.04425	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	NORTHEASTERN STATION 345KV	625	-0.00226	-0.04428	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEWP	OEC 345KV	269	-0.00227	-0.04427	38
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.04437	38
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGE	TULSA POWER STATION 138KV	299	-0.00234	-0.04442	38
WERE									

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

WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.03329	-0.3227	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	IATAN 348KV	396	0.0037	-0.35969	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.36127	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WEPL	JUDSON LARGE 115KV	96.60031	0.00632	-0.36231	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	KNOXLEE 138KV	284	-0.00089	-0.3551	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.3559	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	MIFPU	LAKE ROAD 161KV	35	0.00255	-0.35854	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	MIFPU	LAKE ROAD 34KV	31	0.00255	-0.35854	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	EMDE	LARUSSEL 161KV	100	-0.00093	-0.35506	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	LAWRENCE ENERGY CENTER 230KV	233.788	0.0007	-0.35669	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	LEBROCK 345KV	315	-0.00089	-0.3551	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	MARSHALL 161KV	15	0.00099	-0.35689	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	MCCLAIN 138KV	470	-0.00226	-0.35373	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	MONTROSE 161KV	355.8243	0.0108	-0.35707	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	MUSKOGEE 161KV	166	-0.00149	-0.3545	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	MUSKOGEE 345KV	1548	-0.00154	-0.35445	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	MUSTANG 138KV	351	-0.00232	-0.35367	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	MUSTANG 69KV	90	-0.00232	-0.35367	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	NARROWS 69KV	22	-0.00106	-0.35493	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	NEARMAN 161KV	38.6304	0.0188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	NEARMAN 20KV	235	0.0188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	NORTHEAST 13KV	110	0.00183	-0.35782	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	NORTHEAST 161KV	105.5019	0.00183	-0.35782	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	NORTHEASTERN STATION 138KV	488	-0.00167	-0.35432	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	NORTHEASTERN STATION 345KV	625	-0.00166	-0.35433	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	OEC 345KV	369	-0.00163	-0.35434	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.35528	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00079	-0.35678	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	PIRKEY GENERATION 138KV	243	-0.00089	-0.3551	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	QUINDARO 161KV	118.0559	0.0188	-0.35695	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	KACP	QUINDARO 69KV	72	0.00188	-0.35787	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	REDBUD 345KV	250	-0.00227	-0.35372	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	EMDE	RIVERTON 161KV	164.7548	-0.00118	-0.35481	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	EMDE	RIVERTON 69KV	42.86727	-0.00115	-0.35484	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SEMINOLE 138KV	497.1523	-0.00208	-0.35291	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SEMINOLE 345KV	1019	-0.00212	-0.35387	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	MIFPU	SIBLEY 161KV	231.5042	0.00154	-0.35753	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	MIFPU	SIBLEY 69KV	45.99999	0.0016	-0.35759	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SMITH COGEN 138KV	107	-0.0023	-0.35369	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SOONER 138KV	535	-0.00311	-0.35288	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SOONER 345KV	537	-0.00315	-0.35284	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SOUTH 4TH ST 69KV	37	-0.00312	-0.35287	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	MIFPU	SOUTH HARPER 161KV	315	0.00112	-0.35711	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	SOUTH SENECA 115KV	10	-0.00323	-0.35566	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.35427	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	SOUTHWESTERN STATION 138KV	712	-0.00172	-0.35427	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SPGCK182 13 200 345KV	78	-0.00254	-0.35345	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SPGCK384 13 200 345KV	37	-0.00254	-0.35345	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	EMDE	STATE LINE 161KV	532	-0.00114	-0.35485	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.35356	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	TINKER SG 138KV	60	-0.00223	-0.35376	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	TULSA POWER STATION 138KV	274	-0.00188	-0.35431	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	WEATHERFORD 34KV	10	-0.0018	-0.35399	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	WELSH 345KV	1044	-0.00097	-0.35502	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	WILKES 138KV	412.7124	-0.00092	-0.35507	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	AEWP	WILKES 345KV	308	-0.0009	-0.35509	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	WOODWARD 24KV	10	-0.00241	-0.35388	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	OKGKE	SMOKEY HILL 34KV	76	0.00865	-0.35191	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	BPU - CITY OF MCPHERSON 115KV	48.56152	-0.09862	-0.27229	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	KNOLL 115KV	69.55067	0.00722	-0.27229	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01958	-0.24655	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGKE	AES 161KV	101	-0.0018	-0.23599	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ASBURY 161KV	191	-0.00112	-0.23395	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	BULL CREEK 161KV	308	0.00169	-0.23676	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGKE	CENTRAL WIND 34KV	16	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CHANUTE 69KV	56.037	-0.00189	-0.23318	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF AUGUSTA 69KV	10.023	-0.0037	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF FREDONIA 69KV	3.19	-0.00226	-0.23281	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF GIRARD 69KV	3.6	-0.0014	-0.23267	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	CITY OF HIGHLAND 69KV	30.9026	0.0111	-0.23625	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF MULVANE 69KV	8.23	-0.00644	-0.23283	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.22993	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CLIFTON 115KV	51.81384	-0.00567	-0.2294	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CLOUD COUNTY 34KV	100	-0.01207	-0.223	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.368	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	COGENTRIX 345KV	965	-0.00167	-0.2334	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	COLBY 115KV	12.74461	0.01135	-0.24642	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	COMANCHE 138KV	145	-0.00188	-0.23339	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	COMANCHE 69KV	107	-0.00189	-0.23338	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	EASTMAN 138KV	355	-0.00089	-0.23418	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ELK RIVER 345KV	44.93687	-0.00452	-0.23055	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	ELLIS 69KV	6.6	-0.00109	-0.23398	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EMPIRIA ENERGY CENTER 345KV	610	0.00225	-0.23732	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EVANS ENERGY CENTER 138KV	636	-0.00783	-0.22724	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	FITZHUGH 161KV	109	-0.00096	-0.23411	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEWP	FLINT CREEK 161KV	400	-0.00131	-0.23376	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGKE	FPLWIND2 34KV	8	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 138KV	185	-0.00679	-0.22828	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.22828	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00635	-0.24142	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.00851	-0.24358	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIFPU	GREENWOOD 161KV	68.79993	0.00123	-0.23663	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	HARPER 138KV	8.600001	-0.0048	-0.23401	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	HAWTHORN 161KV	762	0.00177	-0.23684	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HOLTON 115KV	12.2	0.0028	-0.23787	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGKE	HORSESHOE LAKE 138KV	796	-0.00225	-0.23282	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGKE	HORSESHOE LAKE 69KV	470	-0.00225	-0.23282	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	IATAN 345KV	396	0.0037	-0.23877	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.24035	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.24931	7

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SOONER 345KV	537	-0.00315	-0.23192	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	DKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.23195	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MPFU	SOUTH HARPER 161KV	315	0.0112	-0.23219	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	SOUTH SENECA 115KV	8.5	-0.00033	-0.23474	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	712	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SPGCK182 13.200 345KV	78	-0.00254	-0.23253	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	SPGCK284 13.200 345KV	37	-0.00254	-0.23253	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	STATE LINE 161KV	532	-0.00114	-0.23393	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.23264	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	TINKER SG 138KV	80	-0.00223	-0.23284	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	TULSA POWER STATION 138KV	274	-0.0168	-0.23238	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.23354	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WELSH 345KV	1044	-0.00097	-0.2341	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 138KV	412.7124	-0.00092	-0.23415	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 345KV	308	-0.0009	-0.23417	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	WOODWARD 24KV	10	-0.00231	-0.23278	7
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.19467	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HUTCHINSON ENERGY CENTER 115KV	285	-0.03347	-0.2016	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.03329	-0.20178	8
MIDW	YIONS 115KV	999	-0.09403	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.19308	9
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIDW	KNOLL 115KV	69.55067	0.03722	-0.13584	12
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	BPU - CITY OF MCPHERSON 115KV	48.56152	-0.09862	-0.13645	12
MIDW	YIONS 115KV	999	-0.09403	MIDW	KNOLL 115KV	69.55067	0.03722	-0.1325	12
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.12952	13
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.35599	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.23507	-0.10262	14
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.11286	14
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.01058	-0.1092	15
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIDW	COLBY 115KV	12.74461	0.01135	-0.10997	15
MIDW	YIONS 115KV	999	-0.09403	MIDW	COLBY 115KV	12.74461	0.01135	-0.10997	15
MIDW	YIONS 115KV	999	-0.09403	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.10827	15
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	BULL CREEK 161KV	308	0.00169	-0.10031	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.0999	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	EMPIRIA ENERGY CENTER 345KV	610	0.0025	-0.10087	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00635	-0.10497	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	GREENWOOD 161KV	68.79993	0.00123	-0.09985	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	HAWTHORN 161KV	762	0.00177	-0.10039	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	HOLTON 115KV	12.2	0.0028	-0.10142	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	IATAN 345KV	396	0.0037	-0.10232	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.1039	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WEPL	LADDSON LARGE 115KV	96.60031	0.00632	-0.10434	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	LAKE ROAD 161KV	35	0.00255	-0.10197	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	LAKE ROAD 24KV	76	0.0025	-0.10317	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	LAWRENCE ENERGY CENTER 230KV	233.788	0.0007	-0.09932	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	MARSHALL 161KV	15	0.00099	-0.09961	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	MONTROSE 161KV	355.8243	0.00108	-0.0997	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACY	MONTROSE 161KV	38.63004	0.00186	-0.1006	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACY	NEARMAP 20KV	235	0.00188	-0.1005	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	NORTHEAST 13KV	110	0.00183	-0.10045	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	NORTHEAST 161KV	105.5109	0.00183	-0.10045	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00079	-0.09941	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	QUINDARO 161KV	118.0559	0.00079	-0.09941	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	QUINDARO 69KV	72	0.00188	-0.1005	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	SIBLEY 161KV	231.5042	0.00154	-0.10016	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	SIBLEY 69KV	45.99999	0.0016	-0.10022	16
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	MIFU	SOUTH HARPER 161KV	315	0.00112	-0.09874	16
WERE	CITY OF AUGUSTA 69KV	17.84	-0.00577	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10085	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00326	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09931	16
WERE	CITY OF MULVANE 69KV	7.5	-0.00644	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10249	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00514	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10119	16
WERE	CLIFTON 115KV	13.18616	-0.00567	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10119	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.00783	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10388	16
WERE	GETTY 69KV	35	-0.00562	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10167	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00678	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10283	16
WERE	GILL ENERGY CENTER 69KV	8	-0.00678	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10284	16
WERE	HARPER 138KV	8.609999	-0.00468	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10283	16
MIDW	YIONS 115KV	999	-0.09403	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.01058	-0.10461	16
MIDW	YIONS 115KV	999	-0.09403	WEPL	GRAY COUNTY WIND FARM 115KV	36	0.00635	-0.10038	16
MIDW	YIONS 115KV	999	-0.09403	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97778	0.00851	-0.10254	16
MIDW	YIONS 115KV	999	-0.09403	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.1039	16
MIDW	YIONS 115KV	999	-0.09403	WEPL	LADDSON LARGE 115KV	96.60031	0.00632	-0.10035	16
MIDW	YIONS 115KV	999	-0.09403	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09974	16
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00312	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09917	16
WERE	WACOD 138KV	30	-0.00688	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.10294	16
MIFU	ARIES 161KV	595	0.00112	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09885	17
AEPW	ARSENAL HILL 69KV	110	-0.00082	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09687	17
EMDE	ASBURY 161KV	20	-0.00112	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09717	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	AES 161KV	320	-0.00108	-0.09754	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	ASBURY 161KV	131	-0.00112	-0.09875	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	CENTENAL WIND 34KV	16	-0.0023	-0.09631	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	CHANUTE 69KV	56.037	-0.00189	-0.09673	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	CITY OF WINFIELD 69KV	12.68001	-0.00514	-0.09748	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	COFFEY COUNTY WIND 2 SHARPE 69KV	98	-0.0032	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	COGENTRIX 345KV	965	-0.00167	-0.09695	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	COMANCHE 138KV	145	-0.00168	-0.09694	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	COMANCHE 69KV	60	-0.00169	-0.09693	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	EASTMAN 138KV	355	-0.00089	-0.09778	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	EMDE	ELK RIVER 345KV	44.93687	-0.00452	-0.0941	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	ELLIS 69KV	6.6	-0.00109	-0.09753	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	FITZLUUGH 161KV	109	-0.00096	-0.09766	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.09731	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	FRYLAND 24KV	8	-0.0023	-0.09631	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WEPL	HARPER 138KV	8.600001	-0.0046	-0.09402	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.09637	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	OKGE	HORSESHOE LAKE 69KV	116	-0.0022	-0.09642	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	KNOWLES 138KV	234	-0.00086	-0.09578	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	KACP	LACYONE UNIT 345KV	958	-0.00009	-0.09853	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	EMDE	LARUSSEL 161KV	100	-0.00093	-0.09769	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	AEPW	LEBROCK 345KV	315	-0.00089	-0.09773	17
WERE	BPU -								

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

WERE	CITY OF FREDONIA 69KV	7.104	-0.00226	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09831	17
WERE	CITY OF GIRARD 69KV	7.71	-0.0014	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09745	17
WERE	CITY OF IOLA 69KV	42.878	-0.0016	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09765	17
WERE	CITY OF NEODESHA 69KV	6.738	-0.00217	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09822	17
AEPW	COGENTRIX 345KV	179	-0.00167	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09772	17
AEPW	COMANCHE 138KV	15	-0.00168	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09773	17
AEPW	EASTMAN 138KV	130.01	-0.00089	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09694	17
AEPW	ELLIS 69KV	19.4	-0.00109	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09714	17
WERE	EMPORIA ENERGY CENTER 345KV	201	0.00225	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.0938	17
AEPW	FITZHUGH 161KV	17	-0.00096	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09701	17
AEPW	FLINT CREEK 161KV	28	-0.00131	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09736	17
AEPW	FULTON 115KV	32.99999	-0.00078	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09768	17
KACP	GARDNER 161KV	11	0.0017	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09435	17
MIPU	GREENWOOD 161KV	183.0001	0.00123	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09482	17
KACP	HAWTHORN 161KV	39	0.00177	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09428	17
OKGE	HORSESHOE LAKE 138KV	64	-0.00225	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09683	17
KACY	KIWI 69KV	242	0.00187	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09418	17
AEPW	KIOWA 345KV	1348	-0.00175	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.0978	17
AEPW	KNOXLEE 138KV	139	-0.00089	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09694	17
MIPU	LAKE ROAD 161KV	91	0.00255	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09335	17
EMDE	LARUSSEL 161KV	198	-0.00293	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09698	17
WERE	LAWRENCE ENERGY CENTER 230KV	35.21198	0.0007	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09535	17
AEPW	LEBROCK 345KV	382	-0.00089	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09694	17
AEPW	LIEBERMAN 138KV	272	-0.00084	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09689	17
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00092	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09697	17
MIDW	Yorns 115kv	999	-0.09403	KACP	BULL CREEK 161KV	308	0.00169	-0.09573	17
MIDW	Yorns 115kv	999	-0.09403	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.09521	17
MIDW	Yorns 115kv	999	-0.09403	WERE	EMPORIA ENERGY CENTER 345KV	610	0.00225	-0.09628	17
MIDW	Yorns 115kv	999	-0.09403	MIPU	GREENWOOD 161KV	68.79993	0.00123	-0.09526	17
MIDW	Yorns 115kv	999	-0.09403	KACP	HAWTHORN 161KV	76	0.00177	-0.09568	17
MIDW	Yorns 115kv	999	-0.09403	WERE	HOLTON 115KV	12.2	0.0028	-0.09583	17
MIDW	Yorns 115kv	999	-0.09403	KACP	IATAN 345KV	396	0.0037	-0.09773	17
MIDW	Yorns 115kv	999	-0.09403	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.09394	17
MIDW	Yorns 115kv	999	-0.09403	MIPU	LAKE ROAD 161KV	35	0.00255	-0.09588	17
MIDW	Yorns 115kv	999	-0.09403	WERE	LAKE ROAD 34KV	92	0.0025	-0.09568	17
MIDW	Yorns 115kv	999	-0.09403	WERE	LAWRENCE ENERGY CENTER 230KV	233.788	0.0007	-0.09473	17
MIDW	Yorns 115kv	999	-0.09403	KACP	MARSHALL 161KV	15	0.00099	-0.09502	17
MIDW	Yorns 115kv	999	-0.09403	KACP	MONTROSE 161KV	355.8243	0.00108	-0.09511	17
MIDW	Yorns 115kv	999	-0.09403	KACP	NEARMAN 161KV	38.6304	0.00188	-0.09591	17
MIDW	Yorns 115kv	999	-0.09403	KACY	NEARMAN 20KV	235	0.00188	-0.09591	17
MIDW	Yorns 115kv	999	-0.09403	KACP	NORTHEAST 13KV	110	0.00183	-0.09586	17
MIDW	Yorns 115kv	999	-0.09403	KACP	NORTHEAST 161KV	105.6199	0.00183	-0.09586	17
MIDW	Yorns 115kv	999	-0.09403	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.09532	17
MIDW	Yorns 115kv	999	-0.09403	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00079	-0.09562	17
MIDW	Yorns 115kv	999	-0.09403	KACY	QUINDARO 161KV	118.0559	0.00188	-0.09591	17
MIDW	Yorns 115kv	999	-0.09403	KACY	QUINDARO 69KV	72	0.00188	-0.09591	17
MIDW	Yorns 115kv	999	-0.09403	MIPU	SIBLEY 161KV	231.5042	0.00154	-0.09557	17
MIDW	Yorns 115kv	999	-0.09403	MIPU	SIBLEY 69KV	45.99999	0.00118	-0.09563	17
MIDW	Yorns 115kv	999	-0.09403	MIPU	SOUTH HARPER 161KV	515	0.00112	-0.09515	17
MIDW	Yorns 115kv	999	-0.09403	WERE	SOUTH SENECA 115KV	8.5	-0.00033	-0.0937	17
KACP	MARSHALL 161KV	39.1	0.00099	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09506	17
OKGE	MICLAIN 138KV	50	-0.00226	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09831	17
AEPW	MID-CONTINENT 138KV	142.11	-0.0015	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09765	17
KACP	MONTROSE 161KV	25.17574	0.00108	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09497	17
OKGE	MUSKOGEE 345KV	17	-0.00154	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09759	17
OKGE	MUSTANG 138KV	49	-0.00232	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09837	17
OKGE	MUSTANG 69KV	15.99999	-0.00232	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09837	17
KACY	NEARMAN 161KV	41.9606	0.00188	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09547	17
MIPU	NEVADA 69KV	20.3	0.00096	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09549	17
KACP	NORTHEAST 13KV	87	0.00183	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09422	17
KACP	NORTHEAST 161KV	111.4381	0.00183	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09422	17
AEPW	NORTHEASTERN STATION 138KV	19.99997	-0.00167	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09773	17
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00166	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09771	17
AEPW	OEC 345KV	1778.03	-0.00163	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09768	17
AEPW	PIRKEE GENERATION 138KV	45	-0.00089	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09694	17
KACY	QUINDARO 161KV	118.8441	0.00188	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09417	17
KACY	QUINDARO 69KV	105	-0.00188	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09523	17
MIPU	RALPH GREEN 69KV	73.7	0.00117	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09488	17
OKGE	REDBUD 345KV	950	-0.00227	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09832	17
MIDW	Reb 115kv	999	-0.00183	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09788	17
EMDE	RIVERTON 161KV	120.2453	-0.00116	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09723	17
EMDE	RIVERTON 69KV	25.13272	-0.00115	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.0972	17
OKGE	SEMINOLE 138KV	7.847687	-0.00208	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09813	17
OKGE	SEMINOLE 345KV	10.60004	-0.00212	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09817	17
MIPU	SIBLEY 161KV	18.49585	0.00154	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09451	17
WERE	SOUTH SENECA 115KV	8.2	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09538	17
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00172	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09777	17
AEPW	SOUTHWESTERN STATION 138KV	350	-0.00172	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09777	17
OKGE	SPOCK&4 13 200 345KV	86	-0.00254	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09859	17
EMDE	STATE LINE 161KV	74	-0.00114	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09716	17
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00243	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09848	17
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0029	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09895	17
AEPW	TONTITOWN 161KV	346.12	-0.00132	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09737	17
AEPW	TULSA POWER STATION 138KV	20	-0.00168	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09773	17
AEPW	TULSA POWER STATION 69KV	80	-0.00168	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09773	17
MIPU	TWA 161KV	32.1	0.00209	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09396	17
AEPW	WEELETKA 138KV	162	-0.00172	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09777	17
AEPW	WILKES 138KV	50.28758	-0.00092	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09697	17
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.09285	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	CITY OF MULVANE 69KV	8.29	-0.00844	-0.09218	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WELP	CLIFTON 115KV	51.81384	-0.00567	-0.09295	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	EVANS ENERGY CENTER 138KV	535	-0.00783	-0.09079	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.09184	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	GILL ENERGY CENTER 69KV	76	-0.00713	-0.09163	18
WELP	CIMARRON RIVER 115KV	47	0.0068	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09825	18
WERE	HOLTON 115KV	7.6	0.0028	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09325	18
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09077	18
WELP	JUDSON LARGE 115KV	6.398689	-0.00632	WERE	SMOKEY HILLS 34KV	76	0.09605	-0.09379	18
MIDW	Yorns 115kv	999	-0.09403	OKGE	AES 161KV	320	-0.00108	-0.09295	18
MIDW	Yorns 115kv	999	-0.09403	EMDE	ASBURY 161KV	191	-0.00112	-0.09291	18
MIDW	Yorns 115kv	999	-0.09403	OKGE	CENTENAL WIND 34KV	16	-0.00231	-0.09172	18
MIDW	Yorns 115kv	999	-0.09403	WERE	CHANUTE 69KV	56.037	-0.00189	-0.09214	18
MIDW	Yorns 115kv	999	-0.09403	WERE	CITY OF BURLINGTON 69KV	1048.25	-0.00328	-0.09077	18
MIDW	Yorns 115kv	999	-0.09403	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.08889	18
MIDW	Yorns 115kv	999	-0.09403	WELP	CLIFTON 115KV	51.81384	-0.00567	-0.08836	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.09077	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	COGENTRIX 345KV	965	-0.00167	-0.09236	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	COMANCHE 138KV	145	0.00168	-0.09235	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	COMANCHE 69KV	60	-0.00169	-0.09234	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	EASTMAN 138KV	355	-0.00089	-0.09314	18
MIDW	Yorns 115kv	999	-0.09403	EMDE	ELK RIVER 345KV	44.93687	-0.00452	-0.08951	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	ELLIS 69KV	6.6	-0.00109	-0.09294	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	FITZHUGH 161KV	109	-0.00096	-0.09307	18
MIDW	Yorns 115kv	999	-0.09403	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.09272	18
MIDW	Yorns 115kv	999	-0.09403	OKGE	FWLWIND 2 34KV	8	-0.00231	-0.09172	18
MIDW	Yorns 115kv	999	-0.09403	WELP	HARPER 138KV	8.600001	-0.0046	-0.08767	18
MIDW	Yorns 115kv	999	-0.09403	OKGE	HORSESHOE LAKE 138KV	786	-0.00225	-0.09178	18
MIDW	Y								

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

MIDW	Yvons 115kV		999	-0.09403	OKJGE	'SOONER 345KV'	537	-0.00315	-0.09088	18
MIDW	Yvons 115kV		999	-0.09403	OKJGE	'SOUTH ATH ST 69KV'	37	-0.0312	-0.09091	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'SOUTHWESTERN STATION 138KV'	287	-0.0172	-0.09231	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'SOUTHWESTERN STATION 138KV'	712	-0.00172	-0.09231	18
MIDW	Yvons 115kV		999	-0.09403	OKJGE	'SPGCK1&2 13.200 345KV'	78	-0.00254	-0.09149	18
MIDW	Yvons 115kV		999	-0.09403	OKJGE	'SPGCK3&4 13.200 345KV'	37	-0.00254	-0.09149	18
MIDW	Yvons 115kV		999	-0.09403	EMDE	'STATE LINE 161KV'	532	-0.00114	-0.09289	18
MIDW	Yvons 115kV		999	-0.09403	WERE	'TECUMSEH ENERGY CENTER 115KV'	133	-0.0243	-0.09343	18
MIDW	Yvons 115kV		999	-0.09403	OKJGE	'TINKER 5G 138KV'	60	-0.00223	-0.0918	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'TULSA POWER STATION 138KV'	274	-0.00168	-0.09235	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'WEATHERFORD 34KV'	12	-0.00153	-0.0925	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'WELSH 345KV'	1044	-0.00097	-0.09311	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'WILKES 138KV'	412,712	-0.00092	-0.09311	18
MIDW	Yvons 115kV		999	-0.09403	AEPWP	'WILKES 345KV'	308	-0.0009	-0.09313	18
MIDW	Yvons 115kV		999	-0.09403	OKJGE	'WOODWARD 24KV'	10	-0.00231	-0.09172	18
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WEPL	'CLOUD COUNTY 34KV'	100	-0.01207	-0.08655	19	
MIDW	COLBY 115KV	12,25539	-0.01135	WERE	'SMOKEY HILLS 34KV'	76	0.08605	-0.09471	19	
MIDW	Yvons 115kV		999	-0.09403	WERE	'CITY OF AUGUSTA 69KV'	20,02	-0.00577	-0.08826	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'CITY OF MULVANE 69KV'	8,29	-0.00644	-0.08759	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'EVANS ENERGY CENTER 138KV'	535	-0.00783	-0.08972	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00678	-0.08725	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00679	-0.08724	19
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01424	WERE	'SMOKEY HILLS 34KV'	76	0.09605	-0.08181	20	
MIDW	Yvons 115kV		999	-0.09403	WEPL	'CLOUD COUNTY 34KV'	100	-0.01207	-0.08196	20
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.07069	23	
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	-0.03329	-0.06515	25	
WERE	BPU - CITY OF MCPHERSON 115KV	163.4385	-0.09862	WERE	'HUTCHINSON ENERGY CENTER 69KV'	30	-0.03329	-0.06533	25	
MIDW	Yvons 115kV		999	-0.09403	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	-0.03347	-0.06556	27
MIDW	Yvons 115kV		999	-0.09403	WERE	'HUTCHINSON ENERGY CENTER 69KV'	30	-0.03329	-0.06574	27
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WERE	'JEFFREY ENERGY CENTER 345KV'	69,55067	0.03722	-0.04771	34	
WERE	EVANS ENERGY CENTER 138KV	38	-0.00783	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04505	36	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	MIDW	'COLBY 115KV'	12,74461	0.01135	-0.04482	36	
WERE	GILL ENERGY CENTER 138KV	84,99999	-0.00678	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.044	37	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.01058	-0.04405	37	
WERE	WAGO 138KV	30	-0.00689	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04411	37	
WERE	CITY OF AUGUSTA 69KV	17,94	-0.00577	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04299	38	
WEPL	CLIFTON 115KV	13,18616	-0.00567	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04289	38	
WERE	'GETTY 69KV'	35	-0.00562	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04284	38	
WERE	CITY OF WINFIELD 69KV	27,30999	-0.00514	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04236	39	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	KACP	'GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV'	22,97778	0.00851	-0.04198	39	
WERE	CITY OF BURLINGTON 69KV	13,7	-0.00326	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04048	40	
WERE	Lawnee 115kV		999	-0.00369	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04091	40
OKJGE	'HORSESHOE LAKE 138KV'	64	-0.00226	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03947	41	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	0.00365	-0.03862	41	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WEPL	'JUDDSON LARGE 115KV'	96,60031	0.00632	-0.03979	41	
OKJGE	'MCLAIN 138KV'	50	-0.00226	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03948	41	
OKJGE	'MUSTANG 138KV'	49	-0.00232	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03954	41	
OKJGE	'MUSTANG 69KV'	15,99999	-0.00232	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03954	41	
OKJGE	'REDBUD 345KV'	950	-0.00227	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03949	41	
OKJGE	'SPGCK&4 13.200 345KV'	86	-0.00254	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03976	41	
WERE	'TECUMSEH ENERGY CENTER 115KV'	28	-0.00243	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03965	41	
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00209	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.04012	41	
WERE	CHANUTE 69KV	24,563	-0.00189	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03911	42	
WERE	CITY OF ERIE 69KV	24,53	-0.00189	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03911	42	
WERE	CITY OF IOLA 69KV	42,878	-0.0016	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03882	42	
AEPWP	'COGENTRIX 345KV'	179	-0.00167	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03888	42	
AEPWP	'COMANCHE 138KV'	15	-0.00168	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03889	42	
AEPWP	'FLINT CREEK 161KV'	28	-0.00131	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.0389	42	
AEPWP	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00528	-0.03875	42	
AEPWP	KIOWA 345KV	1348	-0.00175	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03872	42	
AEPWP	MID-CONTINENT 138KV	142,11	-0.0015	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03872	42	
OKJGE	MUSKOGEE 345KV	17	-0.00154	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03878	42	
AEPWP	NORTHEASTERN STATION 138KV	19,99997	-0.00167	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03889	42	
AEPWP	NORTHEASTERN STATION 345KV	19,99997	-0.00166	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03888	42	
AEPWP	OGC 345KV	1778,03	-0.00163	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03885	42	
MIDW	OGC 115kV	999	-0.00183	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03905	42	
AEPWP	SOUTHWESTERN STATION 138KV	229	-0.00172	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03894	42	
AEPWP	SOUTHWESTERN STATION 138KV	350	-0.00172	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03894	42	
AEPWP	TONTITOWN 161KV	346,12	-0.00132	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03854	42	
AEPWP	TULSA POWER STATION 138KV	20	-0.00168	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.0389	42	
AEPWP	TULSA POWER STATION 69KV	80	-0.00168	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.0389	42	
AEPWP	WELETKA 138KV	162	-0.00172	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03894	42	
AEPWP	'ARSENAL HILL 69KV'	110	-0.00082	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03804	43	
EMDE	'ASBURY 161KV'	20	-0.00112	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03834	43	
AEPWP	EASTMAN 138KV	130,01	-0.00089	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03811	43	
AEPWP	ELLIS 69KV	19,4	-0.00109	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03831	43	
AEPWP	'FITZHUGH 161KV'	17	-0.00096	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03818	43	
AEPWP	FULTON 115KV	32,99999	-0.00078	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.038	43	
AEPWP	'KNOXLEE 138KV'	139	-0.00089	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03811	43	
EMDE	LARUSSEL 161KV	198	-0.00093	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03815	43	
AEPWP	LEBROCK 345KV	382	-0.00089	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03811	43	
AEPWP	LIEBERMAN 138KV	272	-0.00084	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03806	43	
AEPWP	LONESTAR POWER PLANT 69KV	50	-0.00092	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03814	43	
AEPWP	'PIRKEY GENERATION 138KV'	45	-0.00089	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03811	43	
EMDE	RIVERTON 161KV	120,2452	-0.00118	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03834	43	
EMDE	RIVERTON 69KV	25,13272	-0.00115	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03837	43	
EMDE	STATE LINE 161KV	74	-0.00114	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03836	43	
AEPWP	'WILKES 138KV'	50,28758	-0.00092	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03814	43	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	KACP	'LATAN 348KV'	396	0.0037	-0.03717	44	
MIPU	'ARIES 161KV'	596	-0.0012	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03802	45	
MIPU	'GREENWOOD 161KV'	183,0001	-0.00123	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03899	45	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	MIPU	'LAKE ROAD 161KV'	35	0.00255	-0.03802	45	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347	MIPU	'LAKE ROAD 34KV'	92	0.00255	-0.03802	45	
WERE	LAWRENCE ENERGY CENTER 230KV	35,21198	-0.0007	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03853	45	
KACP	'MARSHALL 161KV'	39,1	0.00099	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03823	45	
KACP	MONTROSE 161KV	25,17574	-0.00108	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03814	45	
MIPU	'NEVADA 69KV'	20,3	0.00056	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03866	45	
MIPU	'RAWR GREEN 69KV'	73,7	0.0017	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03805	45	
KACP	'BILL CREEK 161KV'	105	0.00169	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03853	46	
KACP	HAWTHORN 161KV	39	0.00177	MIDW	'KNOLL 115KV'	69,55067	0.03722	-0.03845	46	
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.0							

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

WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	WILKES 138KV	412.7124	-0.00092	-0.03255	50
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	WILKES 345KV	308	-0.0009	-0.03257	50
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	COGENTRIX 345KV	985	-0.0167	-0.0318	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	COMANCHE 138KV	145	-0.00168	-0.03179	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	COMANCHE 69KV	60	-0.00169	-0.03178	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	FLINT CREEK 161KV	400	-0.00131	-0.03216	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	MUSKOGEE 161KV	166	-0.00149	-0.03198	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.03193	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.0318	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.03181	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	OEC 345KV	969	-0.00163	-0.03184	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/EMDE	RIVERTON 161KV	164.7348	-0.00118	-0.03229	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/EMDE	RIVERTON 69KV	42.86277	-0.00115	-0.03232	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.03175	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	SOUTHWESTERN STATION 345KV	712	-0.00172	-0.03175	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/EMDE	STATE LINE 161KV	532	-0.00114	-0.03233	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/AEPW	TULSA POWER STATION 138KV	274	-0.00168	-0.03179	51
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528/MIDW	KNOLL 115KV	69.55067	0.03722	-0.03194	51
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/WERE	CHANUTE 69KV	56.037	-0.00189	-0.03158	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.03122	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	HORSESHOE LAKE 345KV	470	-0.00228	-0.03121	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	MUSTANG 138KV	351	-0.00252	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	MUSTANG 69KV	90	-0.00232	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	REDDUD 345KV	250	-0.00227	-0.0312	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SEMINOLE 138KV	497.1523	-0.00208	-0.03138	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SEMINOLE 345KV	1019	-0.00212	-0.03138	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03117	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	TINKER 55 138KV	60	-0.00223	-0.03124	52
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SPGCK182 13 200 345KV	78	-0.00254	-0.03093	53
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SPGCK34 13 200 345KV	8	-0.00254	-0.03093	53
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.03104	53
WEPL	CIMARRON RIVER 115KV	47	0.0068/MIDW	KNOLL 115KV	69.55067	0.03722	-0.03042	54
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	COGENTRIX 138KV	635	-0.00111	-0.03136	54
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SOONER 345KV	537	-0.00315	-0.03032	54
WERE	HUTCHINSON ENERGY CENTER 115KV	119	-0.03347/OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.03035	54

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

Factor = Source GSF * Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007G1AFS41T1101209SP
 Date Redispatch Needed: Starting 2009/01/11 10/1 Unfil EOC
 Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.1	1.7	WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	MIDW	KNOLL 115KV	68.49275	0.03762	-0.37876	4
1222943	0.5	1.7	WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	SMOKEY HILLS 34KV	0.1034	0.00683	-0.44136	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	A. M. MULLERGENERATOR 115KV	63	-0.00151	-0.33963	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE	AES 161KV	320	-0.00139	-0.33975	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	EMDE	ASBURY 161KV	191	-0.00272	-0.34386	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	BULL CREEK 161KV	308	-0.00357	-0.33757	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE	CENTENIAL WIND 34KV	16	-0.00242	-0.33872	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CHANUTE 69KV	56.037	-0.00242	-0.33872	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	CIMARRON RIVER 115KV	17.81384	0.0047	-0.34584	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.33339	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.33872	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF ERIE 69KV	2	-0.00242	-0.33872	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF FREDONIA 69KV	3.19	-0.00295	-0.33819	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF GIRARD 69KV	3.6	-0.00176	-0.33938	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	CITY OF HIGGSVILLE 69KV	30.9016	0.00186	-0.34341	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF MULVANE 69KV	8.29	-0.00881	-0.33233	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.33408	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	CLIFTON 115KV	65	-0.00326	-0.33788	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.33693	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	COGENTRIX 345KV	635	-0.00111	-0.33936	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	MIDW	COLBY 115KV	13.10927	0.01052	-0.35166	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	COMANCHE 138KV	145	-0.00278	-0.33836	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	COMANCHE 69KV	60	-0.00278	-0.33836	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	EASTMAN 138KV	355	-0.00131	-0.33983	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.33507	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	ELLIS 69KV	6.6	-0.00153	-0.33961	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	EMPORA ENERGY CENTER 345KV	531.2676	0.00403	-0.34517	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	EVANS ENERGY CENTER 138KV	535	-0.0072	-0.33042	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	FITZGH 161KV	200	-0.00326	-0.33936	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.33937	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE	FPLWIND2 34KV	8	-0.00358	-0.33756	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	GILL ENERGY CENTER 138KV	155	-0.00941	-0.33173	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	GILL ENERGY CENTER 69KV	74	-0.00388	-0.34178	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.34482	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00604	-0.34718	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.34332	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	HARPER 138KV	8.600001	-0.00792	-0.33322	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	HAWTHORN 161KV	0.0285	0.00285	-0.34396	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	HOLTON 115KV	12.2	0.00522	-0.34636	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE	HORSESHOE LAKE 138KV	796	-0.0033	-0.33784	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.33791	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	JAFAN 348KV	306	0.00524	-0.34264	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00903	-0.35017	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01802	-0.35916	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.34479	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	KNOXLEE 138KV	294	-0.0013	-0.33984	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	LACY ONE UNIT 345KV	958	0.00331	-0.34145	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	MIPU	LAKE ROAD 161KV	111	0.00369	-0.34483	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	MIPU	LAKE ROAD 34KV	92	0.00369	-0.34483	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	EMDE	LARUSSELL 161KV	100	-0.00116	-0.33998	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.34401	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	LEBROCK 345KV	315	-0.0013	-0.33984	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.33991	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	KACP	MARSHALL 161KV	15	0.00158	-0.34272	5
			WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.3414	OKGE					

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

WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	SOONER 138KV	535	-0.00442	-0.33672	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	SOONER 345KV	537	-0.00449	-0.33665	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	SOUTH 4TH ST 69KV	37	-0.00449	-0.33665	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	MIFPU	SOUTH HARPER 161KV	315	0.0021	-0.34324	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	SOUTH SENECA 115KV	8.5	0.00161	-0.34275	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	SOUTHWESTERN STATION 138KV	287	-0.00282	-0.33832	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	SOUTHWESTERN STATION 138KV	837	-0.00282	-0.33832	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	SPGCK182 13.200 345KV	60	-0.03371	-0.34127	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	EMDE	STATE LINE 161KV	532	-0.0145	-0.33969	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.34127	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	TINKER SG 138KV	60	-0.00329	-0.33785	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	TULSA POWER STATION 138KV	299	-0.00234	-0.3368	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	MIFPU	TWA 161KV	6.035645	0.00323	-0.34437	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	WEATHERFORD 34KV	12	-0.0027	-0.33844	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	WELSH 345KV	1044	-0.00143	-0.33971	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	WILKES 138KV	411.095	-0.00135	-0.33979	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	AEWP	WILKES 345KV	308	-0.00135	-0.33981	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	OKGGE	WOODWARD 24KV	10	-0.00357	-0.33757	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.3274	5
WERE	ABLENE ENERGY CENTER 115KV	5.999996	-0.34114	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.04677	-0.29437	6
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	MIDW	KNOLL 115KV	68.49275	0.03762	-0.2616	6
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.2307	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00683	-0.23081	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	BULL CREEK 161KV	309	0.00272	-0.2267	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	CIMARRON RIVER 115KV	17.81384	0.0047	-0.22688	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.0046	-0.22654	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIDW	COLBY 115KV	13.10927	0.01052	-0.2345	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.22801	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.22766	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	GREENWOOD ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00694	-0.23002	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	GREENWOOD 161KV	217.8	0.00218	-0.22616	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	HAWTHORN 161KV	762	0.00282	-0.2268	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	HOLTON 115KV	12.2	0.00522	-0.2292	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	IATAN 348KV	396	0.00526	-0.22924	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0093	-0.22301	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01802	-0.242	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.22763	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	LAKE ROAD 161KV	111	0.00369	-0.22767	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	LAKE ROAD 34KV	92	0.00369	-0.22767	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.22685	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	MARSHALL 161KV	15	0.00158	-0.22556	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	MONTROSE 161KV	353.5817	0.00189	-0.22587	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NERRMAN 161KV	45	0.00303	-0.22701	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NERRMAN 20KV	23.15	0.00303	-0.22701	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	NORTHEAST 13KV	96	0.00291	-0.22689	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.22553	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	QUINDARO 161KV	162.6068	0.00302	-0.227	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	QUINDARO 69KV	129.4	0.00301	-0.22699	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	RALPH GREEN 69KV	71.7	0.00209	-0.22607	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	SIBLEY 161KV	230.4487	0.0025	-0.22648	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	SIBLEY 69KV	45.99999	0.00258	-0.22656	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	SOUTH HARPER 161KV	315	0.0021	-0.22608	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	SOUTH SENECA 115KV	8.5	0.00161	-0.22569	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	TWA 161KV	6.035645	0.00323	-0.22721	7
MIDW	lyons 115kv	999	-0.12222	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.22564	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	AES 161KV	320	-0.00151	-0.22247	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	ASBURY 161KV	191	-0.00139	-0.22239	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	CENTENIAL WIND 34KV	16	-0.00357	-0.22041	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CHANUTE 69KV	56.037	-0.00242	-0.22156	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.21623	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.21977	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF FREDONIA 69KV	3.19	-0.00295	-0.22103	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF GIRARD 69KV	3.6	-0.00176	-0.22222	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF MULVANE 69KV	8.29	-0.00881	-0.21517	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.21692	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	CLIFFTON 115KV	65	-0.00326	-0.22072	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.88	-0.00221	-0.22077	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	COGENTRIX 345KV	200	-0.00235	-0.22163	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	COMANCHE 138KV	145	-0.00278	-0.2212	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	COMANCHE 69KV	60	-0.00278	-0.2212	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	EASTMAN 138KV	80	-0.00137	-0.22267	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	ELK RIVER 345KV	149.9989	-0.00607	-0.21791	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	ELLIS 69KV	6.6	-0.00153	-0.22245	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.21326	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	FITZLUIGH 161KV	109	-0.00135	-0.22263	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	FUNT CREEK 161KV	400	-0.0014	-0.22321	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	FPLW22 34KV	8	-0.00358	-0.2204	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	GILL ENERGY CENTER 138KV	155	-0.00941	-0.21457	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.2146	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	WEPL	HARPER 138KV	8.600021	-0.0078	-0.21606	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	HORSESHOE LAKE 138KV	796	-0.0033	-0.22038	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.22075	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	KNOXLEE 138KV	284	-0.0013	-0.22228	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	KACP	LACYONE UNIT 345KV	958	0.00331	-0.22429	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	LARISSEL 161KV	100	-0.00116	-0.22263	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	LEBROCK 345KV	315	-0.0013	-0.22268	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	LIEBERMAN 138KV	96.85791	-0.00123	-0.22275	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	MCCLAIN 138KV	470	-0.00335	-0.22263	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	MUSKOGEE 161KV	166	-0.00209	-0.22168	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	MUSKOGEE 345KV	1548	-0.00217	-0.22181	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	MUSTANG 138KV	351	-0.00342	-0.22056	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	MUSTANG 69KV	90	-0.00342	-0.22056	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	NARROWS 69KV	22	-0.00155	-0.22243	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	MIFPU	NEVADA 69	11	0.001	-0.22068	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	NORTHEASTERN STATION 138KV	488	-0.00229	-0.22169	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	NORTHEASTERN STATION 345KV	625	-0.00226	-0.22172	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	OEC 345KV	269	-0.00227	-0.22171	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	OZARK BEACH 161KV	16	-0.00686	-0.21696	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	AEWP	PIRKEY GENERATION 138KV	243	-0.0013	-0.22268	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	OKGGE	REBUD 345KV	150	-0.0033	-0.22068	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.22247	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.22398	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.22251	8</

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

WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00196	-0.13121	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	CLIFTON 115KV	65	-0.00326	-0.12599	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COGENTRV 345KV	230	0.00235	-0.12869	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COMANCHE 138KV	145	-0.00278	-0.12647	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	COMANCHE 69KV	60	-0.00278	-0.12647	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	EASTMAN 138KV	355	-0.00131	-0.12794	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	ELLIS 69KV	5.6	-0.00153	-0.12772	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00402	-0.13028	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	FITZHUGH 161KV	109	-0.00135	-0.1279	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	FLINT CREEK 161KV	400	-0.00177	-0.12748	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	FPLW22 34KV	8	-0.00358	-0.12567	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.13028	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	GREENWOOD 161KV	247.8	0.00218	-0.13143	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	HAWTHORN 161KV	762	0.00282	-0.13207	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	HOLTON 115KV	12.2	0.00522	-0.13447	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	HORSESHOE LAKE 138KV	796	-0.0033	-0.12595	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	HORSESHOE LAKE 69KV	16	-0.00323	-0.12502	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	IATAN 345KV	396	0.00526	-0.13451	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.1329	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	KNOXLEE 138KV	284	-0.0013	-0.12795	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	LACYONE UNIT 345KV	958	0.00331	-0.12595	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	LAKE ROAD 161KV	111	0.00369	-0.13294	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	LAKE ROAD 34KV	92	0.00369	-0.13294	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	LARUSSE 161KV	100	-0.00116	-0.12809	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.13212	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	LEBROCK 345KV	315	-0.0013	-0.12776	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.12802	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	MARSHALL 161KV	15	0.00158	-0.13083	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	MCCLAIN 138KV	470	-0.00335	-0.1259	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	MONTROSE 161KV	353.5817	0.00189	-0.13216	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	MUSKOGEE 161KV	166	-0.00209	-0.12716	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	MUSKOGEE 345KV	1548	-0.00217	-0.12708	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	MUSTANG 138KV	351	-0.00342	-0.12583	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	MUSTANG 69KV	90	-0.00342	-0.12583	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NARROWS 69KV	22	-0.0015	-0.1277	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	NEARMAN 161KV	45	0.00303	-0.13228	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	NEARMAN 20KV	234.5	0.00303	-0.13228	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	NEVADA 69KV	18.3	0.0011	-0.13035	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	NORTHEAST 138KV	36	0.00291	-0.13114	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NORTHEASTERN STATION 138KV	488	-0.00229	-0.12695	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	NORTHEASTERN STATION 345KV	625	-0.00226	-0.12699	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	OEC 345KV	269	-0.00227	-0.12698	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.12936	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.01545	-0.13268	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.12795	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	QUINDARO 161KV	162.6068	0.00302	-0.13227	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	KACY	QUINDARO 69KV	129.4	0.00301	-0.13226	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	RALPH GREEN 69KV	7.1	0.00208	-0.13138	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	REDBLD 345KV	150	-0.0033	-0.12595	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.12774	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.12778	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SEMINOLE 138KV	462.0428	-0.00307	-0.12618	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SEMINOLE 345KV	1019	-0.00145	-0.1278	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	SIBLEY 161KV	230.4487	0.0025	-0.13175	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	SIBLEY 69KV	45.99999	0.00258	-0.13183	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SMITH COGEN 138KV	107	-0.0034	-0.12585	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	SOUTH HARPER 161KV	315	0.0021	-0.13135	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	SOUTH SENA 115KV	9	0.0018	-0.13086	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00282	-0.12843	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	SOUTHWESTERN STATION 230KV	837	-0.00282	-0.12843	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SPGCK182 13-200 345KV	60	-0.00371	-0.12554	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	STATE LINE 161KV	532	-0.00145	-0.1278	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.12938	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	TINKER 5G 138KV	60	-0.00329	-0.12596	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	TWILA POWER STATION 138KV	299	-0.00234	-0.12691	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	MIFU	TWA 161KV	6.035645	0.00323	-0.12948	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WEATHERFORD 34KV	77	-0.0015	-0.12865	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WELSH 345KV	1044	-0.00143	-0.12782	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 138KV	411.095	-0.00135	-0.1279	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	AEPW	WILKES 345KV	308	-0.00133	-0.12792	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	WOODWARD 24KV	1	-0.0035	-0.12569	13
MIDW	Yions 115kv	999	-0.12222	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	0.00683	-0.12505	13
MIDW	Yions 115kv	999	-0.12222	WEPL	CIMARRON RIVER 115KV	17.81384	0.0047	-0.12692	13
MIDW	Yions 115kv	999	-0.12222	MIDW	COLBY 115KV	13.10927	0.01052	-0.13274	13
MIDW	Yions 115kv	999	-0.12222	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.12625	13
MIDW	Yions 115kv	999	-0.12222	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.13028	13
MIDW	Yions 115kv	999	-0.12222	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00604	-0.12826	13
MIDW	Yions 115kv	999	-0.12222	WERE	HOLTON 115KV	12.2	0.00522	-0.13444	13
MIDW	Yions 115kv	999	-0.12222	KACP	IATAN 345KV	396	0.00526	-0.13451	13
MIDW	Yions 115kv	999	-0.12222	WERE	JEFFREY ENERGY CENTER 230KV	234.8197	0.00287	-0.13212	13
MIDW	Yions 115kv	999	-0.12222	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.1329	13
MIDW	Yions 115kv	999	-0.12222	MIFU	LAKE ROAD 161KV	111	0.00369	-0.13294	13
MIDW	Yions 115kv	999	-0.12222	MIFU	LAKE ROAD 34KV	92	0.00369	-0.13294	13
MIDW	Yions 115kv	999	-0.12222	KACY	NEARMAN 161KV	45	0.00303	-0.13229	13
MIDW	Yions 115kv	999	-0.12222	KACY	NEARMAN 20KV	234.5	0.00303	-0.13226	13
MIDW	Yions 115kv	999	-0.12222	KACY	QUINDARO 161KV	162.6068	0.00302	-0.13224	13
MIDW	Yions 115kv	999	-0.12222	KACY	QUINDARO 69KV	129.4	0.00301	-0.13223	13
MIDW	Yions 115kv	999	-0.12222	MIFU	TWA 161KV	6.035645	0.00323	-0.12545	13
WERE	ABILENE ENERGY CENTER 115KV	5.999998	-0.34114	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.22888	-0.11716	13
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.12125	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.12504	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF MULVANE 69KV	8.29	-0.00881	-0.12044	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00706	-0.12219	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	198	-0.0042	-0.12564	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	EMDE	ELK RIVER 345KV	149.9999	-0.00607	-0.12318	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.11853	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	GILL ENERGY CENTER 138KV	165	-0.00941	-0.11984	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WERE	GILL ENERGY CENTER 69KV	75	-0.00838	-0.11987	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	WEPL	HARPER 138KV	8.600001	-0.00782	-0.12133	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SOONER 128KV	535	-0.00442	-0.12483	14
WERE	BPJU - CITY OF MCPHERSON 115KV	232	-0.12925	OKGE	SOONER 345KV	537	-0.00449	-0.12476	14
WERE	BPJU - CITY OF MCPHERSON 115KV	2							

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

MIDW	Yvons 115kV	999	-0.12222	KACP	NORTHEAST 13KV	36	0.00291	-0.12513	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	NORTHEASTERN STATION 138KV	488	-0.00229	-0.11993	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	NORTHEASTERN STATION 345KV	626	-0.00228	-0.11996	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	OEC 345KV	269	-0.00227	-0.11995	14
MIDW	Yvons 115kV	999	-0.12222	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.12133	14
MIDW	Yvons 115kV	999	-0.12222	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.12377	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.12092	14
MIDW	Yvons 115kV	999	-0.12222	MIPU	RALPH GREEN 69KV	717	0.00238	-0.12431	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	REDBUD 345KV	150	-0.0033	-0.11892	14
MIDW	Yvons 115kV	999	-0.12222	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.12071	14
MIDW	Yvons 115kV	999	-0.12222	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.12075	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SEMINOLE 138KV	462.0428	-0.00307	-0.11918	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SEMINOLE 345KV	1019	-0.00313	-0.11909	14
MIDW	Yvons 115kV	999	-0.12222	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.12472	14
MIDW	Yvons 115kV	999	-0.12222	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.1248	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SMITH COGEN 138KV	107	-0.0034	-0.11882	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SOONER 138KV	535	-0.00442	-0.1178	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SOONER 345KV	537	-0.00449	-0.11773	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SOUTH 4TH ST 69KV	37	-0.00449	-0.11773	14
MIDW	Yvons 115kV	999	-0.12222	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.12432	14
MIDW	Yvons 115kV	999	-0.12222	WERE	SOUTH SENECA 115KV	2.5	0.0161	-0.12383	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00252	-0.1194	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	SOUTHWESTERN STATION 138KV	837	-0.00282	-0.1194	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	SPGCK1&2 13.200 345KV	60	-0.00371	-0.11851	14
MIDW	Yvons 115kV	999	-0.12222	EMDE	STATE LINE 161KV	532	-0.00146	-0.12077	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	TECUMSEH ENERGY CENTER 115KV	193	0.00042	-0.11223	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	TINKER 5G 138KV	60	-0.00329	-0.11893	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	TULSA POWER STATION 138KV	299	-0.00234	-0.11988	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	WEATHERFORD 34KV	12	-0.0027	-0.11952	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	WELSH 345KV	1044	-0.0143	-0.12079	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	WILKES 158KV	411.095	-0.00135	-0.12087	14
MIDW	Yvons 115kV	999	-0.12222	AEPW	WILKES 345KV	308	-0.00133	-0.12089	14
MIDW	Yvons 115kV	999	-0.12222	OKGE	WOODWARD 24KV	10	-0.00357	-0.11865	14
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00775	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11117	15
WERE	CITY OF MULVANE 69KV	7.5	-0.00881	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11223	15
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00706	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11048	15
WERE	EVANS ENERGY CENTER 138KV	38	-0.01072	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11414	15
WERE	GETTY 69KV	35	-0.00747	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11089	15
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00941	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11283	15
WERE	GILL ENERGY CENTER 69KV	8	-0.00938	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.1128	15
WEPL	HARPER 138KV	8.609999	-0.00792	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11134	15
MIDW	Yvons 115kV	999	-0.12222	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.11447	15
MIDW	Yvons 115kV	999	-0.12222	WERE	CITY OF MULVANE 69KV	8.29	-0.00881	-0.11341	15
MIDW	Yvons 115kV	999	-0.12222	WERE	CITY OF WINFIELD 69KV	12.88001	-0.00706	-0.11516	15
MIDW	Yvons 115kV	999	-0.12222	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.11615	15
MIDW	Yvons 115kV	999	-0.12222	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.1115	15
MIDW	Yvons 115kV	999	-0.12222	WERE	GILL ENERGY CENTER 138KV	165	-0.00941	-0.11281	15
MIDW	Yvons 115kV	999	-0.12222	WERE	GILL ENERGY CENTER 69KV	8	-0.00938	-0.1128	15
MIDW	Yvons 115kV	999	-0.12222	WEPL	HARPER 138KV	6.800001	-0.00792	-0.1143	15
MIDW	Yvons 115kV	999	-0.00984	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11326	15
WERE	WACO 138KV	30	-0.00954	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.11296	15
AEPW	ARSENAL HILL 69KV	110	-0.00121	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10463	16
EMDE	ASBURY 161KV	20	-0.00139	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10541	16
WERE	CHANUTE 69KV	24.563	-0.00242	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10584	16
WERE	CITY OF BURLINGTON 69KV	13.7	-0.00421	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10763	16
WERE	CITY OF ERIE 69KV	24.53	-0.00242	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10584	16
WERE	CITY OF FREDONIA 69KV	7.104	-0.00295	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10637	16
WERE	CITY OF GIRARD 69KV	7.1	-0.00176	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10527	16
WERE	CITY OF IOLA 69KV	42.878	-0.002	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10542	16
WERE	CITY OF NEODESHA 69KV	6.738	-0.00284	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10626	16
AEPW	COGENTRIX 345KV	694	-0.00235	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10577	16
AEPW	DOMANICHE 138KV	15	-0.00278	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10262	16
AEPW	EASTMAN 138KV	130.01	-0.00131	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10473	16
AEPW	ELLIS 69KV	19.4	-0.00153	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10495	16
AEPW	FITZHUGH 161KV	17	-0.00135	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10477	16
AEPW	FLINT CREEK 161KV	28	-0.00177	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10519	16
AEPW	FULTON 115KV	32.99999	-0.00114	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10545	16
OKGE	HORSESHOE LAKE 138KV	64	-0.0033	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10672	16
AEPW	KIOWA 345KV	1348	-0.0026	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10602	16
AEPW	KNOXLEE 138KV	138	-0.0013	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10472	16
EMDE	LARUSSEL 161KV	198	-0.00116	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10458	16
AEPW	LEBROCK 345KV	382	-0.00113	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10472	16
AEPW	LIEBERMAN 138KV	131.1421	-0.00123	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10465	16
AEPW	LONE STAR POWER PLANT 69KV	50	-0.00136	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10478	16
OKGE	MCLAIN 138KV	50	-0.00335	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10677	16
AEPW	MID-CONTINENT 138KV	142.11	-0.00205	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10547	16
OKGE	MUSKOGEE 345KV	17	-0.00217	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10559	16
OKGE	MUSTANG 138KV	49	-0.00342	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10684	16
OKGE	MUSTANG 69KV	15.99999	-0.00342	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10684	16
AEPW	NORTHEASTERN STATION 138KV	19.99997	-0.00229	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10571	16
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00226	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10568	16
AEPW	OEC 345KV	1878.03	-0.00227	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10569	16
AEPW	PIRKEY GENERATION 138KV	45	-0.0013	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10472	16
OKGE	REDBUD 345KV	1050	-0.00333	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10672	16
MIDW	River 115kV	999	-0.0025	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10560	16
EMDE	RIVERTON 161KV	128.8467	-0.00151	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10493	16
EMDE	RIVERTON 69KV	25.0058	-0.00147	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10489	16
OKGE	SEMINOLE 138KV	42.95718	-0.00307	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10649	16
OKGE	SEMINOLE 345KV	10.60004	-0.00313	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10565	16
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00449	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10791	16
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00282	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10624	16
AEPW	SOUTHWESTERN STATION 138KV	225	-0.00282	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10624	16
EMDE	SPGCK1&2 13.200 345KV	18	-0.00371	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10713	16
OKGE	SPGCK&2 13.200 345KV	168	-0.00371	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10713	16
OKGE	STATE LINE 161KV	74	-0.00145	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10487	16
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00013	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10329	16
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00027	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10369	16
AEPW	TONTOWN 161KV	346.132	-0.00161	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10522	16
AEPW	TULSA POWER STATION 69KV	80	-0.00234	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10576	16
AEPW	WEELETKA 138KV	162	-0.00249	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10591	16
AEPW	WILKES 138KV	51.90497	-0.00135	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10477	16
MIPU	ARIES 161KV	585	0.00215	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10127	17
KACP	BULL CREEK 161KV	195	0.00272	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.1007	17
WEPL	CIMARRON RIVER 115KV	29.18616	0.0047	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.09872	17
WERE	EMPORIA ENERGY CENTER 345KV	279.7324	0.00403	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.09939	17
KACP	GARDNER 161KV	11	0.00275	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10067	17
KACP	HAWTHORN 161KV	39	0.00282	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.1006	17
WERE	HOLTON 115KV	7.6	0.00522	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.09882	17
WEPL	JUDSON LARGE 115KV	6.340179	0.00365	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.09977	17
KACY	KAW 69KV	242	0.003	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10042	17
WERE	LAWRENCE ENERGY CENTER 230KV	34.18027	0.00287	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10055	17
KACP	MARSHALL 161KV	29.11	0.00158	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10184	17
KACP	MONTROSE 161KV	27.41826	0.00189	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10153	17
KACP	NEARMAN 161KV	35	0.00303	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10039	17
KACP	NORTHEAST 13KV	221	0.00291	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10051	17
KACP	NORTHEAST 161KV	255.71	0.00291	WERE	SMOKEY HILLS 34KV	152	0.10342	-0.10051	17
KACY									

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00604	-0.05258	32
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WEPL	CIARRON RIVER 115KV	17.81394	0.0047	-0.05147	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.05028	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.05045	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	HOLTON 115KV	12.2	0.00522	-0.05199	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	LAKE ROAD 161KV	111	0.00369	-0.05046	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	LAKE ROAD 34KV	92	0.00369	-0.05046	33
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WEPL	CIARRON RIVER 115KV	17.81394	0.004	-0.05124	33
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	EMPORIA ENERGY CENTER 345KV	531.2676	0.00403	-0.05057	33
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	HOLTON 115KV	12.2	0.00522	-0.05176	33
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	IATAN 34KV	396	0.0026	-0.0518	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	BULL CREEK 161KV	308	0.00272	-0.0498	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	HAWTHORN 161KV	762	0.00252	-0.04859	33
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.05042	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.04964	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACY	NEARMAN 161KV	45	0.00303	-0.0498	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACY	NEARMAN 20KV	234.5	0.00303	-0.0498	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	NORTHEAST 13KV	36	0.00291	-0.04968	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACY	QUINDARO 161KV	162.6068	0.00302	-0.04979	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACY	QUINDARO 69KV	129.4	0.00301	-0.04978	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.04927	34
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04935	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	BULL CREEK 161KV	308	0.00272	-0.04926	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00368	-0.05022	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	HAWTHORN 161KV	762	0.00282	-0.04936	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WEPL	JUDSON LARGE 115KV	96.65982	0.00365	-0.05013	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	LAKE ROAD 161KV	111	0.00369	-0.05023	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	LAKE ROAD 34KV	92	0.00369	-0.05023	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	LAWRENCE ENERGY CENTER 230KV	234.8197	0.00287	-0.04941	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	NEARMAN 161KV	45	0.00303	-0.04957	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACY	NEARMAN 20KV	234.5	0.00303	-0.04957	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	NORTHEAST 13KV	36	0.00291	-0.04945	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACY	QUINDARO 161KV	162.6068	0.00302	-0.04956	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACY	QUINDARO 69KV	129.4	0.00301	-0.04955	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SIBLEY 161KV	230.4487	0.0025	-0.04904	34
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SIBLEY 69KV	45.99999	0.00258	-0.04912	34
WERE	EVANS ENERGY CENTER 138KV	38	-0.01072	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04834	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00196	-0.04873	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.04866	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	MARSHALL 161KV	15	0.00158	-0.04835	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	MONTROSE 161KV	353.5817	0.00189	-0.04866	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	NEVADA 69KV	18.3	0.0011	-0.04787	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.04832	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.04866	35
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.04887	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00196	-0.0485	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	GREENWOOD 161KV	247.8	0.00218	-0.04872	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	MARSHALL 161KV	15	0.00158	-0.04835	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	MONTROSE 161KV	353.5817	0.00189	-0.04843	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	NEVADA 69KV	18.3	0.0011	-0.04764	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00155	-0.04809	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	RALPH GREEN 69KV	71.7	0.00209	-0.04863	35
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	MIPU	SOUTH HARPER 161KV	315	0.0021	-0.04884	35
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00941	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04703	36
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.04708	36
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.04669	36
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	KACP	LACYGNE UNIT 345KV	958	0.00031	-0.04686	36
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00013	-0.04686	36
MIDW	paawee 115kv	999	-0.00984	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04746	36
WERE	WACO 138KV	30	-0.00954	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04716	36
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00775	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04537	37
WERE	GETTY 69KV	35	-0.00747	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04509	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGE	AES 161KV	320	-0.00151	-0.04526	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	ASBURY 161KV	191	-0.00139	-0.04538	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	EASTMAN 138KV	355	-0.00131	-0.04546	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	FITZHUGH 161KV	109	-0.00135	-0.04542	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	KNOXLEE 138KV	284	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	LARUSSEL 161KV	100	-0.00116	-0.04561	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	LEBROCK 345KV	315	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.04554	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	NARROWS 69KV	22	-0.00155	-0.04562	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.04588	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.04547	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	RIVERTON 161KV	156.1533	-0.00151	-0.04526	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.0453	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	STATE LINE 161KV	532	-0.00145	-0.04532	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	WELSH 345KV	1044	-0.00143	-0.04534	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	WILKES 138KV	411.095	-0.00135	-0.04542	37
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	AEPW	WILKES 345KV	308	-0.00133	-0.04544	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	ASBURY 161KV	191	-0.00139	-0.04515	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	EASTMAN 138KV	355	-0.00131	-0.04523	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	FITZHUGH 161KV	109	-0.00135	-0.04519	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	KNOXLEE 138KV	284	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LARUSSEL 161KV	100	-0.00116	-0.04538	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LEBROCK 345KV	315	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.04531	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.04565	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.04507	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	STATE LINE 161KV	532	-0.00145	-0.04509	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	WELSH 345KV	1044	-0.00143	-0.04511	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	WILKES 138KV	411.095	-0.00135	-0.04519	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	WILKES 345KV	308	-0.00133	-0.04521	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	ASBURY 161KV	191	-0.00139	-0.04515	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	EASTMAN 138KV	355	-0.00131	-0.04523	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	FITZHUGH 161KV	109	-0.00135	-0.04519	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	KNOXLEE 138KV	284	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LARUSSEL 161KV	100	-0.00116	-0.04538	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LEBROCK 345KV	315	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	LIEBERMAN 138KV	96.85791	-0.00123	-0.04531	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	OZARK BEACH 161KV	16	-0.00089	-0.04565	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPW	PIRKEY GENERATION 138KV	243	-0.0013	-0.04524	37
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	EMDE	RIVERTON 69KV	42.9942	-0.00147	-0.04507	37
WERE	HUTCHIN								

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	MCLAIN 138KV	470	-0.00336	-0.04319	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	MUSTANG 138KV	351	-0.00342	-0.04312	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	MUSTANG 69KV	90	-0.00342	-0.04312	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	REDBUD 345KV	150	-0.0033	-0.04324	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SEMINOLE 138KV	462.0428	-0.00307	-0.04347	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SEMINOLE 345KV	1019	-0.00313	-0.04341	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SMITH COGEN 138KV	107	-0.0034	-0.04314	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPWP	SOUTHWESTERN STATION 138KV	297	-0.0028	-0.04373	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	AEPWP	SOUTHWESTERN STATION 138KV	837	-0.00282	-0.04372	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SPGCK1&2 13.200 345KV	60	-0.00371	-0.04283	39
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	TINKER SG 138KV	60	-0.00329	-0.04325	39
WERE	CITY OF BURLINGTON 69KV	13.77	-0.00421	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04163	40
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.04256	40
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.04256	40
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGKE	SOONER 138KV	535	-0.00442	-0.04235	40
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGKE	SOONER 345KV	537	-0.00449	-0.04228	40
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	OKGKE	SOUTH 4TH ST 69KV	37	-0.00449	-0.04228	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00421	-0.04233	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00421	-0.04233	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SOONER 138KV	535	-0.00442	-0.04212	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SOONER 345KV	537	-0.00449	-0.04205	40
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	OKGKE	SOUTH 4TH ST 69KV	37	-0.00449	-0.04205	40
OKGKE	HORSESHOE LAKE 138KV	64	-0.00337	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04092	41
OKGKE	MCLAIN 138KV	50	-0.00335	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04097	41
OKGKE	MUSTANG 138KV	49	-0.00342	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04104	41
OKGKE	MUSTANG 69KV	15.99999	-0.00342	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04104	41
OKGKE	REDBUD 345KV	1050	-0.0033	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04092	41
OKGKE	SPGCK1&2 13.200 345KV	18	-0.00371	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04133	41
OKGKE	SPGCK3&4 13.200 345KV	168	-0.00371	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04133	41
WERE	CHAMUTE 69KV	24.583	-0.00242	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04004	42
WERE	CITY OF ERIE 69KV	24.53	-0.00242	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04004	42
AEPWP	COGENTRIX 345KV	694	-0.00235	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03997	42
AEPWP	COMANCHE 138KV	15	-0.00279	MIDW	KNOLL 115KV	68.49275	0.03762	-0.0404	42
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	EMDE	ELK RIVER 345KV	149.9969	-0.00607	-0.0407	42
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	ELK RIVER 345KV	149.9969	-0.00607	-0.0407	42
AEPWP	KIOWA 345KV	1348	-0.0026	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04022	42
OKGKE	MUSKOGEE 345KV	17	-0.00217	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03979	42
AEPWP	NORTHEASTERN STATION 138KV	19.99997	-0.00229	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03991	42
AEPWP	NORTHEASTERN STATION 345KV	19.99997	-0.00229	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03988	42
AEPWP	DEC 345KV	1878.03	-0.00227	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03989	42
MIDW	risc 115kv	999	-0.0025	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04012	42
OKGKE	SEMINOLE 138KV	42.95718	-0.00307	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04069	42
AEPWP	SOUTHWESTERN STATION 138KV	229	-0.00282	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04044	42
AEPWP	SOUTHWESTERN STATION 138KV	225	-0.00282	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04044	42
AEPWP	TULSA POWER STATION 69KV	80	-0.00234	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03996	42
AEPWP	WELETKA 138KV	162	-0.00249	MIDW	KNOLL 115KV	68.49275	0.03762	-0.04011	42
EMDE	ASBURY 161KV	20	-0.00139	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03901	43
AEPWP	CITY OF OLATA 69KV	42.878	-0.002	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03865	43
AEPWP	EASTMAN 138KV	130.01	-0.00131	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03893	43
AEPWP	ELLIS 69KV	19.4	-0.00153	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03915	43
AEPWP	FITZHUGH 161KV	17	-0.00135	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03897	43
AEPWP	FLINT CREEK 161KV	28	-0.00177	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03939	43
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.03902	43
AEPWP	KNOXLEE 138KV	139	-0.00113	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03892	43
AEPWP	LEBROCK 345KV	382	-0.00113	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03892	43
AEPWP	LIEBERMAN 138KV	131.1421	-0.00123	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03888	43
AEPWP	LONESTAR POWER PLANT 69KV	50	-0.00136	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03898	43
AEPWP	MID-CONTINENT 138KV	142.11	-0.00205	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03967	43
AEPWP	PIRKEY GENERATION 138KV	45	-0.00113	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03892	43
EMDE	RIVERTON 161KV	128.8467	-0.00151	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03913	43
EMDE	RIVERTON 69KV	25.0058	-0.00147	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03909	43
EMDE	STATE LINE 161KV	74	-0.00145	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03907	43
AEPWP	TONTTOWN 161KV	346.12	-0.0018	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03942	43
AEPWP	WILKES 138KV	51.90497	-0.00135	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03897	43
AEPWP	ARSENAL HILL 69KV	110	-0.00121	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03883	44
AEPWP	FULTON 115KV	32.99999	-0.00114	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03876	44
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00775	-0.03929	44
EMDE	LARUSSEL 161KV	196	-0.00116	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03878	44
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	GILL ENERGY CENTER 138KV	155	-0.00941	-0.03736	45
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.03739	45
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	GILL ENERGY CENTER 69KV	75	-0.00938	-0.03746	45
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00013	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03749	45
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00027	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03789	45
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	GILL ENERGY CENTER 138KV	155	-0.00941	-0.03713	46
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.04677	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.03605	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.04654	WERE	EVANS ENERGY CENTER 138KV	535	-0.01072	-0.03604	47
KACP	MARSHALL 161KV	39.1	-0.00158	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03604	47
KACP	MONTROSE 161KV	27.41826	-0.00189	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03573	47
MIPU	ARIES 161KV	595	-0.00215	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03547	48
KACP	BULL CREEK 161KV	185	-0.00272	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03568	48
MIPU	SIBLEY 161KV	19.5513	-0.00225	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03512	48
KACP	HAWTHORN 161KV	39	-0.00282	MIDW	KNOLL 115KV	68.49275	0.03762	-0.0348	49
KACP	KAW 69KV	242	-0.003	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03462	49
WERE	LAWRENCE ENERGY CENTER 230KV	34.18027	-0.00287	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03475	49
KACP	NEARMAN 161KV	35	-0.00303	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03452	49
KACP	NORTHEAST 13KV	221	-0.00291	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03471	49
KACP	NORTHEAST 161KV	255.71	-0.00291	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03471	49
KACP	QUINDARO 161KV	74.39324	-0.00302	MIDW	KNOLL 115KV	68.49275	0.03762	-0.0346	49
KACP	QUINDARO 69KV	47.6	-0.00301	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03461	49
MIPU	TWA 161KV	24.06435	-0.00233	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03439	49
WERE	EMPORIA ENERGY CENTER 345KV	279.7324	-0.00403	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03359	50
WEPL	CIMARRON RIVER 115KV	29.18616	-0.0047	MIDW	KNOLL 115KV	68.49275	0.03762	-0.03292	51

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

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

Upgrade: Summit - NE Saline 115 KV
Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
Flowgate: 2007AG1AFS41T2153209SP
Date Redispatch Needed: Starting 2009 61 - 10/1 Unit EOC
Season Flowgate Identified: 2009 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.1	1.6		ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	A. M. MULLERGEN GENERATOR 115KV	83	0.01068	-0.36657	4
1222943	0.5	1.6		ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	MIDW	COLBY 115KV	12.96794	0.01135	-0.36734	4
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00851	-0.3645	4
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01424	-0.37023	4
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	MIDW	KNOLL 115KV	68.49275	0.03722	-0.39321	4
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	SKOKY HILLS 34KV	17	0.08629	-0.45524	4
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGKE	AES 161KV	320	-0.01008	-0.35491	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	ASBURY 161KV	191	-0.00112	-0.35487	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	BULL CREEK 161KV	308	0.01069	-0.35768	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	OKGKE	CENTENAL WIND 34KV	68	-0.02311	-0.35368	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CHAMUTE 69KV	56.037	-0.00189	-0.3541	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	CIMARRON RIVER 115KV	17.81384	0.0068	-0.36279	5
				ABILENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0		

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

WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	ELLIS 69KV	6.6	-0.00109	-0.3549	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.35824	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	EVANS ENERGY CENTER 138KV	536	-0.00783	-0.34818	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	FITZHUGH 161KV	109	-0.00096	-0.35053	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.35468	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	FPLWIND2 34KV	8	-0.00231	-0.35368	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.34921	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	GILL ENERGY CENTER 69KV	75	-0.00879	-0.35402	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.36234	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	GREENWOOD 161KV	146.4246	0.00123	-0.35722	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	HARPER 138KV	8.600001	-0.0046	-0.35139	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	HAWTHORN 161KV	762	0.00177	-0.35789	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	HOLTON 115KV	12.2	0.0028	-0.35879	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.35374	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.35379	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	HUTCHINSON ENERGY CENTER 115KV	175	-0.03347	-0.32252	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	IATAN 34KV	396	0.0037	-0.35969	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.36127	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WEPL	JUDSON LARGE 115KV	97.13652	0.00632	-0.36231	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	KNOXLEE 138KV	284	-0.00089	-0.3551	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.3559	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	LAKE ROAD 161KV	92	0.00255	-0.35854	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	LAKE ROAD 34KV	92	0.00255	-0.35854	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	LARUSSEL 161KV	100	-0.00093	-0.35056	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	LAWRENCE ENERGY CENTER 230KV	232.49225	0.0007	-0.35699	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	LEBROCK 345KV	715	-0.00186	-0.35451	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	LIEBERMAN 138KV	96.85791	-0.00084	-0.35515	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	MARSHALL 161KV	15	0.00099	-0.35698	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MCCLAIN 138KV	470	-0.00226	-0.35373	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	MONTROSE 161KV	359.8741	0.01048	-0.35707	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.35455	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.35445	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSTANG 138KV	351	-0.00232	-0.35367	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	MUSTANG 69KV	90	-0.00232	-0.35367	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NARROWS 69KV	22	-0.01186	-0.35403	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	NEARMAN 161KV	77	0.00188	-0.35787	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	NEARMAN 20KV	235	0.00188	-0.35787	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.35432	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	NORTHEASTERN STATION 345KV	625	-0.00168	-0.35433	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	OEC 345KV	269	-0.00163	-0.35436	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.35628	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.35678	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	PIRKY GENERATION 138KV	243	-0.00089	-0.3551	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACP	QUINDARO 161KV	117.98556	0.01048	-0.35467	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	KACY	QUINDARO 69KV	116.2856	0.00188	-0.35787	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	REDDUD 345KV	150	-0.00227	-0.35372	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	RIVERTON 161KV	156.1333	-0.00118	-0.35481	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	RIVERTON 69KV	156.1333	-0.00118	-0.35481	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.35391	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.35387	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	SIBLEY 161KV	230.9578	0.00154	-0.35753	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.35759	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.35269	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SOONER 138KV	536	-0.00311	-0.35288	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SOONER 345KV	537	-0.00315	-0.35284	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.35287	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.35711	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	SOUTH SENECA 115KV	8.1	-0.00053	-0.35699	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.35427	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	SOUTHWESTERN STATION 345KV	837	-0.00172	-0.35427	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	SPGCK182 13.200 345KV	60	-0.00254	-0.35345	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	EMDE	STATE LINE 161KV	532	-0.00114	-0.35485	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.35356	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	TINKER SG 138KV	60	-0.00223	-0.35376	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.35431	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.35446	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WELSH 345KV	107	-0.00096	-0.35053	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WILKES 138KV	417.543	-0.00092	-0.35057	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	AEPW	WILKES 345KV	308	-0.0009	-0.35059	5
WERE	ABELNE ENERGY CENTER 115KV	40.75879	-0.35599	OKGE	WOODWARD 24KV	10	-0.00231	-0.35368	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	SMOKEY HILLS 34KV	171	0.00686	-0.23218	5
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	KNOLL 115KV	68.49275	0.03722	-0.27228	6
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01058	-0.24665	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	AES 161KV	320	-0.00108	-0.23399	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ASBURY 161KV	191	-0.00112	-0.23395	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	BULL CREEK 161KV	308	-0.00168	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	CENTRAL WIND 34KV	16	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CHANUTE 69KV	56.037	-0.00189	-0.23318	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CHARRON RIVER 115KV	17.81394	0.0068	-0.24187	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF AUGUSTA 69KV	20.93	-0.0057	-0.23293	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF FREDONIA 69KV	3.19	-0.00226	-0.23281	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF GIRARD 69KV	3.6	-0.0014	-0.23267	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.23625	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF MULVANE 69KV	10	-0.0044	-0.23263	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.22993	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	CLIFTON 115KV	65	-0.00567	-0.2294	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.23181	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COSENTRIX 345KV	200	-0.00167	-0.23394	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIDW	COLBY 115KV	12.99695	0.01135	-0.24642	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COMANCHE 138KV	145	-0.00168	-0.23339	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	COMANCHE 69KV	60	-0.00169	-0.23338	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	EASTMAN 138KV	955	-0.00089	-0.23418	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	ELK RIVER 345KV	149.99999	-0.0045	-0.23065	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	ELLIS 69KV	6.6	-0.00109	-0.23398	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EMPORIA ENERGY CENTER 345KV	490	0.00225	-0.23732	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	EVANS ENERGY CENTER 138KV	536	-0.00783	-0.22724	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	FITZHUGH 161KV	109	-0.00096	-0.23411	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	FLINT CREEK 161KV	400	-0.00131	-0.23376	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	FPLWIND2 34KV	8	-0.00231	-0.23276	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 138KV	155	-0.00678	-0.22829	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	GILL ENERGY CENTER 69KV	75	-0.00679	-0.22828	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.24142	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00851	-0.24358	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIPU	GREENWOOD 161KV	146.4246	0.00123	-0.2363	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WEPL	HARPER 138KV	8.600001	-0.0046	-0.23047	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	HAWTHORN 161KV	762	0.00177	-0.23684	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HOLTON 115KV	12.2	0.0028	-0.23287	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.23282	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGE	HORSESHOE LAKE 69KV	16	-0.0022	-0.23287	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACP	IATAN 34KV	396	0.0037	-0.23877	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.24035	7
WERE	CLAY CENTER JUNCTION 115KV	1							

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

WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACY	QUINDARO 161KV	117.9858	0.00188	-0.23659	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	KACY	QUINDARO 69KV	116.2896	0.00188	-0.23695	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	REDBUD 345KV	150	-0.00227	-0.2328	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	RIVERTON 161KV	156.1533	-0.00118	-0.23389	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	RIVERTON 69KV	43.21434	-0.00115	-0.23392	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SEMINOLE 138KV	463.4869	-0.00208	-0.23299	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SEMINOLE 345KV	1019	-0.00212	-0.23295	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIPU	SIBLEY 161KV	230.9578	0.00176	-0.23261	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.23667	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SMITH COGEN 138KV	107	-0.0023	-0.23277	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SOONER 138KV	535	-0.00311	-0.23196	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SOONER 345KV	537	-0.00315	-0.23162	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SOUTH 4TH ST 69KV	37	-0.00312	-0.23195	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.23619	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	SOUTH SENECA 115KV	8.5	-0.00033	-0.23474	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.23335	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	SPGCK182 13.200 345KV	60	-0.00254	-0.23253	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	EMDE	STATE LINE 161KV	532	-0.00114	-0.23393	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.23264	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	TINKER SG 138KV	60	-0.00223	-0.23284	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	TULSA POWER STATION 138KV	299	-0.00168	-0.23339	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.23354	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WELSH 345KV	1044	-0.00097	-0.2341	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 138KV	417.543	-0.00062	-0.23415	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	AEPW	WILKES 345KV	398	-0.0009	-0.23417	7
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	OKGK	WOODWARD 24KV	10	-0.00231	-0.23276	7
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.19467	8
WERE	CLAY CENTER JUNCTION 115KV	12.15	-0.23507	WERE	HUTCHINSON ENERGY CENTER 115KV	175	-0.03347	-0.2018	8
MIDW	lyons 115kv	999	-0.09403	MIDW	SMOKEY HILLS 34KV	177	0.09605	-0.19468	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIDW	KNOLL 115KV	68.49275	0.03722	-0.13584	12
MIDW	lyons 115kv	999	-0.09403	MIDW	KNOLL 115KV	68.49275	0.03722	-0.13125	12
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.12952	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.12934	13
WERE	ABLENE ENERGY CENTER 115KV	40.75879	-0.35599	WERE	CLAY CENTER JUNCTION 115KV	16.55	-0.2307	-0.23281	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	JEFFREY ENERGY CENTER 345KV	90	0.01424	-0.11286	14
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	A. M. MULLERGEN GENERATOR 115KV	63	0.01058	-0.1092	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CHARRON RIVER 115KV	17.81394	0.0068	-0.10542	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIDW	COLBY 115KV	12.99826	0.01135	-0.10997	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00851	-0.10713	15
MIDW	lyons 115kv	999	-0.09403	MIDW	COLBY 115KV	12.99826	0.01135	-0.10538	15
MIDW	lyons 115kv	999	-0.09403	WERE	JEFFREY ENERGY CENTER 345KV	90	0.01424	-0.10827	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	BULL CREEK 161KV	308	0.01089	-0.10301	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	CITY OF HIGSONVILLE 69KV	30.9016	0.011	-0.03088	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	EMPORIA ENERGY CENTER 345KV	90	0.00225	-0.10087	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.10497	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	GREENWOOD 161KV	146.426	0.00123	-0.09985	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	HAWTHORN 161KV	12.2	0.00717	-0.10339	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	HOLTON 115KV	12.2	0.0028	-0.10142	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	IATAN 345KV	396	0.0037	-0.10232	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.1039	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	JUDSON LARGE 115KV	97.13652	0.00632	-0.10494	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	LAKE ROAD 161KV	35	0.00255	-0.10117	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	LAKE ROAD 34KV	92	0.0055	-0.10117	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.09932	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	MARSHALL 161KV	15	0.00099	-0.09961	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	MONROE 161KV	359.8741	0.0108	-0.0997	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	NEARMAN 161KV	77	0.01017	-0.10103	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	NEARMAN 20KV	235	0.00188	-0.1005	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.09941	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 161KV	117.9858	0.00188	-0.10045	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	KACY	QUINDARO 69KV	116.2896	0.00188	-0.10056	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SIBLEY 161KV	230.9578	0.00154	-0.10016	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.10022	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.09974	16
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00577	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10182	16
WERE	CITY OF BURLINGTON 69KV	13	-0.00328	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10231	16
WERE	CITY OF MULVANE 69KV	7.5	-0.00644	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10249	16
WERE	CITY OF WINFIELD 69KV	27.30999	-0.00514	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10119	16
WERE	EVANS ENERGY CENTER 138KV	38	-0.00783	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10388	16
WERE	GETTY 69KV	35	-0.00562	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10167	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00678	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10283	16
WERE	GILL ENERGY CENTER 69KV	8	-0.00679	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10284	16
WERE	HARPER 138KV	8.609999	-0.0046	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10065	16
MIDW	lyons 115kv	999	-0.09403	WERE	A. M. MULLERGEN GENERATOR 115KV	63	0.01058	-0.10461	16
MIDW	lyons 115kv	999	-0.09403	WERE	CHARRON RIVER 115KV	17.81394	0.0068	-0.10363	16
MIDW	lyons 115kv	999	-0.09403	WERE	GRAY COUNTY WIND FARM 115KV	70	0.00635	-0.10038	16
MIDW	lyons 115kv	999	-0.09403	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9778	0.00851	-0.10254	16
MIDW	lyons 115kv	999	-0.09403	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00528	-0.10091	16
MIDW	lyons 115kv	999	-0.09403	WERE	JUDSON LARGE 115KV	97.13652	0.00632	-0.10305	16
MIDW	lyons 115kv	999	-0.00369	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09974	16
OKGE	SOUTH 4TH ST 69KV	5.7	-0.00312	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09917	16
WERE	WACO 138KV	30	-0.00689	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.10294	16
MIPU	ARIES 161KV	595	0.00012	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09485	17
AEPW	ARSENAL HILL 69KV	110	-0.00962	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09587	17
EMDE	ASBJURY 161KV	20	-0.00112	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09717	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGK	AES 161KV	320	-0.00108	-0.09754	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	ASBJURY 161KV	191	-0.00112	-0.0975	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGK	CENTRAL WIND 34KV	16	-0.00231	-0.09831	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CHANUTE 69KV	56.037	-0.00189	-0.09673	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF WINFIELD 69KV	12.69001	-0.00514	-0.09348	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.09536	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COGENTRY 345KV	229	-0.016	-0.09065	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COMANCHE 138KV	145	-0.00168	-0.09694	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	COMANCHE 69KV	60	-0.00169	-0.09693	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	EASTMAN 138KV	355	-0.00089	-0.09773	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	EMDE	ELK RIVER 345KV	149.9969	-0.00482	-0.09541	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	ELLIS 69KV	6.6	-0.00109	-0.09753	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	FITZHUGH 161KV	109	-0.00096	-0.09766	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	FULTON CREEK 161KV	40	-0.00131	-0.09731	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGK	FLINDR 24KV	8	-0.00231	-0.09631	17

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WEATHERFORD 34KV	12	-0.00153	-0.09709	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WELSH 34KV	1044	-0.00097	-0.09765	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WILKES 138KV	417.543	-0.00032	-0.09377	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	AEPW	WILKES 345KV	308	-0.0009	-0.09772	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	OKGE	WOODWARD 24KV	10	-0.00231	-0.09631	17
KACP	BULL CREEK 161KV	105	0.00169	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09436	17
KACP	CHANUTE 69KV	24.563	-0.00189	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09794	17
WERE	CITY OF ERIE 69KV	24.533	-0.00189	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09744	17
WERE	CITY OF FREEDONIA 69KV	7.104	-0.00226	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09831	17
WERE	CITY OF GIRARD 69KV	7.1	-0.0014	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09745	17
WERE	CITY OF IOLA 69KV	42.878	-0.0016	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09765	17
WERE	CITY OF NEODESHA 69KV	6.739	-0.00217	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09822	17
AEPW	COGENTRIX 345KV	694	-0.00167	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09772	17
AEPW	COMANCHE 138KV	15	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09773	17
AEPW	EASTMAN 138KV	130.01	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	17
AEPW	ELLIS 69KV	19.4	-0.00109	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09714	17
WERE	EMPORIA ENERGY CENTER 345KV	321	0.00225	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09398	17
AEPW	FITZHUGH 161KV	17	-0.00096	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09701	17
AEPW	FLINT CREEK 161KV	28	-0.00131	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09736	17
AEPW	FULTON 115KV	32.99999	-0.00078	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09683	17
KACP	GARDNER 161KV	11	-0.001	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09435	17
MIPU	GREENWOOD 161KV	103.3754	0.00123	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09482	17
KACP	HAWTHORN 161KV	39	0.00177	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09428	17
OKGE	HORSESHOE LAKE 138KV	64	-0.00225	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0983	17
KACP	RAW 69KV	242	0.00187	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09418	17
AEPW	KIOWA 345KV	1348	-0.00175	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	17
AEPW	KNOXLEE 138KV	139	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	17
MIPU	LAKE ROAD 161KV	91	0.00255	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0935	17
EMDE	LARUSSEL 161KV	196	-0.00093	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09698	17
WERE	LAWRENCE ENERGY CENTER 230KV	36.50748	0.00307	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09535	17
AEPW	LEBROCK 345KV	382	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09694	17
AEPW	LIEBERMAN 138KV	131.1421	-0.00084	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09689	17
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00092	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09697	17
MIDW	Yorns 115KV	999	-0.09403	KACP	BULL CREEK 161KV	908	0.00169	-0.09572	17
MIDW	Yorns 115KV	999	-0.09403	KACP	CITY OF HIGGINSVILLE 69KV	30.900	0.00118	-0.09521	17
MIDW	Yorns 115KV	999	-0.09403	WERE	EMPORIA ENERGY CENTER 345KV	990	0.00225	-0.09628	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	GREENWOOD 161KV	146.426	0.00123	-0.09526	17
MIDW	Yorns 115KV	999	-0.09403	KACP	HAWTHORN 161KV	762	0.00177	-0.09658	17
MIDW	Yorns 115KV	999	-0.09403	WERE	HOLTON 115KV	12.2	0.0028	-0.09683	17
MIDW	Yorns 115KV	999	-0.09403	KACP	IATAN 345KV	396	0.0037	-0.09773	17
MIDW	Yorns 115KV	999	-0.09403	KACP	LACYGNE UNIT 345KV	958	-0.00009	-0.09394	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	LAKE ROAD 161KV	35	0.00255	-0.09658	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	LAKE ROAD 161KV	92	0.00255	-0.09658	17
MIDW	Yorns 115KV	999	-0.09403	WERE	LAWRENCE ENERGY CENTER 230KV	232.4828	0.00307	-0.09573	17
MIDW	Yorns 115KV	999	-0.09403	KACP	MARSHALL 161KV	15	0.00099	-0.09502	17
MIDW	Yorns 115KV	999	-0.09403	KACP	MONTROSE 161KV	359.8741	0.00108	-0.09511	17
MIDW	Yorns 115KV	999	-0.09403	KACY	NEARMAN 161KV	77	0.00188	-0.09591	17
MIDW	Yorns 115KV	999	-0.09403	KACY	NEARMAN 20KV	235	0.00188	-0.09591	17
MIDW	Yorns 115KV	999	-0.09403	EMDE	OZARK BEACH 161KV	16	-0.00071	-0.09332	17
MIDW	Yorns 115KV	999	-0.09403	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.09482	17
MIDW	Yorns 115KV	999	-0.09403	KACY	QUINDARO 161KV	117.9858	0.00188	-0.09591	17
MIDW	Yorns 115KV	999	-0.09403	KACY	QUINDARO 69KV	116.2856	0.00188	-0.09591	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	SIBLEY 161KV	230.9578	0.0016	-0.09563	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.09563	17
MIDW	Yorns 115KV	999	-0.09403	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.09515	17
MIDW	Yorns 115KV	999	-0.09403	WERE	SOUTH SENECA 115KV	8.5	-0.00033	-0.0937	17
KACP	MARKSHALL 161KV	39.1	0.00099	WERE	SOUTH SENECA 115KV	177	0.09605	-0.09506	17
OKGE	MCCLAIN 138KV	50	-0.00226	WERE	SOUTH SENECA 115KV	177	0.09605	-0.09506	17
AEPW	MID-CONTINENT 138KV	142.111	-0.0015	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09755	17
KACP	MONTROSE 161KV	21.12593	0.00108	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09497	17
OKGE	MUSKOGEE 345KV	17	-0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09759	17
OKGE	MUSTANG 138KV	49	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09837	17
OKGE	MUSTANG 69KV	15.99999	-0.00232	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09837	17
MIPU	NEVADA 69KV	20.3	0.00056	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09549	17
KACP	NORTHEAST 13KV	257	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	17
KACP	NORTHEAST 161KV	277	0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09422	17
AEPW	NORTHEASTERN STATION 138KV	19.99997	-0.00167	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09772	17
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00166	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09771	17
AEPW	OEC 345KV	1878.03	-0.00163	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09768	17
KACP	PAOLA COMBUSTION TURBINES 161KV	12.0542	0.00079	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09526	17
AEPW	PIRKER GENERATION 138KV	45	-0.00089	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09591	17
KACY	QUINDARO 161KV	119.0142	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09591	17
KACY	QUINDARO 69KV	60.71442	0.00188	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09417	17
MIPU	RALPH GREEN 69KV	73.7	0.00117	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09488	17
OKGE	REBUD 345KV	1050	-0.00227	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09832	17
MIDW	Yorns 115KV	999	-0.00183	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09788	17
EMDE	RIVERTON 161KV	128.8467	-0.00118	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09723	17
EMDE	RIVERTON 69KV	24.78566	-0.00115	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.0972	17
OKGE	SEMINOLE 138KV	41.51312	-0.00208	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09813	17
OKGE	SEMINOLE 345KV	10.80004	-0.00212	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09823	17
MIPU	SIBLEY 161KV	19.04221	0.00154	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09541	17
WERE	SOUTH SENECA 115KV	8.2	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09638	17
AEPW	SOUTHWESTERN STATION 138KV	229	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
AEPW	SOUTHWESTERN STATION 345KV	225	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
OKGE	SPACK32 13.200 345KV	18	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	17
OKGE	SPACK34 13.200 345KV	168	-0.00254	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09859	17
EMDE	STATE LINE 161KV	74	-0.00114	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09719	17
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00243	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09848	17
WERE	TECUMSEH ENERGY CENTER 69KV	411	-0.00209	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09805	17
AEPW	TONTOWN 161KV	346.12	-0.00132	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09737	17
AEPW	TULSA POWER STATION 69KV	80	-0.00168	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09773	17
MIPU	TWA 161KV	32.1	0.00209	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09396	17
AEPW	WEELETKA 138KV	162	-0.00172	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09777	17
AEPW	WILKES 138KV	45.45697	-0.00092	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09697	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00577	-0.09285	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	CITY OF MULVANE 69KV	8.29	-0.00644	-0.09218	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WEPF	CLIFTON 115KV	65	-0.00567	-0.09295	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	EVANS ENERGY CENTER 138KV	58.037	-0.00189	-0.09214	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GILL ENERGY CENTER 138KV	106.48.25	-0.00326	-0.09077	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GILL ENERGY CENTER 69KV	155	-0.00678	-0.09184	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.09862	WERE	GILL ENERGY CENTER 34KV	75	-0.00679	-0.09183	18
WEPF	CIARRON RIVER 115KV	29.18616	0.0068	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09825	18
WERE	JEFFREY 115KV	7.6	0.0028	WERE	SMOKEY HILLS 34KV	177	0.09605	-0.09325	18
MIDW	Yorns 115KV	999	-0.09403	OKGE	SMOKEY HILLS 34KV	177	0.09605	-0.09077	18
MIDW	Yorns 115KV	999	-0.09						

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

MIDW	Yvons 115kV		999	-0.09403	EMDE	RIVERTON 161KV		156.1533	-0.00118	-0.09285	18
MIDW	Yvons 115kV		999	-0.09403	EMDE	RIVERTON 69KV		43.21434	-0.0115	-0.09288	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	SEMINOLE 138KV		463.4859	-0.00288	-0.09195	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	SEMINOLE 345KV		1019	-0.00212	-0.09191	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'SMITH COGEN 138KV'		107	-0.0023	-0.09173	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'SOONER 138KV'		535	-0.00311	-0.09092	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'SOONER 345KV'		537	-0.00315	-0.09088	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'SOUTH 4TH ST 69KV'		37	-0.00312	-0.09087	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'SOUTHWESTERN STATION 138KV'		287	-0.00172	-0.09231	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'SOUTHWESTERN STATION 138KV'		837	-0.00172	-0.09231	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'SPGCK1&2 13 200 345KV'		60	-0.00254	-0.09149	18
MIDW	Yvons 115kV		999	-0.09403	EMDE	'STATE LINE 161KV'		532	-0.0114	-0.09116	18
MIDW	Yvons 115kV		999	-0.09403	WERE	'TECUMSEH ENERGY CENTER 115KV'		133	-0.00243	-0.0916	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'TINKER SG 138KV'		60	-0.00223	-0.0918	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'TULSA POWER STATION 138KV'		299	-0.00168	-0.09235	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'WEATHERFORD 34KV'		12	-0.00153	-0.0925	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'WELSH 345KV'		1044	-0.00097	-0.09306	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'WILKES 138KV'		417.543	-0.00092	-0.09311	18
MIDW	Yvons 115kV		999	-0.09403	AEPW	'WILKES 345KV'		308	-0.0009	-0.09313	18
MIDW	Yvons 115kV		999	-0.09403	OKGE	'WOODWARD 24KV'		10	-0.00231	-0.09172	18
MIDW	COLBY 115KV	12.00305	0.11135	WERE	'SMOKEY HILLS 34KV'		177	0.09605	-0.0947	19	
MIDW	Yvons 115kV		999	-0.09403	WERE	'CITY OF AUGUSTA 69KV'		20.02	-0.00577	-0.08826	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'CITY OF MULVANE 69KV'		8.29	-0.00644	-0.08759	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'EVANS ENERGY CENTER 138KV'		535	-0.00783	-0.0862	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'GILL ENERGY CENTER 138KV'		155	-0.00678	-0.08725	19
MIDW	Yvons 115kV		999	-0.09403	WERE	'GILL ENERGY CENTER 69KV'		76	0.01135	-0.08724	19
WERE	JEFFREY ENERGY CENTER 345KV		42	0.01424	WERE	'SMOKEY HILLS 34KV'		177	0.09605	-0.08181	20
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.07069	23
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.07061	23
WERE	BPU- CITY OF MCPHERSON 115KV		232	-0.08862	WERE	'HUTCHINSON ENERGY CENTER 115KV'		175	0.03347	-0.06515	25
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WERE	'HUTCHINSON ENERGY CENTER 115KV'		175	-0.03347	-0.06555	27
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WERE	'JEFFREY ENERGY CENTER 345KV'		940	0.01424	-0.04771	34
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WERE	'JEFFREY ENERGY CENTER 345KV'		940	0.01424	-0.04753	34
WERE	EVANS ENERGY CENTER 138KV		38	-0.00783	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04505	36
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	MIDW	'COLBY 115KV'		12.99026	0.01135	-0.04582	36
WERE	GILL ENERGY CENTER 138KV		84.99999	-0.00678	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.044	37
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WEPL	'A. M. MULLERGEN GENERATOR 115KV'		63	0.01058	-0.04405	37
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WEPL	'A. M. MULLERGEN GENERATOR 115KV'		63	0.01058	-0.04387	37
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	MIDW	'COLBY 115KV'		12.99026	0.01135	-0.04406	37
WERE	WACO 138KV		30	-0.00689	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04417	37
WERE	'CITY OF AUGUSTA 69KV'		17.94	-0.00577	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04299	38
WERE	'CITY OF WINFIELD 69KV'		35	-0.00562	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04284	38
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04236	39
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	KACP	'GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV'		166.9778	0.00851	-0.0418	39
WERE	'CITY OF BURLINGTON 69KV'		13.7	-0.00326	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04048	40
MIDW	Lawrence 115KV		999	-0.00369	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04091	40
OKGE	HORSBROOK LAKE 138KV		64	-0.00225	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.0397	41
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WEPL	'CMARRON RIVER 115KV'		17.81394	0.0068	-0.04027	41
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WEPL	'GRAY COUNTY WIND FARM 115KV'		70	0.00635	-0.03982	41
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WEPL	'JUDSON LARGE 115KV'		97.13652	0.00632	-0.03979	41
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WEPL	'CMARRON RIVER 115KV'		17.81394	0.0068	-0.04009	41
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WEPL	'GRAY COUNTY WIND FARM 115KV'		70	0.00635	-0.03961	41
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WEPL	'JUDSON LARGE 115KV'		97.13652	0.00632	-0.03961	41
OKGE	MCLAIN 138KV		50	-0.00226	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03948	41
OKGE	MUSTANG 138KV		49	-0.00232	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03954	41
OKGE	MUSTANG 69KV		15.99999	-0.00232	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03958	41
OKGE	REDBLD 345KV		1590	-0.00227	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03949	41
OKGE	SPGCK1&2 13 200 345KV		18	-0.00254	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03976	41
OKGE	SPGCK3&4 13 200 345KV		168	-0.00254	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03976	41
WERE	TECUMSEH ENERGY CENTER 115KV		28	-0.00243	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03965	41
WERE	TECUMSEH ENERGY CENTER 69KV		41	-0.00209	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.04012	41
WERE	CHANUTE 69KV		24.563	-0.00189	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03911	42
WERE	'CITY OF ERIE 69KV'		24.53	-0.00189	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03911	42
WERE	'CITY OF IOLA 69KV'		42.878	-0.00167	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03882	42
AEPW	COGENTRIX 345KV		694	-0.00167	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03882	42
AEPW	COMANCHE 138KV		15	-0.00168	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03883	42
AEPW	FLINT CREEK 161KV		28	-0.00131	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03853	42
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	WERE	'JEFFREY ENERGY CENTER 230KV'		470	0.00528	-0.03875	42
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	WERE	'JEFFREY ENERGY CENTER 230KV'		470	0.00528	-0.03857	42
AEPW	KNOWA 345KV		1348	-0.00175	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03897	42
AEPW	MID-CONTINENT 138KV		142.11	-0.0015	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.0387	42
OKGE	MUSKOGEE 345KV		17	-0.00154	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03876	42
AEPW	NORTHEASTERN STATION 138KV		19.99997	-0.00167	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03889	42
AEPW	NORTHEASTERN STATION 345KV		19.99997	-0.00166	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03888	42
AEPW	OCF 345KV		1878.03	-0.00163	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03885	42
MIDW	vica 115kV		999	-0.00183	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03905	42
OKGE	SEMINOLE 138KV		41.51312	-0.00208	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.0393	42
AEPW	SOUTHWESTERN STATION 138KV		229	-0.00172	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03894	42
AEPW	SOUTHWESTERN STATION 138KV		229	-0.00172	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03894	42
AEPW	TONTITOWN 161KV		346.12	-0.00132	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03854	42
AEPW	TULSA POWER STATION 69KV		80	-0.00168	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.0389	42
AEPW	WELETKA 138KV		162	-0.00172	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03894	42
AEPW	ARSENAL HILL 69KV		110	-0.00082	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03824	42
EMDE	ASBURY 161KV		20	-0.00112	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03814	43
AEPW	EASTMAN 138KV		130.01	-0.00089	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03811	43
AEPW	ELLIS 69KV		19.4	-0.00109	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03831	43
AEPW	FITZHUGH 161KV		17	-0.00096	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03818	43
AEPW	FULTON 158KV		32.99999	-0.00078	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.038	43
AEPW	KNOXLEE 138KV		139	-0.00089	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03811	43
EMDE	LARUSSEL 161KV		196	-0.00093	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03815	43
AEPW	LEBROCK 345KV		382	-0.00089	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03811	43
AEPW	LIEBERMAN 138KV		131.1421	-0.00084	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03806	43
AEPW	LONESTAR POWER PLANT 69KV		50	-0.00092	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03814	43
AEPW	PIRKEY GENERATION 138KV		45	-0.00089	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03811	43
EMDE	RIVERTON 161KV		128.8467	-0.00118	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.0384	43
EMDE	RIVERTON 69KV		24.78966	-0.00115	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03837	43
EMDE	STATE LINE 161KV		74	-0.00114	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03836	43
AEPW	WILKES 138KV		45.45697	-0.00092	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03814	43
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	KACP	'IATAN 345KV'		396	0.0037	-0.03717	44
WERE	HUTCHINSON ENERGY CENTER 69KV		52	-0.03329	KACP	'IATAN 345KV'		396	0.0037	-0.03699	44
MIPU	ARIES 161KV		595	0.00112	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03692	45
MIPU	GREENWOOD 161KV		103.3754	0.00123	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03599	45
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	MIPU	'LAKE ROAD 161KV'		95	0.00255	-0.03602	45
WERE	HUTCHINSON ENERGY CENTER 115KV		269	-0.03347	MIPU	'LAKE ROAD 34KV'		92	0.00255	-0.03602	45
WERE	LAWRENCE ENERGY CENTER 230KV		36.50748	0.0007	MIDW	'KNOLL 115KV'		68.49275	0.03722	-0.03652	45

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

WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.03507	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.03459	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	BULL CREEK 161KV	308	0.01689	-0.03498	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	CITY OF HIGGINSVILLE 69KV	30.9016	0.00118	-0.03447	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIPU	GREENWOOD 161KV	146.4246	0.00123	-0.03452	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	HAWTHORN 161KV	762	0.00177	-0.03506	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIPU	SIBLEY 161KV	230.9578	0.00154	-0.03483	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIPU	SIBLEY 69KV	45.99999	0.0016	-0.03488	47
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.03441	47
MIPU	LAKE ROAD 161KV	91	0.00255	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03467	47
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.03417	48
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.03428	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	LAWRENCE ENERGY CENTER 230KV	232.4925	0.0007	-0.03399	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	MONTROSE 161KV	359.8741	0.00108	-0.03437	48
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	PAOLA COMBUSTION TURBINES 161KV	64.9458	0.00079	-0.03408	48
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	KACP	LACYONE UNIT 345KV	958	-0.00009	-0.03338	49
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	KACP	LACYONE UNIT 345KV	958	-0.00009	-0.0332	49
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	AES 161KV	320	-0.00108	-0.03239	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	ASBURY 161KV	191	-0.00112	-0.03235	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	EASTMAN 138KV	355	-0.00089	-0.03258	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	FITZLUUGH 161KV	109	-0.00096	-0.03251	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	KNOXLEE 138KV	284	-0.00089	-0.03253	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	LARUSSEL 161KV	100	-0.00093	-0.03254	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	LEBROCK 345KV	315	-0.00089	-0.03258	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	LIEBERMAN 138KV	96.85791	-0.00084	-0.03263	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	NARROWS 69KV	223	-0.00089	-0.03261	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	PIRKEY GENERATION 138KV	243	-0.00089	-0.03258	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	WELSH 345KV	1044	-0.00097	-0.03255	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	WILKS 138KV	417.543	-0.00092	-0.03255	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	WILKS 345KV	308	-0.00089	-0.03257	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	EASTMAN 138KV	355	-0.00089	-0.0324	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	KNOXLEE 138KV	284	-0.00089	-0.0324	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	LARUSSEL 161KV	100	-0.00093	-0.03236	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	LEBROCK 345KV	315	-0.00089	-0.0324	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	LIEBERMAN 138KV	96.85791	-0.00089	-0.03245	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	PIRKEY GENERATION 138KV	243	-0.00089	-0.0324	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	WILKS 138KV	417.543	-0.00092	-0.03237	50
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	COGENTRIX 345KV	308	-0.00089	-0.03239	50
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	COMANCHE 138KV	145	-0.00168	-0.03179	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	COMANCHE 69KV	60	-0.00169	-0.03178	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	FLINT CREEK 161KV	400	-0.00131	-0.03216	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.03198	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSKOGEE 345KV	1548	-0.00149	-0.03198	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.03181	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.03181	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	OEC 345KV	269	-0.00163	-0.03184	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	RIVERTON 161KV	156.1333	-0.00118	-0.03229	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	RIVERTON 69KV	43.21434	-0.00115	-0.03232	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.03175	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	AEFPW	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.03175	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	EMDE	STATE LINE 161KV	532	-0.00114	-0.03233	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	TULSA POWER STATION 138KV	299	-0.00168	-0.03214	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	AES 161KV	320	-0.00108	-0.03221	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	ASBURY 161KV	191	-0.00112	-0.03217	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	FITZLUUGH 161KV	109	-0.00096	-0.03233	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	FLINT CREEK 161KV	400	-0.00131	-0.03198	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSKOGEE 161KV	166	-0.00149	-0.03198	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSKOGEE 345KV	1548	-0.00154	-0.03175	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	RIVERTON 161KV	156.1333	-0.00118	-0.03211	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	RIVERTON 69KV	43.21434	-0.00115	-0.03214	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	EMDE	STATE LINE 161KV	532	-0.00114	-0.03215	51
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	WELSH 345KV	1044	-0.00097	-0.03232	51
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00528	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03194	51
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	CHANUTTE 161KV	56.037	-0.00189	-0.03158	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.03122	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MCCLAIN 138KV	470	-0.00226	-0.03121	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSTANG 138KV	351	-0.00232	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	MUSTANG 69KV	90	-0.00232	-0.03115	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	REDBUD 345KV	150	-0.00227	-0.0312	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.03138	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.03135	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03117	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	TINKER 513 138KV	60	-0.00223	-0.03124	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	CHANUTTE 69KV	56.037	-0.00189	-0.03172	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	COGENTRIX 345KV	200	-0.00167	-0.03162	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	COMANCHE 138KV	145	-0.00168	-0.03161	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	COMANCHE 69KV	60	-0.00169	-0.03161	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	NORTHEASTERN STATION 138KV	488	-0.00167	-0.03162	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	NORTHEASTERN STATION 345KV	625	-0.00166	-0.03163	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	OEC 345KV	269	-0.00163	-0.03166	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SEMINOLE 138KV	463.4869	-0.00208	-0.03121	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SEMINOLE 345KV	1019	-0.00212	-0.03117	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	SOUTHWESTERN STATION 138KV	287	-0.00172	-0.03157	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	SOUTHWESTERN STATION 138KV	837	-0.00172	-0.03157	52
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	AEFPW	TULSA POWER STATION 138KV	299	-0.00168	-0.03161	52
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SPGCK1&2 13 200 345KV	60	-0.00254	-0.03093	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.03104	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	HORSESHOE LAKE 138KV	796	-0.00225	-0.03104	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MCCLAIN 138KV	470	-0.00226	-0.03103	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSTANG 138KV	351	-0.00232	-0.03097	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	MUSTANG 69KV	90	-0.00232	-0.03097	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	REDBUD 345KV	150	-0.00227	-0.03102	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SMITH COGEN 138KV	107	-0.0023	-0.03099	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SPGCK1&2 13 200 345KV	60	-0.00254	-0.03075	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00243	-0.03086	53
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	TINKER 513 138KV	60	-0.00223	-0.03108	53
WEPL	CIMARRON RIVER 115KV	29.18616	0.0086	MIDW	KNOLL 115KV	68.49275	0.03722	-0.03042	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.03021	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SOONER 138KV	535	-0.00311	-0.03036	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SOONER 345KV	537	-0.00315	-0.03032	54
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.03347	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.03035	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	CITY OF BURLINGTON 69KV	10048.25	-0.00326	-0.03003	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00326	-0.03003	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOONER 138KV	535	-0.00311	-0.03018	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOONER 345KV	537	-0.00315	-0.03014	54
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.03329	OKGE	SOUTH 4TH ST 69KV	37	-0.00312	-0.03017	54

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To-From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 2007AG1AFS41T285508FA
 Date Redispatch Needed: Starting 2008 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1222937	0.2	0.2	WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.34672	0
			WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE</					

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

WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	CITY OF ERIE 69KV	2	0.00119	-0.16412	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.16211	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WEPL	CLOUD COUNTY 345KV	100	-0.1052	-0.15241	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.16516	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	COGENTRIX 345KV	865	-0.0007	-0.16223	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIDW	COLBY 115KV	10.87052	-0.03518	-0.12775	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	COMANCHE 138KV	145	-0.00474	-0.15819	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	COMANCHE 69KV	20	-0.00474	-0.15819	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	EASTMAN 138KV	355	-0.00092	-0.16201	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.1639	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	ELLIS 69KV	6	-0.00043	-0.1625	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.16233	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	FITZHUGH 161KV	5.99999	-0.00038	-0.16255	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	FLINT CREEK 161KV	400	0.00003	-0.16296	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	FPLWIND 2 34KV	16	-0.00425	-0.15868	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.16016	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.10485	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WEPL	HARPER 138KV	3.68	-0.03125	-0.13168	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.16718	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	HOLTON 115KV	6	0.0706	-0.16999	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.16564	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.16068	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.17653	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.18242	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.10487	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	KNOWLES 138KV	42	-0.00091	-0.16291	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.16679	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIFU	LAKE ROAD 161KV	92	0.00357	-0.1665	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIFU	LAKE ROAD 34KV	92	0.00357	-0.1665	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	EMDE	LARUSSEL 161KV	100	0.0009	-0.16383	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.16996	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	LEBROCK 345KV	315	-0.00092	-0.16201	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	MARSHALL 161KV	15	0.00231	-0.16524	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	MCCLAIN 138KV	470	-0.00253	-0.1604	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	MONTROSE 161KV	352.8881	0.0037	-0.16202	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.16232	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.16221	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	MUSTANG 138KV	160	-0.0025	-0.16043	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	NEARMAN 20KV	235	0.00483	-0.16178	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.16269	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.16282	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	OEC 345KV	369	-0.00052	-0.16241	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	EMDE	OZARK BEACH 161KV	16	0.00066	-0.16359	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	PIRKY GENERATION 138KV	213	-0.00091	-0.16291	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	QUINDARO 69KV	59.99722	0.0048	-0.16773	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	REDBUD 345KV	250	-0.00206	-0.16087	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	EMDE	RIVERTON 161KV	35	0.00083	-0.16376	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	RIVERTON 69KV	44.89714	0.0008	-0.16262	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.16056	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SEMINOLE 345KV	610	-0.00232	-0.16061	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIFU	SIBLEY 161KV	230.7783	0.00394	-0.16687	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIFU	SIBLEY 69KV	45.99999	0.004	-0.16693	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.16544	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.22483	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SOONER 138KV	535	-0.00168	-0.16125	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SOONER 345KV	537	-0.00183	-0.16111	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	MIFU	SOUTH HARPER 161KV	228.2787	0.00448	-0.16741	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	SOUTH SENECA 115KV	4	0.00044	-0.16337	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.15825	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	SOUTHWESTERN STATION 345KV	86	-0.00468	-0.15825	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	SPGCK182 13.200 345KV	10	-0.00226	-0.16067	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	OKGE	STATE LINE 161KV	257.8721	0.00082	-0.16576	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.16877	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	WEATHERFORD 34KV	12	-0.00616	-0.15677	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	WELSH 345KV	1044	-0.00103	-0.16119	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	WILKES 138KV	46.38574	-0.00095	-0.16188	1	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	AEPW	WILKES 345KV	57.1338	-0.0009	-0.16188	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WEPL	A. M. MULLERGEREN GENERATOR 115KV	36.68445	-0.08933	-0.19549	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	OKGE	AES 161KV	320	-0.00049	-0.28433	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	EMDE	ASBURY 161KV	191	0.00112	-0.28594	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	OKGE	CENTRAL WIND 34KV	6	-0.0042	-0.28661	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CHANUTE 69KV	47.15	0.00119	-0.28601	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CITY OF AUGUSTA 69KV	13.66	0.00027	-0.28509	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CITY OF BURLINGTON 69KV	2	10023.8	0.00223	-0.28705	1
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CITY OF ERIE 69KV	2	0.00119	-0.28601	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.28539	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.10426	-0.18056	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WEPL	CLOUD COUNTY 34KV	100	-0.10552	-0.2743	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.28705	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	COGENTRIX 345KV	865	-0.0007	-0.28412	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	MIDW	COLBY 115KV	10.87052	-0.03518	-0.24964	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	COMANCHE 138KV	145	-0.00474	-0.28008	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	COMANCHE 69KV	20	-0.00474	-0.28011	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	EASTMAN 138KV	355	-0.00092	-0.28111	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.28379	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	ELLIS 69KV	6	-0.00043	-0.28439	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.28481	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	FITZHUGH 161KV	5.99999	-0.00038	-0.28444	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	FLINT CREEK 161KV	400	0.00003	-0.28485	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	OKGE	FPLWIND 2 34KV	16	-0.00425	-0.28057	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.28205	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.22674	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.22545	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WEPL	HARPER 138KV	3.68	-0.03125	-0.25267	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.28907	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	HOLTON 115KV	6	0.0706	-0.29188	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.28567	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.28068	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.29842	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.30431	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.22676	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	KNOWLES 138KV	42	-0.00091	-0.28391	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.28482	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.28839	1	
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0							

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	WEATHERFORD 34KV	12	-0.00616	-0.27866	1
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.28482	AEPWF	WELSH 345KV	1044	-0.0103	-0.28379	1
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	WILKES 138KV	46.38574	-0.0095	-0.28287	1
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.28482	AEPW	WILKES 345KV	57.1366	-0.0093	-0.28389	1
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.11128	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	ASBURY 161KV	191	0.00112	-0.10538	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	CHANUTE 69KV	47.15	0.00119	-0.10545	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	CITY OF AUGUSTA 69KV	13.66	0.0022	-0.10453	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.10649	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	CITY OF ERIE 69KV	2	0.00119	-0.10545	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.10649	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	ELK RIVER 345KV	79.94	0.0097	-0.10453	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.10425	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	FLINT CREEK 161KV	400	0.00003	-0.10429	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.10851	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	HOLTON 115KV	6	0.00706	-0.11132	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.11788	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.12375	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.10812	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIPU	LAKE ROAD 161KV	35	0.00357	-0.10783	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIPU	LAKE ROAD 34KV	92	0.00357	-0.10783	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	LARUSSEL 161KV	100	0.0009	-0.10516	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.11129	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	MARSHALL 161KV	15	0.00231	-0.10657	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	MONTROSE 161KV	352.8881	0.0037	-0.10796	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	NEARMAN 20KV	235	0.00483	-0.10303	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.10415	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	OZARK BEACH 161KV	16	0.00066	-0.10432	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	QUINDARO 69KV	59.99722	0.0048	-0.10906	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	RIVERTON 69KV	35	0.00083	-0.10509	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.10506	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIPU	SIBLEY 161KV	230.7783	0.00394	-0.1082	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIPU	SIBLEY 69KV	45.99999	0.004	-0.10826	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.16816	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIPU	SOUTH HARPER 161KV	228.2787	0.0048	-0.10374	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	SOUTH SENECA 115KV	4	0.00044	-0.1047	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.10508	1
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.1101	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WEPL	A. M. MULLERGEREN GENERATOR 115KV	36.68445	-0.08933	-0.1699	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	AES 161KV	320	-0.00049	-0.25874	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	ASBURY 161KV	191	0.00112	-0.26035	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	CENTRAL WIND 34KV	16	-0.00421	-0.25502	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CHANUTE 69KV	47.15	0.00119	-0.26042	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CITY OF AUGUSTA 69KV	13.66	0.0022	-0.25894	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.26146	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CITY OF ERIE 69KV	2	0.00119	-0.26042	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.2584	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	CLAY CENTER JUNCTION 115KV	7	-0.10426	-0.25497	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WEPL	CLOUD COUNTY 34KV	100	-0.01052	-0.24871	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.26146	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	COGENTRIX 345KV	865	-0.0007	-0.25853	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIDW	COLBY 115KV	10.87052	-0.03518	-0.22405	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	COMANCHE 138KV	145	-0.00474	-0.25449	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	COMANCHE 69KV	20	-0.00471	-0.25452	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	EASTMAN 138KV	355	-0.00092	-0.25831	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	ELK RIVER 345KV	79.94	0.00997	-0.2602	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	ELLIS 69KV	6	-0.00093	-0.2588	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.25892	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	FITZLUUGH 161KV	5.999999	-0.00038	-0.25885	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	FLINT CREEK 161KV	400	0.00003	-0.25926	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	FPLWIND2 34KV	16	-0.00425	-0.25498	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.25646	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.20115	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.19986	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WEPL	HARPER 138KV	3.68	-0.03125	-0.22798	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.26348	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	HOLTON 115KV	6	0.00706	-0.26871	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.25694	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.25698	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.27283	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.27872	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.20117	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	KNOXLEE 138KV	42	-0.00091	-0.25832	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.26309	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIPU	LAKE ROAD 161KV	35	0.00357	-0.2628	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIPU	LAKE ROAD 34KV	92	0.00357	-0.2628	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	LARUSSEL 161KV	100	0.0009	-0.26013	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.26626	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	LEBROCK 345KV	315	-0.00092	-0.25831	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	MARSHALL 161KV	15	0.00231	-0.26154	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	MCLAIN 138KV	470	-0.00253	-0.2567	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	MONTROSE 161KV	352.8881	0.0037	-0.26293	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.25862	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.25891	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	MUSTANG 138KV	160	-0.002	-0.25673	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	NEARMAN 20KV	235	0.00483	-0.26406	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.25896	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.25912	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	OEC 345KV	398	-0.00052	-0.25871	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	OZARK BEACH 161KV	16	0.00066	-0.25893	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	KACP	PIRKEY GENERATION 138KV	213	-0.00091	-0.25832	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	QUINDARO 69KV	59.99722	0.0048	-0.26403	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	REDBUD 345KV	250	-0.00206	-0.25717	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	RIVERTON 69KV	35	0.00083	-0.25626	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.26003	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.25866	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	SEMINOLE 345KV	610	-0.00232	-0.25891	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIPU	SIBLEY 161KV	230.7783	0.00394	-0.26317	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIPU	SIBLEY 69KV	45.99999	0.004	-0.26323	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.25674	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	SOONER 138KV	535	-0.00168	-0.25755	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	OKGE	SOONER 345KV	537	-0.00183	-0.2574	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	MIPU	SOUTH HARPER 161KV	228.2787	0.0048	-0.26371	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	WERE	SOUTH SENECA 115KV	4	0.00044	-0.25967	1
WERE	ELLINWOOD 115KV	2.9	-0.25923	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.25455	1
WERE	ELLINWOOD 115KV								

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

WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.16392	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WEPL	HARPER 138KV	3.68	-0.03125	-0.19204	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACP	HAWTHORN 161KV	561.3916	0.0425	-0.21764	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	HOLTON 115KV	6	0.00706	-0.23035	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.221	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.22104	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.23899	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.24178	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.16523	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	KNOXLEE 138KV	42	-0.00091	-0.22238	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.22715	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	MIFU	LAKE ROAD 161KV	35	0.00357	-0.22686	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	MIFU	LAKE ROAD 34KV	92	0.00357	-0.22686	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	EMDE	LARUSSEL 161KV	100	0.0009	-0.22419	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.23032	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	LEBROCK 345KV	315	-0.00092	-0.22237	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACP	MARSHALL 161KV	15	0.00231	-0.2226	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	MCCLAIN 138KV	470	-0.00253	-0.22076	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACP	MONTROSE 161KV	352.8881	0.0037	-0.22699	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.22268	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.22257	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	MUSTANS 138KV	160	-0.0025	-0.23079	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACY	NEARMAN 20KV	235	0.00483	-0.22812	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.22302	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.22318	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	OEC 345KV	369	-0.00052	-0.22238	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	EMDE	OZARK BEACH 161KV	16	0.00066	-0.22395	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	PIRKEY GENERATION 138KV	213	-0.00091	-0.22238	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	KACY	QUINDARO 69KV	59.99722	0.0048	-0.22809	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	REDBUD 345KV	250	-0.00206	-0.22084	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	EMDE	RIVERTON 161KV	35	0.00083	-0.22412	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.22409	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.22092	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	SEMINOLE 345KV	610	-0.00232	-0.22097	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	MIFU	SIBLEY 161KV	230.7793	0.00394	-0.22123	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	MIFU	SIBLEY 69KV	45.99999	0.004	-0.22729	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.2208	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.28519	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	SOONER 138KV	535	-0.00168	-0.22161	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	SOONER 345KV	537	-0.00183	-0.22146	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	MIFU	SOUTH HARPER 161KV	228.2787	0.00448	-0.22777	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	SOUTH SENECA 115KV	4	0.00044	-0.22373	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.21961	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	SOUTHWESTERN STATION 345KV	96	-0.00468	-0.21961	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	EMDE	SPGCK182 13.200 345KV	10	-0.00226	-0.22103	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	OKGE	STATE LINE 161KV	257.8721	0.00082	-0.22411	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.22913	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	WEATHERFORD 34KV	12	-0.00616	-0.21674	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	WELSH 345KV	1044	-0.00103	-0.22226	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	WILKES 138KV	46.38574	-0.00095	-0.22234	1
WERE	HUTCHINSON ENERGY CENTER 115KV	269	-0.22329	AEPW	WILKES 345KV	57.1366	-0.00093	-0.22236	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WEPL	A. M. MULLERGEN GENERATOR 115KV	36.68445	-0.08933	-0.13357	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	AES 161KV	191	0.00426	-0.22041	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	EMDE	ASBURY 161KV	191	0.00112	-0.22402	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	CENTENIAL WIND 34KV	16	-0.00421	-0.21869	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CHANUTE 69KV	47.15	0.00119	-0.22409	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CITY OF AUGUSTA 69KV	13.86	0.00027	-0.22317	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CITY OF BURLINGTON 69KV	1002.6	0.00223	-0.22313	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CITY OF ERIE 69KV	2	0.00119	-0.22409	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.22207	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.10426	-0.11864	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WEPL	CLOUD COUNTY 34KV	100	-0.0052	-0.22128	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.22513	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	COGENTRIX 345KV	865	-0.0007	-0.2222	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	MIFU	COLBY 115KV	10.87052	-0.03518	-0.18772	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	COMMANCHE 138KV	145	-0.00474	-0.21816	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	COMMANCHE 69KV	36	-0.00474	-0.21816	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	EASTMAN 138KV	365	-0.00092	-0.22198	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.22387	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	ELLIS 69KV	6	-0.00043	-0.22247	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	EVANS ENERGY CENTER 138KV	421.387	-0.0006	-0.22369	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	FITZLUUGH 161KV	5.999999	-0.00038	-0.22525	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	FLINT CREEK 161KV	400	0.00003	-0.22293	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	FPLWIND2 34KV	16	-0.00425	-0.21865	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.22013	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05828	-0.16482	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.16393	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WEPL	HARPER 138KV	3.68	-0.03125	-0.19165	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACP	HAWTHORN 161KV	561.3916	0.0425	-0.22715	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	HOLTON 115KV	6	0.00706	-0.23066	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.22061	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.22065	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.236	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.24239	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.16484	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	KNOXLEE 138KV	42	-0.00091	-0.22199	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.22676	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	MIFU	LAKE ROAD 161KV	35	0.00357	-0.22647	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	MIFU	LAKE ROAD 34KV	92	0.00357	-0.22647	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	EMDE	LARUSSEL 161KV	100	0.0009	-0.2238	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.22993	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	LEBROCK 345KV	315	-0.00092	-0.22198	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACP	MARSHALL 161KV	15	0.00231	-0.22521	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	MCCLAIN 138KV	470	-0.00253	-0.22037	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACP	MONTROSE 161KV	352.8881	0.0037	-0.2266	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.22229	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.22218	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	OKGE	MUSTANS 138KV	160	-0.0025	-0.2304	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	KACY	NEARMAN 20KV	235	0.00483	-0.22773	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.22263	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.22279	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	OEC 345KV	369	-0.00052	-0.22238	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	EMDE	OZARK BEACH 161KV	16	0.00066	-0.22356	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.2229	AEPW	PIRKEY GENERATION 138KV	213	-0.00091	-0.22199	1
WERE	HUTCHINSON ENERGY CENTER 69KV								

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

MIDW	Yorns 115kv		999	-0.27009	WEPL	CLOUD COUNTY 34KV	100	-0.01092	-0.25957	1
MIDW	Yorns 115kv		999	-0.27009	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.27232	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	COGENTRIX 345KV	865	-0.0002	-0.26939	1
MIDW	Yorns 115kv		999	-0.27009	MIDW	COLBY 115KV	10.87052	-0.03518	-0.23491	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	COMANCHE 138KV	145	-0.00474	-0.26535	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	COMANCHE 69KV	20	-0.00471	-0.26538	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	EASTMAN 138KV	355	-0.00092	-0.26917	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.27108	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	ELLIS 69KV	6	-0.00043	-0.26966	1
MIDW	Yorns 115kv		999	-0.27009	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.27008	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	FITZHUGH 161KV	5.999999	-0.00038	-0.26971	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	FLINT CREEK 161KV	400	0.00003	-0.27203	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	FRLWND2 34KV	16	-0.00425	-0.26584	1
MIDW	Yorns 115kv		999	-0.27009	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.26732	1
MIDW	Yorns 115kv		999	-0.27009	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.21201	1
MIDW	Yorns 115kv		999	-0.27009	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.21072	1
MIDW	Yorns 115kv		999	-0.27009	WEPL	HARPER 138KV	3.88	-0.03125	-0.23884	1
MIDW	Yorns 115kv		999	-0.27009	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.27434	1
MIDW	Yorns 115kv		999	-0.27009	WERE	HOLTON 115KV	6	0.00706	-0.27715	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.26778	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.27712	1
MIDW	Yorns 115kv		999	-0.27009	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.25369	1
MIDW	Yorns 115kv		999	-0.27009	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.28958	1
MIDW	Yorns 115kv		999	-0.27009	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.21203	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	KNOXLEE 138KV	42	-0.00091	-0.26918	1
MIDW	Yorns 115kv		999	-0.27009	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.23536	1
MIDW	Yorns 115kv		999	-0.27009	MIPU	LAKE ROAD 161KV	35	0.00357	-0.27366	1
MIDW	Yorns 115kv		999	-0.27009	MIPU	LAKE ROAD 34KV	92	0.00357	-0.27366	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	LARUSSEL 161KV	100	0.0009	-0.27099	1
MIDW	Yorns 115kv		999	-0.27009	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.27172	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	LEBROCK 345KV	310	-0.00092	-0.26917	1
MIDW	Yorns 115kv		999	-0.27009	KACP	MARSHALL 161KV	15	0.00231	-0.2724	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	MCCLAIN 138KV	470	-0.00253	-0.26756	1
MIDW	Yorns 115kv		999	-0.27009	KACP	MONTROSE 161KV	352.8881	0.0037	-0.27379	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.26948	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.26937	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	MUSTANG 138KV	160	-0.0025	-0.26759	1
MIDW	Yorns 115kv		999	-0.27009	KACY	NEARMAN 20KV	235	0.00483	-0.27492	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.26962	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.26998	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	OEC 345KV	369	-0.00052	-0.26957	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	OZARK BEACH 161KV	16	0.00066	-0.27075	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	PIRKY GENERATION 138KV	213	-0.00091	-0.26918	1
MIDW	Yorns 115kv		999	-0.27009	KACY	QUINDARO 69KV	59.99722	0.0048	-0.26948	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	REDBUD 345KV	250	-0.00206	-0.26903	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	RIVERTON 161KV	35	0.00083	-0.27092	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.27099	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.26979	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SEMINOLE 345KV	610	-0.00232	-0.26777	1
MIDW	Yorns 115kv		999	-0.27009	MIPU	SIBLEY 161KV	230.7783	0.00394	-0.27403	1
MIDW	Yorns 115kv		999	-0.27009	MIPU	SIBLEY 69KV	45.99999	0.004	-0.27409	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.2676	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SOONER 138KV	535	-0.00168	-0.26941	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SOONER 345KV	537	-0.00183	-0.26826	1
MIDW	Yorns 115kv		999	-0.27009	MIPU	SOUTH HARPER 161KV	228.2787	0.00448	-0.27457	1
MIDW	Yorns 115kv		999	-0.27009	WERE	SOUTH SENECA 115KV	4	0.00044	-0.27053	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.26841	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	SOUTHWESTERN STATION 345KV	56	-0.00468	-0.26841	1
MIDW	Yorns 115kv		999	-0.27009	OKGE	SPGK182 13.200 345KV	10	-0.00226	-0.26783	1
MIDW	Yorns 115kv		999	-0.27009	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.27091	1
MIDW	Yorns 115kv		999	-0.27009	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.27593	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	WEATHERFORD 34KV	12	-0.0816	-0.26933	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	WELSH 345KV	1044	-0.00103	-0.26906	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	WILKES 138KV	46.38574	-0.00095	-0.26914	1
MIDW	Yorns 115kv		999	-0.27009	AEPW	WILKES 345KV	57.1396	-0.00093	-0.26916	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	AES 161KV	320	-0.00049	-0.11399	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	ASBURY 161KV	191	0.00119	-0.11365	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	CENTENIAL WIND 34KV	16	-0.00421	-0.11027	1
MIDW	pwamee 115kv		999	-0.11448	WERE	CHANUTE 69KV	47.15	0.00119	-0.11567	1
MIDW	pwamee 115kv		999	-0.11448	WERE	CITY OF AUGUSTA 69KV	13.86	0.00027	-0.11475	1
MIDW	pwamee 115kv		999	-0.11448	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00227	-0.11571	1
MIDW	pwamee 115kv		999	-0.11448	WERE	CITY OF ERIE 69KV	2	0.00119	-0.11567	1
MIDW	pwamee 115kv		999	-0.11448	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.11365	1
MIDW	pwamee 115kv		999	-0.11448	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.11671	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	COGENTRIX 345KV	865	-0.0002	-0.11378	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	COMANCHE 138KV	145	-0.00474	-0.10974	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	COMANCHE 69KV	20	-0.00471	-0.10977	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	EASTMAN 138KV	355	-0.00092	-0.11356	1
MIDW	pwamee 115kv		999	-0.11448	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.11545	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	ELLIS 69KV	6	-0.00043	-0.11405	1
MIDW	pwamee 115kv		999	-0.11448	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.11447	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	FITZHUGH 161KV	5.999999	-0.00038	-0.1141	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	FLINT CREEK 161KV	400	0.00003	-0.11451	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	FRLWND2 34KV	16	-0.00425	-0.11023	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	GILL ENERGY CENTER 138KV	155	-0.00277	-0.11171	1
MIDW	pwamee 115kv		999	-0.11448	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.11873	1
MIDW	pwamee 115kv		999	-0.11448	WERE	HOLTON 115KV	6	0.00706	-0.12154	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.11219	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.11223	1
MIDW	pwamee 115kv		999	-0.11448	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.12808	1
MIDW	pwamee 115kv		999	-0.11448	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.13397	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	KNOXLEE 138KV	42	-0.00091	-0.11357	1
MIDW	pwamee 115kv		999	-0.11448	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.11834	1
MIDW	pwamee 115kv		999	-0.11448	MIPU	LAKE ROAD 161KV	35	0.00357	-0.11805	1
MIDW	pwamee 115kv		999	-0.11448	MIPU	LAKE ROAD 34KV	92	0.00357	-0.11805	1
MIDW	pwamee 115kv		999	-0.11448	EMDE	LARUSSEL 161KV	100	0.0009	-0.11538	1
MIDW	pwamee 115kv		999	-0.11448	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.12151	1
MIDW	pwamee 115kv		999	-0.11448	AEPW	LEBROCK 345KV	310	-0.00092	-0.11356	1
MIDW	pwamee 115kv		999	-0.11448	KACP	MARSHALL 161KV	15	0.00231	-0.11679	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	MCCLAIN 138KV	470	-0.00253	-0.11195	1
MIDW	pwamee 115kv		999	-0.11448	KACP	MONTROSE 161KV	352.8881	0.0037	-0.11818	1
MIDW	pwamee 115kv		999	-0.11448	OKGE	MUSKOGEE 161KV	138	-0.000		

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

WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.09156	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	CITY OF ERIE 69KV	2	0.00119	-0.09052	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.08865	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WEPL	CLOUD COUNTY 34KV	100	-0.01052	-0.07881	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.09156	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	COGENTRIX 345KV	865	-0.0007	-0.08863	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	COMANCHE 138KV	145	-0.00474	-0.08459	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	COMANCHE 69KV	0.04471	-0.00071	-0.08462	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	EASTMAN 138KV	365	-0.00092	-0.08841	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	EK RIVER 345KV	79.94	0.00097	-0.0903	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	ELLIS 69KV	6	-0.00443	-0.0889	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.0889	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	FITZLUUGH 161KV	5.99999	-0.00038	-0.08895	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	FLINT CREEK 161KV	400	0.00003	-0.08936	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	FPLWIND2 34KV	16	-0.00425	-0.08508	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.08656	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.09538	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	HOLTON 115KV	6	0.00706	-0.09639	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.08704	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.08708	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.10293	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	KNOXLEE 138KV	42	-0.00091	-0.08842	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACP	LACYGNE UNIT 345KV	968	0.00386	-0.09319	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	MIPU	LAKE ROAD 161KV	35	0.00357	-0.0929	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	MIPU	LAKE ROAD 34KV	92	0.00357	-0.0929	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	LARSEL 161KV	160	-0.0025	-0.09203	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.09636	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	LEBROCK 345KV	315	-0.00092	-0.08841	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACP	MARSHALL 161KV	15	0.00231	-0.09164	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	MCCLAIN 138KV	470	0.00066	-0.0899	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACP	MONTRÖSE 161KV	352.8881	0.0037	-0.09303	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.08872	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.08861	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	MUSTANG 138KV	160	-0.0025	-0.08863	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACY	NEARMAN 20KV	235	0.00483	-0.09416	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.08906	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.08922	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	OEC 345KV	369	-0.00052	-0.08881	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	OZARK BEACH 161KV	16	0.00066	-0.0899	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	PIRKEY ENERGY CENTER 138KV	213	-0.00091	-0.08842	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	KACY	QUINDARO 69KV	59.99722	0.0048	-0.09413	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	REDDUD 345KV	250	-0.00206	-0.09272	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	RIVERTON 161KV	35	0.00083	-0.08761	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	RIVERTON 69KV	44.8978	0.00006	-0.09413	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.08696	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SEMINOLE 345KV	610	-0.00232	-0.08701	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	MIPU	SIBLEY 161KV	230.7783	0.00394	-0.09327	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	MIPU	SIBLEY 69KV	45.99989	-0.0004	-0.09233	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.08864	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SOONER 138KV	535	-0.00168	-0.08765	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SOONER 345KV	537	-0.00183	-0.0875	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	MIPU	SOUTH HARPER 161KV	228.2787	0.00448	-0.09381	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SOUTH SENeca 115KV	4	-0.00094	-0.08877	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.08465	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	SOUTHWESTERN STATION 345KV	86	-0.00468	-0.08465	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	SPGK182 13 200 345KV	10	-0.00226	-0.08707	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.09015	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	TEGUSHER ENERGY CENTER 115KV	133	0.0056	-0.09116	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	WEATHERFORD 34KV	12	-0.00616	-0.08317	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	WELSH 345KV	1044	-0.00103	-0.0883	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	AEPW	WILKS 138KV	46.38574	-0.00095	-0.09383	2
WEPL	A. M. MULLERGRN GENERATOR 115KV	26.31555	-0.08933	OKGE	WILKS 345KV	57.1366	-0.00093	-0.08884	2
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	WEPL	A. M. MULLERGRN GENERATOR 115KV	36.68445	-0.08933	-0.0736	2
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16293	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.10356	2
AEPW	ARSENAL HILL 69KV	110	-0.00083	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06273	2
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.06296	2
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01943	-0.06287	2
WERE	CITY OF MULVANE 69KV	10.291	-0.00083	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06273	2
WERE	CITY OF WINFIELD 69KV	40	-0.00085	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06275	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	AES 161KV	320	-0.00049	-0.10377	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	CENTRAL WIND 34KV	4	-0.0042	-0.10365	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.10343	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WEPL	CLOUD COUNTY 34KV	100	-0.01052	-0.09374	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	COGENTRIX 345KV	865	-0.0007	-0.10356	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	MIDW	COLBY 115KV	10.87052	-0.03518	-0.06908	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	COMANCHE 138KV	15	-0.00474	-0.09952	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	COMANCHE 69KV	20	-0.00471	-0.09955	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	EASTMAN 138KV	365	-0.00092	-0.10334	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	ELLIS 69KV	6	-0.00443	-0.10383	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	FITZLUUGH 161KV	5.99999	-0.00038	-0.10386	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	FPLWIND2 34KV	16	-0.00425	-0.10001	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.10149	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WEPL	HARPER 138KV	3.68	-0.03125	-0.10701	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.10197	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.10201	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	KNOXLEE 138KV	42	-0.00091	-0.10335	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	LEBROCK 345KV	315	-0.00092	-0.10334	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	MCCLAIN 138KV	470	0.00066	-0.10173	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.10365	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.10354	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	MUSTANG 138KV	160	-0.0025	-0.10176	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.10399	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	OEC 345KV	369	-0.00052	-0.10374	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	AEPW	PIRKEY ENERGY CENTER 138KV	213	-0.00091	-0.10335	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	REDDUD 345KV	250	-0.00206	-0.1022	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.10189	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	SEMINOLE 345KV	610	-0.00232	-0.10194	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.10177	2
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	OKGE	SOONER 138KV	535	-0.00168	-0.10258	2

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

AEWP	NORTH MARSHALL 69KV	5	-0.0009	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0628	2
WERE	OXFORD 138KV	3	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0627	2
MIDW	pawnee 115kv	999	-0.11448	WEPL	CLOUD COUNTY 34KV	100	-0.01052	-0.0206	2
MIDW	pawnee 115kv	999	-0.11448	MIDW	COLBY 115KV	10,870	-0.03518	-0.0793	3
MIDW	pawnee 115kv	999	-0.11448	WEPL	HARPER 115KV	3.68	-0.03125	-0.08323	2
AEWP	PIRKEY GENERATION 138KV	75	-0.00091	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06281	2
OKGE	REDBUD 345KV	960	-0.00206	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06396	2
OKGE	SEMINOLE 138KV	250.0392	-0.00237	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06407	2
OKGE	SEMINOLE 345KV	419.6	-0.00232	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06422	2
OKGE	SMITH COGEN 138KV	3	-0.00249	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06439	2
OKGE	SOONER 138KV	5	-0.00168	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06358	2
OKGE	SOONER 345KV	3	-0.00183	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06373	2
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00215	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06405	2
AEWP	SOUTHWESTERN STATION 138KV	379	-0.00468	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06658	2
AEWP	SOUTHWESTERN STATION 138KV	1091	-0.00468	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06658	2
OKGE	SPGCK1&2 13.200 345KV	68	-0.00226	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06416	2
OKGE	SPGCK3&4 13.200 345KV	168	-0.00226	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06416	2
OKGE	TINKER 5G 138KV	62	-0.0024	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0643	2
AEWP	TULSA POWER STATION 138KV	307	-0.00064	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06254	2
AEWP	TULSA POWER STATION 69KV	80	-0.00064	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06254	2
WERE	WACO 138KV	30	-0.00249	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06439	2
AEWP	WEELETKA 138KV	162	-0.00137	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06327	2
AEWP	WILKES 138KV	441.8143	-0.00095	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06285	2
AEWP	WILKES 345KV	253.8634	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06283	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	26.31555	-0.08933	MIDW	COLBY 115KV	10,870	-0.03518	-0.05415	3
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	26.31555	-0.08933	MIDW	HARPER 115KV	3.68	-0.03125	-0.05415	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.16293	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.10426	-0.05867	3
MIPU	ARIES 161KV	595	0.00421	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05769	3
EMDE	ASBURY 161KV	20	0.00112	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06078	3
BPJ	CITY OF MCPHERSON 115KV	233	-0.22462	WERE	HUTCHINSON ENERGY CENTER 115KV	175	-0.22329	-0.06153	3
KACP	BULL CREEK 161KV	413	0.00506	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05684	3
WERE	CHANUTE 69KV	33.45	0.00119	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06071	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	AES 161KV	320	-0.00049	-0.04889	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	ASBURY 161KV	191	0.00112	-0.0505	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	CENTRAL WIND 34KV	16	-0.00421	-0.04517	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	CHANUTE 69KV	47.15	0.00119	-0.05057	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	CITY OF AUGUSTA 69KV	13.66	0.00027	-0.04965	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.05161	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	CITY OF ERIE 69KV	2	0.0119	-0.05267	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.04855	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.05161	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	COGENTRIX 345KV	865	-0.0007	-0.04868	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	COMANCHE 138KV	145	-0.00474	-0.04464	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	COMANCHE 69KV	20	-0.00471	-0.04467	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	EASTMAN 138KV	355	-0.00092	-0.04846	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.05035	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	ELLIS 69KV	6	-0.00443	-0.04895	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	EVANS ENERGY CENTER 138KV	421.367	0.00027	-0.04931	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	FITZHUGH 161KV	5.999999	-0.00038	-0.049	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	FLINT CREEK 161KV	400	0.00003	-0.04941	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	FPLWIND2 34KV	16	-0.00425	-0.04513	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.04661	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.05441	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	HOLTON 115KV	6	0.00706	-0.05644	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.04709	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.04713	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	KNOWLEE 138KV	42	-0.00091	-0.04847	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	LACYGNANT 345KV	92	0.00388	-0.05024	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	LAKE ROAD 161KV	35	0.00357	-0.05295	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	LAKE ROAD 34KV	92	0.00357	-0.05295	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	LARUSSEL 161KV	100	0.0009	-0.05028	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.05441	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	LEBROCK 345KV	315	-0.00092	-0.04846	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	MARSHALL 161KV	15	0.00231	-0.05169	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	MCCLAIN 138KV	470	-0.00253	-0.04685	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	MONTROSE 161KV	352.8881	0.0037	-0.05038	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	MUSKOGEE 161KV	138	-0.0006	-0.04877	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.04866	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	MUSTANG 138KV	160	-0.0025	-0.04688	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	NEARMAN 20KV	235	0.00483	-0.05421	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	NORTHEASTERN STATION 138KV	370	-0.00021	-0.04931	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	NORTHEASTERN STATION 345KV	625	-0.00011	-0.04927	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	OEC 345KV	369	-0.00052	-0.04866	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	OZARK BEACH 161KV	16	0.00066	-0.05004	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	PIRKEY GENERATION 138KV	75	-0.00091	-0.04847	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	QUINDARO 69KV	59.99722	0.0048	-0.05181	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	REDBUD 345KV	250	-0.00206	-0.04732	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	RIVERTON 161KV	35	0.00083	-0.05021	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.05018	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.04701	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SEMINOLE 345KV	610	-0.00232	-0.04706	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	SIBLEY 161KV	230.7783	0.00394	-0.05332	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	SIBLEY 69KV	45.99999	0.004	-0.05338	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.04889	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SOONER 138KV	636	-0.00168	-0.05187	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SOONER 345KV	537	-0.00183	-0.04755	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	SOUTH HARPER 161KV	228.2787	0.00448	-0.05386	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	SOUTH SENECA 115KV	4	0.00044	-0.04862	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.04447	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	SOUTHWESTERN STATION 138KV	88	-0.00468	-0.04447	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	OKGE	SPGCK1&2 13.200 345KV	10	-0.00226	-0.04712	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.0502	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.05522	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	WELSH 345KV	105	-0.00421	-0.04535	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	WILKES 138KV	46.38574	-0.00095	-0.04843	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	AEWP	WILKES 345KV	57.1366	-0.00093	-0.04845	3
WERE	CITY OF AUGUSTA 69KV	21.16999	0.00027	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06163	3
WERE	CITY OF BURLINGTON 69KV	54.7	0.00223	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06163	3
WERE	CITY OF ERIE 69KV	24.53	0.00119	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06071	3
WERE	CITY OF FREDONIA 69KV	10.294	0.00093	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06097	3
WERE	CITY OF GIRARD 69KV	10.7	0.00123	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06067	3
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00327	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05863	3
WERE	CITY OF OLA 69KV	42.878	0.00139	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06051	3
WERE	CITY OF NEEDSHA 69KV	6.738	0.00084	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06106	3
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.04618	3
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.04489	3
WERE	CLAY CENTER JUNCTION 115KV	22	-0.10426	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.04662	3
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.04878	3
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01949	-0.05467	3
AEWP	ELLIS 69KV	20	-0.00043	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06233	3
WERE	EMPORIA ENERGY CENTER 345KV	433	0.00705	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05435	3
AEWP	EVANS ENERGY CENTER 138KV	251.609	-0.00001	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06191	3
AEWP	FITZHUGH 161KV	150	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06228	3
AEWP	FLINT CREEK 161KV	28	0.00003	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06187	3
KACP	GARDNER 161KV	11	0.00506	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05684	3
WERE	GETTY 69KV	38	0.00054	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06136	3
MIPU	GREENWOOD 161KV	255.8	0.00419	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05171	3
WERE	HARPER 13								

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

WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	ELLIS 69KV	6	-0.00043	-0.05763	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.05805	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	FITZTUGH 161KV	5.999999	-0.00032	-0.05768	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	FLINT CREEK 161KV	400	0.00003	-0.05809	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	FFLW2 34KV	16	-0.00425	-0.05381	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	WERE	GILL ENERGY CENTER 138KV	165	-0.00277	-0.05529	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.06231	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	HORSESHOE LAKE 138KV	83.87012	-0.00222	-0.05617	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.05581	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	KNOXLEE 138KV	42	-0.00091	-0.05715	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.06192	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	MIFU	LAKE ROAD 161KV	35	0.00357	-0.06163	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	MIFU	LAKE ROAD 34KV	92	0.00357	-0.06163	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	EMDE	LARUSSEL 161KV	100	0.00009	-0.05896	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	LEBROCK 345KV	315	-0.00092	-0.05714	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	KACP	MARSHALL 161KV	15	0.00231	-0.06037	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	MCCLAIN 138KV	470	-0.00253	-0.05553	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	KACP	MONTRUSE 161KV	352.8881	0.0037	-0.06176	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.05745	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.05734	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	MUSTANG 138KV	160	-0.0025	-0.05556	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.05779	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.05795	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	DEC 345KV	369	-0.00052	-0.05754	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	EMDE	OZARK BEACH 161KV	16	0.00066	-0.05972	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	PIRKEY GENERATION 138KV	219	-0.00129	-0.05715	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	REDDUD 345KV	250	-0.00206	-0.056	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	EMDE	RIVERTON 161KV	35	0.00083	-0.05889	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.05886	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	SEMINOLE 138KV	254.9608	-0.00237	-0.05569	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	SEMINOLE 345KV	10	-0.00232	-0.05574	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	MIFU	SIBLEY 161KV	230.7783	0.00394	-0.062	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	MIFU	SIBLEY 69KV	45.999999	0.004	-0.06206	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.05557	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	SOONER 138KV	634	0.0168	-0.05638	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	SOONER 345KV	537	-0.00183	-0.05623	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	WERE	SOUTH SENeca 115KV	4	0.00044	-0.0585	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.05338	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	SOUTHWESTERN STATION 345KV	86	-0.00468	-0.05338	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	OKGE	SPGK182 13.200 345KV	10	-0.00226	-0.0558	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.05888	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	WEATHERFORD 34KV	12	-0.00616	-0.0519	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	WELSH 345KV	1044	-0.00103	-0.05703	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	WILKES 138KV	46.38574	-0.0009	-0.05711	3
WEPL	JUDSON LARGE 115KV	27.5603	-0.05806	AEPW	WILKES 345KV	57.1566	-0.00093	-0.05713	3
KACY	KAW 69KV	242	0.00479	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05711	3
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0136	-0.04638	3
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	JEFFREY ENERGY CENTER 345KV	907	0.01949	-0.04627	3
MIFU	LAKE ROAD 161KV	91	0.00357	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05833	3
EMDE	LARUSSEL 161KV	196	0.0009	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0561	3
WERE	LAWRENCE ENERGY CENTER 230KV	35.78961	0.00703	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05487	3
MIDW	LYONS 115KV	999	-0.27009	WERE	HUTCHINSON ENERGY CENTER 115KV	175	-0.22249	-0.0468	3
KACP	MARSHALL 161KV	38.1	0.00231	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05869	3
AEPW	MID-CONTINENT 38KV	142.111	-0.00916	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06206	3
KACP	MONTRUSE 161KV	28.11191	0.0037	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0582	3
KACY	NEARMAN 161KV	80	0.00483	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05707	3
MIFU	NEVADA 69KV	20.3	0.00295	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05895	3
KACP	NORTHEAST 13KV	277	0.00441	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05749	3
KACP	NORTHEAST 161KV	277	0.00441	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05749	3
AEPW	NORTHEASTERN STATION 138KV	198	-0.00027	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06217	3
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06201	3
AEPW	OZC 345KV	1778.09	-0.00052	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0542	3
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00409	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05781	3
MIDW	pwamee 115kv	999	-0.11448	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.0564	3
MIDW	pwamee 115kv	999	-0.11448	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.97507	-0.05937	-0.05511	3
MIDW	pwamee 115kv	999	-0.11448	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.05642	3
KACY	QUINDARO 161KV	236.878	0.00481	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05708	3
KACY	QUINDARO 69KV	117.0028	0.0048	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0571	3
MIFU	RALPH GREEN 69KV	73.7	0.00414	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05776	3
MIDW	ree 115kv	999	-0.00016	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06206	3
EMDE	RIVERTON 161KV	250	0.00035	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05107	3
EMDE	RIVERTON 69KV	23.10285	0.0008	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0611	3
MIFU	SIBLEY 161KV	19.22168	0.00394	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05796	3
MIFU	SIBLEY 69KV	1.200012	0.004	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.0579	3
MIFU	SOUTH HARPER 161KV	86.72129	0.00448	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05742	3
WERE	SOUTH SENeca 115KV	12.7	0.00044	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05616	3
EMDE	STATE LINE 161KV	348.1279	0.00082	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.06108	3
WERE	TECUMSEH ENERGY CENTER 115KV	28	0.00584	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05606	3
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00578	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05612	3
AEPW	TONTTOWN 161KV	348.12	-0.00025	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05616	3
MIFU	TWA 161KV	32.1	0.00462	WERE	SMOKEY HILLS 34KV	76	0.0619	-0.05728	3
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WEPL	CLOUD COUNTY 34KV	100	-0.01052	-0.03886	4
WEPL	WEPL	72	-0.04938	WEPL	WEATHERFORD 34KV	12	-0.00616	-0.04322	4
MIDW	COLBY 115KV	14.12948	-0.03518	EMDE	ASBURY 161KV	191	0.00112	-0.0363	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	CHALUTE 69KV	47.15	0.00119	-0.03537	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	CITY OF AUGUSTA 69KV	13.66	0.00027	-0.03545	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.03741	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	CITY OF ERIE 69KV	2	0.00119	-0.03637	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.03741	4
MIDW	COLBY 115KV	14.12948	-0.03518	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.03615	4
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	ELLIS 69KV	6	-0.00043	-0.03475	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.03517	4
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	FITZTUGH 161KV	5.999999	-0.00038	-0.0348	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	FLINT CREEK 161KV	400	0.00003	-0.0348	4
MIDW	COLBY 115KV	14.12948	-0.03518	KACP	HAWTHORN 161KV	561.3916	0.00425	-0.03943	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	HOLTON 115KV	6	0.00706	-0.04224	4
MIDW	COLBY 115KV	14.12948	-0.03518	KACP	LACYGNE UNIT 345KV	958	0.00386	-0.03904	4
MIDW	COLBY 115KV	14.12948	-0.03518	MIFU	LAKE ROAD 161KV	35	0.00357	-0.03875	4
MIDW	COLBY 115KV	14.12948	-0.03518	MIFU	LAKE ROAD 34KV	92	0.00357	-0.03875	4
MIDW	COLBY 115KV	14.12948	-0.03518	EMDE	LARUSSEL 161KV	100	0.00009	-0.03608	4
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.04221	4
MIDW	COLBY 115KV	14.12948	-0.03518	KACP	MARSHALL 161KV	15	0.00231	-0.03749	4
MIDW	COLBY 115KV	14.12948	-0.03518	KACP	MONTRUSE 161KV	352.8881	0.0037	-0.03888	4
MIDW	COLBY 115KV	14.12948	-0.03518	KACY	NEARMAN 20KV				

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

MIDW	KNOLL 115KV	75.924	-0.03278	WERE	LAWRENCE ENERGY CENTER 230KV	233.2104	0.00703	-0.03981	4
MIDW	KNOLL 115KV	75.924	-0.03278	RACP	MARSHALL 161KV	15	0.00231	-0.03509	4
MIDW	KNOLL 115KV	75.924	-0.03278	RACP	MONROGEE 161KV	352.8891	0.00227	-0.03648	4
MIDW	KNOLL 115KV	75.924	-0.03278	KACY	NEARMAN 20KV	235	0.00483	-0.03761	4
MIDW	KNOLL 115KV	75.924	-0.03278	KACY	QUINDARO 20KV	59.99722	0.0048	-0.03758	4
MIDW	KNOLL 115KV	75.924	-0.03278	MIPFU	SIBLEY 161KV	230.7783	0.00394	-0.03672	4
MIDW	KNOLL 115KV	75.924	-0.03278	MIPFU	SIBLEY 69KV	45.99999	0.004	-0.03678	4
MIDW	KNOLL 115KV	75.924	-0.03278	MIPFU	SOUTH HARPER 161KV	228.2787	0.00448	-0.03726	4
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00584	-0.03862	4
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	26.31555	-0.08933	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.05808	-0.03125	5
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	26.31555	-0.08933	WEPL	JUDSON LARGE 115KV	75.4397	-0.05806	-0.03127	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	AES 161KV	320	-0.00409	-0.03468	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	CENTENAL WIND 34KV	16	-0.00421	-0.03097	5
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.03435	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	COGENTRIX 345KV	865	-0.0007	-0.03448	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	COMANCHE 138KV	145	-0.00474	-0.03044	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	COMANCHE 69KV	20	-0.00471	-0.03047	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	EASTMAN 138KV	365	-0.00092	-0.03426	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	FPLWIND2 34KV	16	-0.00425	-0.03093	5
MIDW	COLBY 115KV	14.12948	-0.03518	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.03241	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.03289	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.03293	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	KNOXLEE 138KV	42	-0.00091	-0.03427	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	LEBROCK 345KV	315	-0.00092	-0.03426	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	MCCLAIN 138KV	470	-0.00253	-0.03265	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.03186	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.03446	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	MUSTANG 138KV	160	-0.0025	-0.03268	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	OEC 345KV	369	-0.00052	-0.03466	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	PIRKEY GENERATION 138KV	213	-0.00091	-0.03427	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	REDDUB 345KV	250	-0.00206	-0.03312	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.03281	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SEMINOLE 345KV	610	-0.00232	-0.03286	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.03269	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SOONER 138KV	636	-0.00168	-0.03311	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SOONER 345KV	537	-0.00183	-0.03335	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00468	-0.03005	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	SOUTHWESTERN STATION 345KV	86	-0.00468	-0.03005	5
MIDW	COLBY 115KV	14.12948	-0.03518	OKGE	SPGCK182 13.200 345KV	10	-0.00226	-0.03292	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	WELSH 345KV	1044	-0.00103	-0.03415	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	WILKES 138KV	46.38574	-0.00095	-0.03423	5
MIDW	COLBY 115KV	14.12948	-0.03518	AEPW	WILKES 345KV	57.1396	-0.00093	-0.03425	5
WEPL	HARPER 138KV	13.53	-0.03125	OKGE	AES 161KV	320	-0.00409	-0.03468	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	ASBURY 161KV	191	0.01119	-0.03267	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	CHANUTE 69KV	47.15	0.01119	-0.03244	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	CITY OF AUGUSTA 69KV	13.66	0.00227	-0.03152	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00223	-0.03348	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	CITY OF ERIE 69KV	2	0.01119	-0.03244	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.03042	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00223	-0.03348	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	COGENTRIX 345KV	865	-0.0007	-0.03055	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	EASTMAN 138KV	365	-0.00092	-0.03033	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.03272	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	ELLIS 69KV	6	-0.00043	-0.03082	5
WEPL	HARPER 138KV	13.53	-0.03125	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.03124	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	FITZLUUGH 161KV	5.999999	-0.00038	-0.03087	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	FLINT CREEK 161KV	400	0.00003	-0.03128	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	KNOXLEE 138KV	42	-0.00091	-0.03334	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	LARUSSEL 161KV	100	0.0009	-0.03215	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	LEBROCK 345KV	315	-0.00092	-0.03033	5
WEPL	HARPER 138KV	13.53	-0.03125	RACP	MARSHALL 161KV	15	0.00231	-0.03356	5
WEPL	HARPER 138KV	13.53	-0.03125	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.03186	5
WEPL	HARPER 138KV	13.53	-0.03125	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.03053	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.03098	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.03114	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	OEC 345KV	369	-0.00052	-0.03073	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	OZARK BEACH 161KV	6	0.00066	-0.03074	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	PIRKEY GENERATION 138KV	213	-0.00091	-0.03034	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	RIVERTON 161KV	35	0.00083	-0.03208	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.03205	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	SOUTH SENECA 115KV	1	0.00044	-0.03169	5
WEPL	HARPER 138KV	13.53	-0.03125	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.03207	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	WELSH 345KV	1044	-0.00103	-0.03022	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	WILKES 138KV	46.38574	-0.00095	-0.03003	5
WEPL	HARPER 138KV	13.53	-0.03125	AEPW	WILKES 345KV	57.1396	-0.00093	-0.03032	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	AES 161KV	320	-0.00409	-0.03468	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	ASBURY 161KV	191	0.01112	-0.03339	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	CHANUTE 69KV	47.15	0.01119	-0.03397	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	CITY OF AUGUSTA 69KV	13.66	0.00227	-0.03305	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	CITY OF ERIE 69KV	2	0.01119	-0.03397	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	CITY OF MULVANE 69KV	5.499	-0.00083	-0.03195	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	COGENTRIX 345KV	865	-0.0007	-0.03208	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	EASTMAN 138KV	365	-0.00092	-0.03196	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	ELK RIVER 345KV	79.94	0.00097	-0.03375	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	ELLIS 69KV	6	-0.00043	-0.03235	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	EVANS ENERGY CENTER 138KV	421.397	-0.00001	-0.03277	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	FITZLUUGH 161KV	5.999999	-0.00038	-0.0324	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	FLINT CREEK 161KV	400	0.00003	-0.03281	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	GILL ENERGY CENTER 138KV	155	-0.00277	-0.03001	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	HORSESHOE LAKE 138KV	93.87012	-0.00229	-0.03049	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	HORSESHOE LAKE 69KV	16	-0.00225	-0.03053	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	KNOXLEE 138KV	42	-0.00091	-0.03187	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	LARUSSEL 161KV	100	0.0009	-0.03268	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	LEBROCK 345KV	315	-0.00092	-0.03025	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	MCCLAIN 138KV	470	-0.00253	-0.03025	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	MUSKOGEE 161KV	138	-0.00061	-0.03217	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	MUSKOGEE 345KV	1548	-0.00072	-0.03206	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	MUSTANG 138KV	160	-0.0025	-0.03268	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	NORTHEASTERN STATION 138KV	310	-0.00027	-0.03251	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	NORTHEASTERN STATION 345KV	625	-0.00011	-0.03267	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	OEC 345KV	369	-0.00052	-0.03228	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	OZARK BEACH 161KV	6	0.00066	-0.03344	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	PIRKEY GENERATION 138KV	213	-0.00091	-0.03187	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	REDDUB 345KV	250	-0.00206	-0.03072	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	RIVERTON 161KV	35	0.00083	-0.03361	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	RIVERTON 69KV	44.89714	0.0008	-0.03358	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SEMINOLE 138KV	254.9608	-0.00237	-0.03041	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SEMINOLE 345KV	610	-0.00232	-0.03046	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SMITH COGEN 138KV	107	-0.00249	-0.03029	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SOONER 138KV	636	-0.00168	-0.03111	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SOONER 345KV	537	-0.00183	-0.03095	5
MIDW	KNOLL 115KV	75.924	-0.03278	WERE	SOUTH SENECA 115KV	4	0.00044	-0.03022	5
MIDW	KNOLL 115KV	75.924	-0.03278	OKGE	SPGCK182 13.200 345KV	10	-0.00226	-0.03052	5
MIDW	KNOLL 115KV	75.924	-0.03278	EMDE	STATE LINE 161KV	257.8721	0.00082	-0.03036	5
MIDW	KNOLL 115KV	75.924	-0.03278	AEPW	WELSH 345KV	1044	-0.00103	-0.03175	5
MIDW</									

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	ASBURY 161KV	191	-0.00011	-0.3685	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	CENTENIAL WIND 34KV	31	-0.0004	-0.36821	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	CHANAUTE 69KV	47.15	-0.00022	-0.36839	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.36783	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00027	-0.36834	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	CITY OF ERIE 69KV	2	-0.00022	-0.36839	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	CITY OF MULVANE 69KV	5.5	-0.00082	-0.36779	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	20.09	-0.00022	-0.36834	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	COGENTRIX 345KV	200	-0.00021	-0.3684	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIDW	COLBY 115KV	5.622141	0.00333	-0.37194	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	COMANCHE 138KV	145	-0.00037	-0.36824	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	COMANCHE 69KV	60	-0.00037	-0.36824	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	EASTMAN 138KV	355	-0.00013	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	ELK RIVER 345KV	149.9958	-0.00042	-0.36819	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	ELLIS 69KV	6	-0.00014	-0.36847	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	EVANS ENERGY CENTER 138KV	485	-0.0007	-0.36791	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	FITZHUGH 161KV	16	-0.00012	-0.36849	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	FLUNT CREEK 161KV	400	-0.00015	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	FPLWIND2 34KV	31	-0.0004	-0.36821	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	GILL ENERGY CENTER 138KV	155	-0.00114	-0.36747	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00102	-0.37773	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0004	-0.36547	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00267	-0.36594	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WEPL	HARPER 138KV	3.62	-0.00075	-0.36286	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	HAWTHORN 161KV	663.1245	0.00041	-0.36902	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	HOLTON 115KV	6	-0.00022	-0.36774	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	HORSESHOE LAKE 138KV	153	-0.00031	-0.3683	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	IATAN 345KV	396	0.00152	-0.37013	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00018	-0.36879	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	JEFFREY ENERGY CENTER 345KV	540	0.00912	-0.36879	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WEPL	JUDSON LARGE 115KV	54.54193	-0.00046	-0.36455	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	KNOXLEE 138KV	137.6416	-0.00013	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	LACYGNE UNIT 345KV	477	0.00005	-0.36866	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIPU	LAKE ROAD 161KV	35	0.00073	-0.36534	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIPU	LAKE ROAD 34KV	92	0.00073	-0.36534	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	LARUSSELL 161KV	100	-0.00009	-0.36852	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00218	-0.36643	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	LEBROCK 345KV	465	-0.00013	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	MARSHALL 161KV	15	0.00018	-0.36878	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	MCCLAIN 138KV	470	-0.00033	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	MONTROSE 161KV	354.71	0.00017	-0.36878	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	MUSKOGEE 161KV	91	-0.00019	-0.36842	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.36841	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	MUSTANG 138KV	126	-0.00033	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	NEARMAN 20KV	210.5	0.00043	-0.36904	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	NORTHEASTERN STATION 138KV	407	-0.0002	-0.36841	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.36841	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	ONEC 345KV	269	-0.0002	-0.36841	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.36854	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	QUINDARO 161KV	114.8522	0.00044	-0.36905	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	KACP	QUINDARO 69KV	60	0.00044	-0.36905	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	REDBUD 345KV	150	-0.00012	-0.36853	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	RIVERTON 161KV	35	-0.00012	-0.36849	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	RIVERTON 69KV	45.39851	-0.00012	-0.36849	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	SEMINOLE 138KV	146.4683	-0.0003	-0.36831	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	SEMINOLE 345KV	960	-0.0003	-0.36831	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIPU	SIBLEY 161KV	228.4992	0.0002	-0.36891	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36894	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36828	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	SMITH HILLS 34KV	152	0.08138	-0.44999	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	SOONER 69KV	536	-0.00037	-0.36824	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	OKGE	SOONER 345KV	537	-0.00036	-0.36825	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	MIPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.36865	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	SOUTH SENECA 115KV	4	-0.00028	-0.36433	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00037	-0.36824	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	SOUTHWESTERN STATION 138KV	287	-0.00037	-0.36824	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.36849	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00586	-0.36275	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	WEATHERFORD 34KV	12	-0.00042	-0.36819	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	WELSH 345KV	1036	-0.00014	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	WILKES 158KV	192	-0.00013	-0.36846	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	AEPW	WILKES 345KV	241.3065	-0.00013	-0.36848	3
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36861	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.06813	-0.30048	4
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.32649	3
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WEPL	A M MULLER/GENRATOR 115KV	25	-0.00751	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGE	AES 161KV	320	-0.00014	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	EMDE	ASBURY 161KV	191	-0.00011	-0.24509	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGE	CENTENIAL WIND 34KV	31	-0.0004	-0.2448	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	CHANAUTE 69KV	47.15	-0.00022	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.2442	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00027	-0.24493	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	CITY OF ERIE 69KV	2	-0.00022	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	CITY OF MULVANE 69KV	5.5	-0.00082	-0.24438	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	20.09	-0.00022	-0.24493	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	COGENTRIX 345KV	200	-0.00021	-0.24499	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	MIDW	COLBY 115KV	5.622141	0.00333	-0.24853	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	COMANCHE 138KV	145	-0.00037	-0.24483	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	COMANCHE 69KV	60	-0.00037	-0.24483	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	EASTMAN 138KV	355	-0.00013	-0.24507	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	EMDE	ELK RIVER 345KV	149.9958	-0.00042	-0.24478	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	ELLIS 69KV	6	-0.00014	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	EVANS ENERGY CENTER 138KV	485	-0.0007	-0.2445	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	FITZHUGH 161KV	16	-0.00012	-0.24508	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	FLUNT CREEK 161KV	400	-0.00015	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGE	FPLWIND2 34KV	31	-0.0004	-0.2448	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	GILL ENERGY CENTER 138KV	155	-0.00114	-0.24406	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00102	-0.24419	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.0004	-0.24116	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00267	-0.24253	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WEPL	HARPER 138KV	3.62	-0.00075	-0.23945	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	KACP	HAWTHORN 161KV	663.1245	0.00041	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	HOLTON 115KV	6	-0.00022	-0.24489	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGE	HORSESHOE LAKE 138KV	153	-0.00031	-0.24489	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	KACP	IATAN 345KV	396	0.00152	-0.24672	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00018	-0.24538	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	JEFFREY ENERGY CENTER 345KV	540	0.00912	-0.25432	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WEPL	JUDSON LARGE 115KV	54.54193	-0.00046	-0.24114	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	KNOXLEE 138KV	137.6416	-0.00013	-0.24507	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	KACP	LACYGNE UNIT 345KV	477	0.00005	-0.24525	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	MIPU	LAKE ROAD 161KV	35	0.00073	-0.24593	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	MIPU	LAKE ROAD 34KV	92	0.00073	-0.24593	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	EMDE	LARUSSELL 161KV	100	-0.00009	-0.24511	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00218	-0.24302	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPW	LEBROCK 345KV	465	-0.00013	-0.24507	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	KACP	MARSHALL 161KV	15	0.00018	-0.24538	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGE	MCCLAIN 138KV				

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

WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	OKGKE	SOONER 345KV	537	-0.00036	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	MIFPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.24524	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	SOUTH SENECA 115KV	4	-0.00428	-0.24062	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	SOUTHWESTERN STATION 138KV	116	-0.00037	-0.24483	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	SOUTHWESTERN STATION 138KV	267	-0.00037	-0.24483	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.24508	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00586	-0.23934	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	WEATHERFORD 34KV	12	-0.00042	-0.24478	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	WELSH 345KV	1044	-0.00014	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	WILKES 138KV	192	-0.00013	-0.24507	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	AEPWP	WILKES 345KV	241.3005	-0.00013	-0.24507	5
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.20048	6
WERE	ELLINWOOD 115KV	2.9	-0.10991	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.19129	6
MIDW	Yvons 115kv	999	-0.12254	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.20392	6
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.2452	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.06813	-0.17107	7
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.14951	8
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.14035	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIDW	COLBY 115KV	5.62241	0.00333	-0.12643	9
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00912	-0.13222	9
MIDW	Yvons 115kv	999	-0.12254	MIDW	COLBY 115KV	5.62241	0.00333	-0.12587	9
MIDW	Yvons 115kv	999	-0.12254	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00912	-0.13166	9
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36861	WERE	CLAY CENTER JUNCTION 115KV	6.00999	-0.2452	-0.12341	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	A. M. MULLERGEN GENERATOR 115KV	25	-0.00751	-0.11559	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	AES 161KV	320	-0.00014	-0.12296	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	ASBURY 161KV	191	-0.00011	-0.12299	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	CENTENIAL WIND 34KV	31	-0.0004	-0.12027	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	CHANUTE 69KV	47.15	-0.00022	-0.12288	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.12232	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00027	-0.12283	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	CITY OF MULVANE 69KV	5.5	-0.00082	-0.12228	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00027	-0.12583	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	COGENTRIX 345KV	200	-0.00021	-0.12289	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	COMANCHE 138KV	145	-0.00037	-0.12273	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	COMANCHE 69KV	60	-0.00037	-0.12273	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	EASTMAN 138KV	355	-0.00013	-0.12297	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	ELK RIVER 345KV	149.9958	-0.00042	-0.12268	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	ELLIS 69KV	6	-0.00014	-0.12296	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	EVANS ENERGY CENTER 138KV	485	-0.0007	-0.12244	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	FITZLUUGH 161KV	16	-0.00012	-0.12298	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	FLINT CREEK 161KV	400	-0.00015	-0.12295	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	FPLWIND2 34KV	31	-0.0004	-0.1227	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	GILL ENERGY CENTER 138KV	155	-0.00114	-0.12196	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00102	-0.12208	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	GRAY COUNTY WIND FARM 115KV	70	-0.00404	-0.11986	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00267	-0.12043	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	HARPER 138KV	3.62	-0.00575	-0.11735	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	HAWTHORN 161KV	663.1245	0.00041	-0.12351	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	HOLTON 115KV	6	-0.00082	-0.12267	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	HORSESHOE LAKE 138KV	153	-0.00031	-0.12279	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	IATAN 345KV	396	0.00152	-0.12462	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00018	-0.12328	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	JUDSON LARGE 115KV	54.54193	-0.00406	-0.11904	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	KNOXLEE 138KV	137.6416	-0.00013	-0.12297	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	LACYONE UNIT 345KV	477	0.00005	-0.12315	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIFPU	LAKE ROAD 161KV	35	0.00073	-0.12383	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIFPU	LAKE ROAD 34KV	92	0.00073	-0.12383	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	LARUSSEL 161KV	100	-0.00009	-0.12301	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00213	-0.12030	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	LEBROCK 345KV	465	-0.00013	-0.12297	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	MARSHALL 161KV	15	0.00018	-0.12328	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	MCCLAIN 138KV	470	-0.00033	-0.12277	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	MONTROSE 161KV	354.71	0.00017	-0.12327	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	MUSKOGEE 161KV	91	-0.00019	-0.12291	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	MUSKOGEE 345KV	1548	-0.0002	-0.1229	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	MUSTANG 138KV	126	-0.00033	-0.12221	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACY	NEARMAN 20KV	210.5	0.00043	-0.12297	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	NORTHEASTERN STATION 138KV	407	-0.0002	-0.12234	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	NORTHEASTERN STATION 345KV	625	-0.0002	-0.1229	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	DEC 345KV	269	-0.0002	-0.1229	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.12303	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACP	PARKEY GENERATOR 138KV	219	-0.00013	-0.12357	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACY	QUINDARO 161KV	114.8522	0.00044	-0.12354	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	KACY	QUINDARO 69KV	60	0.00044	-0.12354	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	REDBUD 345KV	150	-0.00031	-0.12279	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	RIVERTON 161KV	35	-0.00012	-0.12298	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	RIVERTON 69KV	45.39852	-0.00012	-0.12298	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	SEMINOLE 138KV	146.4683	-0.0003	-0.1228	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	SEMINOLE 345KV	360	-0.0003	-0.1228	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIFPU	SIBLEY 161KV	228.4982	0.0003	-0.1234	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIFPU	SIBLEY 69KV	45.99909	0.00032	-0.12314	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	SMITH COGEN 138KV	107	-0.00033	-0.12277	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	SOONER 138KV	535	-0.00037	-0.12273	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	OKGKE	SOONER 345KV	537	-0.00036	-0.12274	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	MIFPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.12314	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	SOUTH SENECA 115KV	4	-0.00428	-0.11986	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	SOUTHWESTERN STATION 138KV	116	-0.00037	-0.12273	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	SOUTHWESTERN STATION 138KV	267	-0.00037	-0.12273	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.12298	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00586	-0.11724	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	WEATHERFORD 34KV	12	-0.00042	-0.12268	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	WELSH 345KV	1044	-0.00014	-0.12296	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	WILKES 138KV	192	-0.00013	-0.12297	10
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.1231	AEPWP	WILKES 345KV	241.3005	-0.00013	-0.12297	10
MIDW	Yvons 115kv	999	-0.12254	WERE	A. M. MULLERGEN GENERATOR 115KV	25	-0.00751	-0.11559	10
MIDW	Yvons 115kv	999	-0.12254	OKGKE	AES 161KV	320	-0.00014	-0.1224	10
MIDW	Yvons 115kv	999	-0.12254	EMDE	ASBURY 161KV	191	-0.00011	-0.12243	10
MIDW	Yvons 115kv	999	-0.12254	OKGKE	CENTENIAL WIND 34KV	31	-0.0004	-0.12214	10
MIDW	Yvons 115kv	999	-0.12254	WERE	CHANUTE 69KV	47.15	-0.00022	-0.12288	10
MIDW	Yvons 115kv	999	-0.12254	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.12176	10
MIDW	Yvons 115kv	999	-0.12254	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00027	-0.12227	10
MIDW	Yvons 115kv	999	-0.12254	WERE	CITY OF MULVANE 69KV	5.5	-0.00082	-0.12172	10
MIDW	Yvons 115kv	999	-0.12254	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00027	-0.12272	10
MIDW	Yvons 115kv	999	-0.12254	AEP					

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

MIDW	Yvons 115kv	999	-0.12254	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.12234	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	OEC 345KV	269	-0.0002	-0.12234	10
MIDW	Yvons 115kv	999	-0.12254	EMDE	OZARK BEACH 161KV	16	-0.0007	-0.12247	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.12241	10
MIDW	Yvons 115kv	999	-0.12254	KACY	QUINDARO 161KV	114.8522	0.00044	-0.12298	10
MIDW	Yvons 115kv	999	-0.12254	KACY	QUINDARO 69KV	60	0.00044	-0.12298	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	REDBUD 345KV	150	-0.00031	-0.12223	10
MIDW	Yvons 115kv	999	-0.12254	EMDE	RIVERTON 161KV	36	-0.00012	-0.12242	10
MIDW	Yvons 115kv	999	-0.12254	EMDE	RIVERTON 69KV	45.99851	-0.00012	-0.12242	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	SEMINOLE 138KV	146.4683	-0.0003	-0.12224	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	SEMINOLE 345KV	960	-0.0003	-0.12224	10
MIDW	Yvons 115kv	999	-0.12254	MIPU	SIBLEY 69KV	226.4983	0.0003	-0.12287	10
MIDW	Yvons 115kv	999	-0.12254	MIPU	SIBLEY 161KV	45.99999	0.00033	-0.12287	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12221	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	SOONER 138KV	535	-0.00037	-0.12217	10
MIDW	Yvons 115kv	999	-0.12254	OKGE	SOONER 345KV	537	-0.00036	-0.12218	10
MIDW	Yvons 115kv	999	-0.12254	MIPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.12258	10
MIDW	Yvons 115kv	999	-0.12254	WERE	SOUTH SENECA 115KV	4	-0.00428	-0.11826	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00037	-0.12217	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	SOUTHWESTERN STATION 345KV	267	-0.00037	-0.12217	10
MIDW	Yvons 115kv	999	-0.12254	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.12242	10
MIDW	Yvons 115kv	999	-0.12254	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00566	-0.11668	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	WEATHERFORD 34KV	12	-0.00042	-0.12212	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	WELSH 345KV	1044	-0.00014	-0.1224	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	WILKES 138KV	152	-0.00013	-0.12241	10
MIDW	Yvons 115kv	999	-0.12254	AEPW	WILKES 345KV	241.3059	0.00004	-0.12241	10
MIDW	pawnee 115kv	999	-0.02296	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.10434	11
WEPL	A. M. MULLERGREEN GENERATOR 115KV	38	-0.00751	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08889	13
WEPL	CLIFTON 115KV	70	-0.0129	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.09428	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00841	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08779	13
WERE	CIMARRON RIVER 115KV	72	-0.00236	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08374	14
WERE	CITY OF AUGUSTA 69KV	24.89	-0.00078	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08216	14
WERE	CITY OF MULVANE 69KV	10.29	-0.00082	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0822	14
WERE	CITY OF WINFIELD 69KV	40	-0.00066	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08204	14
AEPW	COMANCHE 138KV	151	-0.00037	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08175	14
WERE	EVANS ENERGY CENTER 138KV	188	-0.0007	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08208	14
WERE	GETTY 69KV	35	-0.00085	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08223	14
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00114	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08252	14
WERE	GILL ENERGY CENTER 69KV	13.77658	-0.00102	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08264	14
WEPL	HARPER 138KV	13.59	-0.00575	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08713	14
WERE	HOLTON 115KV	13.8	-0.00087	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08225	14
WEPL	JUDSON LARGE 115KV	48.45807	-0.00406	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08544	14
WERE	LAWRENCE ENERGY CENTER 230KV	36.24759	-0.00218	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08396	14
OKGE	SOONER 138KV	5	-0.00037	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08175	14
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00038	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08176	14
WERE	SOUTH SENECA 115KV	12.7	-0.00428	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08566	14
AEPW	SOUTHWESTERN STATION 138KV	322	-0.00037	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08175	14
AEPW	SOUTHWESTERN STATION 345KV	798	-0.00037	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08175	14
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00586	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08724	14
WERE	WACO 138KV	30	-0.00109	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08247	14
MIPU	JARIES 161KV	595	0.00012	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08126	15
AEPW	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0815	15
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08149	15
KACP	BULL CREEK 161KV	413	0.00056	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08082	15
WERE	CHANUTE 69KV	33.45	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0816	15
WERE	CITY OF BURLINGTON 69KV	58.42	-0.00027	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08165	15
WERE	CITY OF ERIE 69KV	24.53	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0816	15
WERE	CITY OF FREEDONIA 69KV	10.294	-0.00027	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08165	15
WERE	CITY OF GIRARD 69KV	10.7	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08152	15
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00021	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08117	15
WERE	CITY OF IOLA 69KV	42.878	-0.00018	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08156	15
WERE	CITY OF NEODESHA 69KV	6.738	-0.00026	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08164	15
WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	25	-0.00027	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08165	15
AEPW	COGENTRIX 345KV	694	-0.00021	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08159	15
MIDW	COLBY 115KV	19.37786	0.00333	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08705	15
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08151	15
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08152	15
AEPW	FITZHUGH 161KV	125	-0.00012	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0815	15
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08153	15
AEPW	FULTON 115KV	153	-0.00011	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08149	15
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08084	15
MIPU	GREENWOOD 161KV	255.8	0.00013	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08125	15
KACP	HAWTHORN 161KV	137.8755	0.00041	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08097	15
OKGE	HORSESHOE LAKE 138KV	707	-0.00031	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08169	15
OKGE	HORSESHOE LAKE 69KV	16	-0.00031	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08169	15
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00912	-0.07725	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00912	-0.07709	15
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00018	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0812	15
KACY	KAW 69KV	242	0.00044	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08094	15
AEPW	KIOWA 345KV	1348	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08164	15
AEPW	KNOXLEE 138KV	285.3584	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08151	15
KACP	LACYONE UNIT 345KV	736	0.00005	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08133	15
MIPU	LAKE ROAD 161KV	91	0.00073	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08065	15
EMDE	LARUSSEL 161KV	196	-0.00009	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08147	15
AEPW	LEBRACK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08151	15
AEPW	LIEBERMAN 138KV	272	-0.00012	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0815	15
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08152	15
KACP	MARSHALL 161KV	39.1	0.00018	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.0812	15
OKGE	MCCLAIN 138KV	50	-0.00033	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08171	15
OKGE	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08156	15
KACP	MONTROSE 161KV	26.28998	0.00017	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08121	15
OKGE	MUSKOGEE 161KV	75	-0.00019	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08157	15
OKGE	MUSKOGEE 345KV	177	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08158	15
OKGE	MUSTANG 138KV	239.5	-0.00033	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08171	15
OKGE	MUSTANG 69KV	106	-0.00033	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08171	15
AEPW	NARROWS 69KV	30	-0.00016	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08154	15
KACY	NEARMAN 161KV	80	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08095	15
MIPU	NEARMAN 20KV	24.48998	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08095	15
MIPU	NEVADA 69KV	20.3	0.00007	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08131	15
AEPW	NORTH MARSHALL 69KV	5	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08151	15
KACP	NORTHEAST 13KV	277	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08095	15
KACP	NORTHEAST 161KV	277	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08095	15
AEPW	NORTHEASTERN STATION 138KV	101	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08158	15
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08158	15
AEPW	OEC 345KV	1878.03	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08138	-0.08158	

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

WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	COMANCHE 69KV	60	-0.00037	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	EASTMAN 138KV	355	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	ELLIS 69KV	6	-0.00014	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	FITZGUGH 161KV	16	-0.00012	-0.06801	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06798	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	FPLWIND2 34KV	31	-0.0004	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACP	HAWTHORN 161KV	663.1245	0.00041	-0.06683	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	HORSESHOE LAKE 138KV	153	-0.00031	-0.06782	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACP	IATAN 345KV	396	0.00152	-0.06965	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00018	-0.06831	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	KNOXLEE 138KV	137.6416	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACP	LACYGNE UNIT 345KV	477	0.00005	-0.06673	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	MIFPU	LAKE ROAD 161KV	35	0.00073	-0.06886	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	MIFPU	LAKE ROAD 34KV	92	0.00073	-0.06886	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	LARUSSEL 161KV	100	-0.00009	-0.06804	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	LEBROCK 345KV	465	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACP	MARSHALL 161KV	15	0.00018	-0.06831	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	MCCLAIN 138KV	470	-0.00033	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACP	MONTROSE 161KV	354.71	0.00017	-0.0683	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	MUSKOGEE 161KV	91	-0.00019	-0.06794	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06793	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	MUSTANG 138KV	126	-0.00033	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACY	NEARMAN 20KV	210.5	0.00043	-0.06856	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	NORTHEASTERN STATION 138KV	407	-0.0002	-0.06793	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.06793	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	OEC 345KV	269	-0.0003	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06806	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACY	QUINDARO 161KV	114.8522	0.00044	-0.06857	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	KACY	QUINDARO 69KV	60	0.00044	-0.06857	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	REDBUD 345KV	150	-0.00031	-0.06782	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	RIVERTON 161KV	35	-0.00012	-0.06801	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	RIVERTON 69KV	45.39851	-0.00012	-0.06801	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	SEMINOLE 138KV	146.4683	-0.0003	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	SEMINOLE 345KV	360	-0.0003	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	MIFPU	SIBLEY 161KV	228.4982	0.0003	-0.06843	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	MIFPU	SIBLEY 69KV	45.99999	0.00033	-0.06846	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	SOONER 138KV	535	-0.00037	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	OKGE	SOONER 345KV	537	-0.00036	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	MIFPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.06817	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00037	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	SOUTHWESTERN STATION 345KV	1067	-0.00037	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.06785	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	WELSH 345KV	1044	-0.00014	-0.06799	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	WILKES 138KV	192	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	WILKES 345KV	241.3065	-0.00013	-0.0668	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	AES 161KV	320	-0.00037	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	ASBURY 161KV	91	-0.00011	-0.06786	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	CHANUTE 69KV	47.15	-0.00022	-0.06775	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	COGENTRIX 345KV	200	-0.00021	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	EASTMAN 138KV	355	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	ELLIS 69KV	6	-0.00014	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	FITZGUGH 161KV	16	-0.00012	-0.06785	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06782	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	HAWTHORN 161KV	663.1245	0.00041	-0.06638	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	IATAN 345KV	396	0.00152	-0.06949	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00018	-0.06831	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	KNOXLEE 138KV	137.6416	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	LACYGNE UNIT 345KV	477	0.00005	-0.06802	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	MIFPU	LAKE ROAD 161KV	35	0.00073	-0.06874	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	MIFPU	LAKE ROAD 34KV	92	0.00073	-0.06874	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	LARUSSEL 161KV	100	-0.00009	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	LEBROCK 345KV	465	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	MARSHALL 161KV	15	0.00018	-0.06815	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	MONTROSE 161KV	354.71	0.00017	-0.06814	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	MUSKOGEE 161KV	91	-0.00019	-0.06794	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACY	NEARMAN 20KV	210.5	0.00043	-0.0684	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	NORTHEASTERN STATION 138KV	407	-0.0002	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	OEC 345KV	269	-0.0003	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.0679	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACY	QUINDARO 161KV	114.8522	0.00044	-0.06841	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACY	QUINDARO 69KV	60	0.00044	-0.06841	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	RIVERTON 161KV	35	-0.00012	-0.06785	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	RIVERTON 69KV	45.39851	-0.00012	-0.06785	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	MIFPU	SIBLEY 161KV	228.4982	0.0003	-0.06827	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	MIFPU	SIBLEY 69KV	45.99999	0.00033	-0.06827	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	MIFPU	SOUTH HARPER 161KV	264.9471	0.00004	-0.06801	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	STATE LINE 161KV	165.7648	-0.00012	-0.06785	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	WELSH 345KV	1044	-0.00014	-0.06783	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	WILKES 138KV	192	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	WILKES 345KV	241.3065	-0.00013	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.06735	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	EMDE	ELK RIVER 345KV	149.9958	-0.00042	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	EVANS ENERGY CENTER 138KV	485	-0.0007	-0.06743	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	GILL ENERGY CENTER 69KV	155	-0.00114	-0.06699	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	GILL ENERGY CENTER 69KV	69.2244	-0.00102	-0.06711	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	0.00267	-0.06533	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	HOLTON 115KV	6	-0.00087	-0.06726	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	JUDSON LARGE 115KV	54.54193	-0.00486	-0.06407	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00218	-0.06595	18
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.06813	AEPW	WEATHERFORD 34KV	12	-0.00042	-0.06771	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	CENTRAL WIND 34KV	31	-0.0004	-0.06757	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00078	-0.06719	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	CITY OF BURLINGTON 69KV	10020.08	-0.00027	-0.0677	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	-0.00027	-0.0677	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	COMANCHE 138KV	145	-0.00037	-0.0676	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	AEPW	COMANCHE 69KV	60	-0.00037	-0.0676	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	EMDE	ELK RIVER 345KV	149.9958	-0.00042	-0.06755	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	EVANS ENERGY CENTER 138KV	485	-0.0007	-0.06727	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	FPLWIND2 34KV	31	-0.0004	-0.06757	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	GILL ENERGY CENTER 138KV	155	-0.00114	-0.06683	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	GILL ENERGY CENTER 69KV	69.2244	-0.00102	-0.06699	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	0.00267	-0.06533	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	HOLTON 115KV	6	-0.00087	-0.0671	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	HORSESHOE LAKE 138KV	153	-0.00031	-0.06766	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00218	-0.06579	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	MCCLAIN 138KV	470	-0.00033	-0.06764	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	MUSTANG 138KV	126	-0.00033	-0.06764	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	REDBUD 345KV	150	-0.00031	-0.06766	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	SEMINOLE 138KV	146.4683	-0.0003	-0.06767	18
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06797	OKGE	SEMINOLE 345KV	360	-0.0		

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

Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007AG1AFS411411208G
 Date Redispatch Needed: Starting 2008 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077	1.3	1.3	WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.36908	3
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.44080	3
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01814	-0.3401	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	AES 161KV	320	-0.00019	-0.35805	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	ASBURY 161KV	191	0.00003	-0.35827	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	CENTENIAL WIND 34KV	31	-0.0009	-0.35734	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CHANUTE 69KV	47.15	-0.00007	-0.35817	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.35752	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.35825	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CITY OF ERIE 69KV	2	-0.00007	-0.35811	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CITY OF MULVANE 69KV	5.5	-0.00091	-0.35733	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.35825	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	COGENTRIX 345KV	200	-0.00029	-0.35795	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIDW	COLBY 115KV	5.622141	-0.0012	-0.35704	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	COMANCHE 138KV	145	-0.00094	-0.3573	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	COMANCHE 69KV	60	-0.00093	-0.35731	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	EASTMAN 138KV	355	-0.00024	-0.358	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	ELK RIVER 345KV	149.9958	-0.0003	-0.35794	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	ELLIS 69KV	6	-0.00019	-0.35805	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.35756	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	FITZLUUGH 161KV	16	-0.00016	-0.35808	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.35811	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	FPLWIND 34KV	31	-0.00091	-0.35733	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	GILL ENERGY CENTER 138KV	155	-0.00145	-0.35679	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	GILL ENERGY CENTER 69KV	69.22444	-0.00125	-0.35699	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WEPL	GRAY COUNTY WIND FARM 115KV	770	-0.01094	-0.34743	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.000P	-0.00971	-0.34853	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WEPL	HARPER 138KV	3.62	-0.00048	-0.34876	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	HAWTHORN 161KV	663.1245	0.00091	-0.35915	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	HOLTON 115KV	6	0.00011	-0.35834	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	HORSESHOE LAKE 138KV	153	-0.00058	-0.35766	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	IATAN 345KV	396	0.00219	-0.35043	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0019	-0.36014	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WEPL	JUDSON LARGE 115KV	54.54193	-0.01096	-0.34728	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	KNOXLEE 138KV	137.6416	-0.00024	-0.358	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	LACYONE UNIT 345KV	477	0.00052	-0.35791	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	LAKE ROAD 161KV	35	0.00112	-0.35935	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	LAKE ROAD 34KV	92	0.00112	-0.35936	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	LARUSSEL 161KV	100	0.00002	-0.35826	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00113	-0.35711	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	LEBRUCK 345KV	465	-0.00026	-0.35784	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	MARSHALL 161KV	15	0.00046	-0.3587	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	MCCLAIN 138KV	470	-0.00062	-0.35762	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	MONTROSE 161KV	354.71	0.00061	-0.35885	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	MUSKOGEE 161KV	91	-0.00025	-0.35799	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	MUSKOGEE 345KV	1548	-0.00029	-0.35786	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	MUSTANG 138KV	126	-0.00062	-0.35762	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACY	NEARMAN 20KV	210.5	0.001	-0.35924	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	NORTHEASTERN STATION 138KV	407	-0.00023	-0.35801	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACP	NORTHEASTERN STATION 345KV	625	-0.0002	-0.35784	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	OEC 345KV	269	-0.00026	-0.35798	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	OZARK BEACH 161KV	16	0.00001	-0.35825	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.358	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACY	QUINDARO 161KV	114.8522	0.001	-0.35924	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	KACY	QUINDARO 69KV	60	0.001	-0.35824	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	REDBUD 345KV	150	-0.00055	-0.35769	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	RIVERTON 161KV	35	-0.00002	-0.35822	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	RIVERTON 69KV	45.36851	-0.00002	-0.35822	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	SEMINOLE 138KV	146.4064	-0.00058	-0.35796	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	SEMINOLE 345KV	960	-0.00058	-0.35766	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	SIBLEY 161KV	228.4982	0.00077	-0.35901	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.35905	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35762	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	SOONER 138KV	636	-0.00058	-0.35768	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	OKGE	SOONER 345KV	537	-0.00058	-0.35766	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	SOUTH HARPER 161KV	264.9471	0.00059	-0.35883	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	MIPU	SOUTH SENECA 115KV	4	-0.00085	-0.35439	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	SOUTHWESTERN STATION 138KV	170	-0.00093	-0.35731	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.35731	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	EMDE	STATE LINE 161KV	165.7648	-0.00001	-0.35823	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00465	-0.35359	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.35709	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	WELSH 345KV	1004	-0.00026	-0.35768	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	WILKES 138KV	192	-0.00025	-0.35799	4
			WERE	ABLILENE ENERGY CENTER 115KV	66	-0.35824	AEPW	WILKES 345KV	241.3065	-0.00024	-0.358	4
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.32043	4
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.06009	-0.26315	5
			WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.24569	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	AES 161KV	320	-0.00019	-0.23759	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	EMDE	ASBURY 161KV	191	0.00003	-0.23781	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	CENTENIAL WIND 34KV	31	-0.0009	-0.23688	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	CHANUTE 69KV	47.15	-0.00007	-0.23771	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.23706	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.23779	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	CITY OF ERIE 69KV	2	-0.00007	-0.23771	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	CITY OF MULVANE 69KV	5.5	-0.00091	-0.23687	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.23778	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	COGENTRIX 345KV	200	-0.00029	-0.23749	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	MIDW	COLBY 115KV	5.622141	-0.0012	-0.23658	5
			WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	COMANCHE 138KV	145	-0.00094	-0.23658	5
			WERE	CLAY CENTER JUNCTION 115KV								

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

WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	KACY	QUINDARO 69KV	60	0.0001	-0.23878	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	REDBUD 345KV	150	-0.00055	-0.23723	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	EMDE	RIVERTON 161KV	35	-0.0002	-0.23778	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	EMDE	RIVERTON 69KV	45.99851	-0.00002	-0.23776	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	SEMINOLE 138KV	146.4683	-0.00058	-0.2372	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	SEMINOLE 345KV	360	-0.00058	-0.2372	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	MIFU	SIBLEY 161KV	228.4982	0.00077	-0.23855	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	MIFU	SIBLEY 69KV	45.99999	0.00081	-0.23855	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.23716	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	SOONER 138KV	535	-0.00056	-0.23722	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	OKGE	SOONER 345KV	537	-0.00058	-0.2372	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	MIFU	SOUTH HARPER 161KV	264.9471	0.00059	-0.23827	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	SOUTH SENECA 115KV	4	-0.00385	-0.23383	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00093	-0.23685	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.23685	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	EMDE	STATE LINE 161KV	165.7648	-0.00001	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00465	-0.23313	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.23663	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	WELSH 345KV	1044	-0.00026	-0.23752	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	WILKES 138KV	192	-0.00025	-0.23753	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	AEPW	WILKES 345KV	241.3085	-0.00024	-0.23754	5
MIDW	Ylons 115kv	999	-0.16169	WERE	SMOKIN HILLS 34KV	152	0.08265	-0.24434	5
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WEPL	A. M. MULLERGEN GENERATOR 115KV	25	-0.01814	-0.21964	6
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01994	-0.22684	6
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00971	-0.22807	6
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	KACP	HARPER 138KV	3.62	-0.00948	-0.22263	6
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WEPL	JUDSON LARGE 115KV	54.54193	-0.01096	-0.22682	6
WERE	ELLINWOOD 115KV	2.9	-0.14624	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.22889	6
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.17388	7
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.17774	7
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.17753	7
MIDW	Ylons 115kv	999	-0.16169	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.17253	7
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	AES 161KV	320	-0.00019	-0.16285	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	ASBURY 161KV	191	0.00003	-0.16307	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	CENTENIAL WIND 34KV	31	-0.0009	-0.16214	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	CHARLUTE 69KV	47.15	-0.00007	-0.16297	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.16232	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.16305	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	CITY OF MULVANE 69KV	5.5	-0.00091	-0.16213	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.16305	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16275	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIDW	COLBY 115KV	5.622141	-0.0012	-0.16184	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	COMANCHE 138KV	145	-0.00094	-0.16241	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	COMANCHE 69KV	60	-0.00093	-0.16211	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	EASTMAN 138KV	355	-0.00024	-0.1628	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	ELK RIVER 345KV	149.9958	-0.0003	-0.16274	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	ELLIS 69KV	6	-0.00019	-0.16285	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.16101	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	FITZLUIGH 161KV	116	-0.00016	-0.16288	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.1629	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	FPLWIND2 34KV	31	-0.00091	-0.16213	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	GILL ENERGY CENTER 138KV	155	-0.00145	-0.16159	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00125	-0.16247	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01994	-0.1521	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00971	-0.15333	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WEPL	HARPER 138KV	3.62	-0.00948	-0.15356	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	HAWTHORN 161KV	663.2454	0.00091	-0.16395	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	HOLTON 115KV	6	0.00001	-0.16176	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	HORSESHOE LAKE 138KV	153	-0.00058	-0.16246	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	IATAN 345KV	396	0.00219	-0.16523	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0019	-0.16494	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WEPL	JUDSON LARGE 115KV	54.54193	-0.01096	-0.16208	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	KNOXLEE 138KV	137.6416	-0.00024	-0.1628	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	LACYGNE UNIT 345KV	477	0.00052	-0.16356	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIFU	LAKE ROAD 161KV	35	0.00112	-0.16416	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIFU	LAKE ROAD 34KV	92	0.00112	-0.16416	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	LARSEL 161KV	10	-0.00048	-0.16244	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00113	-0.16191	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	LEBROCK 345KV	465	-0.00024	-0.16288	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	MARSHALL 161KV	115	0.00046	-0.16355	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	MCCLAIN 138KV	470	-0.00064	-0.16342	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	MONTROSE 161KV	354.71	0.00066	-0.16385	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	MUSKOGEE 161KV	91	-0.00025	-0.16279	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16276	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	MUSTANG 138KV	126	-0.00062	-0.16242	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACP	NEARMAN 23KV	210.7	-0.001	-0.16404	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	NORTHEASTERN STATION 138KV	407	-0.00023	-0.16281	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16284	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	OEC 345KV	269	-0.00026	-0.16278	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	OZARK BEACH 161KV	155	-0.00062	-0.16305	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.1628	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACY	QUINDARO 161KV	114.8522	0.001	-0.16404	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	KACY	QUINDARO 69KV	60	0.0001	-0.16404	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	REDBUD 345KV	150	-0.00055	-0.16249	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	RIVERTON 161KV	35	-0.00002	-0.16302	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	RIVERTON 69KV	45.99851	-0.00002	-0.16302	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	SEMINOLE 138KV	146.4683	-0.00058	-0.16246	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	SEMINOLE 345KV	360	-0.00058	-0.16246	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIFU	SIBLEY 161KV	228.4982	0.00077	-0.16381	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIFU	SIBLEY 69KV	45.99999	0.00081	-0.16385	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16242	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	SOONER 138KV	535	-0.00056	-0.16248	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	OKGE	SOONER 345KV	537	-0.00058	-0.16246	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	MIFU	SOUTH HARPER 161KV	264.9471	0.00059	-0.16363	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	SOUTH SENECA 115KV	4	-0.00385	-0.15919	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00093	-0.16211	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.16211	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	EMDE	STATE LINE 161KV	165.7648	-0.00001	-0.15839	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00465	-0.15839	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.16189	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	WELSH 345KV	1044	-0.00026	-0.16278	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16304	AEPW	WILKES 13				

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

MIDW	Yorns 115kV	999	-0.16169	EMDE	LARUSSEL 161KV	100	0.00002	-0.16171	8
MIDW	Yorns 115kV	999	-0.16169	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00113	-0.16056	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	LEBROCK 345KV	465	-0.00024	-0.16145	8
MIDW	Yorns 115kV	999	-0.16169	KACP	MARSHALL 161KV	15	0.00046	-0.16215	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16107	8
MIDW	Yorns 115kV	999	-0.16169	KACP	MONTROSE 161KV	354.71	0.00061	-0.1623	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	MUSKOGEE 161KV	91	-0.00025	-0.16144	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16141	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	MUSTANG 138KV	126	-0.00062	-0.16107	8
MIDW	Yorns 115kV	999	-0.16169	KACY	NEARMAN 20KV	210.5	0.001	-0.16269	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	NORTHEASTERN STATION 138KV	407	-0.00023	-0.16146	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16145	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	OEC 345KV	269	-0.00026	-0.16143	8
MIDW	Yorns 115kV	999	-0.16169	EMDE	OZARK BEACH 161KV	16	0.00001	-0.1617	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	PIRKER GENERATION 138KV	213	-0.00024	-0.16145	8
MIDW	Yorns 115kV	999	-0.16169	KACY	QUINDARO 161KV	114.8522	0.001	-0.16269	8
MIDW	Yorns 115kV	999	-0.16169	KACY	QUINDARO 69KV	60	0.001	-0.16269	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	REDBUD 345KV	150	-0.00055	-0.16114	8
MIDW	Yorns 115kV	999	-0.16169	EMDE	RIVERTON 161KV	35	-0.00002	-0.16167	8
MIDW	Yorns 115kV	999	-0.16169	EMDE	RIVERTON 69KV	45.39851	-0.00002	-0.16167	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	SEMINOLE 138KV	146.4683	-0.00058	-0.16111	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	SEMINOLE 345KV	960	-0.00058	-0.16111	8
MIDW	Yorns 115kV	999	-0.16169	MIPU	SIBLEY 161KV	228.4982	0.00077	-0.16246	8
MIDW	Yorns 115kV	999	-0.16169	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.1625	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16107	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	SOONER 138KV	535	-0.00056	-0.16153	8
MIDW	Yorns 115kV	999	-0.16169	OKGE	SOONER 345KV	537	-0.00058	-0.16111	8
MIDW	Yorns 115kV	999	-0.16169	MIPU	SOUTH HARPER 161KV	264.9471	0.00059	-0.16228	8
MIDW	Yorns 115kV	999	-0.16169	WERE	SOUTH SENECA 115KV	4	-0.00385	-0.15784	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	SOUTHWESTERN STATION 138KV	11	-0.00093	-0.16076	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.16076	8
MIDW	Yorns 115kV	999	-0.16169	EMDE	STATE LINE 161KV	165.7648	-0.00001	-0.16168	8
MIDW	Yorns 115kV	999	-0.16169	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00465	-0.15704	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.16054	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	WELSH 345KV	1044	-0.00026	-0.16143	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	WILKES 138KV	192	-0.00025	-0.16144	8
MIDW	Yorns 115kV	999	-0.16169	AEPW	WILKES 345KV	241.3065	-0.00024	-0.16145	8
WERE	BPUI - CITY OF MCPHERSON 115KV	232	-0.16304	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01814	-0.1449	9
WERE	CLAY CENTER JUNCTION 115KV	22.69	-0.23778	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.05809	-0.14269	9
MIDW	Yorns 115kV	999	-0.16169	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01814	-0.14355	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35824	WERE	CLAY CENTER JUNCTION 115KV	6.009999	-0.23778	-0.12046	11
MIDW	Yorns 115kV	999	-0.03666	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.11931	11
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.10593	11
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.10593	11
WEPL	A. M. MULLERGEREN GENERATOR 115KV	38	-0.01814	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.10079	13
WEPL	CLIFTON 115KV	70	-0.01309	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.09574	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	AES 161KV	320	-0.00019	-0.0949	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	ASBURY 161KV	191	0.00003	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	CHAMUTE 69KV	47.15	-0.00007	-0.09502	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.0951	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.0951	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	COGENTRIX 345KV	200	-0.00029	-0.09498	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	EASTMAN 138KV	355	-0.00024	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	ELK RIVER 345KV	149.9958	-0.0003	-0.09479	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	ELLIS 69KV	6	-0.00019	-0.0949	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.09441	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	FITZHUGH 161KV	16	-0.00016	-0.09493	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.09474	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	HAWTHORN 161KV	663.1245	0.00091	-0.096	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	HOLTON 115KV	6	0.0001	-0.09519	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	HORSESHOE LAKE 138KV	153	-0.00058	-0.09451	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	IATAN 345KV	396	0.00219	-0.09728	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0019	-0.09699	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	KNOXLEE 138KV	137.6416	-0.00024	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	LACYGNE UNIT 345KV	477	0.00052	-0.09561	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIPU	LAKE ROAD 161KV	35	0.00112	-0.09621	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIPU	LAKE ROAD 34KV	92	0.00112	-0.09621	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	LARUSSEL 161KV	100	0.00002	-0.09511	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	LEBROCK 345KV	465	-0.00024	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	MARSHALL 161KV	15	0.00046	-0.09555	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	MCCLAIN 138KV	470	-0.00062	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	MONTROSE 161KV	354.71	0.00061	-0.0957	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	MUSKOGEE 161KV	91	-0.00025	-0.09484	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	MUSTANG 138KV	126	-0.00062	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACY	NEARMAN 20KV	210.5	0.001	-0.09569	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	NORTHEASTERN STATION 138KV	407	-0.00023	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09489	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	OEC 345KV	269	-0.00026	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	OZARK BEACH 161KV	16	0.00001	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	PIRKER GENERATION 138KV	213	-0.00024	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACY	QUINDARO 161KV	114.8522	0.001	-0.09609	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACY	QUINDARO 69KV	60	0.001	-0.09609	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	REDBUD 345KV	150	-0.00055	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	RIVERTON 161KV	35	-0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	EMDE	RIVERTON 69KV	45.39851	-0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	SEMINOLE 138KV	146.4683	-0.00058	-0.09451	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	SEMINOLE 345KV	960	-0.00058	-0.09451	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIPU	SIBLEY 161KV	228.4982	0.00077	-0.09586	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.0959	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	SOONER 138KV	535	-0.00056	-0.09453	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	SOONER 345KV	537	-0.00058	-0.09451	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIPU	SOUTH HARPER 161KV	264.9471	0.00059	-0.09569	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	STATE LINE 161KV	165.7648	-0.00001	-0.09508	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	WELSH 345KV	1044	-0.00026	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	WILKES 138KV	192	-0.00025	-0.09484	13
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	WILKES 345KV	241.3065	-0.00024	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	AES 161KV	320	-0.00019	-0.09499	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	EMDE	ASBURY 161KV	191	0.00003	-0.09491	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	CHAMUTE 69KV	47.15	-0.00007	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.09489	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.09489	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	COGENTRIX 345KV				

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	WILKES 138KV	192	-0.00205	-0.09463	13	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	WILKES 345KV	241	3.0965	-0.00204	-0.09464	13
WEPL	CIMARRON RIVER 115KV	73	-0.00225	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.00225	-0.09389	14
WEPL	HARPER 138KV	13.59	-0.00948	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.00948	-0.09213	14
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	CENTENIAL WIND 34KV	31	-0.0009	-0.09419	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.09437	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	CITY OF MULVANE 69KV	6.5	-0.00091	-0.09418	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	MIDW	COLBY 115KV	5.6222144	-0.0012	-0.09418	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	COMANCHE 138KV	145	-0.00094	-0.09415	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	COMANCHE 69KV	60	-0.00093	-0.09416	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	OKGE	FPLWIND2 34KV	31	-0.00091	-0.09418	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	GILL ENERGY CENTER 138KV	165	-0.00145	-0.09397	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00125	-0.09384	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00113	-0.09396	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00093	-0.09416	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.09416	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00465	-0.09044	14	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.09394	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	CENTENIAL WIND 34KV	31	-0.0009	-0.09398	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.09416	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	CITY OF MULVANE 69KV	6.5	-0.00091	-0.09397	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	MIDW	COLBY 115KV	5.6222144	-0.0012	-0.09388	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	COMANCHE 138KV	145	-0.00094	-0.09394	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	COMANCHE 69KV	60	-0.00093	-0.09395	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	EVANS ENERGY CENTER 138KV	495	-0.00068	-0.0942	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	FPLWIND2 34KV	31	-0.00091	-0.0942	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	GILL ENERGY CENTER 138KV	165	-0.00145	-0.09343	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00125	-0.09363	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	HORSESHOE LAKE 138KV	153	-0.00058	-0.0943	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	LAWRENCE ENERGY CENTER 230KV	232.7524	-0.00113	-0.09375	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	MCCLEIN 138KV	470	-0.00062	-0.09425	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	MUSTANG 138KV	126	-0.00062	-0.09426	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	REDBUD 345KV	150	-0.00055	-0.09433	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	SEMINOLE 138KV	146.4693	-0.00058	-0.0943	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	SEMINOLE 345KV	360	-0.00058	-0.0943	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.09426	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	SOONER 138KV	535	-0.00056	-0.09432	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	OKGE	SOONER 345KV	537	-0.00058	-0.0943	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	SOUTHWESTERN STATION 138KV	116	-0.00093	-0.09395	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.09395	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WERE	TECUMSEH ENERGY CENTER 115KV	133	0.00465	-0.09023	14	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.09373	14	
WEPL	JUDSON LARGE 115KV	48.45907	-0.01096	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.09361	14	
AEPW	ARSENAL HILL 69KV	110	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.09361	15	
EMDE	ASBURY 161KV	20	-0.00003	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08262	15	
WERE	CHANUTE 69KV	33.45	-0.00007	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08272	15	
WERE	CITY OF AUGUSTA 69KV	24.89	-0.00072	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08337	15	
WERE	CITY OF BURLINGTON 69KV	58.47	-0.00007	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08326	15	
WERE	CITY OF ERIE 69KV	24.53	-0.00007	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08272	15	
WERE	CITY OF FREDONIA 69KV	10.294	-0.00015	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.0828	15	
WERE	CITY OF GIRARD 69KV	10.7	0.00001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08264	15	
WERE	CITY OF IOLA 69KV	42.878	0	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08265	15	
WERE	CITY OF MULVANE 69KV	10.29	-0.00091	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08265	15	
WERE	CITY OF NEODESHA 69KV	6.738	-0.00015	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.0828	15	
WERE	CITY OF WINFIELD 69KV	40	-0.00074	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08339	15	
WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	25	0.00001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08264	15	
AEPW	COGENTRIX 345KV	694	-0.00029	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08294	15	
MIDW	COLBY 115KV	19.37786	-0.00112	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08385	15	
AEPW	COMANCHE 138KV	15	-0.00094	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08359	15	
AEPW	EASTMAN 138KV	130.01	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08289	15	
AEPW	ELLIS 69KV	20	-0.00019	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08284	15	
WERE	EVANS ENERGY CENTER 138KV	189	-0.00068	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08333	15	
AEPW	FITZLUIGH 161KV	125	-0.00016	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08281	15	
AEPW	FLINT CREEK 161KV	28	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08279	15	
AEPW	FULTON 115KV	153	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08285	15	
WERE	GETTY 69KV	35	-0.00076	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08354	15	
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00145	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08341	15	
WERE	GILL ENERGY CENTER 69KV	13.77856	-0.00125	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.0839	15	
WERE	HOLTON 115KV	13.8	0.00001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08255	15	
OKGE	HORSESHOE LAKE 138KV	707	-0.00058	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08323	15	
OKGE	HORSESHOE LAKE 69KV	16	-0.00057	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08322	15	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01094	-0.08415	15	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00971	-0.08538	15	
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.09509	WEPL	JUDSON LARGE 115KV	54.54193	-0.01096	-0.08413	15	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01094	-0.08394	15	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	167.0004	-0.00971	-0.08517	15	
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09488	WEPL	JUDSON LARGE 115KV	54.54193	-0.01096	-0.08392	15	
AEPW	KIOWA 345KV	1348	-0.00051	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08316	15	
AEPW	KNOXLEE 138KV	285.3584	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08289	15	
EMDE	LARUSSEL 161KV	198	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08363	15	
WERE	LAWRENCE ENERGY CENTER 230KV	36.24759	-0.00113	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08378	15	
AEPW	LEBROCK 345KV	232	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08289	15	
AEPW	LIEBERMAN 138KV	272	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08287	15	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00025	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08293	15	
OKGE	MCCLEIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08358	15	
AEPW	MID-CONTINENT 138KV	142.11	-0.00019	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08284	15	
OKGE	MUSKOGEE 161KV	75	-0.00025	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08293	15	
OKGE	MUSKOGEE 345KV	17	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08293	15	
OKGE	MUSTANG 138KV	239.5	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08327	15	
OKGE	MUSTANG 69KV	106	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08327	15	
AEPW	NARROWS 69KV	30	-0.00029	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08294	15	
MIPU	NEVADA 69KV	20.3	0.00044	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08221	15	
AEPW	NORTH MARSHALL 69KV	5	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08288	15	
AEPW	NORTHEASTERN STATION 138KV	101	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08288	15	
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.0002	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08285	15	
AEPW	DEC 345KV	1878.03	-0.00026	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08291	15	
AEPW	PIRKEY GENERATION 138KV	75	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08289	15	
OKGE	REDBUD 345KV	1050	-0.00055	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08362	15	
MIDW	rice 115KV	999	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08288	15	
EMDE	RIVERTON 161KV	250	-0.00002	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08267	15	
EMDE	RIVERTON 69KV	22.60148	-0.00002	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08267	15	
OKGE	SEMINOLE 138KV	358.5317	-0.00058	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08323	15	
OKGE	SEMINOLE 345KV	669.6	-0.00058	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08323	15	
OKGE	SOONER 138KV	5	-0.00056	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08321	15	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00063	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08328	15	
WERE	SOUTH SENECA 115KV	12.7	-0.00385	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.0865	15	
AEPW	SOUTHWESTERN STATION 138KV	322	-0.00093	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08358	15	
AEPW	SOUTHWESTERN STATION 138KV	785	-0.00093	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08358	15	
OKGE	SPGCK1&2 13.200 345KV	155.4	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08325	15	
OKGE	SPGCK3&4 13.200 345KV	168	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08325	15	
EMDE	STATE LINE 161KV	440.2552	-0.00001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08266	15	
WERE	TECUMSEH ENERGY CENTER 115KV	29	-0.00465	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08713	15	
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00516	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08761	15	
OKGE	TINKER 5G 138KV	62	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08325	15	
AEPW	TONTTOWN 161KV	346.12	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08279	15	
AEPW	TUL									

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

KACY	QUINDARO 161KV	122.1478	0.001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08165	16
KACY	QUINDARO 69KV	117	0.001	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08165	16
MIPU	RALPH GREEN 69KV	73.7	0.00083	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08203	16
MIPU	SIBLEY 161KV	21.50177	0.00077	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08188	16
MIPU	SOUTH HARPER 161KV	50.05286	0.00059	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08206	16
MIPU	TWA 161KV	32.1	0.00108	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.08157	16
WERE	HUTCHINSON ENERGY CENTER 115KV	219	-0.02609	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01814	-0.07695	17
WERE	HUTCHINSON ENERGY CENTER 69KV	53	-0.04488	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01814	-0.07574	17
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01084	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.07181	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16304	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.09509	-0.06795	19
MIDW	KNOLL 115KV	75.324	0.01661	WERE	SMOKEY HILLS 34KV	152	0.08265	-0.06604	19
MIDW	byrns 115kv	999	-0.16169	WERE	HUTCHINSON ENERGY CENTER 115KV	225	-0.09509	-0.06669	19
MIDW	pwamee 115kv	999	-0.03666	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01084	-0.0475	27
MIDW	pwamee 115kv	999	-0.03666	KACP	IATAN 345KV	396	0.00219	-0.03885	33
MIDW	pwamee 115kv	999	-0.03666	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0019	-0.03856	33
MIDW	pwamee 115kv	999	-0.03666	KACP	HAWTHORN 161KV	663.1245	0.00091	-0.03757	34
MIDW	pwamee 115kv	999	-0.03666	KACP	LACYGNE UNIT 345KV	477	0.00052	-0.03718	34
MIDW	pwamee 115kv	999	-0.03666	MIPU	LAKE ROAD 161KV	35	0.00112	-0.03778	34
MIDW	pwamee 115kv	999	-0.03666	MIPU	LAKE ROAD 34KV	92	0.00112	-0.03778	34
MIDW	pwamee 115kv	999	-0.03666	KACP	MARSHALL 161KV	15	0.00046	-0.03712	34
MIDW	pwamee 115kv	999	-0.03666	KACP	MONROUSE 161KV	354.71	0.00061	-0.03727	34
MIDW	pwamee 115kv	999	-0.03666	KACY	NEARMAN 20KV	210.5	0.001	-0.03766	34
MIDW	pwamee 115kv	999	-0.03666	KACY	QUINDARO 161KV	114.8522	0.001	-0.03766	34
MIDW	pwamee 115kv	999	-0.03666	KACY	QUINDARO 69KV	60	0.001	-0.03766	34
MIDW	pwamee 115kv	999	-0.03666	MIPU	SIBLEY 161KV	228.4992	0.00077	-0.03743	34
MIDW	pwamee 115kv	999	-0.03666	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.03743	34
MIDW	pwamee 115kv	999	-0.03666	MIPU	SOUTH HARPER 161KV	264.9471	0.00059	-0.03725	34
MIDW	pwamee 115kv	999	-0.03666	OKGE	AES 161KV	320	-0.00019	-0.03647	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	ASBURY 161KV	191	0.00003	-0.03669	35
MIDW	pwamee 115kv	999	-0.03666	WERE	CHANUTE 69KV	47.15	-0.00007	-0.03659	35
MIDW	pwamee 115kv	999	-0.03666	WERE	CITY OF AUGUSTA 69KV	12.42	-0.00072	-0.03594	35
MIDW	pwamee 115kv	999	-0.03666	WERE	CITY OF BURLINGTON 69KV	10020.08	0.00001	-0.03667	35
MIDW	pwamee 115kv	999	-0.03666	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20.09	0.00001	-0.03667	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	COGENTRIX 345KV	200	-0.00029	-0.03637	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	EASTMAN 138KV	655	-0.00062	-0.03642	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	ELK RIVER 345KV	149.9959	-0.0003	-0.03636	35
MIDW	pwamee 115kv	999	-0.03666	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.03598	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	FITZHIGH 161KV	16	-0.00016	-0.0365	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.03652	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	HORSESHOE LAKE 138KV	153	-0.00058	-0.03608	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	KNOXLEE 138KV	137.6416	-0.00024	-0.03642	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	LARUSSEL 161KV	100	0.00002	-0.03668	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	LEBROCK 345KV	465	-0.00024	-0.03642	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	MCCLEAIN 138KV	470	-0.00062	-0.03604	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	MUSKOGEE 161KV	91	-0.00025	-0.03641	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.03638	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	MUSTANG 138KV	126	-0.00062	-0.03604	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	NORTHEASTERN STATION 138KV	625	-0.0002	-0.03646	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.03646	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	DEC 345KV	269	-0.00026	-0.0364	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	OZARK BEACH 161KV	16	0.00001	-0.03667	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	PIRKREY GENERATION 138KV	213	-0.00024	-0.03642	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	REXBUID 345KV	150	-0.00062	-0.03604	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	RIVERTON 161KV	35	-0.00002	-0.03664	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	RIVERTON 69KV	45.39851	-0.00002	-0.03664	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	SEMINOLE 138KV	146.4683	-0.00058	-0.03608	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	SEMINOLE 345KV	360	-0.00068	-0.03608	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.03604	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	SOONER 138KV	535	-0.00056	-0.0361	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	SOONER 345KV	537	-0.00058	-0.03608	35
MIDW	pwamee 115kv	999	-0.03666	EMDE	STATE LINE 161KV	166.7448	-0.00001	-0.03665	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	WELSH 345KV	1044	-0.00026	-0.0364	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	WILKES 138KV	192	-0.00025	-0.03641	35
MIDW	pwamee 115kv	999	-0.03666	AEPW	WILKES 345KV	241.3065	-0.00024	-0.03642	35
MIDW	pwamee 115kv	999	-0.03666	OKGE	CENTENIAL WIND 34KV	31	-0.00009	-0.03576	36
MIDW	pwamee 115kv	999	-0.03666	AEPW	COMANCHE 138KV	145	-0.00094	-0.03572	36
MIDW	pwamee 115kv	999	-0.03666	AEPW	COMANCHE 69KV	60	-0.00094	-0.03572	36
MIDW	pwamee 115kv	999	-0.03666	OKGE	FPLWIND2 34KV	31	-0.00091	-0.03575	36
MIDW	pwamee 115kv	999	-0.03666	WERE	GILL ENERGY CENTER 138KV	155	-0.00145	-0.03521	36
MIDW	pwamee 115kv	999	-0.03666	WERE	GILL ENERGY CENTER 69KV	69.22144	-0.00125	-0.03541	36
MIDW	pwamee 115kv	999	-0.03666	WERE	LAWRENCE ENERGY CENTER 230KV	232.7503	-0.00118	-0.03553	36
MIDW	pwamee 115kv	999	-0.03666	AEPW	SOUTHWESTERN STATION 138KV	116	-0.00093	-0.03573	36
MIDW	pwamee 115kv	999	-0.03666	AEPW	SOUTHWESTERN STATION 138KV	267	-0.00093	-0.03573	36
MIDW	pwamee 115kv	999	-0.03666	AEPW	WEATHERFORD 34KV	12	-0.00115	-0.03551	36
MIDW	pwamee 115kv	999	-0.03666	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00465	-0.03201	40

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flows: 2007A514F-S4 116V208FA
 Date Redispatch Needed: Starting 2008 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1197077		1.3								
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.36907	3	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.44087	3	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01685	-0.34136	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	AES 161KV	320	-0.00019	-0.35802	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	ASBURY 161KV	191	0.00003	-0.35783	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	CENTENIAL WIND 34KV	16	-0.00009	-0.35731	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CHANUTE 69KV	47.15	-0.00006	-0.35815	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF AUGUSTA 69KV	13.66	-0.0007	-0.35751	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00002	-0.35823	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF ERIE 69KV	2	-0.00006	-0.35815	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF MULVANE 69KV	5.499	-0.00089	-0.35732	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.35823	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COGENTRIX 345KV	200	-0.00029	-0.35792	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIDW	COLBY 115KV	11.32242	-0.00131	-0.3569	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COMANCHE 138KV	145	-0.00094	-0.35727	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COMANCHE 69KV	60	-0.00094	-0.35727	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	EASTMAN 138KV	355	-0.00024	-0.35797	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	ELK RIVER 345KV	150	-0.00028	-0.35793	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	ELLIS 69KV	6	-0.00019	-0.35692	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	EVANS ENERGY CENTER 138KV	390.0017	-0.00067	-0.35754	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	FITZHIGH 161KV	5.999999	-0.00016	-0.35805	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.35807	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	FPLWIND2 34KV	16	-0.00091	-0.3573	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	GRAY COUNTY WIND FARM 115KV	0.01086	0.00002	-0.34723	4	
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	GREAT PLAINS WIND GENERATION AT SPEARVILLE 230KV	166.9761</				

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	KACY	NEARMAN 20KV	199.5	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.35799	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.35801	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	OEC 345KV	269	-0.00026	-0.35795	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	EMDE	OZARK BEACH 161KV	16	0.00001	-0.35822	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.35797	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	KACY	QUINDARO 161KV	119.781	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	KACY	QUINDARO 69KV	33	0.00101	-0.35922	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	REDBUD 345KV	150	-0.00055	-0.35766	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	EMDE	RIVERTON 161KV	35	-0.00001	-0.35824	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	EMDE	RIVERTON 69KV	44.86292	-0.00001	-0.35824	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SEMINOLE 138KV	258.3025	-0.00058	-0.35763	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SEMINOLE 345KV	610	-0.00058	-0.35763	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	MIFU	SIBLEY 161KV	230.242	0.00077	-0.35898	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	MIFU	SIBLEY 69KV	45.99999	0.00081	-0.35902	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.35759	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SOONER 138KV	535	-0.00056	-0.35765	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SOONER 345KV	537	-0.00057	-0.35764	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	MIFU	SOUTH HARPER 161KV	305.968	0.00036	-0.35881	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	SOUTH SENECA 115KV	4	-0.00038	-0.35441	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	160	-0.00093	-0.35728	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	EMDE	STATE LINE 161KV	285.6002	-0.00001	-0.35824	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.35364	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.35705	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WELSH 345KV	1044	-0.00026	-0.35769	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WILKES 138KV	74.3857	-0.00025	-0.35796	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WILKES 345KV	116.8787	-0.00024	-0.35797	4
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.32041	4
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	HUTCHINSON ENERGY CENTER 115KV	185	-0.00058	-0.23686	5
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.24501	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	AES 161KV	320	-0.00019	-0.23756	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	ASBURY 161KV	191	0.00003	-0.23778	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	CENTENIAL WIND 34KV	16	-0.0009	-0.23685	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	CHANUTE 69KV	47.15	-0.00026	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	CITY OF AUGUSTA 69KV	13.66	-0.0007	-0.23705	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	CITY OF ERIE 69KV	2	-0.00006	-0.23679	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	CITY OF MULVANE 69KV	5.499	-0.00089	-0.23686	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	19.96	0.00002	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	COGENTRIX 345KV	200	-0.00029	-0.23746	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIDW	COLBY 115KV	11.32242	-0.00131	-0.23644	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	COMANCHE 138KV	145	-0.00094	-0.23681	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	COMANCHE 69KV	145	-0.00094	-0.23681	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	EASTMAN 138KV	355	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	ELK RIVER 345KV	150	-0.00028	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	ELLIS 69KV	6	-0.00019	-0.23756	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	EVANS ENERGY CENTER 138KV	390.0017	-0.00067	-0.23768	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	FITZLUIGH 161KV	5.99999	-0.00016	-0.23759	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	FPLWIND2 34KV	16	-0.00091	-0.23684	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACP	HAWTHORN 161KV	455	0.00091	-0.23686	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	HOLTON 115KV	6	0.00014	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.23688	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.24861	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	KNOXLEE 138KV	103	-0.00024	-0.23769	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACP	LACYGNE UNIT 345KV	968	0.00053	-0.23828	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIFU	LAKE ROAD 161KV	35	0.00111	-0.23886	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIFU	LAKE ROAD 34KV	92	0.00111	-0.23886	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	LARUSSEL 161KV	100	0.00032	-0.23777	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	LAWRENCE ENERGY CENTER 230KV	231.7872	-0.00105	-0.2367	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	LEBROCK 345KV	315	-0.00024	-0.23751	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACP	MARSHALL 161KV	15	0.00046	-0.23821	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	MCLAIN 138KV	470	-0.00062	-0.23771	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACP	MONTROSE 161KV	286.9276	0.00036	-0.23877	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	MUSKOGEE 161KV	138	-0.00025	-0.2375	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.23747	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	MUSTANG 138KV	160	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACY	NEARMAN 20KV	199.5	0.00101	-0.35922	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.23753	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.23755	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	OEC 345KV	269	-0.00026	-0.23749	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	OZARK BEACH 161KV	16	0.00001	-0.23776	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.23761	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACY	QUINDARO 161KV	119.781	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACY	QUINDARO 69KV	33	0.00101	-0.23876	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	REDBUD 345KV	150	-0.00055	-0.2372	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	RIVERTON 161KV	35	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	RIVERTON 69KV	44.86292	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	SEMINOLE 138KV	258.3025	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	SEMINOLE 345KV	610	-0.00058	-0.23717	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIFU	SIBLEY 161KV	230.242	0.00077	-0.23852	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIFU	SIBLEY 69KV	45.99999	0.00081	-0.23856	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.23713	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	SOONER 138KV	535	-0.00056	-0.23719	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	OKGE	SOONER 345KV	537	-0.00057	-0.23718	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	MIFU	SOUTH HARPER 161KV	305.968	0.00036	-0.23856	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	SOUTH SENECA 115KV	4	-0.00038	-0.23395	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.23682	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	160	-0.00093	-0.23682	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	EMDE	STATE LINE 161KV	285.6002	-0.00001	-0.23774	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.23714	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.23659	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	WELSH 345KV	1044	-0.00026	-0.23749	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	WILKES 138KV	74.3857	-0.00025	-0.23745	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	AEPW	WILKES 345KV	116.8787	-0.00024	-0.23751	5
MIDW	lyons 115kv	998	-0.16166	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.24432	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.16185	-0.2209	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01998	-0.22677	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00979	-0.22796	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WEPL	HARPER 138KV	3.68	-0.00939	-0.22336	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.23775	WEPL	JUDSON LARGE 115KV	67.37481	-0.011	-0.22675	6
WERE	ELLINWOOD 115KV	2.9	-0.1462	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.22886	

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16354	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIFPU	LAKE ROAD 161KV	35	0.01111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIFPU	LAKE ROAD 34KV	92	0.01111	-0.16412	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	LARUSSEL 161KV	100	0.00002	-0.16303	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	LAWRENCE ENERGY CENTER 230KV	231.7872	-0.00105	-0.16196	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LEBROCK 345KV	315	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MARSHALL 161KV	470	0.00046	-0.16347	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MCCLAIN 138KV	286.9276	0.00062	-0.16238	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MONTROSE 161KV	286.9276	0.00062	-0.16363	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 161KV	138	-0.00025	-0.16276	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16273	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSTANG 138KV	160	-0.00062	-0.16104	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	NEARMAN 20KV	199.5	0.00101	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.16279	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16281	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	OEC 345KV	269	-0.00026	-0.16275	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16302	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.16277	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 161KV	119.781	0.01011	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 69KV	83	0.01011	-0.16402	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	REDDUB 345KV	150	-0.00055	-0.16146	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 161KV	35	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 69KV	44.86292	-0.00001	-0.163	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 138KV	258.3025	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 345KV	510	-0.00058	-0.16243	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SIBLEY 161KV	230.542	0.00001	-0.16382	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIFPU	SIBLEY 69KV	45.99999	0.00081	-0.16382	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16239	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 138KV	535	-0.00056	-0.16245	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 345KV	537	-0.00057	-0.16244	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIFPU	SOUTH HARPER 161KV	305.968	0.0006	-0.16361	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SOUTH SENECA 115KV	4	-0.0038	-0.15921	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	160	-0.00093	-0.16208	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	STATE LINE 161KV	285.6502	-0.00001	-0.16165	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.1584	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.16185	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WELSH 345KV	1044	-0.00026	-0.16275	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 138KV	74.3857	-0.00025	-0.16176	8
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 345KV	116.8737	-0.00024	-0.16277	8
WERE	ELLINWOOD 115KV	2.9	-0.1462	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.15706	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	AES 161KV	320	-0.00019	-0.16147	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	ASBURY 161KV	191	0.00003	-0.16169	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	CENTENAL WIND 34KV	16	-0.0009	-0.16176	8
MIDW	Yvons 115kv	999	-0.16166	WERE	CHANUTE 69KV	47.15	-0.00006	-0.1616	8
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF AUGUSTA 69KV	13.66	-0.0007	-0.16096	8
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00002	-0.16168	8
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF MULLYANE 69KV	5.9	-0.00089	-0.16077	8
MIDW	Yvons 115kv	999	-0.16166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.16169	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	COGENTRIX 345KV	200	-0.00029	-0.16137	8
MIDW	Yvons 115kv	999	-0.16166	MIDW	COLBY 115KV	11.32242	-0.00131	-0.16035	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	COMANCHE 138KV	145	-0.00094	-0.16072	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	COMANCHE 69KV	80	-0.00094	-0.16072	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	EASTMAN 138KV	355	-0.00024	-0.16142	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	ELK RIVER 345KV	150	-0.00028	-0.16138	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	ELLIS 69KV	6	-0.00019	-0.16147	8
MIDW	Yvons 115kv	999	-0.16166	WERE	EVANS ENERGY CENTER 138KV	390.017	-0.00067	-0.16099	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	FITZLUGH 161KV	5.99999	0.00001	-0.16168	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	FLUNT CREEK 161KV	400	-0.00014	-0.16152	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	FPLW2 34KV	16	-0.00091	-0.16075	8
MIDW	Yvons 115kv	999	-0.16166	WERE	GRAY COUNTY WIND FARM 115KV	70	-0.01988	-0.15668	8
MIDW	Yvons 115kv	999	-0.16166	KACP	GRANT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9731	-0.00079	-0.16167	8
MIDW	Yvons 115kv	999	-0.16166	WEPL	HARPER 138KV	3.68	-0.00939	-0.15227	8
MIDW	Yvons 115kv	999	-0.16166	KACP	HAWTHORN 161KV	455	0.00091	-0.16257	8
MIDW	Yvons 115kv	999	-0.16166	WERE	HOLTON 115KV	6	0.00014	-0.1618	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.00058	-0.16108	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	HORSESHOE LAKE 69KV	16	-0.0005	-0.16108	8
MIDW	Yvons 115kv	999	-0.16166	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16359	8
MIDW	Yvons 115kv	999	-0.16166	WEPL	JUDSON LARGE 115KV	67.37481	-0.011	-0.15066	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	KNOXLEE 138KV	103	-0.00024	-0.16142	8
MIDW	Yvons 115kv	999	-0.16166	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16354	8
MIDW	Yvons 115kv	999	-0.16166	MIFPU	LAKE ROAD 161KV	35	0.01111	-0.16277	8
MIDW	Yvons 115kv	999	-0.16166	MIFPU	LAKE ROAD 34KV	92	0.01111	-0.16277	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	LARUSSEL 161KV	100	0.00002	-0.16168	8
MIDW	Yvons 115kv	999	-0.16166	WERE	LAWRENCE ENERGY CENTER 230KV	231.7872	-0.00105	-0.16061	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	LEBROCK 345KV	315	-0.00024	-0.16277	8
MIDW	Yvons 115kv	999	-0.16166	KACP	MARSHALL 161KV	15	0.00046	-0.16212	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16104	8
MIDW	Yvons 115kv	999	-0.16166	KACP	MONTROSE 161KV	286.9276	0.00062	-0.16228	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSKOGEE 161KV	138	-0.00025	-0.16141	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16138	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSTANG 138KV	160	-0.00062	-0.16104	8
MIDW	Yvons 115kv	999	-0.16166	KACY	NEARMAN 20KV	199.5	0.00101	-0.16267	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.16144	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16146	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	OEC 345KV	269	-0.00026	-0.1614	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16167	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.16142	8
MIDW	Yvons 115kv	999	-0.16166	KACY	QUINDARO 161KV	119.781	0.01011	-0.16267	8
MIDW	Yvons 115kv	999	-0.16166	KACY	QUINDARO 69KV	83	0.01011	-0.16267	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	REDDUB 345KV	150	-0.00055	-0.16111	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	RIVERTON 161KV	35	-0.00001	-0.16165	8
MIDW	Yvons 115kv	999	-0.16166	EMDE	RIVERTON 69KV	44.86292	-0.00001	-0.16165	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	SEMINOLE 138KV	258.3025	-0.00058	-0.16108	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	SEMINOLE 345KV	510	-0.00058	-0.16108	8
MIDW	Yvons 115kv	999	-0.16166	MIFPU	SIBLEY 161KV	230.542	0.00001	-0.16243	8
MIDW	Yvons 115kv	999	-0.16166	MIFPU	SIBLEY 69KV	45.99999	0.00081	-0.16243	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16104	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	SOONER 138KV	535	-0.00056	-0.16111	8
MIDW	Yvons 115kv	999	-0.16166	OKGE	SOONER 345KV	537	-0.00057	-0.16109	8
MIDW	Yvons 115kv	999	-0.16166	MIFPU	SOUTH HARPER 161KV	305.968	0.0006	-0.16228	8
MIDW	Yvons 115kv	999	-0.16166	WERE	SOUTH SENECA 115KV	4	-0.0038	-0.15796	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.16208	8
MIDW	Yvons 115kv	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	160	-0.00093	-0.16073	8
MIDW	Yvons 115kv	999	-0						

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

WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WERE	HOLTON 115KV	6	0.00014	-0.09519	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	HORSESHOE LAKE 138KV	63,870.02	-0.00058	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	HORSESHOE LAKE 69KV	16	-0.00057	-0.09448	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.09698	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	KNOXLEE 138KV	103	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.09558	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIFU	LAKE ROAD 161KV	35	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIFU	LAKE ROAD 34KV	92	0.00111	-0.09616	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	EMDE	LARUSSEL 161KV	100	0.00002	-0.09507	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	LEBROCK 345KV	315	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACP	MARSHALL 161KV	15	0.00046	-0.09551	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	MCCLAIN 138KV	470	-0.00062	-0.09443	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACP	MONTROSE 161KV	286,927.6	0.00062	-0.09567	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	MUSKOGEE 161KV	138	-0.00025	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	MUSKOGEE 345KV	1548	-0.00028	-0.09477	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	MUSTANG 138KV	160	-0.00062	-0.09443	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACY	NEARMAN 20KV	199.5	0.00101	-0.09508	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	OEC 345KV	269	-0.00026	-0.09479	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	EMDE	OZARK BEACH 161KV	16	0.00011	-0.09506	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACY	QUINDARO 161KV	119,781	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACY	QUINDARO 69KV	83	0.00101	-0.09606	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	REDDUB 345KV	150	-0.00055	-0.0945	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	RIVERTON 161KV	35	-0.00001	-0.09543	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	EMDE	RIVERTON 69KV	44,862.92	-0.00001	-0.09504	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	SEMINOLE 138KV	258,302.5	-0.00058	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	SEMINOLE 345KV	610	-0.00058	-0.09447	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIFU	SIBLEY 161KV	230,242	0.00077	-0.09562	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIFU	SIBLEY 69KV	45,999.99	0.00081	-0.09565	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	SMITH COGEN 138KV	107	-0.00062	-0.09443	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	SOONER 138KV	535	-0.00056	-0.09449	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	OKGEE	SOONER 345KV	537	-0.00057	-0.09448	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIFU	SOUTH HARPER 161KV	305,968	0.0006	-0.09565	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.09412	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	SOUTHWESTERN STATION 345KV	160	-0.00093	-0.09412	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	EMDE	STATE LINE 161KV	285,650.2	-0.00001	-0.09504	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	WELSH 345KV	1044	-0.00026	-0.09478	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	WILKES 138KV	74,385.7	-0.00025	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	WILKES 345KV	116,878.7	-0.00024	-0.09481	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	AES 161KV	320	-0.00019	-0.09465	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	ASBURY 161KV	191	0.00003	-0.09487	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	CHANULTE 69KV	47.15	-0.00006	-0.09478	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	CITY OF AUGUSTA 69KV	13.66	-0.0007	-0.09414	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00002	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	COGENTRIX 345KV	200	-0.00028	-0.09455	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	EASTMAN 138KV	355	-0.00024	-0.0946	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	ELK RIVER 345KV	150	-0.00028	-0.09456	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	ELLIS 69KV	6	-0.00019	-0.09465	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	EVANS ENERGY CENTER 138KV	390,017	-0.00067	-0.09417	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	FITZLUIGH 161KV	5,999.999	0.00009	-0.09468	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.0947	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	HAWTHORN 161KV	455	0.00091	-0.09575	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	HOLTON 115KV	6	0.00014	-0.09498	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	HORSESHOE LAKE 138KV	63,870.02	-0.00058	-0.09426	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	HORSESHOE LAKE 69KV	16	-0.00057	-0.09427	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.09677	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	KNOXLEE 138KV	103	-0.00024	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.09537	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	LAKE ROAD 161KV	35	0.00111	-0.09506	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	MIFU	LAKE ROAD 34KV	92	0.00111	-0.09505	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	LARUSSEL 161KV	100	0.00002	-0.09486	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	LEBROCK 345KV	315	-0.00024	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	MARSHALL 161KV	15	0.00046	-0.09551	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	MCCLAIN 138KV	470	-0.00062	-0.09443	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	MONTROSE 161KV	286,927.6	0.00062	-0.09546	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	MUSKOGEE 161KV	138	-0.00025	-0.09459	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	MUSKOGEE 345KV	1548	-0.00028	-0.09456	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	MUSTANG 138KV	160	-0.00062	-0.09443	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACY	NEARMAN 20KV	199.5	0.00101	-0.09508	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	NORTHEASTERN STATION 138KV	346	-0.00022	-0.09482	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09484	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	OEC 345KV	269	-0.00026	-0.09458	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	OZARK BEACH 161KV	16	0.00011	-0.09485	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.0948	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACY	QUINDARO 161KV	119,781	0.00101	-0.09585	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACY	QUINDARO 69KV	83	0.00101	-0.09585	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	REDDUB 345KV	150	-0.00055	-0.09426	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	RIVERTON 161KV	35	-0.00001	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	RIVERTON 69KV	44,862.92	-0.00001	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	SEMINOLE 138KV	258,302.5	-0.00058	-0.09426	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	SEMINOLE 345KV	610	-0.00058	-0.09426	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	MIFU	SIBLEY 161KV	230,242	0.00077	-0.09561	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	MIFU	SIBLEY 69KV	45,999.99	0.00081	-0.09565	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	SMITH COGEN 138KV	107	-0.00062	-0.09422	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	SOONER 138KV	535	-0.00056	-0.09428	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	SOONER 345KV	537	-0.00057	-0.09427	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	MIFU	SOUTH HARPER 161KV	305,968	0.0006	-0.09544	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	EMDE	STATE LINE 161KV	285,650.2	-0.00001	-0.09483	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	WELSH 345KV	1044	-0.00026	-0.09458	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	WILKES 138KV	74,385.7	-0.00025	-0.09459	13
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	WILKES 345KV	116,878.7	-0.00024	-0.0946	13
WEPL	CIMARRON RIVER 115KV	72	-0.00834	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.091	14
WEPL	HARPER 138KV	13.53	-0.00939	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.09205	14
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	MIDW	COLBY 115KV	11,322.42	-0.00131	-0.09374	14
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WERE	LAWRENCE ENERGY CENTER 230KV	231,787.2	-0.00105	-0.09379	14
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.09044	14
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.09389	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	CENTENIAL WIND 34KV	16	-0.00099	-0.09394	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	CITY OF MULVANE 69KV	5,498	-0.00089	-0.09395	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	MIFU	COLBY 115KV	11,322.42	-0.00131	-0.09353	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	COMANCHE 138KV	145	-0.00094	-0.0939	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	COMANCHE 69KV	60	-0.00094	-0.0939	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	OKGEE	FPLWIND2 34KV	16	-0.00091	-0.09393	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	LAWRENCE ENERGY CENTER 230KV	231,787.2	-0.00105	-0.09379	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00093	-0.09391	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	SOUTHWESTERN STATION 345KV	160	-0.00093	-0.09391	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.09023	14
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.09368	14
WEPL	JUDSON LARGE 115KV	36,625.19	-0.011	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.09366	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00512	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08778	14
MIFU	ARIES 161KV	595	0.00064	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08202	15
AEPW	ARSENAL HILL 69KV	110	-0.0						

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

WERE	GILL ENERGY CENTER 69KV	118	-0.00123	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08389	15
MIPU	GREENWOOD 161KV	255.8	0.00065	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08201	15
WERE	HOLTON 115KV	13.8	0.00014	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08262	15
OKGE	HORSESHOE LAKE 138KV	796.1299	-0.00059	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08324	15
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.08407	15
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00979	-0.08256	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WEPL	JUDSON LARGE 115KV	67.37481	-0.011	-0.08405	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	GRAY COUNTY WIND FARM 115KV	70	-0.01098	-0.08386	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WEPL	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00979	-0.08505	15
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	KACP	JUDSON LARGE 115KV	67.37481	-0.011	-0.08384	15
AEFPW	KIOWA 345KV	1348	-0.00051	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08317	15
AEFPW	KNOXLEE 138KV	320	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08266	15
EMDE	LARUSSEL 161KV	196	0.00002	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08264	15
WERE	LAWRENCE ENERGY CENTER 230KV	37.21283	-0.00105	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08371	15
AEFPW	LEBROCK 345KV	382	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08249	15
AEFPW	LIEBERMAN 138KV	272	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08288	15
AEFPW	LONESTAR POWER PLANT 69KV	50	-0.00025	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08291	15
KACP	MARSHALL 161KV	39.1	0.00046	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0822	15
OKGE	MCCLAIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08238	15
AEFPW	MID-CONTINENT 138KV	142.11	-0.00019	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08285	15
KACP	MONTROSE 161KV	94.07238	0.00036	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08234	15
OKGE	MUSKOGEE 161KV	28	-0.00025	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08291	15
OKGE	MUSKOGEE 345KV	17	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08294	15
OKGE	MUSTANG 138KV	205.5	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08328	15
OKGE	MUSTANG 69KV	106	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08328	15
AEFPW	NARROWS 69KV	30	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08235	15
MIPU	NEVADA 69KV	20.3	0.00044	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08222	15
AEFPW	NORTH MARSHALL 69KV	5	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08289	15
AEFPW	NORTHEASTERN STATION 138KV	162	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08288	15
AEFPW	NORTHEASTERN STATION 345KV	18.99977	-0.00032	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08286	15
AEFPW	OEC 345KV	1878.03	-0.00026	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08292	15
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00064	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08202	15
AEFPW	PIRKEY GENERATION 138KV	75	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08239	15
MIPU	RALPH GREEN 69KV	73.7	0.00063	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08203	15
OKGE	REDBUD 345KV	1050	-0.00055	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08321	15
MIPU	rice 115KV	999	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08289	15
EMDE	RIVERTON 161KV	250	-0.00001	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08267	15
EMDE	RIVERTON 69KV	23.13707	-0.00001	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08267	15
OKGE	SEMINOLE 138KV	246.8979	-0.00058	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08324	15
OKGE	SEMINOLE 345KV	419.6	-0.00058	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08324	15
MIPU	SIBLEY 161KV	19.758	0.00077	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08189	15
OKGE	SOONER 138KV	5	-0.00056	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08322	15
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00063	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08329	15
MIPU	SOUTH HARPER 161KV	9.031976	0.00036	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08208	15
WERE	SOUTH SENECA 115KV	12.7	-0.0038	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0846	15
AEFPW	SOUTHWESTERN STATION 138KV	379	-0.00093	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08359	15
AEFPW	SOUTHWESTERN STATION 138KV	1017	-0.00093	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08359	15
OKGE	SPOCK 13200 345KV	168	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08326	15
OKGE	SPOCK284 13200 345KV	168	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08325	15
EMDE	STATE LINE 161KV	320.3498	-0.00001	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08267	15
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00461	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08727	15
OKGE	TINKER 50 138KV	62	-0.0006	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08326	15
AEFPW	TONTOWN 161KV	345.12	-0.00015	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08281	15
AEFPW	TULSA POWER STATION 138KV	307	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08294	15
AEFPW	TULSA POWER STATION 69KV	80	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08294	15
WERE	WACO 138KV	30	-0.00135	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08401	15
AEFPW	WEELETKA 138KV	162	-0.00039	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08305	15
AEFPW	WILKES 138KV	413.6143	-0.00028	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08291	15
AEFPW	WILKES 345KV	194.1213	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0829	15
KACP	BULL CREEK 161KV	413	0.00115	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08151	16
WERE	EMPORIA ENERGY CENTER 345KV	433	0.00093	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08173	16
KACP	GARDNER 161KV	111	0.00113	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08153	16
KACP	HAWTHORN 161KV	455	0.00091	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08175	16
WERE	HUTCHINSON ENERGY CENTER 115KV	259	-0.09505	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01685	-0.0782	16
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.09484	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.01685	-0.07799	16
WERE	JATAN 345KV	651	0.00217	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08049	16
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00193	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08157	16
KACY	KAW 69KV	242	0.00101	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08165	16
MIPU	LAKE ROAD 161KV	91	0.00111	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08155	16
KACY	NEARMAN 161KV	80	0.00101	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08165	16
KACY	NEARMAN 20KV	35.48988	0.00101	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08165	16
KACP	NORTHEAST 138KV	277	0.00096	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0817	16
KACP	NORTHEAST 161KV	277	0.00096	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0817	16
KACY	QUINDARO 161KV	117.219	0.00101	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08165	16
KACY	QUINDARO 69KV	94	0.00101	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08165	16
MIPU	TWA 161KV	32	-0.00199	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.08157	16
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01086	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.0718	18
MIDW	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	185	-0.09505	-0.06796	19
MIDW	KNOLL 115KV	75.924	0.0166	WERE	SMOKEY HILLS 34KV	152	0.08266	-0.06606	19
MIDW	Doris 115KV	999	-0.03626	WERE	HUTCHINSON ENERGY CENTER 115KV	185	-0.09505	-0.06691	19
MIDW	paawee 115KV	999	-0.03626	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.04712	27
MIDW	paawee 115KV	999	-0.03626	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.03819	33
MIDW	paawee 115KV	999	-0.03626	KACP	HAWTHORN 161KV	455	0.00091	-0.03717	34
MIDW	paawee 115KV	999	-0.03626	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.03679	34
MIDW	paawee 115KV	999	-0.03626	MIPU	LAKE ROAD 161KV	92	0.00111	-0.03737	34
MIDW	paawee 115KV	999	-0.03626	MIPU	LAKE ROAD 34KV	92	0.00111	-0.03737	34
MIDW	paawee 115KV	999	-0.03626	KACP	MONTROSE 161KV	286.9276	0.00062	-0.03688	34
MIDW	paawee 115KV	999	-0.03626	KACY	NEARMAN 20KV	199.5	0.00101	-0.03727	34
MIDW	paawee 115KV	999	-0.03626	KACY	QUINDARO 161KV	119.757	0.00101	-0.03727	34
MIDW	paawee 115KV	999	-0.03626	KACY	QUINDARO 69KV	83	0.00101	-0.03727	34
MIDW	paawee 115KV	999	-0.03626	MIPU	SIBLEY 161KV	230.242	0.00077	-0.03703	34
MIDW	paawee 115KV	999	-0.03626	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.03707	34
MIDW	paawee 115KV	999	-0.03626	MIPU	SOUTH HARPER 161KV	305.968	0.0006	-0.03686	34
MIDW	paawee 115KV	999	-0.03626	OKGE	AES 161KV	103	-0.00024	-0.03602	35
MIDW	paawee 115KV	999	-0.03626	EMDE	ASBURY 161KV	191	0.00003	-0.03629	35
MIDW	paawee 115KV	999	-0.03626	WERE	CHANUTE 69KV	47.15	-0.00006	-0.0362	35
MIDW	paawee 115KV	999	-0.03626	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00002	-0.03628	35
MIDW	paawee 115KV	999	-0.03626	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.03628	35
MIDW	paawee 115KV	999	-0.03626	AEFPW	COGENTRIX 345KV	200	-0.00029	-0.03697	35
MIDW	paawee 115KV	999	-0.03626	AEFPW	EASTMAN 138KV	355	-0.00024	-0.03602	35
MIDW	paawee 115KV	999	-0.03626	EMDE	ELK RIVER 345KV	150	-0.00028	-0.03598	35
MIDW	paawee 115KV	999	-0.03626	AEFPW	FLINT CREEK 161KV	400	-0.00014	-0.03612	35
MIDW	paawee 115KV	999	-0.03626	AEFPW	KNOXLEE 138KV	103	-0.00024	-0.03602	35
MIDW	paawee 115KV	999	-0.03626	EMDE	LARUSSEL 161KV	10			

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	A. M. MULLERGEN GENERATOR 115KV	25	-0.00635	-0.36223	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	AES 161KV	320	-0.00014	-0.36844	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	ASBURY 161KV	191	-0.00011	-0.36847	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CENTENIAL WIND 34KV	16	-0.0004	-0.36818	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CHANUTE 69KV	47.15	-0.00021	-0.36837	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF AUGUSTA 69KV	13.66	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00025	-0.36833	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF ERIE 69KV	2	-0.00021	-0.36837	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF MULVANE 69KV	5.499	-0.00081	-0.36777	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.36833	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	COGENTRIX 345KV	200	-0.00021	-0.36837	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	MIDW	COLBY 115KV	11.84843	0.00323	-0.37181	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	COMANCHE 138KV	145	-0.00038	-0.3682	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	COMANCHE 69KV	60	-0.00038	-0.3682	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	EASTMAN 138KV	355	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	ELK RIVER 345KV	150	-0.00041	-0.36817	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	ELLIS 69KV	6	-0.00014	-0.36844	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.00068	-0.3679	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	FITZHUGH 161KV	5.999999	-0.00012	-0.36846	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	FLINT CREEK 161KV	400	-0.00015	-0.36843	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	FPLWIND2 34KV	16	-0.00041	-0.36817	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	GRAY COUNTY WIND FARM 115KV	701	-0.00408	-0.3645	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00275	-0.36583	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	HAWTHORN 161KV	3.68	-0.00567	-0.36291	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	HAWTHORN 161KV	455	0.00041	-0.36899	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	HOLTON 115KV	6	-0.00083	-0.36775	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	HORSESHOE LAKE 138KV	63.87012	-0.00031	-0.36827	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.3772	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	JUDSON LARGE 115KV	68.24352	-0.0041	-0.36448	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	KNOXLEE 138KV	103	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LACYGNE UNIT 345KV	968	0.00006	-0.36864	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LAKE ROAD 161KV	35	0.00072	-0.3693	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LAKE ROAD 34KV	92	0.00072	-0.3693	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LARUSSEL 161KV	100	-0.00009	-0.36849	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.0021	-0.36848	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	LEBROCK 345KV	315	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MARSHALL 161KV	15	0.00018	-0.36876	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MCCLAIN 138KV	470	-0.00032	-0.36826	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MONTROSE 161KV	218.3628	0.00017	-0.36875	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MUSKOGEE 161KV	138	-0.00019	-0.36839	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MUSKOGEE 345KV	1548	-0.0002	-0.36838	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	MUSTANG 138KV	160	-0.00033	-0.36825	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	NEARMAN 20KV	235	0.00044	-0.36902	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	NORTHEASTERN STATION 138KV	346	-0.0002	-0.36838	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	NORTHEASTERN STATION 345KV	629	-0.00013	-0.36839	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	DEC 345KV	269	-0.0002	-0.36838	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	OZARK BEACH 161KV	16	-0.00007	-0.36851	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	PIRKEY GENERATION 138KV	213	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	QUINDARO 161KV	70.325	0.00044	-0.36902	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	QUINDARO 69KV	72	0.00044	-0.36902	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	REDBUD 345KV	150	-0.00031	-0.36827	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	RIVERTON 161KV	35	-0.00012	-0.36846	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	RIVERTON 69KV	44.73872	-0.00012	-0.36846	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SEMINOLE 138KV	258.9168	-0.00013	-0.36828	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SEMINOLE 345KV	610	-0.0003	-0.36828	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SIBLEY 161KV	230.1012	0.00031	-0.36889	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SIBLEY 69KV	45.99999	0.00033	-0.36891	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SMITH COGEN 138KV	197	-0.00033	-0.36825	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.44997	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOONER 138KV	535	-0.00036	-0.36822	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOONER 345KV	537	-0.00036	-0.36822	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTH HARPER 161KV	308.9866	0.00005	-0.36963	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTH SENECA 115KV	4	-0.00023	-0.36935	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTHWESTERN STATION 138KV	59	-0.00038	-0.3682	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTHWESTERN STATION 138KV	160	-0.00038	-0.3682	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	STATE LINE 161KV	285.6002	-0.00011	-0.36847	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00582	-0.36276	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	WEATHERFORD 34KV	12	-0.00043	-0.36815	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	WELSH 345KV	1044	-0.00014	-0.36844	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	WILKES 138KV	74.3857	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	WILKES 345KV	118.1459	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	66	-0.36858	WERE	WILKES 115KV	245	-0.00013	-0.36845	3
WERE	ABELINE ENERGY CENTER 115KV	22	-0.24517	WERE	HITCHCOCK ENERGY CENTER 115KV	277	-0.08025	-0.32049	4
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.32656	4
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	A. M. MULLERGEN GENERATOR 115KV	25	-0.00635	-0.23882	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	AES 161KV	320	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	ASBURY 161KV	191	-0.00011	-0.24508	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CENTENIAL WIND 34KV	16	-0.0004	-0.24477	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CHANUTE 69KV	47.15	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CITY OF AUGUSTA 69KV	13.66	-0.00076	-0.24441	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CITY OF ERIE 69KV	2	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	CITY OF MULVANE 69KV	5.499	-0.00081	-0.24436	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.24492	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	COGENTRIX 345KV	200	-0.00021	-0.24496	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	MIDW	COLBY 115KV	11.84843	0.00323	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	COMANCHE 138KV	145	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	COMANCHE 69KV	60	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	EASTMAN 138KV	355	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	ELK RIVER 345KV	150	-0.00041	-0.24476	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	ELLIS 69KV	6	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.00068	-0.24449	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	FITZHUGH 161KV	5.999999	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	FLINT CREEK 161KV	400	-0.00015	-0.24502	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	FPLWIND2 34KV	16	-0.00041	-0.24476	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	GRAY COUNTY WIND FARM 115KV	701	-0.00408	-0.24109	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00275	-0.24242	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HAWTHORN 161KV	3.68	-0.00567	-0.2395	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HAWTHORN 161KV	455	0.00041	-0.24558	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HOLTON 115KV	6	-0.00083	-0.24448	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HORSESHOE LAKE 138KV	63.87012	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	22							

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

WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	MUSTANG 138KV	160	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	KACY	NEARMAN 20KV	235	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	NORTHEASTERN STATION 138KV	346	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24498	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	OEC 345KV	269	-0.0002	-0.24497	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.2451	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	KACY	QUINDARO 161KV	70.32052	0.00044	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	KACY	QUINDARO 69KV	72	0.00044	-0.24561	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	REBLUD 345KV	150	-0.00031	-0.24486	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	EMDE	RIVERTON 161KV	35	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	EMDE	RIVERTON 69KV	44.73872	-0.00012	-0.24505	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	SEMINOLE 138KV	258.8168	-0.0003	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	SEMINOLE 345KV	610	-0.0003	-0.24487	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	MIFPU	SIBLEY 161KV	230.1012	0.00031	-0.24548	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	MIFPU	SIBLEY 69KV	45.99999	0.00033	-0.2455	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	SMITH COGEN 138KV	107	-0.00033	-0.24484	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	SOONER 138KV	535	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	SOONER 345KV	537	-0.00036	-0.24481	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	MIFPU	SOUTH HARPER 161KV	308.9866	0.00005	-0.24522	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	SOUTH SENECA 115KV	4	-0.00423	-0.24094	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	SOUTHWESTERN STATION 345KV	160	-0.00038	-0.24479	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	EMDE	STATE LINE 161KV	285.6502	-0.00011	-0.24506	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00582	-0.23935	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	OKGKE	WEATHERFORD 34KV	104	-0.00013	-0.24574	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	WELSH 345KV	1044	-0.00014	-0.24503	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	WILKES 138KV	74.3857	-0.00013	-0.24504	5
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	AEPW	WILKES 345KV	119.1549	-0.00013	-0.24504	5
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SMOKEY HILLS 34KV	177	0.08139	-0.20446	6
WERE	ELLINWOOD 115KV	2.9	-0.10988	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.19127	6
MIDW	Yvons 115KV	999	-0.12251	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.2039	6
WERE	CLAY CENTER JUNCTION 115KV	22	-0.24517	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.06809	-0.17708	7
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.19498	8
WERE	HUTCHINSON ENERGY CENTER 69KV	53	-0.06793	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.1932	8
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	COLBY 115KV	11.48483	0.00323	-0.1263	9
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13221	9
MIDW	Yvons 115KV	999	-0.12251	MIDW	COLBY 115KV	11.48483	0.00323	-0.12574	9
MIDW	Yvons 115KV	999	-0.12251	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13165	9
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CLAY CENTER JUNCTION 115KV	6.7	-0.24517	-0.12341	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	A. M. MULLERGEREN GENERATOR 115KV	25	-0.00635	-0.11672	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	AES 161KV	320	-0.00014	-0.12293	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ASBURY 161KV	191	-0.00011	-0.12296	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	CENTRAL WIND 34KV	16	-0.0004	-0.12267	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CHANUTE 69KV	47.15	-0.00021	-0.12286	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF AUGUSTA 69KV	13.66	-0.00076	-0.12231	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00025	-0.12282	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF MULLVANE 69KV	5.99	-0.00038	-0.12268	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.12282	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COGENTRIX 345KV	200	-0.00021	-0.12286	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 138KV	145	-0.00038	-0.12269	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 69KV	60	-0.00038	-0.12269	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 345KV	177	-0.00038	-0.12269	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ELK RIVER 345KV	150	-0.00041	-0.12266	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	ELLIS 69KV	6	-0.00014	-0.12293	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EVANS ENERGY CENTER 138KV	288.9768	-0.00068	-0.12239	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	FITZHUGH 161KV	5.999999	-0.00012	-0.12295	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	FLINT CREEK 161KV	400	-0.00015	-0.12292	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	FPLWIND2 34KV	16	-0.00041	-0.12266	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.00408	-0.11899	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9751	-0.00275	-0.12032	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HARPER 138KV	3.68	-0.00567	-0.11714	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	HAWTHORN 161KV	455	0.00041	-0.12348	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HOLTON 115KV	6	-0.00083	-0.12224	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	HORSESHOE LAKE 138KV	63.87012	-0.00031	-0.12276	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	JEFFREY ENERGY CENTER 230KV	470	0.00002	-0.12287	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	JUDSON LARGE 115KV	68.24552	-0.0041	-0.11897	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	KNOXLEE 138KV	103	-0.00013	-0.12294	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.12313	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	LAKE ROAD 161KV	35	0.00017	-0.12378	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	LAKE ROAD 34KV	82	0.00072	-0.12378	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	LARUSSELL 161KV	100	-0.00009	-0.12298	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.00021	-0.12097	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	LEBROCK 345KV	315	-0.00013	-0.12294	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MARSHALL 161KV	3.0038	-0.00038	-0.12235	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	MCCLAIN 138KV	470	-0.00032	-0.12275	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MONTGOMERY 161KV	218.3628	0.00017	-0.12324	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	MUSKOGEE 161KV	138	-0.00019	-0.12288	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	MUSKOGEE 345KV	1568	-0.0002	-0.12287	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	MUSTANGS 138KV	160	-0.00033	-0.12274	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	NEARMAN 20KV	235	0.00044	-0.12351	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 138KV	346	-0.0002	-0.12287	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12289	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	OEC 345KV	269	-0.0002	-0.12287	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.123	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.12294	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 161KV	70.32052	0.00044	-0.12351	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 69KV	72	0.00044	-0.12351	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	REBLUD 345KV	150	-0.00031	-0.12276	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 161KV	35	-0.00012	-0.12295	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 69KV	44.73872	-0.00012	-0.12295	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SEMINOLE 138KV	258.8168	-0.0003	-0.12277	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SEMINOLE 345KV	610	-0.0003	-0.12277	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SIBLEY 161KV	230.1012	0.00031	-0.12338	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SIBLEY 69KV	45.99999	0.00033	-0.1234	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SMITH COGEN 138KV	107	-0.00033	-0.12274	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SOONER 138KV	535	-0.00036	-0.12271	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGKE	SOONER 345KV	537	-0.00036	-0.12271	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIFPU	SOUTH HARPER 161KV	308.9866	0.00005	-0.12312	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SOUTH SENECA 115KV	4	-0.00423	-0.11884	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 138KV	59	-0.0		

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

MIDW	Yions 115kV	999	-0.12251	KACP	LACYGNE UNIT 345KV	998	0.00006	-0.12257	10
MIDW	Yions 115kV	999	-0.12251	MIPU	LAKE ROAD 161KV	35	0.00072	-0.12233	10
MIDW	Yions 115kV	999	-0.12251	MIPU	LAKE ROAD 34KV	92	0.00072	-0.12233	10
MIDW	Yions 115kV	999	-0.12251	EMDE	LARUSSEL 161KV	100	-0.00009	-0.12242	10
MIDW	Yions 115kV	999	-0.12251	WERE	LAWRENCE ENERGY CENTER 230KV	232.3485	-0.0021	-0.12041	10
MIDW	Yions 115kV	999	-0.12251	AEPW	LEBROCK 345KV	315	-0.00013	-0.12238	10
MIDW	Yions 115kV	999	-0.12251	KACP	MARSHALL 161KV	15	0.00018	-0.12269	10
MIDW	Yions 115kV	999	-0.12251	OKGE	MCCLAIN 138KV	470	-0.00032	-0.12269	10
MIDW	Yions 115kV	999	-0.12251	KACP	MONTROSE 161KV	218.3628	0.00017	-0.12268	10
MIDW	Yions 115kV	999	-0.12251	OKGE	MUSKOGEE 161KV	138	-0.00019	-0.12232	10
MIDW	Yions 115kV	999	-0.12251	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12231	10
MIDW	Yions 115kV	999	-0.12251	OKGE	MUSTANG 138KV	160	-0.00033	-0.12218	10
MIDW	Yions 115kV	999	-0.12251	KACY	NEARMAN 20KV	235	0.00044	-0.12295	10
MIDW	Yions 115kV	999	-0.12251	AEPW	NORTHEASTERN STATION 138KV	346	-0.0002	-0.12231	10
MIDW	Yions 115kV	999	-0.12251	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12232	10
MIDW	Yions 115kV	999	-0.12251	AEPW	OEC 345KV	269	-0.0002	-0.12231	10
MIDW	Yions 115kV	999	-0.12251	AEPW	OZARK BEACH 161KV	16	-0.00007	-0.12244	10
MIDW	Yions 115kV	999	-0.12251	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.12238	10
MIDW	Yions 115kV	999	-0.12251	KACY	QUINDARO 161KV	70.2035	0.00044	-0.12295	10
MIDW	Yions 115kV	999	-0.12251	KACY	QUINDARO 69KV	72	0.00044	-0.12295	10
MIDW	Yions 115kV	999	-0.12251	OKGE	REDBUD 345KV	150	-0.00031	-0.1222	10
MIDW	Yions 115kV	999	-0.12251	EMDE	RIVERTON 161KV	35	-0.00012	-0.12239	10
MIDW	Yions 115kV	999	-0.12251	EMDE	RIVERTON 69KV	44.73872	-0.00012	-0.12239	10
MIDW	Yions 115kV	999	-0.12251	OKGE	SEMINOLE 138KV	258.8168	-0.0003	-0.12221	10
MIDW	Yions 115kV	999	-0.12251	OKGE	SEMINOLE 345KV	610	-0.0003	-0.12221	10
MIDW	Yions 115kV	999	-0.12251	MIPU	SIBLEY 161KV	230.1012	0.00033	-0.12284	10
MIDW	Yions 115kV	999	-0.12251	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.12284	10
MIDW	Yions 115kV	999	-0.12251	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12218	10
MIDW	Yions 115kV	999	-0.12251	OKGE	SOONER 138KV	535	-0.00036	-0.12215	10
MIDW	Yions 115kV	999	-0.12251	OKGE	SOONER 345KV	537	-0.00036	-0.12215	10
MIDW	Yions 115kV	999	-0.12251	MIPU	SOUTH HARPER 161KV	308.9866	0.00005	-0.12256	10
MIDW	Yions 115kV	999	-0.12251	WERE	SOUTH SENECA 115KV	4	-0.00423	-0.11828	10
MIDW	Yions 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00038	-0.12213	10
MIDW	Yions 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	160	-0.00038	-0.12213	10
MIDW	Yions 115kV	999	-0.12251	EMDE	STATE LINE 161KV	285.6502	-0.00011	-0.1224	10
MIDW	Yions 115kV	999	-0.12251	WERE	TECUMSEH ENERGY CENTER 115KV	138	-0.00582	-0.11669	10
MIDW	Yions 115kV	999	-0.12251	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12208	10
MIDW	Yions 115kV	999	-0.12251	AEPW	WELSH 345KV	1044	-0.00014	-0.12237	10
MIDW	Yions 115kV	999	-0.12251	AEPW	WILKES 138KV	74.3857	-0.00013	-0.12238	10
MIDW	Yions 115kV	999	-0.12251	AEPW	WILKES 345KV	119.1549	-0.00013	-0.12238	10
MIDW	pawnee 115kV	999	-0.0226	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.10399	11
WEPL	A. M. MULLERGREEN GENERATOR 115KV	38	-0.00635	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08774	13
WEPL	CLIFTON 115KV	70	-0.01278	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.09417	13
WERE	TECUMSEH ENERGY CENTER 69KV	411	-0.00837	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08776	13
AEPW	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	14
WERE	CHANUTE 69KV	33.45	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08116	14
WEPL	COMARON RIVER 115KV	72	-0.00244	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08363	14
WERE	CITY OF AUGUSTA 69KV	21.16999	-0.00076	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08215	14
WERE	CITY OF BURLINGTON 69KV	54.7	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	14
WERE	CITY OF ERIE 69KV	24.53	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08116	14
WERE	CITY OF FREDONIA 69KV	10.294	-0.00027	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08166	14
WERE	CITY OF GIRARD 69KV	10.7	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	14
WERE	CITY OF IOLA 69KV	42.878	-0.00017	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08156	14
WERE	CITY OF MULVANE 69KV	10.291	-0.00081	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0822	14
WERE	CITY OF NEODESHA 69KV	6.738	-0.00025	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08164	14
WERE	CITY OF WINNEB 69KV	40	-0.00064	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08203	14
AEPW	COGENTIX 64KV	694	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
AEPW	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	14
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	14
WERE	EVANS ENERGY CENTER 138KV	504.0232	-0.00068	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08207	14
AEPW	FITZHUGH 161KV	150	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	14
AEPW	FULTON 115KV	153	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	14
WERE	GETTY 69KV	35	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
WERE	GILL ENERGY CENTER 138KV	285	-0.00112	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08261	14
WERE	GILL ENERGY CENTER 69KV	118	-0.001	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08239	14
WEPL	HARPER 138KV	13.53	-0.00567	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08706	14
WERE	HOLTON 115KV	13.8	-0.00083	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08222	14
OKGE	HORSHOE LAKE 138KV	796.1289	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08217	14
WEPL	JUDSON LARGE 115KV	34.75648	-0.0041	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08545	14
AEPW	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08165	14
AEPW	KNOXLEE 138KV	320	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
EMDE	LARUSSEL 161KV	188	-0.00009	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08148	14
WERE	LAWRENCE ENERGY CENTER 230KV	36.65148	-0.0021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08349	14
AEPW	LEBROCK 345KV	382	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
AEPW	LIEBERMAN 138KV	272	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
AEPW	LONE STAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08153	14
OKGE	MCCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	14
AEPW	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08157	14
OKGE	MUSKOGEE 161KV	28	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08158	14
OKGE	MUSKOGEE 345KV	17	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	14
OKGE	MUSTANG 138KV	205.5	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	14
OKGE	MUSTANG 69KV	108	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	14
AEPW	NARROWS 69KV	30	-0.00016	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08155	14
AEPW	NORTH MARSHALL 69KV	5	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
AEPW	NORTHEASTERN STATION 138KV	162	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	14
AEPW	NORTHEASTERN STATION 345KV	18.99997	-0.00019	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08158	14
AEPW	OEC 345KV	1878.03	-0.0002	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08159	14
AEPW	PIRKEY GENERATION 138KV	75	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
OKGE	REDBUD 345KV	1050	-0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	14
MIDW	ree 115kV	999	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08116	14
EMDE	RIVERTON 161KV	250	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
EMDE	RIVERTON 69KV	23.26128	-0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08151	14
OKGE	SEMINOLE 138KV	246.1833	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	14
OKGE	SEMINOLE 345KV	419.6	-0.0003	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08169	14
OKGE	SOONER 138KV	45	-0.00036	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08175	14
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	14
WERE	SOUTH SENECA 115KV	12.7	-0.00423	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08562	14
AEPW	SOUTHWESTERN STATION 138KV	379	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	14
AEPW	SOUTHWESTERN STATION 138KV	1017	-0.00038	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08177	14
OKGE	SPOCK12 13.200 345KV	168	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	14
OKGE	SPOCK34 13.200 345KV	168	-0.00033	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08172	14
EMDE	STATE LINE 161KV	320.3498	-0.00011	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.0815	14
WERE	TECUMSEH ENERGY CENTER 115KV	23	-0.00582	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08721	14
OKGE	TINKER 58 138KV	62	-0.00032	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08171	14
AEPW	TONTTOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08154	14
AEPW	TULSA POWER STATION 138KV	307	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08116	14
AEPW	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08116	14
WERE	WACO 138KV	30	-0.00107	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08246	14
AEPW	WELLESKA 138KV	162	-0.00024	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08163	14
AEPW	WILKES 138KV	413.6143	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
AEPW	WILKES 345KV	191.8451	-0.00013	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08152	14
MIPU	ARIES 161KV	595	0.00012	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08127	15
KACP	BULL CREEK 161KV	413	-0.00056	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08083	15
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.00014	WERE	SMOKEY HILLS 34KV	177			

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

MIPU	SIBLEY 161KV	19.89877	0.00031	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08108	15
MIPU	SOUTH HARPER 161KV	6.013359	0.00005	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08134	15
MIPU	TWIA 161KV	32.11	0.00055	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.08084	15
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	177	0.08139	-0.07225	16
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	AES 161KV	320	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	ASBURY 161KV	191	-0.00011	-0.06798	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.06769	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	WERE	CHARLITE 69KV	47.15	-0.0002	-0.06787	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00025	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	COGENTRIX 345KV	200	-0.00021	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIDW	COLBY 115KV	11.48483	0.00323	-0.07162	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	COMANCHE 138KV	45	-0.00038	-0.06771	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	COMANCHE 69KV	60	-0.00038	-0.06771	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	EASTMAN 138KV	355	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	ELK RIVER 345KV	150	-0.00041	-0.06768	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	ELLIS 69KV	6	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	FITZHUGH 161KV	5.99999	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06794	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	FPLWIND2 34KV	16	-0.00041	-0.06768	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACP	HAWTHORN 161KV	455	0.00041	-0.06885	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.00031	-0.06778	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	KNOXLEE 138KV	103	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.06799	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIPU	LAKE ROAD 161KV	95	0.00072	-0.06881	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIPU	LAKE ROAD 34KV	92	0.00072	-0.06881	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	LARUSSEL 161KV	100	-0.00009	-0.068	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	LEBROCK 345KV	315	-0.00013	-0.06786	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACP	MARSHALL 161KV	15	0.00018	-0.06827	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	MCCLAIN 138KV	470	-0.00032	-0.06777	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACP	MONTROSE 161KV	218.3628	0.00017	-0.06826	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	MUSKOGEE 161KV	138	-0.00019	-0.06774	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	MUSTANG 138KV	160	-0.00033	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACY	NEARMAN 20KV	235	0.00044	-0.06853	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	NORTHEASTERN STATION 138KV	346	-0.0002	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.06774	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	OEC 345KV	269	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06802	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACY	QUINDARO 161KV	70.3205	0.00044	-0.06837	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	KACY	QUINDARO 69KV	72	0.00044	-0.06837	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	REDDUB 345KV	150	-0.00031	-0.06778	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	RIVERTON 161KV	35	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	RIVERTON 69KV	44.73872	-0.00012	-0.06797	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	SEMINOLE 138KV	258.8168	-0.0003	-0.06763	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	SEMINOLE 345KV	610	-0.0003	-0.06779	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIPU	SIBLEY 161KV	230.1012	0.00031	-0.0684	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.06842	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	SOONER 138KV	535	-0.00036	-0.06757	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	OKGE	SOONER 345KV	537	-0.00036	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	MIPU	SOUTH HARPER 161KV	308.9866	0.00005	-0.06814	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	59	-0.00038	-0.06771	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	SOUTHWESTERN STATION 338KV	160	-0.00038	-0.06771	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	EMDE	STATE LINE 161KV	285.6028	-0.00012	-0.06782	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.06766	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	WELSH 345KV	1044	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	WILKES 138KV	74.3857	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 115KV	239	-0.06809	AEPW	WILKES 345KV	119.1549	-0.00013	-0.06796	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	AES 161KV	320	-0.00014	-0.06779	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	EMDE	ASBURY 161KV	191	-0.00011	-0.06782	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	CENTENIAL WIND 34KV	16	-0.0004	-0.06763	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	WERE	CHARLITE 69KV	47.15	-0.00021	-0.06772	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	WERE	CITY OF BURLINGTON 69KV	10023.8	-0.00025	-0.06787	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.06788	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	COGENTRIX 345KV	200	-0.00021	-0.06772	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	MIDW	COLBY 115KV	11.48483	0.00323	-0.07166	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	COMANCHE 138KV	45	-0.00038	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	COMANCHE 69KV	60	-0.00038	-0.06755	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	EASTMAN 138KV	355	-0.00013	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	EMDE	ELK RIVER 345KV	150	-0.00041	-0.06752	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	ELLIS 69KV	6	-0.00014	-0.06795	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	FITZHUGH 161KV	5.99999	-0.00012	-0.06781	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06778	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	FPLWIND2 34KV	16	-0.00041	-0.06752	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACP	HAWTHORN 161KV	455	0.00041	-0.06834	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	HORSESHOE LAKE 138KV	63.87012	-0.00031	-0.06762	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06762	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06813	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	KNOXLEE 138KV	103	-0.00013	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.06799	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	MIPU	LAKE ROAD 161KV	95	0.00072	-0.06826	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	MIPU	LAKE ROAD 34KV	92	0.00072	-0.06865	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	EMDE	LARUSSEL 161KV	100	-0.00009	-0.06784	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	LEBROCK 345KV	315	-0.00013	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACP	MARSHALL 161KV	15	0.00018	-0.06811	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	MCCLAIN 138KV	470	-0.00032	-0.06761	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACP	MONTROSE 161KV	218.3628	0.00017	-0.0681	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	MUSKOGEE 161KV	138	-0.00019	-0.06774	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	MUSTANG 138KV	160	-0.00033	-0.06776	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACY	NEARMAN 20KV	235	0.00044	-0.06837	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	NORTHEASTERN STATION 138KV	346	-0.0002	-0.06773	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.06774	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	OEC 345KV	269	-0.0002	-0.06789	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06786	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.0678	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACY	QUINDARO 161KV	70.3205	0.00044	-0.06837	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	KACY	QUINDARO 69KV	72	0.00044	-0.06837	17
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.06793	OKGE	REDDUB 345KV	150	-0.00031	-0.06762	17
WERE	HUTCHINSON ENERGY CENTER 69KV	5							

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

MIDW	KNOLL 115KV	75.924	0.02227	WERE	SMOKEY HILLS 34KV		177	0.08139	-0.05912	20
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 115KV		205	-0.06809	-0.05498	21
MIDW	Wynn 115kv	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 115KV		205	-0.06809	-0.05442	22
MIDW	paanee 115kv	999	-0.0226	WERE	JEFFREY ENERGY CENTER 345KV		940	0.00914	-0.03174	37

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saine 115 KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To-From
 Line Outage: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Flowgate: 2007AG1AFS41795508SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.2	2.6
1222932	1.4	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.44297	6
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.36223	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	AES 161KV	320	-0.00014	-0.36244	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	ASBURY 161KV	191	-0.00011	-0.36847	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.36914	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	CENTENIAL WIND 34KV	6	-0.0004	-0.36818	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	CHANUTE 69KV	50.687	-0.00021	-0.36837	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.36762	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.36833	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.36831	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF MULVANE 69KV	6.739	-0.0008	-0.36778	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.36833	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COGENTRIX 345KV	865	-0.00021	-0.36837	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIDW	COLBY 115KV	13.06413	0.00323	-0.37181	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COMANCHE 138KV	145	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COMANCHE 69KV	60	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	EASTMAN 138KV	355	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.36817	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	ELLIS 69KV	6	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.36862	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.3679	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FITZLUUGH 161KV	120	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.36843	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	FPLWINDZ 34KV	27	-0.0004	-0.36778	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.36746	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.36758	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.3645	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.36853	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	HARDING 161KV	38.84283	0.0001	-0.36922	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	HARPER 138KV	8.49	-0.00567	-0.36291	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	HAWTHORN 161KV	762	0.00041	-0.36899	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HOLTON 115KV	12.2	-0.00083	-0.36775	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	IATAN 115KV	396	0.0015	-0.37008	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.37722	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	JUDSON LARGE 115KV	86.39879	-0.004	-0.36448	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIDW	KNOLL 115KV	41.71775	0.02227	-0.39085	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	KNOXLEE 138KV	62.4253	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.36864	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 161KV	35	0.00072	-0.36973	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 34KV	92	0.0037	-0.3693	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	LARUSSEL 161KV	100	-0.00009	-0.36849	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.36648	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	LEBRUCK 345KV	465	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	MARSHALL 161KV	67	-0.00013	-0.36876	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MCCLEIN 138KV	470	-0.00032	-0.36826	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	MONTROSE 161KV	353.2004	0.00017	-0.36875	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.36839	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSTANG 138KV	278.124	0.00033	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NARROWS 69KV	22	-0.00016	-0.36842	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACY	NEARMAN 20KV	235	0.00044	-0.36902	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	OEC 345KV	369	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.36851	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACY	QUINDARO 161KV	87.82453	0.00044	-0.36923	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	QUINDARO 69KV	72	0.0004	-0.36920	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	REDBUD 345KV	250	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 161KV	66	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 345KV	676	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.36889	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 138KV	635	-0.00034	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 345KV	537	-0.00036	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.36863	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.36435	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	1.75	-0.00038	-0.36862	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SPGK182 13.200 345KV	33.4	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.36847	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.36276	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.36815	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WELSH 345KV	1044	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WILKES 138KV	71.93583	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WILKES 345KV	125	-0.00013	-0.36845	7
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.32656	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.06809	-0.32049	9
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.30065	9
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	COLBY 115KV	13.06413	0.00323	-0.2484	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	IATAN 348KV	396	0.0015	-0.24867	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.25431	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	KNOLL 115KV	41.71775	0.02227	-0.26744	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.23882	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	AES 161KV	320	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	ASBURY 161KV	191	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.24573	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	CENTENIAL WIND 34KV	6	-0.0004	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CHANUTE 69KV	50.687			

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

WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.24531	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HARPER 138KV	8.49	-0.00667	-0.24595	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	HAWTHORN 161KV	762	0.00041	-0.24568	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HOLTON 115KV	12.2	-0.00083	-0.24434	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00002	-0.24537	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JUDSON LAKE 115KV	86.39679	-0.0041	-0.24107	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	KNOXLEE 138KV	62.4263	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.24523	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 161KV	35	0.00072	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 34KV	92	0.00072	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	LARUSSELL 161KV	100	-0.00009	-0.24508	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.24307	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	LEBROCK 345KV	465	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MARSHALL 161KV	15	0.00018	-0.24535	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MCCLAIN 138KV	470	-0.00032	-0.24485	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MONTROSE 161KV	353.2094	0.00017	-0.24534	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.24498	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.24497	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	NARROWS 69KV	22	-0.00016	-0.24501	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	NEARMAN 20KV	235	0.00044	-0.24561	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.24497	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24498	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	OZARK BEACH 161KV	369	-0.0003	-0.24487	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.24511	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	QUINDARO 161KV	87.82453	0.00044	-0.24561	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	QUINDARO 69KV	72	0.00044	-0.24561	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	REDBUD 345KV	250	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	RIVERTON 161KV	66	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.24487	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SEMINOLE 345KV	976	-0.0003	-0.24487	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.24548	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.2455	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SOONER 138KV	535	-0.00036	-0.24481	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SOONER 345KV	537	-0.00036	-0.24481	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.24522	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.24094	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SPGCK182 13.200 345KV	33.4	-0.00033	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.23935	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.24573	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	WELSH 345KV	1044	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	WILKES 138KV	71.93583	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	WILKES 345KV	125	-0.00013	-0.24504	11
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.20446	13
MIDW	Ymons 115kv	999	-0.12251	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.20446	13
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.17708	15
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.17724	15
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.14948	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	KNOLL 115KV	41.71776	0.02227	-0.14534	20
MIDW	Ymons 115kv	999	-0.12251	MIDW	KNOLL 115KV	41.71776	0.02227	-0.14534	20
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	COLBY 115KV	13.06413	0.00323	-0.1263	20
MIDW	Ymons 115kv	999	-0.12251	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13165	20
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.0017	-0.12341	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	AES 161KV	320	-0.00014	-0.12293	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ASBURY 161KV	191	-0.00011	-0.12296	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.12363	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CHANUTE 69KV	50.687	-0.00021	-0.12286	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00037	-0.12238	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.12282	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.12282	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COGENTRIX 345KV	865	-0.00021	-0.12286	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COGENTRIX 138KV	173	-0.00038	-0.12269	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	COMANCHE 69KV	60	-0.00038	-0.12269	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	EASTMAN 138KV	355	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.12266	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EMPIRIA ENERGY CENTER 345KV	145.6387	0.00004	-0.12311	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EVANS ENERGY CENTER 138KV	485	-0.00089	-0.12238	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	FITZHUGH 161KV	120	-0.00012	-0.12295	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.12292	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	FRLWINDZ 34KV	27	-0.0004	-0.12267	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 138KV	155	-0.0012	-0.12195	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12207	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00075	-0.12032	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.12321	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	HAWTHORN 161KV	762	0.00041	-0.12348	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	HOLTON 115KV	12.2	-0.00083	-0.12224	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	IATAN 345KV	396	0.0015	-0.12457	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00002	-0.12327	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	KNOXLEE 138KV	62.4263	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.12313	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 161KV	35	0.00072	-0.12379	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 34KV	35	0.00072	-0.12379	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	LARUSSELL 161KV	100	-0.00009	-0.12298	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.12097	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	LEBROCK 345KV	465	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MARSHALL 161KV	15	0.00018	-0.12325	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MCCLAIN 138KV	470	-0.00032	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MONTROSE 161KV	353.2094	0.00017	-0.12324	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.12288	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.12274	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	NARROWS 69KV	22	-0.		

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

MIDW	Yvons 115kV		999	-0.12251	MIDW	COLBY 115KV		13.06413	0.00323	-0.12574	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	COMANCHE 138KV		145	-0.00038	-0.12213	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	COMANCHE 69KV		80	-0.00328	-0.12213	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	EASTMAN 138KV		355	-0.00013	-0.12238	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	ELK RIVER 345KV		46.01746	-0.00041	-0.1221	21
MIDW	Yvons 115kV		999	-0.12251	WERE	EMPORIA ENERGY CENTER 345KV		145.6387	0.00004	-0.12255	21
MIDW	Yvons 115kV		999	-0.12251	WERE	EVANS ENERGY CENTER 138KV		495	-0.00068	-0.12183	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	FITZLUCH 161KV		16	-0.00031	-0.1222	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	FLUNT CREEK 161KV		400	-0.00015	-0.12236	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	FPLWIND2 34KV		27	-0.0004	-0.12211	21
MIDW	Yvons 115kV		999	-0.12251	WERE	GILL ENERGY CENTER 138KV		155	-0.00112	-0.12139	21
MIDW	Yvons 115kV		999	-0.12251	WERE	GILL ENERGY CENTER 69KV		52	-0.001	-0.121	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	GREENWOOD 161KV		38.84283	0.00014	-0.12265	21
MIDW	Yvons 115kV		999	-0.12251	KACP	HAWTHORN 161KV		762	0.00041	-0.12292	21
MIDW	Yvons 115kV		999	-0.12251	WERE	HOLTON 115KV		12.2	-0.00083	-0.12168	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	HORSESHOE LAKE 138KV		352	-0.00031	-0.1222	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	HORSESHOE LAKE 69KV		16	-0.00031	-0.1222	21
MIDW	Yvons 115kV		999	-0.12251	KACP	IATAN 345KV		396	0.0015	-0.12401	21
MIDW	Yvons 115kV		999	-0.12251	WERE	JEFFREY ENERGY CENTER 230KV		470	0.0002	-0.12271	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	KNOXLEE 138KV		62.4253	-0.00013	-0.12238	21
MIDW	Yvons 115kV		999	-0.12251	KACP	LACYONE UNIT 345KV		958	0.00008	-0.12257	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	LAKE ROAD 161KV		35	0.00072	-0.12303	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	LAKE ROAD 34KV		92	0.00072	-0.12323	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	LARUSSEL 161KV		100	-0.00009	-0.12242	21
MIDW	Yvons 115kV		999	-0.12251	WERE	LAWRENCE ENERGY CENTER 230KV		225.7216	-0.0021	-0.12041	21
MIDW	Yvons 115kV		999	-0.12251	WERE	LEBROCK 345KV		469	-0.00013	-0.12288	21
MIDW	Yvons 115kV		999	-0.12251	KACP	MARSHALL 161KV		15	0.00018	-0.12269	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	MCCLAIN 138KV		470	-0.00032	-0.12219	21
MIDW	Yvons 115kV		999	-0.12251	KACP	MONTROSE 161KV		353.2094	0.00017	-0.12268	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	MUSKOGEE 161KV		161	-0.00019	-0.12232	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	MUSKOGEE 345KV		1548	-0.0002	-0.12231	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	MUSTANG 138KV		278.124	-0.00033	-0.12218	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	NARROWS 69KV		22	-0.00016	-0.12235	21
MIDW	Yvons 115kV		999	-0.12251	KACY	NEARMAN 20KV		235	0.00044	-0.12295	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	NORTHEASTERN STATION 138KV		463	-0.0002	-0.12231	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	NORTHEASTERN STATION 345KV		625	-0.00019	-0.12232	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	OEC 345KV		369	-0.0002	-0.12231	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	OZARK BEACH 161KV		16	-0.00007	-0.12244	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	PIRKEY GENERATOR 138KV		213	-0.00013	-0.12238	21
MIDW	Yvons 115kV		999	-0.12251	KACY	QUINDARO 161KV		87.82453	0.00044	-0.12295	21
MIDW	Yvons 115kV		999	-0.12251	KACY	QUINDARO 69KV		72	0.00044	-0.12295	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	REDBUD 345KV		250	-0.00031	-0.12222	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	RIVERTON 161KV		86	-0.00012	-0.12239	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	RIVERTON 69KV		46.29037	-0.00013	-0.12239	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SEMINOLE 138KV		364.9676	-0.0003	-0.12221	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SEMINOLE 345KV		876	-0.0003	-0.12221	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	SIBLEY 161KV		239.9499	0.00031	-0.12282	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	SIBLEY 69KV		45.99999	0.00033	-0.12282	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SMITH COGEN 138KV		107	-0.00033	-0.12219	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SOONER 138KV		535	-0.00036	-0.12215	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SOONER 345KV		537	-0.00036	-0.12215	21
MIDW	Yvons 115kV		999	-0.12251	MIPU	SOUTH HARPER 161KV		315	0.00005	-0.12296	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV		173	-0.00019	-0.12213	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	SOUTHWESTERN STATION 345KV		469	-0.00038	-0.12213	21
MIDW	Yvons 115kV		999	-0.12251	OKGE	SPGCK1&2 13.200 345KV		33.4	-0.00033	-0.12218	21
MIDW	Yvons 115kV		999	-0.12251	EMDE	STATE LINE 161KV		528.0889	-0.00011	-0.12214	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	WEATHERFORD 34KV		12	-0.00043	-0.12208	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	WELSH 345KV		1044	-0.00001	-0.12231	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	WILKES 138KV		71.93583	-0.00013	-0.12238	21
MIDW	Yvons 115kV		999	-0.12251	AEPW	WILKES 345KV		125	-0.00013	-0.12238	21
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	A. M. MULLERGEN GENERATOR 115KV		63	-0.00635	-0.11672	22
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	GRAY COUNTY WIND FARM 115KV		36	-0.00408	-0.11699	22
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	HARPER 138KV		8.49	-0.00567	-0.1174	22
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	JUDSON LARGE 115KV		86.38679	-0.0041	-0.11897	22
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	SOUTH SENECA 115KV		8.5	-0.00423	-0.11884	22
WERE	BPU - CITY OF MCPHERSON 115KV		232	-0.12307	WERE	TECUMSEH ENERGY CENTER 115KV		133	-0.00582	-0.11725	22
WERE	Yvons 115kV		999	-0.12251	WERE	A. M. MULLERGEN GENERATOR 115KV		63	-0.00635	-0.11672	22
MIDW	Yvons 115kV		999	-0.12251	WERE	GRAY COUNTY WIND FARM 115KV		36	-0.00408	-0.11843	22
MIDW	Yvons 115kV		999	-0.12251	WERE	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV		22.98018	-0.00275	-0.11976	22
MIDW	Yvons 115kV		999	-0.12251	WERE	HARPER 138KV		8.49	-0.00567	-0.11684	22
MIDW	Yvons 115kV		999	-0.12251	WERE	JUDSON LARGE 115KV		86.38679	-0.0041	-0.11841	22
MIDW	Yvons 115kV		999	-0.12251	WERE	SOUTH SENECA 115KV		8.5	-0.00423	-0.11828	22
MIDW	Yvons 115kV		999	-0.12251	WERE	TECUMSEH ENERGY CENTER 115KV		133	-0.00582	-0.11669	22
MIDW	Yvons 115kV		999	-0.12251	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.10399	25
WERE	CLIFTON 115KV		70	-0.01278	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.09417	27
WERE	HUTCHINSON ENERGY CENTER 115KV		169	-0.06809	MIDW	KNOLL 115KV		41.71775	0.02227	-0.09306	29
WERE	TECUMSEH ENERGY CENTER 69KV		41	-0.00637	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08776	29
WERE	JUDSON LARGE 115KV		16.61321	-0.0041	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08549	30
WERE	TECUMSEH ENERGY CENTER 115KV		28	-0.00582	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08721	30
WERE	COMARRON RIVER 115KV		72	-0.00244	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08363	31
WERE	CITY OF AUGUSTA 69KV		17.94	-0.00076	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08215	31
WERE	CITY OF WINFIELD 69KV		40	-0.00064	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08203	31
WERE	EVANS ENERGY CENTER 138KV		88	-0.00068	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08207	31
WERE	GETTY 69KV		35	-0.00083	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08222	31
WERE	GILL ENERGY CENTER 138KV		84.99999	-0.00112	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08251	31
WERE	GILL ENERGY CENTER 69KV		48	-0.001	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08239	31
WERE	LAWRENCE ENERGY CENTER 230KV		43.27841	-0.0021	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08349	31
WERE	WACO 138KV		30	-0.00107	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08246	31
MIPU	ANIES 161KV		589	0.00012	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08127	32
AEPW	ARSENAL HILL 69KV		110	-0.00012	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08151	32
EMDE	ASBURY 161KV		20	-0.00011	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.0815	32
KACP	BULL CREEK 161KV		202.5804	0.00056	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08083	32
WERE	CHANUTE 69KV		29.913	-0.00021	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.0816	32
WERE	CITY OF BURLINGSTON 69KV		16.39	-0.00025	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08164	32
WERE	CITY OF ERIE 69KV		24.53	-0.00021	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.0816	32
KACP	CITY OF HIGGINSVILLE 69KV		36	0.00021	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08118	32
WERE	CITY OF IOLA 69KV		42.878	-0.00017	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08156	32
AEPW	COCKENRIF 345KV		261.4	-0.00021	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08122	32
AEPW	COMANCHE 138KV		15	-0.00038	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08177	32
AEPW	EASTMAN 138KV		130.01	-0.00013	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08152	32
AEPW	ELLIS 69KV		20	-0.00014	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08153	32
WERE	EMPORIA ENERGY CENTER 345KV		287.2613	0.00004	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08135	32
AEPW	FLUNT CREEK 161KV		28	-0.00015	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08154	32
AEPW	FULTON 115KV		153	-0.00011	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.0815	32
KACP	GARDNER 161KV		11	0.00054	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08085	32
MIPU	GREENWOOD 161KV		214.9572	0.00014	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08125	32
KACP	HAWTHORN 161KV		38	0.00041	WERE	SMOKEY HILLS 34KV		76	0.08139	-0.08098	32
OKGE	HORSESHOE LAKE 138KV		508	-0.00031	WERE	SMOKEY HILLS 34KV					

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

EMDE	RIVERTON 161KV	219	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
EMDE	RIVERTON 69KV	21.71062	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
OKGE	SEMINOLE 138KV	140.0324	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
OKGE	SEMINOLE 345KV	153.6	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
MIPU	SIBLEY 161KV	19.05008	0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08108	32
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00039	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEPW	SOUTHWESTERN STATION 138KV	265	-0.00039	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEPW	SOUTHWESTERN STATION 138KV	603	-0.00039	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
OKGE	SPGCK1&2 13.200 345KV	44.6	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
OKGE	SPGCK3&4 13.200 345KV	168	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
EMDE	STATE LINE 161KV	77.91113	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
OKGE	TINKER 55 138KV	63	-0.00032	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
AEPW	TONTITOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08154	32
AEPW	TULSA POWER STATION 138KV	307	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
AEPW	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
MIPU	TWLA 161KV	32.1	0.00055	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08064	32
AEPW	WELLESKA 138KV	163	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08163	32
AEPW	WILKES 138KV	416.0642	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEPW	WILKES 345KV	186	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
MIDW	COLBY 115KV	11.93587	0.00323	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.07816	33
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.07723	33
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIDW	COLBY 115KV	13.06413	0.00323	-0.07132	36
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.07225	36
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	IATAN 345KV	396	0.0015	-0.06959	37
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	AES 161KV	320	-0.00014	-0.06795	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	ASBURY 161KV	191	-0.00011	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.06865	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	CHANUTE 69KV	50.687	-0.00021	-0.06788	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.06733	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.06784	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.06784	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	COGENTRIX 345KV	865	-0.00021	-0.06788	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	COMANCHE 138KV	145	-0.00038	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	COMANCHE 69KV	60	-0.00038	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	EASTMAN 138KV	355	-0.00013	-0.06776	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.06768	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.06813	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	EVANS ENERGY CENTER 138KV	495	-0.00068	-0.06741	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	FITZSHUGH 161KV	120	-0.00012	-0.06789	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.06794	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	FPLWND2 34KV	27	-0.0004	-0.06769	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.06823	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	HAWTHORN 161KV	762	0.00041	-0.06895	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	HORSESHOE LAKE 138KV	352	-0.00032	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	KNOXLEE 138KV	62.4253	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	LACYONE UNIT 345KV	958	0.00029	-0.06819	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	LAKE ROAD 161KV	35	0.00072	-0.06881	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	LAKE ROAD 34KV	92	0.00072	-0.06881	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	LARUSSELL 161KV	100	-0.00009	-0.068	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	LEBROCK 345KV	465	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	MARSHALL 161KV	170	-0.00018	-0.06827	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	MCCLELLAN 138KV	470	-0.00032	-0.06777	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	MONTROSE 161KV	353.2004	0.00017	-0.06826	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.0679	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.06789	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.06776	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	NARROWS 69KV	22	-0.00016	-0.06793	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACY	NEARMAN 20KV	235	0.00044	-0.06853	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.06789	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.0679	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	OEC 345KV	369	-0.0002	-0.06789	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.06802	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	PIRKEE GENERATION 138KV	213	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	QUINDARO 161KV	87.82453	0.00044	-0.06853	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACY	QUINDARO 69KV	72	0.00044	-0.06853	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	REDDUB 345KV	260	-0.00031	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	RIVERTON 161KV	66	-0.00012	-0.06797	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.06797	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SEMINOLE 345KV	676	-0.0003	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.0684	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.06842	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.06776	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SOONER 138KV	535	-0.00036	-0.06773	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SOONER 345KV	537	-0.00036	-0.06773	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.06814	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	SOUTHWESTERN STATION 138KV	120	-0.00032	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.00033	-0.06776	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.06798	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	WELSH 345KV	1044	-0.00014	-0.06795	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	WILKES 138KV	71.93853	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEPW	WILKES 345KV	120	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.06697	39
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.06709	39
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.06599	39
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	GRAY COUNTY WIND FARM 115KV	3.19	-0.00027	-0.36831	40
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.06534	40
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WEPL	JUDSON LARGE 115KV	86.38679	-0.0041	-0.06399	40
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.06227	41
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.06174	42
MIDW	KNOLL 115KV	34.20625	0.02227	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08163	44
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.05498	47
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05514	47
MIDW	Byrne 115KV	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.05442	47
MIDW	Byrne 115KV	999	-0.12251	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05458	47
MIDW	Byrne 115KV	999	-0.12251	MIDW	KNOLL 115KV	41.71775	0.02227	-0.04487	58
WEPL	CLIFTON 115KV	70	-0.01278	MIDW	KNOLL 115KV	41.71775	0.02227	-0.03505	74
MIDW	Byrne 115KV	999	-0.0226	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.03174	81

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

Factor = Source GSF / Sink GSF

Redispatch Amount = Relief Amount / Factor

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.36817	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	ELLIS 69KV	6	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	EMPIORA ENERGY CENTER 345KV	145.63387	0.00004	-0.36862	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.3679	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FITZHUGH 161KV	120	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.36843	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	FPLWIND2 34KV	27	-0.0004	-0.36818	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.3679	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.36758	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.3645	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.36583	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	GREENWOOD 161KV	38.84265	0.00014	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	HARPER 138KV	8.49	-0.00567	-0.36291	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	HAWTHORN 161KV	762	0.00041	-0.36899	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HOLTON 115KV	12.2	-0.00083	-0.36775	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	IATAN 345KV	396	0.0015	-0.37008	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	440	0.00014	-0.3772	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WEPL	JUDSON LARGE 115KV	86.38679	-0.0041	-0.36448	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIDW	KNOLL 115KV	41.71775	0.02227	-0.35985	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	KNOXLEE 138KV	62.4253	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.36864	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 161KV	35	0.00072	-0.3693	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 34KV	92	0.00072	-0.3693	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	LARUSSEL 161KV	100	-0.00009	-0.36849	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.36648	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	LEBROCK 345KV	465	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	MARSHALL 161KV	15	0.00018	-0.36876	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MCCLAIN 138KV	470	-0.00032	-0.36826	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	MONTROSE 161KV	353.2094	0.00017	-0.36875	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.36839	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NARROWS 69KV	22	-0.00016	-0.36842	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACY	NEARMAN 20KV	235	0.00044	-0.36902	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	DEC 345KV	369	-0.0002	-0.36838	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.36851	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	PIRKEY GENERATION 138KV	213	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	QUINDARO 161KV	87.82453	0.00044	-0.36903	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACP	QUINDARO 69KV	72	0.0004	-0.36903	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	REDBUD 345KV	250	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 161KV	66	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 138KV	364.3676	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 345KV	876	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.36889	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 138KV	535	-0.00036	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 345KV	537	-0.00036	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.36863	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.36435	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SPGK182 13.200 345KV	33.4	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	STATE LINE 161KV	528.0890	-0.00011	-0.36847	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.36276	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WEATHERFORD 34KV	15	-0.0004	-0.36815	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WELSH 345KV	1044	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WILKES 138KV	71.93583	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEPW	WILKES 345KV	125	-0.00013	-0.36845	7
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.32656	8
WERE	CLAY CENTER JUNCTION 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.08802	-0.32643	8
WERE	CLAY CENTER JUNCTION 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.30065	9
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	COLBY 115KV	13.06413	0.00323	-0.2484	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	IATAN 345KV	396	0.0015	-0.24667	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 345KV	440	0.00014	-0.24667	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	KNOLL 115KV	41.71775	0.02227	-0.26744	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.23882	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	AES 161KV	320	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	ASBURY 161KV	191	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	BULL CREEK 161KV	210.4118	0.00036	-0.24573	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	CENTENIAL WIND 34KV	6	-0.0004	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CHANUTE 69KV	50.687	-0.00021	-0.24496	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.24441	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.0002	-0.24497	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF MULVANE 69KV	6.739	-0.0008	-0.24437	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.24492	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	COGENTRIX 345KV	865	-0.00021	-0.24496	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	COMANCHE 138KV	145	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	COMANCHE 69KV	60	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	EASTMAN 138KV	355	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.24476	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	ELLIS 69KV	6	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	EMPIORA ENERGY CENTER 345KV	145.63387	0.00004	-0.24521	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.24449	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	FITZHUGH 161KV	120	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.24502	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	FPLWIND2 34KV	27	-0.0004	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.24109	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.24242	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	GREENWOOD 161KV	38.84265	0.00014	-0.24531	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WEPL	HARPER 138KV	8.49	-0.00567	-0.2385	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	HAWTHORN 161KV	762	0.00041	-0.24558	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HOLTON 115KV	12.2	-0.00083	-0.24434	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.24537	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WEPL	JUDSON LARGE 115KV	86.38679	-0.0041	-0.24107	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	KNOXLEE 138KV	62.4253	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.24523	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 161KV	35	0.00072	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 34KV	92	0.00072	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	LARUSSEL 161KV	100	-0.00009	-0.24508	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.24307	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEPW	LEBROCK 345KV	465	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MARSHALL 161KV	15	0.00018	-0.24535	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MCCLAIN 138KV	470	-0.00032	-0.24485	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MONTROSE 161KV	353.2094	0.00017	-0.24534	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSKOGEE 161KV	161	-0.00019	-	

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

WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.24094	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	SOUTHWESTERN STATION 138KV	173	-0.00388	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	SOUTHWESTERN STATION 138KV	459	-0.00388	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SPGCK182 13.200 345KV	33.4	-0.00333	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.23935	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	WEATHERFORD 34KV	12	-0.00043	-0.24474	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	WELSH 345KV	1044	-0.00014	-0.24293	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	WILKES 138KV	71.93583	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	WILKES 345KV	125	-0.00013	-0.24504	11
MIDW	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.20446	13
WERE	CLAY CENTER JUNCTION 115KV	999	-0.12251	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.20446	13
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.17708	15
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.17724	15
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.14948	17
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	KNOLL 115KV	41.71775	0.02227	-0.14534	18
MIDW	YIONS 115KV	999	-0.12251	MIDW	KNOLL 115KV	41.71775	0.02227	-0.14478	18
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIDW	COLBY 115KV	13.06413	0.00323	-0.1263	20
MIDW	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13221	20
MIDW	YIONS 115KV	999	-0.12251	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.13165	20
WERE	ABLENE ENERGY CENTER 115KV	68	-0.36858	WERE	CLAY CENTER JUNCTION 115KV	11.2	-0.24517	-0.12341	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	AES 161KV	320	-0.00014	-0.12293	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ASBURY 161KV	191	-0.00011	-0.12296	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.12363	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CHANUTE 69KV	50.687	-0.00021	-0.12286	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00078	-0.12234	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.12282	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.12282	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	COGENTRIX 345KV	865	-0.00021	-0.12286	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	COMANCHE 138KV	145	-0.00038	-0.12269	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	COMANCHE 69KV	60	-0.00038	-0.12269	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	EASTMAN 138KV	355	-0.00013	-0.12294	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.12266	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.12311	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.12183	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	FITZLUUGH 161KV	120	-0.00012	-0.12295	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	FLINT CREEK 161KV	400	-0.00015	-0.12292	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	FRLWIND2 34KV	27	-0.0004	-0.12267	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12195	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12151	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00075	-0.12032	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.12281	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	HAWTHORN 161KV	762	0.00041	-0.12348	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HOLTON 115KV	11.2	-0.00083	-0.12168	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.12276	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	IATAN 345KV	396	0.0015	-0.12457	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 230KV	62.42599	-0.00013	-0.12284	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	KNOXLEE 138KV	62.42599	-0.00013	-0.12284	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	LACYGNE UNIT 345KV	968	0.00006	-0.12313	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 161KV	35	0.00072	-0.12379	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 34KV	92	0.00072	-0.12379	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	LARUSSEL 161KV	109	-0.00039	-0.12298	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00021	-0.12097	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	LEBROCK 345KV	465	-0.00013	-0.12294	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MARSHALL 161KV	15	0.00018	-0.12325	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MCCLAIN 138KV	470	-0.00032	-0.12275	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MONTCROE 161KV	353.2094	0.00017	-0.12231	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.12288	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.12274	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	NARROWS 69KV	22	-0.00016	-0.12291	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	NEARMAN 20KV	235	0.00044	-0.12351	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	NORTHEASTERN STATION 138KV	440	-0.0002	-0.12287	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12288	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	OEC 345KV	369	-0.0002	-0.12271	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.12183	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	PIRKY GENERATION 138KV	213	-0.00013	-0.12294	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 161KV	87.82453	0.00044	-0.12351	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 69KV	72	0.00044	-0.12351	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	REBUD 345KV	226	-0.00038	-0.12276	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 161KV	66	-0.00012	-0.12268	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.12295	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.12277	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 345KV	676	-0.0003	-0.12277	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SIBLEY 161KV	230.94999	-0.00013	-0.12338	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.1234	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12274	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOOMER 138KV	535	-0.00036	-0.12271	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOOMER 345KV	537	-0.00036	-0.12271	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.12312	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.12269	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	SOUTHWESTERN STATION 138KV	459	-0.00038	-0.12269	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK182 13.200 345KV	33.4	-0.00333	-0.12274	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	STATE LINE 161KV	528.0889	-0.00011	-0.12296	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	WEATHERFORD 34KV	12	-0.00043	-0.12264	21
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	WELSH 345KV	1044	-0.00014	-0.12293	21
MIDW	BPJ - CITY OF MCPHERSON 115KV	232	-0.12307	AEWP	WILKES 138KV	71.93583	-0.00013	-0.12294	21
MIDW	YIONS 115KV	999	-0.12251	OKGE	WILKES 345KV	125	-0.00013	-0.12294	21
MIDW	YIONS 115KV	999	-0.12251	EMDE	ASBURY 161KV	191	-0.00011	-0.1224	21
MIDW	YIONS 115KV	999	-0.12251	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.12307	21
MIDW	YIONS 115KV	999	-0.12251	WERE	CHANUTE 69KV	50.687	-0.00021	-0.12223	21
MIDW	YIONS 115KV	999	-0.12251	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00078	-0.12175	21
MIDW	YIONS 115KV	999	-0.12251	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.12226	21
MIDW	YIONS 115KV	999	-0.12251	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.12226	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	COGENTRIX 345KV	865	-0.00021	-0.12223	21
MIDW	YIONS 115KV	999	-0.12251	MIDW	COLBY 115KV	13.06413	0.00323	-0.12323	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	COMANCHE 138KV	145	-0.00038	-0.12213	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	COMANCHE 69KV	60	-0.00038	-0.12213	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	EASTMAN 138KV	355	-0.00013	-0.12238	21
MIDW	YIONS 115KV	999	-0.12251	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.12221	21
MIDW	YIONS 115KV	999	-0.12251	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.12255	21
MIDW	YIONS 115KV	999	-0.12251	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.12183	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	FITZLUUGH 161KV	120	-0.00012	-0.12239	21
MIDW	YIONS 115KV	999	-0.12251	AEWP	FLINT CREEK 161KV	400	-0.00015	-0.12236	21
MIDW	YIONS 115KV	999	-0.12251	OKGE	FRLWIND2 34KV	27	-0.0004	-0.12274	21
MIDW	YIONS 115KV	999	-0.12251	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.12198	21
MIDW	YIONS 115KV	999	-0.12251	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12151	21
MIDW	YIONS 115KV	999	-0.12251	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.12265	21
MIDW	YIONS 115KV	999	-0.12251	KACP	HAWTHORN 161KV	762	0.00041	-0.12292	21
MIDW	YIONS 115KV	999	-0.12251	WERE	HOLTON 115KV	11.2	-0.00083	-0.12168	21
MIDW	YIONS 115KV	999	-0.12251	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.1222	21
MIDW	YIONS 115KV	999	-0.12251	OKGE	HORSESHOE LAKE 69KV	16			

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

MIDW	Yvons 115kV	999	-0.12251	OKGGE	REBUD 345KV	250	-0.00031	-0.1222	21
MIDW	Yvons 115kV	999	-0.12251	EMDE	RIVERTON 161KV	86	-0.00012	-0.12239	21
MIDW	Yvons 115kV	999	-0.12251	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.12239	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SEMINOLE 138KV	364.9676	-0.0003	-0.12221	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SEMINOLE 345KV	876	-0.0003	-0.12221	21
MIDW	Yvons 115kV	999	-0.12251	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.12282	21
MIDW	Yvons 115kV	999	-0.12251	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.12284	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SMITH COGEN 138KV	107	-0.00033	-0.12218	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SOONER 138KV	535	-0.00036	-0.12215	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SOONER 345KV	537	-0.00036	-0.12215	21
MIDW	Yvons 115kV	999	-0.12251	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.12296	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.12237	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00038	-0.12213	21
MIDW	Yvons 115kV	999	-0.12251	OKGGE	SPGCK1&2 13.200 345KV	33.4	-0.00033	-0.12218	21
MIDW	Yvons 115kV	999	-0.12251	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.1224	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12208	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	WELSH 345KV	1044	-0.00014	-0.12237	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	WILKES 138KV	71.93683	-0.00013	-0.12238	21
MIDW	Yvons 115kV	999	-0.12251	AEPW	WILKES 345KV	125	-0.00013	-0.12238	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.00635	-0.11672	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.11699	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	HARPER 138KV	8.49	-0.00567	-0.1174	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WEPL	JUDSON LARGE 115KV	86.38679	-0.0041	-0.11897	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.11884	22
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11725	22
MIDW	Yvons 115kV	999	-0.12251	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.0227	-0.0938	22
MIDW	Yvons 115kV	999	-0.12251	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.11843	22
MIDW	Yvons 115kV	999	-0.12251	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.11978	22
MIDW	Yvons 115kV	999	-0.12251	WEPL	HARPER 138KV	8.49	-0.00567	-0.11684	22
MIDW	Yvons 115kV	999	-0.12251	WEPL	JUDSON LARGE 115KV	86.38679	-0.0041	-0.11841	22
MIDW	Yvons 115kV	999	-0.12251	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.11828	22
MIDW	Yvons 115kV	999	-0.12251	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.11669	22
MIDW	Yvons 115kV	999	-0.0226	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.10399	25
WEPL	CLIFTON 115KV	70	-0.01278	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.09417	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIDW	KNOLL 115KV	41.71776	0.0227	-0.0938	29
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00637	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08776	27
WEPL	JUDSON LARGE 115KV	16.61321	-0.0041	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08549	30
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00582	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08721	30
WEPL	COMARRON RIVER 115KV	73	-0.00244	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08383	31
WERE	CITY OF AUGUSTA 69KV	17.94	-0.00076	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08215	31
WERE	CITY OF WINFIELD 69KV	40	-0.00064	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08203	31
WERE	EVANS ENERGY CENTER 138KV	88	-0.00068	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08207	31
WERE	GETTY 69KV	35	-0.00083	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08222	31
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00112	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08251	31
WERE	GILL ENERGY CENTER 69KV	48	-0.001	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08239	31
WERE	LAWRENCE ENERGY CENTER 230KV	43.27841	-0.0021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08349	31
WERE	WACO 138KV	30	-0.00107	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08246	31
MIPU	BAKES 161KV	589	-0.00072	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08127	32
AEPW	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0815	32
KACP	BULL CREEK 161KV	202.5894	0.00056	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08083	32
WERE	CHANUTE 69KV	29.913	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
WERE	CITY OF BURLINGSTON 69KV	16.38	-0.00025	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08164	32
WERE	CITY OF ERIE 69KV	24.53	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08118	32
WERE	CITY OF JOLA 69KV	42.878	-0.00017	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08156	32
AEPW	COGENTRIX 345KV	261.4	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
AEPW	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08	32
AEPW	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEPW	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08153	32
AEPW	EMPORIA ENERGY CENTER 345KV	287.3613	0.00004	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08135	32
AEPW	FLINT CREEK 161KV	28	-0.00015	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08154	32
AEPW	FULTON 115KV	153	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0815	32
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08085	32
MIPU	GREENWOOD 161KV	214.9572	0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08125	32
KACP	HAWTHORN 161KV	38	0.00041	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08098	32
KACP	HORSeshoe LAKE 138KV	508	-0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08131	32
WERE	JEFFREY ENERGY CENTER 230KV	24	0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08119	32
KACY	KAW 69KV	242	0.00045	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08094	32
AEPW	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08165	32
AEPW	KNOXLEE 138KV	360.5747	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
MIPU	LAKE ROAD 161KV	91	0.00072	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08067	32
EMDE	LARUSSEL 161KV	196	-0.00009	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08148	32
AEPW	LEBROCK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEPW	LIEBERMAN 138KV	272	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
AEPW	LONGSTAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08153	32
KACP	MARSHALL 161KV	39.1	0.00018	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08121	32
OKGGE	MCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
AEPW	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
KACP	MONTROSS 161KV	27.79062	0.00017	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08122	32
OKGGE	MUSKOGEE 345KV	11	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
OKGGE	MUSTANG 138KV	87.37598	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
OKGGE	MUSTANG 69KV	106	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
KACY	NEARMAN 161KV	80	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
MIPU	NEVADA 69KV	20.3	-0.00008	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08131	32
KACP	NORTHEAST 13KV	277	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
KACP	NORTHEAST 161KV	277	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
AEPW	NORTHEASTERN STATION 138KV	67.99997	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.00019	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08158	32
AEPW	DEC 345KV	1778.03	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08125	32
AEPW	PIRKEY GENERATION 138KV	76	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
KACP	QUINDARO 161KV	149.1755	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
KACY	QUINDARO 69KV	105	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
MIPU	RALPH GREEN 69KV	73.7	0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08127	32
OKGGE	REBUD 345KV	950	-0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0817	32
MIDW	ree 115KV	999	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
EMDE	RIVERTON 161KV	219	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
EMDE	RIVERTON 69KV	21.71062	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
OKGGE	SEMINOLE 138KV	140.0324	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
MIPU	SEMINOLE 345KV	153.6	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
OKGGE	SIBLEY 161KV	19.05008	0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08108	32
OKGGE	SOUTH 4TH ST 69KV	42.7	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEPW	SOUTHWESTERN STATION 138KV	265	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEPW	SOUTHWESTERN STATION 138KV	603	-0.00038	WERE	SMOKEY HILLS 34KV	76			

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

Source	Sink	Source GSF	Sink GSF	Maximum Decrement (MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU GREENWOOD 161KV	38.84283	0.00014	-0.06823	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACP HAWTHORN 161KV	762	0.00041	-0.06885	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE HORSESHOE LAKE 138KV	352	-0.00031	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW KNOWLEE 138KV	62.4253	-0.00013	-0.06796	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACP LACYONE UNIT 345KV	958	0.00086	-0.06815	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU LAKE ROAD 161KV	35	0.00072	-0.06881	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU LAKE ROAD 34KV	92	0.00072	-0.06881	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 EMDE LARUSSELL 161KV	100	-0.00009	-0.068	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW LEBROCK 345KV	465	-0.00013	-0.06796	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACP MARSHALL 161KV	15	0.00018	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE MCCLAIN 138KV	470	-0.00032	-0.06777	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACP MONTROSE 161KV	353.20094	0.00017	-0.06826	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE MUSKOGEE 161KV	161	-0.00019	-0.0679	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE MUSKOGEE 345KV	1548	-0.0002	-0.06769	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE MUSTANG 138KV	278.124	-0.00033	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW NARROWS 69KV	22	-0.00016	-0.06793	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACY NEARMAN 20KV	235	0.00044	-0.06853	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW NORTHEASTERN STATION 138KV	440	-0.0002	-0.06789	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW NORTHEASTERN STATION 345KV	625	-0.00019	-0.0679	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW OEC 345KV	369	-0.0002	-0.06769	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 EMDE OZARK BEACH 161KV	16	-0.00007	-0.06802	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW PIRKEYE GENERATOR 138KV	213	-0.00013	-0.06796	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACY QUINDARO 161KV	87.82453	0.00044	-0.06853	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACY QUINDARO 69KV	72	0.00044	-0.06853	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE REDBUD 345KV	250	-0.00031	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 EMDE RIVERTON 161KV	66	-0.00012	-0.06797	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 EMDE RIVERTON 69KV	46.28937	-0.00012	-0.06797	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SEMINOLE 138KV	364.9676	-0.0003	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SEMINOLE 345KV	676	-0.0003	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU SIBLEY 161KV	230.9499	0.00031	-0.0684	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU SIBLEY 69KV	45.99999	0.00033	-0.06842	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SMITH COGEN 138KV	107	-0.00033	-0.06776	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SOONER 138KV	535	0.00036	-0.06773	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SOONER 345KV	537	-0.00036	-0.06773	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 MIPU SOUTH HARPER 161KV	315	0.00005	-0.06814	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW SOUTHWESTERN STATION 138KV	173	-0.00038	-0.06771	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW SOUTHWESTERN STATION 345KV	459	-0.00038	-0.06771	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 OKGE SPGK182 13.200 345KV	33.4	-0.00033	-0.06778	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 EMDE STATE LINE 161KV	528.0889	-0.00011	-0.06798	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW WELSH 345KV	1044	-0.00014	-0.06795	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW WILKES 138KV	71.93853	-0.00013	-0.06796	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 AEPW WILKES 345KV	75	-0.00013	-0.06796	38		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE GILL ENERGY CENTER 138KV	155	-0.00112	-0.06697	39		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE GILL ENERGY CENTER 69KV	52	-0.001	-0.06709	39		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.06599	39		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE GRAY COUNTY WIND FARM 115KV	36	-0.00488	-0.06401	40		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 KACP GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.06534	40		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WELP JUDSON LARGE 115KV	86.39679	-0.0041	-0.06399	40		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WERE TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.06227	41		
WERE HUTCHINSON ENERGY CENTER 115KV	169 -0.06809 WELP A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.06174	42		
MIDW KNOLL 115KV	34.20625 0.02227 WERE SMOKEY HILLS 34KV	76	0.0139	-0.05812	44		
WERE BPU - CITY OF MCPHERSON 115KV	232 -0.12307 WERE HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.05498	47		
WERE BPU - CITY OF MCPHERSON 115KV	232 -0.12307 WERE HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05514	47		
MIDW Lyons 115KV	999 -0.12251 WERE HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.05442	47		
MIDW Lyons 115KV	999 -0.12251 WERE HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.05498	47		
MIDW pawnee 115KV	999 -0.0226 MIDW KNOLL 115KV	41.71775	0.02227	-0.03505	74		
WELP CLIFTON 115KV	70 -0.01278 MIDW KNOLL 115KV	41.71775	0.02227	-0.03505	74		
MIDW pawnee 115KV	999 -0.0226 WERE JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.03174	81		

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

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

Upgrade: Summit - NE Saline 115 KV
Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Flowgate: 2007 AFS-41180568SH
Date Redispatch Needed: 6/1 - 10/1 Unavail
Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.2	2.6
1222932	1.4	2.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	SMOKEY HILLS 34KV	76	0.0139	-0.44997	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WELP	A. M. MULLERGEREN GENERATOR 115KV	63	-0.00635	-0.36223	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	OKGE	AES 161KV	320	-0.00014	-0.36844	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	EMDE	ASBURY 161KV	191	-0.00011	-0.36847	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.36914	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	OKGE	CENTRAL WIND 34KV	6	-0.0004	-0.36918	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CHANUTE 69KV	50.687	-0.00021	-0.36837	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.36762	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.36833	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF FREDONIA 69KV	3.19	-0.00027	-0.36831	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF GIRARD 69KV	3.6	-0.00014	-0.36844	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	CITY OF MULVANE 69KV	6.739	-0.0008	-0.36778	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.36833	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COGENTRIX 345KV	865	-0.00021	-0.36837	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	MIDW	COLBY 115KV	13.06413	0.0323	-0.37181	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COMANCHE 138KV	145	-0.00038	-0.3682	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	COMANCHE 69KV	60	-0.00038	-0.3682	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	EASTMAN 138KV	355	-0.00013	-0.36845	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.36817	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	ELLIS 69KV	6	-0.00014	-0.36844	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.36862	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.3679	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FITZHUGH 161KV	120	-0.00012	-0.36846	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.36843	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	OKGE	FPLWIND2 34KV	27	-0.0004	-0.36818	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 138KV	155	-0.00112	-0.36746	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.36758	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WELP	GRAY COUNTY WIND FARM 115KV	36	-0.00488	-0.3645	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.36563	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.36872	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WELP	HARPER 138KV	8.49	-0.00567	-0.36291	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	KACP	HAWTHORN 161KV	762	0.00041	-0.36899	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	HOLTON 115KV	11.2	-0.00083	-0.36775	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.36827	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.36827	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	KACP	IATAN 345KV	396	0.0015	-0.37008	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.36878	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WERE	JEFFREY ENERGY CENTER 345KV	625	-0.00019	-0.37172	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	WELP	JUDSON LARGE 115KV	86.39679	-0.0041	-0.36448	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	MIDW	KNOLL 115KV	41.71775	0.02227	-0.39085	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	AEPW	KNOWLEE 138KV	62.4253	-0.00013	-0.36845	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	KACP	LACYONE UNIT 345KV	958	0.00086	-0.36864	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 161KV	35	0.00072	-0.3693	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.36858	MIPU	LAKE ROAD 34KV	92	0		

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	PIRKER GENERATION 138KV	213	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACY	QUINDARO 161KV	87.82453	0.00044	-0.36902	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	KACY	QUINDARO 69KV	73	0.00044	-0.36902	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	REDDUB 345KV	250	-0.00031	-0.36827	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 161KV	66	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.36846	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SEMINOLE 345KV	876	-0.0003	-0.36828	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.36889	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.36891	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 138KV	535	-0.00036	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SOONER 345KV	537	-0.00036	-0.36822	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.36863	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.36435	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	SOUTHWESTERN STATION 138KV	459	-0.00038	-0.3682	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.00033	-0.36825	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.36847	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00582	-0.36276	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	WEATHERFORD 34KV	12	-0.00043	-0.36515	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	WELSH 345KV	1044	-0.00014	-0.36844	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	WILKES 138KV	71.93583	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	AEWP	WILKES 345KV	125	-0.00013	-0.36845	7
WERE	ABLENE ENERGY CENTER 115KV	17.5	-0.24517	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.23039	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.06809	-0.24479	9
WERE	ABLENE ENERGY CENTER 115KV	66	-0.36858	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.06793	-0.30065	9
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	COLBY 115KV	13.06413	0.00323	-0.2484	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	IATAN 345KV	396	0.0015	-0.24667	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00014	-0.25421	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIDW	KNOLL 115KV	41.71775	0.02227	-0.26744	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WELP	A. M. MULLERGEN GENERATOR 115KV	63	-0.00635	-0.23882	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	AES 161KV	320	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	ASBURY 161KV	191	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	BULL CREEK 161KV	210.4106	0.00067	-0.24573	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	CENTENIAL WIND 34KV	6	-0.0004	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CHANUTE 69KV	50.687	-0.00021	-0.24496	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.24441	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.24492	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	CITY OF MULLVANE 69KV	6.739	-0.0008	-0.24437	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.24492	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	COGENTRIX 345KV	865	-0.00021	-0.24496	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	COMANCHE 138KV	145	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	COMANCHE 69KV	36	-0.00032	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	EASTMAN 138KV	355	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.24476	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	ELLIS 69KV	6	-0.00014	-0.24503	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	EVANS ENERGY CENTER 345KV	145.63307	0.00044	-0.24521	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.24449	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	FITZHUGH 161KV	120	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	FLINT CREEK 161KV	400	-0.00015	-0.24502	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	FFLWINDZ 34KV	27	-0.0004	-0.24477	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	GILL ENERGY CENTER 138KV	155	-0.00012	-0.24405	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	GILL ENERGY CENTER 69KV	52	-0.0001	-0.24417	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WELP	GRAY COUNTY WIND FARM 115KV	36	-0.00408	-0.24109	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00275	-0.24242	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WELP	HUTCHINSON WIND 161KV	38.84293	0.00014	-0.24531	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WELP	HARPER 138KV	97	-0.00567	-0.24283	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	HAWTHORN 161KV	762	0.00041	-0.24558	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	HOLTON 115KV	12.2	-0.00083	-0.24434	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.24537	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WELP	JUDSON LARGE 115KV	86.38679	-0.0041	-0.24107	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	KNOXLEE 138KV	62.4253	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	LACYGNE UNIT 345KV	958	0.00006	-0.24523	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 161KV	36	0.0007	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	LAKE ROAD 34KV	92	0.00072	-0.24589	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	LARUSSELL 161KV	100	-0.00009	-0.24508	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.24307	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	LEBOCK 345KV	495	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MARSHALL 161KV	15	0.00018	-0.24535	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MCCLAIN 138KV	470	-0.00032	-0.24485	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACP	MONTROSE 161KV	353.2030	0.00017	-0.24534	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.24498	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSKOGEE 345KV	1548	-0.0001	-0.24497	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	NARROWS 69KV	22	-0.00016	-0.24501	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	NEARMAN 20KV	235	0.00044	-0.24561	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	NORTHWESTERN STATION 138KV	429	-0.0002	-0.24507	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	NORTHEASTERN STATION 345KV	625	-0.00019	-0.24498	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	DEC 345KV	369	-0.0002	-0.24497	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	OZARK BEACH 161KV	16	-0.00007	-0.24511	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	PIRKER GENERATION 138KV	213	-0.00013	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	QUINDARO 161KV	87.82453	0.00044	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	KACY	QUINDARO 69KV	73	0.00044	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	REDDUB 345KV	250	-0.00031	-0.24486	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	RIVERTON 161KV	66	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.24505	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.24487	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SEMINOLE 345KV	876	-0.0003	-0.24487	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.24548	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.24451	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.24464	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SOONER 138KV	535	-0.00036	-0.24481	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	SOONER 345KV	537	-0.00036	-0.24481	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.24504	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	SOUTH SENECA 115KV	8.5	-0.00423	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	AEWP	SOUTHWESTERN STATION 138KV	459	-0.00038	-0.24479	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	EMDE	SPGCK1&2 13.200 345KV	33.4	-0.00033	-0.24484	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	OKGE	STATE LINE 161KV	528.0889	-0.00011	-0.24506	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.24517	WERE	TECUMSEH ENERGY CENTER 115KV	133			

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.12321	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	HAWTHORN 161KV	762	0.00041	-0.12348	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	HOLTON 115KV	11.2	-0.00083	-0.12324	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	IATAN 345KV	396	0.0015	-0.12457	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.12327	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	KNODLE 138KV	62.4253	-0.00013	-0.12324	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	LACYGNE UNIT 345KV	968	0.00006	-0.12313	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 161KV	35	0.00072	-0.12379	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	LAKE ROAD 34KV	92	0.00072	-0.12379	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	LARUSSEL 161KV	100	-0.00008	-0.12291	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.12097	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	LEBROCK 345KV	465	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MARSHALL 161KV	15	0.00018	-0.12325	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MCCLAIM 138KV	470	-0.00032	-0.12275	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACP	MONROSE 161KV	353.2094	0.00017	-0.12324	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.12288	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12287	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.12274	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NARROWS 69KV	23	-0.00016	-0.12291	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	NEARMAN 20KV	235	0.00044	-0.12351	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.12287	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12288	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	OEC 345KV	369	-0.0002	-0.12287	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	OZARK BEACH 161KV	16	-0.00013	-0.12344	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 161KV	87.82453	0.00044	-0.12351	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	KACY	QUINDARO 69KV	72	0.00044	-0.12351	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	REBUD 345KV	256	-0.00031	-0.12276	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 161KV	66	-0.00012	-0.12295	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.12295	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.12277	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SEMINOLE 345KV	476	-0.0003	-0.12277	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.12338	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	SIBLEY 69KV	45.99999	0.00033	-0.1234	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SMITH COGEN 138KV	107	-0.00033	-0.12274	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOONER 138KV	535	-0.00036	-0.12271	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SOONER 345KV	537	-0.00036	-0.12271	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.12312	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00038	-0.12269	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00038	-0.12269	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	OKGE	SPGCK182 13.200 345KV	33.4	-0.00033	-0.12274	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	EMDE	STATE LINE 161KV	528.0889	-0.00011	-0.12286	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WEATHERFORD 34KV	12	-0.00043	-0.12264	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WELSH 345KV	1044	-0.00014	-0.12293	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 138KV	71.93583	-0.00013	-0.12294	21
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307	AEPW	WILKES 345KV	125	-0.00013	-0.12294	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	AES 161KV	320	-0.00014	-0.12237	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	ASBURY 161KV	191	-0.00011	-0.1224	21
MIDW	Yvons 115kv	999	-0.12251	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.12307	21
MIDW	Yvons 115kv	999	-0.12251	WERE	CHANUTE 69KV	50.887	-0.00021	-0.1223	21
MIDW	Yvons 115kv	999	-0.12251	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00076	-0.12276	21
MIDW	Yvons 115kv	999	-0.12251	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.12226	21
MIDW	Yvons 115kv	999	-0.12251	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.12226	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	COGENTRIX 345KV	965	-0.00021	-0.12223	21
MIDW	Yvons 115kv	999	-0.12251	MIDW	COLBY 115KV	13,064.13	0.00323	-0.12574	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	COMANCHE 138KV	165	-0.00038	-0.12268	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	COMANCHE 69KV	60	-0.00038	-0.12213	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	EASTMAN 138KV	355	-0.00013	-0.12238	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.12221	21
MIDW	Yvons 115kv	999	-0.12251	WERE	EMPIRIA ENERGY CENTER 345KV	145.6307	0.00034	-0.12256	21
MIDW	Yvons 115kv	999	-0.12251	WERE	EVANS ENERGY CENTER 138KV	485	-0.00068	-0.12183	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	FITZUGH 161KV	120	-0.00012	-0.12239	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	FLINT CREEK 161KV	400	-0.00015	-0.12236	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	FPLINDZ 34KV	27	-0.0004	-0.12219	21
MIDW	Yvons 115kv	999	-0.12251	WERE	GILL ENERGY CENTER 138KV	155	-0.00011	-0.12189	21
MIDW	Yvons 115kv	999	-0.12251	WERE	GILL ENERGY CENTER 69KV	52	-0.001	-0.12151	21
MIDW	Yvons 115kv	999	-0.12251	MIPU	GREENWOOD 161KV	38.84283	0.00014	-0.12265	21
MIDW	Yvons 115kv	999	-0.12251	KACP	HAWTHORN 161KV	762	0.00041	-0.12292	21
MIDW	Yvons 115kv	999	-0.12251	WERE	HOLTON 115KV	11.2	-0.00083	-0.12269	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.12272	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.1222	21
MIDW	Yvons 115kv	999	-0.12251	KACP	IATAN 345KV	396	0.0015	-0.12401	21
MIDW	Yvons 115kv	999	-0.12251	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.12271	21
MIDW	Yvons 115kv	999	-0.12251	WERE	KNODLE 138KV	62.4253	-0.00013	-0.12328	21
MIDW	Yvons 115kv	999	-0.12251	KACP	LACYGNE UNIT 345KV	968	0.00006	-0.12257	21
MIDW	Yvons 115kv	999	-0.12251	MIPU	LAKE ROAD 161KV	35	0.00072	-0.12323	21
MIDW	Yvons 115kv	999	-0.12251	MIPU	LAKE ROAD 34KV	92	0.00072	-0.12323	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	LARUSSEL 161KV	100	-0.00008	-0.12291	21
MIDW	Yvons 115kv	999	-0.12251	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.0021	-0.12041	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	LEBROCK 345KV	465	-0.00013	-0.12238	21
MIDW	Yvons 115kv	999	-0.12251	KACP	MARSHALL 161KV	15	0.00018	-0.12269	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	MCCLAIM 138KV	470	-0.00032	-0.12275	21
MIDW	Yvons 115kv	999	-0.12251	MIPU	MONROSE 161KV	353.2094	0.00017	-0.12324	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	MUSKOGEE 161KV	161	-0.00019	-0.12232	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	MUSKOGEE 345KV	1548	-0.0002	-0.12231	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	MUSTANG 138KV	278.124	-0.00033	-0.12218	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	NARROWS 69KV	23	-0.00016	-0.12295	21
MIDW	Yvons 115kv	999	-0.12251	KACY	NEARMAN 20KV	235	0.00044	-0.12351	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	NORTHEASTERN STATION 138KV	440	-0.0002	-0.12231	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	NORTHEASTERN STATION 345KV	625	-0.00019	-0.12232	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	OEC 345KV	369	-0.0002	-0.12231	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	OZARK BEACH 161KV	16	-0.00013	-0.12344	21
MIDW	Yvons 115kv	999	-0.12251	AEPW	PIRKEY GENERATION 138KV	213	-0.00013	-0.12294	21
MIDW	Yvons 115kv	999	-0.12251	KACY	QUINDARO 161KV	87.82453	0.00044	-0.12351	21
MIDW	Yvons 115kv	999	-0.12251	KACY	QUINDARO 69KV	72	0.00044	-0.12351	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	REBUD 345KV	256	-0.00031	-0.12276	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	RIVERTON 161KV	66	-0.00012	-0.12295	21
MIDW	Yvons 115kv	999	-0.12251	EMDE	RIVERTON 69KV	46.28937	-0.00012	-0.12295	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	SEMINOLE 138KV	364.9676	-0.0003	-0.12277	21
MIDW	Yvons 115kv	999	-0.12251	OKGE	SEMINOLE 345KV	476	-0.0003	-0.12277	21
MIDW	Yvons 115kv	999	-0.12251	MIPU	SIBLEY 161KV	230.9499	0.00031	-0.12338	21
MIDW	Yvons 115kv	999							

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

WERE	EVANS ENERGY CENTER 138KV	88	-0.0068	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08207	31
WERE	GETTY 69KV	35	-0.0083	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08222	31
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.0012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08251	31
WERE	GILL ENERGY CENTER 69KV	48	-0.001	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08239	31
WERE	LAWRENCE ENERGY CENTER 230KV	43.27841	-0.0021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08349	31
WERE	WACO 138KV	30	-0.00107	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08246	31
MIPU	ARIES 161KV	595	0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08127	32
AEWP	ARSENAL HILL 69KV	110	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
EMDE	ASBURY 161KV	20	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0815	32
KACP	BULL CREEK 161KV	202.5894	0.00056	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08083	32
WERE	CHANUTE 69KV	29.913	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
WERE	CITY OF BURLINGTON 69KV	16.39	-0.00025	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08154	32
WERE	CITY OF ERIE 69KV	24.53	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
KACP	CITY OF HIGGINSVILLE 69KV	36	0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08118	32
WERE	CITY OF IOLA 69KV	42.878	-0.00017	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08156	32
AEWP	COGENTRIX 345KV	261.4	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
AEWP	COMANCHE 138KV	15	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEWP	EASTMAN 138KV	130.01	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEWP	ELLIS 69KV	20	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08153	32
WERE	EMPORIA ENERGY CENTER 345KV	287.3613	0.00004	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08135	32
AEWP	FLINT CREEK 161KV	28	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08154	32
AEWP	FULTON 115KV	153	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0815	32
KACP	GARDNER 161KV	11	0.00054	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08085	32
MIPU	GREENWOOD 161KV	214.9572	0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08125	32
KACP	HAWTHORN 161KV	38	0.00041	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08098	32
AEWP	HORSESHOE LAKE 138KV	508	-0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0812	32
WERE	JEFFREY ENERGY CENTER 230KV	24	0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08119	32
KACY	KAW 69KV	242	0.00045	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08094	32
MIPU	KIOWA 345KV	1348	-0.00026	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08165	32
AEWP	KNOXLEE 138KV	360.5747	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
MIPU	LAKE ROAD 161KV	31	0.00072	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08067	32
EMDE	LARUSSEL 161KV	196	-0.00009	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08148	32
AEWP	LEBROCK 345KV	232	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEWP	LIEBERMAN 138KV	272	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
AEWP	LONESTAR POWER PLANT 69KV	50	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08153	32
KACP	MARSHALL 161KV	39.1	0.00018	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08121	32
OKGE	MCCLAIN 138KV	50	-0.00032	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
AEWP	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08157	32
KACP	MONTROSE 161KV	27.79662	0.00017	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08122	32
OKGE	MUSKOGEE 345KV	17	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
OKGE	MUSTANG 138KV	87.37598	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
OKGE	MUSTANG 69KV	106	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
KACY	NEARMAN 161KV	80	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
MIPU	NEVADA 69KV	20.3	0.00008	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
KACP	NORTHEAST 13KV	277	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
KACP	NORTHEAST 161KV	277	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
AEWP	NORTHEASTERN STATION 138KV	67.99997	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
AEWP	NORTHEASTERN STATION 345KV	119.99997	-0.00019	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08158	32
AEWP	OEC 345KV	1778.03	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08159	32
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00014	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08125	32
AEWP	PIRKEY GENERATION 138KV	76	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
KACY	QUINDARO 161KV	149.1755	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
KACY	QUINDARO 69KV	105	0.00044	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08095	32
MIPU	RALPH GREEN 69KV	73.7	0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08127	32
OKGE	REDBUD 345KV	950	-0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0817	32
MIDW	rice 115KV	999	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
EMDE	RIVERTON 161KV	219	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
EMDE	RIVERTON 69KV	21.71032	-0.00012	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08151	32
OKGE	SEMINOLE 138KV	140.0324	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
OKGE	SEMINOLE 345KV	153.6	-0.0003	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08169	32
MIPU	SIBLEY 161KV	19.05008	0.00031	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08109	32
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEWP	SOUTHWESTERN STATION 138KV	265	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
AEWP	SOUTHWESTERN STATION 138KV	603	-0.00038	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08177	32
OKGE	SPGCK1&2 13.200 345KV	44.6	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
OKGE	SPGCK3&4 13.200 345KV	168	-0.00033	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08172	32
EMDE	STATE LINE 161KV	77.91111	-0.00011	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
OKGE	TINKER 5G 138KV	62	-0.00032	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08171	32
AEWP	TONTITOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08154	32
AEWP	TULSA POWER STATION 138KV	307	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
AEWP	TULSA POWER STATION 69KV	80	-0.00021	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
MIPU	TWA 161KV	32.1	0.00055	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08094	32
AEWP	WEELETKA 138KV	162	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08163	32
AEWP	WILKES 138KV	416.0642	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
AEWP	WILKES 345KV	186	-0.00013	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.08152	32
MIDW	WOLBY 115KV	11.9358	-0.00032	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.0816	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00914	-0.07723	33
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIDW	COLBY 115KV	13.06413	0.00323	-0.07132	36
WERE	HUTCHINSON ENERGY CENTER 345KV	42	0.00914	WERE	SMOKEY HILLS 34KV	76	0.08139	-0.07225	36
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	ATAN 345KV	306	0.001	-0.06569	37
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	AES 161KV	320	-0.00014	-0.06795	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	ASBURY 161KV	191	-0.00011	-0.06798	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	BULL CREEK 161KV	210.4106	0.00056	-0.06865	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	CHANUTE 69KV	50.687	-0.00021	-0.06788	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	CITY OF AUGUSTA 69KV	20.02	-0.00078	-0.06733	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	CITY OF BURLINGTON 69KV	10042.96	-0.00025	-0.06784	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	-0.00025	-0.06784	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	COGENTRIX 345KV	865	-0.00021	-0.06788	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	COMANCHE 138KV	145	-0.00038	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	COMANCHE 69KV	60	-0.00038	-0.06771	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	EASTMAN 138KV	355	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	EMDE	ELK RIVER 345KV	46.01746	-0.00041	-0.06768	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00004	-0.06813	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	EVANS ENERGY CENTER 138KV	405	-0.0006	-0.06741	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	FITZHUGH 161KV	120	-0.00012	-0.06797	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	FLINT CREEK 161KV	400	-0.00015	-0.06794	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	FLWIND2 34KV	27	-0.0004	-0.06769	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	GREENWOOD 161KV	38.84263	0.00014	-0.06823	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	HAWTHORN 161KV	762	0.00041	-0.0685	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	HORSESHOE LAKE 138KV	352	-0.00031	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	OKGE	HORSESHOE LAKE 69KV	16	-0.00031	-0.06778	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0002	-0.06829	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	AEWP	KNOXLEE 138KV	62.4253	-0.00013	-0.06796	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	KACP	LACYONE UNIT 345KV	958	0.00006	-0.06815	38
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809	MIPU	LAKE ROAD 161KV				

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

Source	Sink	Source GSF	Sink GSF	Factor	Source Decrement (MW)	Sink Increment (MW)
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/AEPW	1044	-0.00014	-0.06795
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/AEPW	71.93683	-0.00013	-0.06796
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/AEPW	175	-0.00013	-0.06796
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WERE	155	-0.00112	-0.06697
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WERE	52	-0.001	-0.06709
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WERE	225.7216	-0.0021	-0.06599
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WEPL	22.98018	-0.00019	-0.06401
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/KACP	86.38679	-0.00275	-0.06434
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WEPL	133	-0.00582	-0.06227
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.06809/WEPL	63	-0.00635	-0.06174
MIDW	KNOLL 115KV	34.20625	0.02227	76	0.0139	0.05926
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	255	-0.06809	-0.05498
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.12307/WERE	30	-0.06793	-0.05514
MIDW	Yorns 115KV	999	-0.12251/WERE	255	-0.06809	-0.05442
MIDW	Yorns 115KV	999	-0.12251/WERE	30	-0.06793	-0.05448
MIDW	pawnee 115kv	999	-0.0226/MIDW	41.71775	0.02227	-0.04487
WEPL	CLIFTON 115KV	70	-0.01278/MIDW	41.71775	0.02227	-0.03505
MIDW	pawnee 115kv	999	-0.0226/WERE	940	0.00914	-0.03174

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1
 Direction: From->To
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007AG1AFS411815508SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.3	2.7
1222932	1.4	2.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	SMOKEY HILLS 34KV	76	0.08286	-0.44687	6	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.36907	7	6
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIDW	KNOLL 115KV	41.71775	0.01661	-0.37482	7	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.34136	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	AES 161KV	320	-0.00019	-0.35802	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	ASBURY 161KV	191	0.00004	-0.35793	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	BULL CREEK 161KV	210.4106	0.00115	-0.35936	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	CENTENIAL WIND 34KV	6	-0.0009	-0.35731	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CHANUTE 69KV	50.687	-0.00006	-0.35815	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.35751	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.35823	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CITY OF FREDONIA 69KV	3.19	-0.00014	-0.35807	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.35823	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.35732	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.35823	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	COGENTRIX 345KV	865	-0.00029	-0.35792	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIDW	COLBY 115KV	13.06413	-0.00131	-0.35669	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	COMANCHE 138KV	145	-0.00094	-0.35727	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	COMANCHE 69KV	60	-0.00083	-0.35728	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	EASTMAN 138KV	355	-0.00024	-0.35797	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.35793	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	ELLIS 69KV	6	-0.00018	-0.35803	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00093	-0.35914	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	EVANS ENERGY CENTER 138KV	485	-0.00086	-0.35755	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	FITZLUIGH 161KV	120	-0.00016	-0.35805	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	FLINT CREEK 161KV	400	-0.00014	-0.35807	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	FPLWIND 2 34KV	27	-0.00091	-0.3573	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.35678	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	GILL ENERGY CENTER 69KV	52	-0.00012	-0.35792	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01098	-0.34723	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00079	-0.34842	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	GREENWOOD 161KV	38.84233	0.00065	-0.35886	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	HAWTHORN 161KV	8.15	-0.00088	-0.34683	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	HAWTHORN 161KV	762	0.00091	-0.35912	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	HOLTON 115KV	12.2	0.00015	-0.35836	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.35763	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	HORSESHOE LAKE 69KV	16.2	-0.00057	-0.35764	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	IATAI 345KV	396	-0.00012	-0.35838	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.36014	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WEPL	JUDSON LARGE 115KV	86.38679	-0.011	-0.34771	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	KNOWLES 138KV	62.4253	-0.00024	-0.35729	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	LACYONE UNIT 345KV	958	0.00055	-0.35774	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	LAKE ROAD 161KV	35	0.00111	-0.35932	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	LAKE ROAD 34KV	92	0.00111	-0.35932	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	LARUSSELL 161KV	100	0.00002	-0.35823	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.35716	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	LEBOCK 345KV	465	-0.00024	-0.35797	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	MARSHALL 161KV	15	0.00046	-0.35867	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	MCCLELLAN 138KV	470	-0.00062	-0.35759	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACP	MONTROSE 161KV	353.2094	0.00062	-0.35883	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	MUSKOGEE 161KV	151	-0.00025	-0.35798	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.35793	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	MUSTANG 138KV	278.124	-0.00062	-0.35759	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	NARROWS 69KV	22	-0.00029	-0.35792	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACY	NEARMAN 20KV	235	0.00101	-0.35922	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	NORTH EASTERN STATION 138KV	400	-0.00024	-0.35798	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.35801	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	DEC 345KV	369	-0.00025	-0.35796	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	OZARK BEACH 161KV	16	0.00001	-0.35822	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.35797	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACY	QUINDARO 161KV	87.82423	0.00101	-0.35922	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/KACY	QUINDARO 69KV	72	0.00101	-0.35922	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	REDBUD 345KV	250	-0.00054	-0.35767	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	RIVERTON 161KV	66	-0.00001	-0.3582	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	RIVERVIEW 69KV	46.29837	-0.00001	-0.3582	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SEMINOLE 138KV	364.9576	-0.00058	-0.35763	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SEMINOLE 345KV	876	-0.00057	-0.35764	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	SIBLY 161KV	230.9499	0.00078	-0.35899	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	SIBLY 69KV	45.99999	0.00081	-0.35902	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SMITH COGEN 138KV	107	0.00002	-0.35759	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SOONER 138KV	535	-0.00056	-0.35765	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SOONER 345KV	537	-0.00057	-0.35764	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/MIPU	SOUTH HARPER 161KV	315	0.0006	-0.35881	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	SOUTH SENECA 115KV	9.5	-0.0038	-0.35441	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.35728	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.35728	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0006	-0.35761	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.3582	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.0048	-0.35763	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	WEATHERFORD 34KV	12	-0.00116	-0.35705	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	WELSH 345KV	1044	-0.00028	-0.35795	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	WILKES 138KV	71.93683	-0.00024	-0.35797	8	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821/AEPW	WILKES 345KV	175	-0.00025	-0.35797	8	8
WERE	CLAY CENTER JUNCTION 115KV								

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

WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	EASTMAN 138KV	355	-0.00024	-0.23751	11
EMDE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.23747	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	ELLIS 69KV	6	-0.00018	-0.23767	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	EMPORIA ENERGY CENTER 345KV	145.6397	0.00093	-0.23688	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	EVANS ENERGY CENTER 138KV	485	-0.00066	-0.23709	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	FITZHUGH 161KV	120	-0.00016	-0.23759	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.23761	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	FRLWIND2 34KV	27	-0.00091	-0.23684	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.23632	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.23653	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	GREENWOOD 161KV	38.84283	0.00065	-0.2384	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	HAWTHORN 161KV	762	0.00091	-0.23866	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HOLTON 115KV	12.2	0.00015	-0.2379	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.23717	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	IATAN 348KV	396	0.00217	-0.23992	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.23968	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.24861	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIDW	KNOLL 115KV	41.71775	0.01661	-0.25436	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	LACYONE UNIT 345KV	958	0.00053	-0.23828	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	LAKE ROAD 161KV	35	0.00111	-0.23886	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	LAKE ROAD 34KV	92	0.00111	-0.23886	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	LARUSSEL 161KV	100	0.00002	-0.23777	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00106	-0.23671	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	LEBROCK 345KV	465	-0.00024	-0.23761	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	MARSHALL 161KV	15	0.00046	-0.23821	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MCCLAIN 138KV	470	-0.00062	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	MONTROSE 161KV	353.2094	0.00062	-0.23837	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSKOGEE 161KV	161	0.00053	-0.23976	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.23747	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NARROWS 69KV	22	-0.00029	-0.23746	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	NEARMAN 20KV	235	0.01011	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NORTHEASTERN STATION 138KV	470	-0.00022	-0.23761	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.23755	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	OEC 345KV	369	-0.00025	-0.2375	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	OZARK BEACH 161KV	16	0.00001	-0.23776	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	PIRKEY GENERATOR 138KV	213	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	QUINDARO 161KV	87.82453	0.00101	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	QUINDARO 69KV	72	0.00101	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	REBUD 345KV	250	-0.00054	-0.23721	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	RIVERTON 161KV	66	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.23717	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SEMINOLE 345KV	876	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.23853	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.23827	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SOONER 138KV	535	-0.00056	-0.23719	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SOONER 345KV	537	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.23835	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.23628	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	SOUTHWESTERN STATION 345KV	469	-0.00093	-0.23682	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0006	-0.23715	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.23859	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WELSH 345KV	1044	-0.00026	-0.23763	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WILKES 138KV	71.93683	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WILKES 345KV	125	-0.00024	-0.23751	11
MIDW	tyons 115kv	999	-0.16166	WERE	SMOKEY HILLS 34KV	76	0.08286	-0.24432	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	A M MULLER/RENER GENERATOR 115KV	63	-0.01685	-0.23209	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GRAY COUNTY WIND FARM 115KV	36	-0.01088	-0.22677	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.22796	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HARPER 138KV	8.49	-0.00938	-0.22837	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JUDSON LARGE 115KV	86.38679	-0.011	-0.22675	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	SOUTH SENECA 115KV	8.5	-0.00322	-0.23036	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.23314	12
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIDW	KNOLL 115KV	41.71775	0.01661	-0.17962	15
WERE	HUTCHINSON ENERGY CENTER 115KV	168	-0.09505	WERE	SMOKEY HILLS 34KV	76	0.08286	-0.17771	15
MIDW	tyons 115kv	999	-0.16166	MIDW	KNOLL 115KV	41.71775	0.01661	-0.18287	15
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	BULL CREEK 161KV	210.0106	0.00115	-0.16416	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	EMPORIA ENERGY CENTER 345KV	145.6397	0.00093	-0.16394	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HAWTHORN 161KV	762	0.00091	-0.16392	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	IATAN 348KV	396	0.00217	-0.16518	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16494	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.17387	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 161KV	35	0.00111	-0.16412	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	LAKE ROAD 34KV	92	0.00111	-0.16412	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	NEARMAN 20KV	235	0.01011	-0.16402	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 161KV	87.82453	0.00101	-0.16402	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACY	QUINDARO 69KV	72	0.00101	-0.16402	16
MIDW	tyons 115kv	999	-0.16166	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.17252	16
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	AES 161KV	320	-0.00019	-0.16282	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	ASBURY 161KV	191	0.00004	-0.16305	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	CENTENIAL WIND 34KV	6	-0.0009	-0.16211	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CHANUTE 69KV	50.687	-0.00006	-0.16295	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16231	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF BURLINGTON 69KV	1042.96	-0.00002	-0.16303	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.16212	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	COFFEY COUNTY NO 2 SHARPE 69KV	19.96	0.00002	-0.16303	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COGENTRIX 345KV	865	-0.00029	-0.16272	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIDW	COLEY 115KV	13.06413	-0.00131	-0.1617	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 138KV	60	-0.00091	-0.16207	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	COMANCHE 69KV	60	-0.00093	-0.16208	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	EASTMAN 138KV	355	-0.00024	-0.16277	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.16273	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	ELLIS 69KV	6	-0.00018	-0.16268	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EVANS ENERGY CENTER 138KV	485	-0.00066	-0.16235	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FITZHUGH 161KV	120	-0.00016	-0.16285	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.16287	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	FRLWIND2 34KV	27	-0.00091	-0.16287	17</

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.16208	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SPGCK142 13.200 345KV	33.4	-0.0006	-0.16241	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	STATE LINE 161KV	528.0889	-0.0001	-0.163	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.1584	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.16185	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WELSH 345KV	1044	-0.00026	-0.16275	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 138KV	71.93953	-0.00024	-0.16277	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 345KV	129	-0.00024	-0.16277	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	AES 161KV	320	-0.00019	-0.16147	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	ASBURY 161KV	191	0.00004	-0.16177	17
MIDW	Yoons 115KV	999	-0.16166	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.16281	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	CENTENNIAL WIND 34KV	6	-0.00093	-0.16078	17
MIDW	Yoons 115KV	999	-0.16166	WERE	CHANUTE 69KV	50.687	-0.00006	-0.1616	17
MIDW	Yoons 115KV	999	-0.16166	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16096	17
MIDW	Yoons 115KV	999	-0.16166	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.16168	17
MIDW	Yoons 115KV	999	-0.16166	WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.16077	17
MIDW	Yoons 115KV	999	-0.16166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.16168	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	COGENTRIX 345KV	865	-0.00029	-0.16137	17
MIDW	Yoons 115KV	999	-0.16166	MIDW	COLBY 115KV	13.06413	-0.00131	-0.16035	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	COMANCHE 138KV	145	-0.00094	-0.16072	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	COMANCHE 69KV	60	-0.00093	-0.16073	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	EASTMAN 138KV	355	-0.00024	-0.16142	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.16138	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	ELLIS 69KV	6	-0.00018	-0.16148	17
MIDW	Yoons 115KV	999	-0.16166	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00093	-0.16259	17
MIDW	Yoons 115KV	999	-0.16166	WERE	EVANS ENERGY CENTER 138KV	185	-0.00028	-0.16161	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	FITZHUGH 161KV	120	-0.00016	-0.1615	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.16152	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	FPLWND2 34KV	27	-0.00091	-0.16075	17
MIDW	Yoons 115KV	999	-0.16166	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.16023	17
MIDW	Yoons 115KV	999	-0.16166	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.16044	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	GREENWOOD 161KV	38.84283	0.00065	-0.16231	17
MIDW	Yoons 115KV	999	-0.16166	KACP	HAWTHORN 161KV	762	0.00091	-0.16257	17
MIDW	Yoons 115KV	999	-0.16166	WERE	HOLTON 115KV	12.2	0.00015	-0.16181	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	HORSESHOE LAKE 138KV	352	-0.00038	-0.16108	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.16109	17
MIDW	Yoons 115KV	999	-0.16166	KACP	IATAN 345KV	396	0.00217	-0.16383	17
MIDW	Yoons 115KV	999	-0.16166	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16359	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.16142	17
MIDW	Yoons 115KV	999	-0.16166	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16219	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	LAKE ROAD 161KV	35	0.00111	-0.16277	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	LAKE ROAD 34KV	92	0.00111	-0.16277	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	LARUSSEL 161KV	100	0.00002	-0.16168	17
MIDW	Yoons 115KV	999	-0.16166	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00138	-0.16061	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	LEBROCK 345KV	465	-0.00024	-0.16142	17
MIDW	Yoons 115KV	999	-0.16166	KACP	MARSHALL 161KV	15	0.00046	-0.16212	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16104	17
MIDW	Yoons 115KV	999	-0.16166	KACP	MONROSE 161KV	353.2004	0.00062	-0.16228	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	MUSKOGEE 161KV	181	-0.00025	-0.16141	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16138	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.16104	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	NARROWS 69KV	22	-0.00029	-0.16137	17
MIDW	Yoons 115KV	999	-0.16166	KACP	NEARMAN 20KV	235	0.0101	-0.16066	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.16144	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16146	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	OEC 345KV	369	-0.00025	-0.16141	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16167	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	PIRECY GENERATION 138KV	213	-0.00028	-0.16142	17
MIDW	Yoons 115KV	999	-0.16166	KACY	QUINDARO 161KV	87.82453	0.00101	-0.16267	17
MIDW	Yoons 115KV	999	-0.16166	KACY	QUINDARO 69KV	72	0.00101	-0.16267	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	REDBUD 345KV	250	-0.00054	-0.16112	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	RIVERTON 161KV	66	-0.00001	-0.16165	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.16165	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.16108	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SEMINOLE 345KV	876	-0.00057	-0.16109	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.16057	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	SIBLEY 69KV	45.99999	0.00038	-0.16047	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16104	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SOONER 138KV	535	-0.00056	-0.16111	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SOONER 345KV	537	-0.00057	-0.16109	17
MIDW	Yoons 115KV	999	-0.16166	MIPU	SOUTH HARPER 161KV	315	-0.00026	-0.16126	17
MIDW	Yoons 115KV	999	-0.16166	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.15786	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.16073	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.16073	17
MIDW	Yoons 115KV	999	-0.16166	OKGE	SPGCK142 13.200 345KV	33.4	-0.0006	-0.16106	17
MIDW	Yoons 115KV	999	-0.16166	EMDE	STATE LINE 161KV	528.0889	-0.0001	-0.16168	17
MIDW	Yoons 115KV	999	-0.16166	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.15705	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.1605	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	WELSH 345KV	1044	-0.00026	-0.1614	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	WILKES 138KV	71.93953	-0.00024	-0.16142	17
MIDW	Yoons 115KV	999	-0.16166	AEPW	WILKES 345KV	129	-0.00024	-0.16142	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14616	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01998	-0.15203	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.15322	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	HARPER 138KV	8.49	-0.0008	-0.15363	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	JUDSON LARGE 115KV	86.39679	-0.011	-0.15201	18
MIDW	Yoons 115KV	999	-0.16166	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01998	-0.15068	18
MIDW	Yoons 115KV	999	-0.16166	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.15187	18
MIDW	Yoons 115KV	999	-0.16166	WEPL	HARPER 138KV	8.49	-0.0008	-0.15228	18
MIDW	Yoons 115KV	999	-0.16166	WEPL	JUDSON LARGE 115KV	86.39679	-0.011	-0.15066	18
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.09505	-0.1427	19
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.14291	19
MIDW	Yoons 115KV	999	-0.16166	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.14481	18
WERE	ABLENE ENERGY CENTER 115KV	66	-0.2371	WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.2371	-0.15046	22
MIDW	paawee 115KV	999	-0.03626	WERE	SMOKEY HILLS 345KV	76	0.08266	-0.11892	23
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIDW	KNOX 115KV	41.71775	0.01661	-0.11166	24
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01086	-0.10591	24
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.11667	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	ASBURY 161KV	191	0.00004	-0.09509	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.0962	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	CHANUTE 69KV	50.687	-0.00006	-0.09499	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.09507	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.09507	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00093	-0.09598	28
WERE	HUTCHINSON ENERGY CENTER								

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

WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.09383	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.09447	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	HORSESHOE LAKE 69KV	16	-0.0057	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.094	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	LEBROCK 345KV	465	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	MCCLAIN 138KV	470	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	MUSKOGEE 161KV	181	-0.00025	-0.09477	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	MUSKOGEE 345KV	1548	-0.00028	-0.09477	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	MUSTANG 138KV	278.124	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NARROWS 69KV	22	-0.00029	-0.09476	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.09477	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09485	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	OC 345KV	369	-0.00025	-0.0948	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	REBUD 345KV	250	-0.00054	-0.09451	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.09447	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SEMINOLE 345KV	876	-0.00057	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SMITH COGEN 138KV	107	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SOONER 138KV	535	-0.00056	-0.09449	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SOONER 345KV	537	-0.00057	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.09412	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	SOUTHWESTERN STATION 345KV	459	-0.00093	-0.09412	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	DKGE	SPGCK1&2 13.200 345KV	33.4	-0.0006	-0.09445	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.09389	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WELSH 345KV	1094	-0.00056	-0.09451	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WILKES 138KV	71.93583	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WILKES 345KV	125	-0.00024	-0.09481	29
WEPL	JUDSON LARGE 115KV	16.61321	-0.011	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.09366	30
WEPL	CHAMARON RIVER 15KV	73	-0.0034	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.091	30
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.09044	29
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00461	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08727	31
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00512	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08778	31
WERE	CITY OF AUGUSTA 69KV	17.94	-0.0007	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08336	32
WERE	CITY OF WINFIELD 69KV	40	-0.00073	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0839	32
MIDW	COLBY 115KV	11.93587	-0.00131	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08397	32
AEPW	COMANCHE 138KV	15	-0.00094	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0836	32
WERE	EVANS ENERGY CENTER 138KV	88	-0.00066	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08332	32
WERE	GSETTY 69KV	35	-0.00073	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08338	32
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00143	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08409	32
WERE	GILL ENERGY CENTER 69KV	48	-0.00122	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08388	32
DKGE	HORSESHOE LAKE 138KV	508	-0.00058	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08324	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.0109	-0.08407	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACP	GRAY COUNTY WIND GENERATION AT SPEARVILLE 230KV	22.9802	-0.0097	-0.08268	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WEPL	JUDSON LARGE 115KV	86.98679	-0.011	-0.08405	32
WERE	LAWRENCE ENERGY CENTER 230KV	43.27841	-0.00105	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08371	32
DKGE	MCCLAIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08328	32
DKGE	MUSTANG 138KV	87.37598	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08328	32
DKGE	MUSTANG 69KV	106	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08328	32
DKGE	REBUD 345KV	950	-0.00054	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0832	32
DKGE	SEMINOLE 138KV	140.0324	-0.00058	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08324	32
DKGE	SEMINOLE 345KV	153.6	-0.00057	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08323	32
DKGE	SOUTH 4TH ST 69KV	42.77	-0.00063	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08329	32
AEPW	SOUTHWESTERN STATION 138KV	265	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08359	32
AEPW	SOUTHWESTERN STATION 345KV	603	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08359	32
DKGE	SPGCK1&2 13.200 345KV	44.6	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08326	32
DKGE	SPGCK3&4 13.200 345KV	168	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08326	32
DKGE	TINKER 53 138KV	62	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08326	32
MIPU	WACO 138KV	30	-0.00135	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08401	32
MIPU	ARIES 161KV	595	-0.00064	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08202	33
AEPW	ARSENAL HILL 69KV	110	-0.00022	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08288	33
EMDE	ASBURY 161KV	20	-0.00044	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08262	33
KACP	BULL CREEK 161KV	202.5894	-0.00115	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08151	33
WERE	CHANUTE 69KV	29.913	-0.00006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08272	33
WERE	CITY OF BURLINGTON 69KV	16.38	-0.00002	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08264	33
WERE	CITY OF ERIE 69KV	24.53	-0.00006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08272	33
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.00006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08206	33
WERE	CITY OF IOLA 69KV	42.878	-0.00001	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08265	33
AEPW	COGENTRIX 345KV	261.4	-0.00029	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08295	33
AEPW	EASTMAN 138KV	130.01	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08293	33
AEPW	ELLIS 69KV	20	-0.00018	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08264	33
WERE	EMPORIA ENERGY CENTER 345KV	287.3613	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08173	33
AEPW	FLINT CREEK 161KV	28	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0828	33
AEPW	FULTON 115KV	153	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08286	33
KACP	GARDNER 161KV	111	-0.00113	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08153	33
MIPU	GREENWOOD 161KV	214.967	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08201	33
KACP	HAWTHORN 161KV	39	-0.00091	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08175	33
KACP	JEFFREY ENERGY CENTER 230KV	24	-0.00193	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08073	33
KACY	KAW 69KV	242	-0.00101	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08165	33
AEPW	KIOWA 345KV	1348	-0.00051	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08317	33
AEPW	KNOXLEE 138KV	360.5747	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0826	33
MIPU	LAKE ROAD 161KV	91	-0.00111	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08155	33
EMDE	LARUSSEL 161KV	196	-0.00002	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08264	33
AEPW	LEBROCK 345KV	232	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08293	33
AEPW	LEBERMAN 138KV	272	-0.00022	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08288	33
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00025	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08291	33
KACP	MARSHALL 161KV	39.1	-0.00046	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0822	33
AEPW	MID-CONTINENT 138KV	142.11	-0.00019	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08285	33
KACP	MONTROSE 161KV	27.79668	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08204	33
DKGE	MUSKOGEE 345KV	17	-0.00028	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08294	33
KACY	NEARMAN 161KV	80	-0.00101	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08165	33
MIPU	NEVADA 69KV	20.3	-0.00044	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08222	33
KACP	NORTHHEAT 13KV	277	-0.00096	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0817	33
KACP	NORTHEAST 161KV	277	-0.00096	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0817	33
AEPW	NORTHEASTERN STATION 138KV	67.99997	-0.00022	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08288	33
AEPW	NORTHEASTERN STATION 345KV	19.99997	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08286	33
AEPW	OC 345KV	1778.03	-0.00025	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08291	33
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.00066	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08202	33
AEPW	PIRKEY GENERATION 138KV	75	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0829	33
KACY	QUINDARO 161KV	149.1755	-0.00101	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08165	33
KACY	QUINDARO 69KV	105	-0.00101	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08165	33
MIPU	RALPH GREEN 69KV	73.7	-0.00063	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08203	33
MIDW	Rice 115kv	999	-0.00023	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08269	33
EMDE	RIVERTON 161KV	219	-0.00001	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08267	33
EMDE	RIVERTON 69KV	21.71062	-0.00001	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08267	33
MIPU	SIBLEY 161KV	19.05008	-0.00078	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08188	33
EMDE	STATE LINE 161KV	77.91113	-0.00001	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08267	33
AEPW	TOMTOWN 161KV	346.12	-0.00015	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08201	33
AEPW	TULSA POWER STATION 138KV	307	-0.00028	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08294	33
AEPW	TULSA POWER STATION 69KV	80	-0.00028	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08294	33
MIPU	TWA 161KV	32.1	-0.00109	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08157	33
AEPW	WELLECTA 138KV	163	-0.00039	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08305	33
AEPW	WILKES 138KV	416.0642	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.08293	33
AEPW	WILKES 345KV	186	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0829	33
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WEPL	A M MULLERGEN GENERATOR 115KV	63	-0.01685	-0.0782	35
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.01086	WERE	SMOKEY HILLS 34KV	76	0.0266	-0.0718	36
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	235	-0.09505	-0.0718	40

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

MIDW	paawee 115kv	999	-0.03626	MIPU	'SOUTH HARPER 161KV'	315	0.0006	-0.03686	73
MIDW	paawee 115kv	999	-0.03626	EMDE	ASBURY 161KV	191	0.0004	-0.0363	74
MIDW	paawee 115kv	999	-0.03626	OKGE	AES 161KV	320	-0.0019	-0.03607	75
MIDW	paawee 115kv	999	-0.03626	WERE	CHANUTE 69KV	50.687	-0.0006	-0.0362	75
MIDW	paawee 115kv	999	-0.03626	WERE	CITY OF BURLINGTON 69KV	10042.96	0.0002	-0.03628	75
MIDW	paawee 115kv	999	-0.03626	AEPW	COGENTRIX 345KV	865	-0.0029	-0.03597	75
MIDW	paawee 115kv	999	-0.03626	AEPW	EASTMAN 138KV	355	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	EMDE	ELK RIVER 345KV	46.01746	-0.0029	-0.03598	75
MIDW	paawee 115kv	999	-0.03626	AEPW	FITZHUGH 161KV	120	-0.0016	-0.0361	75
MIDW	paawee 115kv	999	-0.03626	AEPW	FLINT CREEK 161KV	400	-0.0014	-0.03612	75
MIDW	paawee 115kv	999	-0.03626	AEPW	KNOXLEE 138KV	62.4253	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	EMDE	LARUSSEL 161KV	100	0.0002	-0.03628	75
MIDW	paawee 115kv	999	-0.03626	AEPW	LEBROCK 345KV	465	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 161KV	161	-0.0025	-0.03601	75
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 345KV	1548	-0.0028	-0.03598	75
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHEASTERN STATION 138KV	440	-0.0022	-0.03604	75
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.03598	75
MIDW	paawee 115kv	999	-0.03626	AEPW	OEC 345KV	369	-0.0025	-0.03601	75
MIDW	paawee 115kv	999	-0.03626	AEPW	PIRKEY GENERATION 138KV	213	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 161KV	66	-0.0001	-0.03629	75
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 69KV	46.28937	-0.0001	-0.03625	75
MIDW	paawee 115kv	999	-0.03626	EMDE	STATE LINE 161KV	528.0889	-0.0001	-0.03625	75
MIDW	paawee 115kv	999	-0.03626	AEPW	WELSH 345KV	1044	-0.0028	-0.036	75
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 138KV	71.93683	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 345KV	125	-0.0024	-0.03602	75
MIDW	paawee 115kv	999	-0.03626	AEPW	EVANS ENERGY CENTER 138KV	485	-0.0006	-0.03596	76
MIDW	paawee 115kv	999	-0.03626	OKGE	FPLWIND 2 34KV	27	-0.00091	-0.03535	76
MIDW	paawee 115kv	999	-0.03626	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.03568	76
MIDW	paawee 115kv	999	-0.03626	OKGE	MCCLAIN 138KV	470	-0.00062	-0.03564	76
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.03536	76
MIDW	paawee 115kv	999	-0.03626	OKGE	REDBUD 345KV	250	-0.00054	-0.03572	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.03568	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 345KV	876	-0.00057	-0.03569	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.03564	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 138KV	535	-0.0006	-0.03567	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 345KV	537	-0.00057	-0.03569	76
MIDW	paawee 115kv	999	-0.03626	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0006	-0.03566	76
MIDW	paawee 115kv	999	-0.03626	AEPW	COMANCHE 138KV	145	-0.00094	-0.03532	77
MIDW	paawee 115kv	999	-0.03626	AEPW	COMANCHE 69KV	60	-0.00083	-0.03533	77
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.03504	77
MIDW	paawee 115kv	999	-0.03626	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.03521	77
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.03533	77
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.03533	77
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 138KV	-0.0143	-0.0006	-0.03563	78
MIDW	paawee 115kv	999	-0.03626	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.03165	85

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Summit - NE Saline 115 KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To-From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 2007AG1AFS41T825508SH
 Date Redispatch Needed: 6/1 - 10/1 Unit EOC of Upgrade
 Season Flowgate Identified: 2008 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1197077	1.3	2.7
1222932	1.4	2.7

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	'SMOKEY HILLS 34KV'	76	0.08266	-0.44087	6
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	JEFFREY ENERGY CENTER 345KV	640	0.01086	-0.36907	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIDW	KNOLL 115KV	41.71775	0.0166	-0.35821	7
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01685	-0.34136	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	AES 161KV	320	-0.00019	-0.35802	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	ASBURY 161KV	191	0.00004	-0.35829	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.35796	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	CENTENAL WIND 34KV	6	-0.0009	-0.35731	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CHANUTE 69KV	50.687	-0.0006	-0.35815	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.35751	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF BURLINGTON 69KV	10042.96	0.0002	-0.35823	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF FREDONIA 69KV	3.6	0.00002	-0.35823	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF GIRARD 69KV	3.6	0.00002	-0.35823	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.35732	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.35823	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COGENTRIX 345KV	865	-0.0029	-0.35792	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIDW	COLEBY 115KV	13.06413	-0.00131	-0.3569	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COMANCHE 138KV	145	-0.00094	-0.35727	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	COMANCHE 69KV	60	-0.00093	-0.35728	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	EASTMAN 138KV	355	-0.0024	-0.35797	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	ELK RIVER 345KV	46.01746	-0.0029	-0.35793	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	ELLIS 69KV	6	-0.00018	-0.35803	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00093	-0.35914	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	EVANS ENERGY CENTER 138KV	485	-0.0006	-0.35755	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	FITZHUGH 161KV	120	-0.0016	-0.35806	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	FLINT CREEK 161KV	400	-0.0014	-0.35807	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	FPLWIND2 34KV	27	-0.00091	-0.3573	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.35678	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.35699	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	GRAY COUNTY WIND FARM 115KV	36	-0.0009	-0.34723	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPARVILLE 230KV	22.98018	-0.00079	-0.34842	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIPU	HARWOOD 161KV	38.84283	0.00065	-0.35886	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WEPL	HARPER 138KV	8.49	-0.00038	-0.34883	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	HAWTHORN 161KV	62	0.00068	-0.35912	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	HOLTON 115KV	12.2	0.00015	-0.35836	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.35763	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.35764	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	IATAN 345KV	396	0.02177	-0.36038	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01083	-0.36014	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WEPL	JUDSON LARGE 115KV	86.98679	-0.011	-0.34721	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	KNOXLEE 138KV	62.4253	-0.0024	-0.35797	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.35874	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIPU	LAKE ROAD 161KV	35	0.00111	-0.35932	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	MIPU	LAKE ROAD 34KV	92	0.00111	-0.35932	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	LARUSSEL 161KV	100	0.00002	-0.35823	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.35716	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	LEBROCK 345KV	465	-0.0024	-0.35797	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	MARSHALL 161KV	15	0.00046	-0.35867	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	MCCLAIN 138KV	470	-0.00062	-0.35759	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	MONTROSE 161KV	353.2094	0.00062	-0.35883	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.35796	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.35793	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.35769	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	NARROWS 69KV	22	-0.00029	-0.35792	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	NEARMAN 20KV	235	0.00101	-0.35922	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	NORTHEASTERN STATION 138KV	440	-0.0022	-0.35799	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.35801	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	OEC 345KV	369	-0.00025	-0.35796	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	OZARK BEACH 161KV	16	0.00001	-0.35822	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.35797	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	QUINDARO 161KV	87.82453	0.00101	-0.35922	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	KACP	QUINDARO 69KV	72	0.00101	-0.35792	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	REDBUD 345KV	250	-0.00054	-0.35767	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	RIVERTON 161KV	66	-0.00001	-0.3582	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.3582	8
WERE	ABILENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.357	

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

WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.35728	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.35728	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	OKGE	SPGK182 13.200 345KV	33.4	-0.0006	-0.35761	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.3582	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.3536	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.35705	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WELSH 345KV	1044	-0.00026	-0.35795	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WILKES 138KV	71.93583	-0.00024	-0.35707	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	AEPW	WILKES 345KV	125	-0.00024	-0.35797	8
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.32041	8
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.09505	-0.26316	10
WERE	ABLENE ENERGY CENTER 115KV	66	-0.35821	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09494	-0.26327	10
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.24567	10
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	AES 161KV	320	-0.00019	-0.23756	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	ASBURY 161KV	191	0.00004	-0.23779	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.2389	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	CENTENIAL WIND 34KV	6	-0.0009	-0.23865	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	CHANUTE 69KV	50.687	-0.00006	-0.23769	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.23705	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.23777	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.23696	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.23777	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	COGENTRIX 345KV	865	-0.00029	-0.23746	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIDW	COLBY 115KV	13.06413	-0.00131	-0.23644	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	COMANCHE 138KV	145	-0.00094	-0.23681	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	COMANCHE 69KV	19.8	-0.00094	-0.23683	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	EASTMAN 138KV	355	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.23747	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	ELLIS 69KV	6	-0.00018	-0.23757	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	EMPORA ENERGY CENTER 345KV	145.6387	0.00093	-0.23866	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	EVANS ENERGY CENTER 138KV	495	-0.00066	-0.23709	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	FITZHUGH 161KV	120	-0.00016	-0.23759	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.23761	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	FPLWIND2 34KV	27	-0.00091	-0.23684	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GILL ENERGY CENTER 138KV	155	0.00143	-0.23623	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.23653	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	GREENWOOD 161KV	38.84283	0.00065	-0.2384	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	HAWTHORN 161KV	762	0.00091	-0.23666	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HOLTON 115KV	12.2	0.00015	-0.2378	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.23717	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	IATAN 345KV	396	0.00217	-0.23992	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0193	-0.23968	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01986	-0.23781	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIDW	KNOLL 115KV	41.71775	0.01661	-0.25436	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.23828	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	LAKE ROAD 161KV	35	0.00111	-0.23866	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	LAKE ROAD 34KV	92	0.00111	-0.23885	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	LARUSSEL 161KV	100	0.00002	-0.23777	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.2367	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	LEBROCK 345KV	465	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	MARSHALL 161KV	15	0.00046	-0.23781	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MCCLAIN 138KV	470	-0.00062	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	MONTROSE 161KV	353.2094	0.00062	-0.23837	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.2375	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.23747	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	MUSTANG 138KV	278.124	-0.0006	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NARROWS 69KV	22	-0.00029	-0.23746	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	NEARMAN 20KV	235	0.00101	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.23753	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	NORTHEASTERN STATION 345KV	880	-0.0002	-0.23753	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	OEC 345KV	369	-0.00025	-0.2375	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	OZARK BEACH 161KV	16	0.00001	-0.23776	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	PIRQUE GENERATOR 138KV	213	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	QUINDARO 161KV	87.82453	0.00101	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACY	QUINDARO 69KV	3	0.00101	-0.23876	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	REDDUB 345KV	250	-0.00054	-0.23721	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	RIVERTON 161KV	66	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.23717	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SEMINOLE 345KV	676	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.23853	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.23856	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.23713	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SOONER 138KV	1356	0.0006	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SOONER 345KV	537	-0.00057	-0.23718	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.23835	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.23682	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.23682	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	OKGE	SPGK182 13.200 345KV	33.4	-0.0006	-0.23715	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.23774	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.23659	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WELSH 345KV	1044	-0.00026	-0.23749	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WILKES 138KV	71.93583	-0.00024	-0.23751	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	AEPW	WILKES 345KV	125	-0.00024	-0.23751	11
MIDW	lyons 115kv	999	-0.16166	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.24432	11
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	A. M. MULLERGEN GENERATOR 115KV	63	-0.01685	-0.2209	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	GRAY COUNTY WIND FARM 115KV	6	-0.0098	-0.22877	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.22796	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	HARPER 138KV	8.49	-0.00938	-0.22837	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	JUDSON LARGE 115KV	86.38679	-0.011	-0.22675	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	SOUTH SENECA 115KV	8.5	-0.0038	-0.23395	12
WERE	CLAY CENTER JUNCTION 115KV	17.5	-0.23775	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.23718	12
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	MIDW	KNOLL 115KV	41.71775	0.01661	-0.17962	15
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.17721	15
MIDW	lyons 115kv	999	-0.16166	MIDW	KNOLL 115KV	41.71775	0.01661	-0.17827	15
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.16216	16
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	EMPORA ENERGY CENTER 345KV	145.6387	0.00093	-0.16394	16
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	HAWTHORN 161KV	762	0.00091	-0.16392	16
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	IATAN 345KV	396	0.00217	-0.16518	16
WERE	BPJ - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	JEFFREY ENERGY CENTER 230KV	470	0.0193	-0.16494	16
WERE	BPJ - CITY OF MCPHERSON 115KV								

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

WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	LEBRONK 345KV	465	-0.00024	-0.16277	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MARSHALL 161KV	15	0.00046	-0.16347	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16228	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	MONTROSE 161KV	353.2094	0.00062	-0.16363	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.16276	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16273	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.16239	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NARROWS 69KV	22	-0.00029	-0.16207	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 345KV	440	-0.00022	-0.16279	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	NORTHEASTERN STATION 38KV	625	-0.0002	-0.16281	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	OEC 345KV	369	-0.00025	-0.16276	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16161	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.16277	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	REBUD 345KV	250	-0.00054	-0.16247	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 161KV	66	-0.00001	-0.163	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.163	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.16243	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SEMINOLE 345KV	876	-0.00057	-0.16244	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.16379	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16382	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16239	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 138KV	535	-0.00056	-0.16245	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SOONER 345KV	537	-0.00057	-0.16244	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16361	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	SOUTH SENeca 115KV	8.5	-0.0038	-0.15921	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00083	-0.16208	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	SOUTHWESTERN STATION 138KV	469	-0.00093	-0.16208	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	OKGE	SPGCK1&2 13,200 345KV	33.4	-0.0006	-0.16241	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.163	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.15705	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.16185	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WELSH 345KV	1044	-0.00026	-0.16275	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 138KV	71.93583	-0.00024	-0.16277	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	AEPW	WILKES 345KV	125	-0.00024	-0.16277	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	WES 161KV	320	-0.00019	-0.16147	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	ASBURY 161KV	191	0.00004	-0.1617	17
MIDW	Yvons 115kv	999	-0.16166	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.16281	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	CENTRAL WIND 34KV	6	-0.0009	-0.16078	17
MIDW	Yvons 115kv	999	-0.16166	WERE	CHANUTE 69KV	50.687	-0.00006	-0.1616	17
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.16095	17
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.16168	17
MIDW	Yvons 115kv	999	-0.16166	WERE	CITY OF MULVANE 69KV	6.739	-0.00089	-0.16077	17
MIDW	Yvons 115kv	999	-0.16166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.96	0.00002	-0.16168	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	COGENTR 345KV	836	-0.0002	-0.16144	17
MIDW	Yvons 115kv	999	-0.16166	MIDW	COLBY 115KV	13.06413	-0.00131	-0.16035	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	COMANCHE 138KV	145	-0.00094	-0.16072	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	COMANCHE 69KV	60	-0.00093	-0.16073	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	EASTMAN 138KV	355	-0.00022	-0.16142	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.16138	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	ELLIS 69KV	6	-0.00018	-0.16148	17
MIDW	Yvons 115kv	999	-0.16166	WERE	EMPORIA ENERGY CENTER 345KV	145.6387	0.00093	-0.16259	17
MIDW	Yvons 115kv	999	-0.16166	WERE	EVANS ENERGY CENTER 138KV	485	-0.00066	-0.161	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	FITZJUGH 161KV	120	-0.00016	-0.1615	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.16152	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	FPLWIND2 34KV	27	-0.00091	-0.16075	17
MIDW	Yvons 115kv	999	-0.16166	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.16023	17
MIDW	Yvons 115kv	999	-0.16166	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.16044	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	GREENWOOD 161KV	38.84283	0.00065	-0.16100	17
MIDW	Yvons 115kv	999	-0.16166	KACP	HAWTHORN 161KV	762	0.00091	-0.16127	17
MIDW	Yvons 115kv	999	-0.16166	WERE	HOLTON 115KV	12.2	0.00015	-0.16181	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.16108	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	HORSESHOE LAKE 69KV	16	-0.00007	-0.16109	17
MIDW	Yvons 115kv	999	-0.16166	KACP	IATAN 345KV	396	0.00217	-0.16383	17
MIDW	Yvons 115kv	999	-0.16166	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.16359	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.16142	17
MIDW	Yvons 115kv	999	-0.16166	KACP	LACYGNE UNIT 345KV	958	0.00053	-0.16219	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	LAKE ROAD 161KV	36	0.0011	-0.16147	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	LAKE ROAD 34KV	92	0.00111	-0.16277	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	LARUSSELL 161KV	100	0.00002	-0.16168	17
MIDW	Yvons 115kv	999	-0.16166	WERE	LAWRENCE ENERGY CENTER 230KV	225.7126	-0.00105	-0.16061	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	LEBRONK 345KV	445	-0.00022	-0.16142	17
MIDW	Yvons 115kv	999	-0.16166	KACP	MARSHALL 161KV	15	0.00046	-0.16212	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	MCCLAIN 138KV	470	-0.00062	-0.16104	17
MIDW	Yvons 115kv	999	-0.16166	KACP	MONTROSE 161KV	353.2094	0.00062	-0.16228	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.16141	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.16138	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.16104	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	NARROWS 69KV	22	-0.00029	-0.16137	17
MIDW	Yvons 115kv	999	-0.16166	KACY	NEARMAN 20KV	235	0.00101	-0.16267	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.16144	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.16146	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	OEC 345KV	369	-0.00025	-0.16141	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	OZARK BEACH 161KV	16	0.00001	-0.16167	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.16247	17
MIDW	Yvons 115kv	999	-0.16166	KACP	QUINDARO 161KV	87.82453	0.0010	-0.16267	17
MIDW	Yvons 115kv	999	-0.16166	KACP	QUINDARO 69KV	72	0.00101	-0.16267	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	REBUD 345KV	250	-0.00054	-0.16112	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	RIVERTON 161KV	66	-0.00001	-0.16165	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.16165	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.16108	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	SEMINOLE 345KV	876	-0.00057	-0.16109	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.16244	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.16247	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.16104	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	SOONER 138KV	535	-0.00056	-0.16111	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	SOONER 345KV	537	-0.00057	-0.16109	17
MIDW	Yvons 115kv	999	-0.16166	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.16361	17
MIDW	Yvons 115kv	999	-0.16166	WERE	SOUTH SENeca 115KV	8.5	-0.0038	-0.15926	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00083	-0.16073	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	SOUTHWESTERN STATION 138KV	469	-0.00093	-0.16073	17
MIDW	Yvons 115kv	999	-0.16166	EMDE	SPGCK1&2 13,200 345KV	33.4	-0.0006	-0.16106	17
MIDW	Yvons 115kv	999	-0.16166	OKGE	STATE LINE 161KV	528.0889	-0.00001	-0.16166	17
MIDW	Yvons 115kv	999	-0.16166	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.15705	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.1605	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	WELSH 345KV	1044	-0.00026	-0.1614	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	WILKES 138KV	71.93583	-0.00024	-0.16142	17
MIDW	Yvons 115kv	999	-0.16166	AEPW	WILKES 345KV	125	-0.00024	-0.16142	17
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	A. M. MULLERGEREN GENERATOR 115KV	83	-0.01685	-0.14816	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.0198	-0.15203	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.15322	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	HARPER 138KV	8.49	-0.00938	-0.15363	18
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WEPL	JUDSON LARGE 115KV	86.39679	-0.011	-0.15201	18
MIDW	Yvons 115kv	999	-0.16166	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01988	-0.15068	18
MIDW	Yvons 115kv	999	-0.16166	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.15187	18
MIDW	Yvons 115kv	999	-0.16166	WEPL	HARPER 138KV	8.49	-0.00938	-0.15228	18

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

WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIPU	LAKE ROAD 161KV	35	0.00111	-0.09616	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIPU	LAKE ROAD 34KV	92	0.00111	-0.09616	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	LARUSSEL 161KV	100	0.00000	-0.09507	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACP	MARSHALL 161KV	15	0.00046	-0.09551	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACP	MONTROSE 161KV	353.2094	0.00062	-0.09567	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACD	NEARMAN 20KV	235	0.00101	-0.09606	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	QUINDARO BEACH 161KV	16	0.00001	-0.09506	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACD	QUINDARO 161KV	87.82453	0.00100	-0.09506	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACD	QUINDARO 69KV	72	0.00101	-0.09606	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	RIVERTON 161KV	66	-0.00001	-0.09504	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.09504	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.09563	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIPU	SIBLEY 69KV	45.99999	0.00081	-0.09586	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIPU	SOUTH HARPER 161KV	315	0.00006	-0.09565	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	STATE LINE 161KV	528.0889	-0.00001	-0.09504	28
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	AES 161KV	320	-0.00019	-0.09486	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	CITY OF AUGUSTA 69KV	20.02	-0.0007	-0.09435	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	COGENTRIX 345KV	865	-0.00029	-0.09476	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	MIDW	COLBY 115KV	13.06413	-0.00131	-0.09374	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	COMANCHE 138KV	145	-0.00094	-0.09411	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	COMANCHE 69KV	60	-0.00093	-0.09412	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	EASTMAN 138KV	355	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.09477	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	EVANS ENERGY CENTER 138KV	485	-0.00066	-0.09439	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	FWLINDZ 34KV	27	-0.00091	-0.09414	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	GILL ENERGY CENTER 138KV	165	-0.00143	-0.09363	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.09383	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.09447	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	HORSESHOE LAKE 69KV	16	-0.00057	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	KNOXLEE 138KV	625	-0.0002	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	LAWRENCE ENERGY CENTER 230KV	225.7216	-0.00105	-0.094	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	LEBROCK 345KV	465	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	MCCLEIN 138KV	470	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.09498	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.09477	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NARROWS 69KV	22	-0.00029	-0.09476	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.09483	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.09485	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	OEC 345KV	969	-0.00025	-0.0948	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	REDBUD 345KV	250	-0.00054	-0.09451	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.09441	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SEMINOLE 345KV	676	-0.0005	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.09443	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SOONER 138KV	535	-0.00056	-0.09449	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SOONER 345KV	537	-0.00057	-0.09448	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	SOUTHWESTERN STATION 138KV	175	-0.00003	-0.09412	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	SOUTHWESTERN STATION 338KV	459	-0.00093	-0.09412	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	OKGE	SPGCK1&2 13.200 345KV	33.4	-0.0006	-0.09445	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WEATHERFORD 34KV	12	-0.00116	-0.09389	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WELSH 345KV	1044	-0.00026	-0.09479	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	WILKES 138KV	71.93253	-0.0002	-0.09481	29
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	AEPW	WILKES 345KV	125	-0.00024	-0.09481	29
WEPL	JUDSON LARGE 115KV	16.61321	-0.011	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.09366	29
WEPL	CIMARRON RIVER 115KV	72	-0.00834	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.091	30
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	TECUMSEH ENERGY CENTER 115KV	153	-0.00461	-0.09494	30
WERE	TECUMSEH ENERGY CENTER 115KV	28	-0.00461	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08727	31
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00512	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08778	30
WERE	CITY OF AUGUSTA 69KV	17.94	-0.0007	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08336	32
WERE	CITY OF WINFIELD 69KV	40	-0.00073	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08339	32
MIDW	COLBY 115KV	11.92587	-0.00131	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08397	32
AEPW	COMANCHE 138KV	15	-0.00094	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0836	32
WERE	EVANS ENERGY CENTER 138KV	88	-0.00066	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08332	32
WERE	GETTY 69KV	35	-0.00073	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08339	32
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00143	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08409	32
WERE	GILL ENERGY CENTER 69KV	48	-0.00122	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08388	32
OKGE	HORSESHOE LAKE 138KV	508	-0.00058	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08324	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01098	-0.08407	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	22.98018	-0.00979	-0.08526	32
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.09505	WERE	JUDSON LARGE 115KV	86.3867	-0.01	-0.08405	32
WERE	LAWRENCE ENERGY CENTER 230KV	43.27841	-0.00105	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08371	32
OKGE	MCCLEIN 138KV	50	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08328	32
OKGE	MUSTANG 138KV	87.37598	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08328	32
OKGE	MUSTANG 69KV	106	-0.00062	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08328	32
OKGE	REDBUD 345KV	350	-0.00054	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08332	32
OKGE	SEMINOLE 138KV	140.0324	-0.00058	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08324	32
OKGE	SEMINOLE 345KV	153.6	-0.00057	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08323	32
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00063	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08329	32
AEPW	SOUTHWESTERN STATION 138KV	265	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08368	32
AEPW	SOUTHWESTERN STATION 338KV	603	-0.00093	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08359	32
OKGE	SPGCK1&2 13.200 345KV	44.6	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08326	32
OKGE	SPGCK3&4 13.200 345KV	168	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08326	32
OKGE	TINKER 5G 138KV	62	-0.0006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08326	32
WERE	WAGO 138KV	30	-0.00135	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08401	32
MIPU	ARIES 161KV	595	0.00064	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08202	33
AEPW	ARSENAL HILL 69KV	110	-0.00022	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08288	33
EMDE	ASBURY 161KV	20	0.00004	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08262	33
KACP	BULL CREEK 161KV	202.5894	0.00115	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08151	33
WERE	CHANUTE 69KV	29.913	-0.00006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08272	33
WERE	CITY OF BURLINGTON 69KV	16.38	0.00002	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08264	33
WERE	CITY OF ERIE 69KV	24.53	-0.00006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08272	33
KACP	CITY OF HIGGINSVILLE 69KV	36	0.0006	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08206	33
WERE	CITY OF IOLA 69KV	42.878	0.0001	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08265	33
AEPW	COGENTRIX 345KV	261.4	-0.00029	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08295	33
AEPW	EASTMAN 138KV	130.01	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0829	33
AEPW	ELLIS 69KV	20	-0.00018	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08284	33
WERE	EMPHORIA ENERGY CENTER 345KV	287.3618	0.00063	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08173	33
AEPW	FLINT CREEK 161KV	28	-0.00014	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0828	33
AEPW	FULTON 115KV	153	-0.0002	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08286	33
KACP	GARDNER 161KV	11	0.00113	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08153	33
MIPU	GREENWOOD 161KV	214.9572	0.00065	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08201	33
KACP	HATHORN 161KV	39	0.00091	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.08175	33
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00193	WERE	SMOKEY H				

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

Source Control Area	Source	Relief Amount	Aggregate Relief Amount	Maximum Decrement(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
AEPW	WILKES 138KV	416.0642	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0829	33		
AEPW	WILKES 345KV	186	-0.00024	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0829	33		
WERE	HUTCHINSON ENERGY CENTER 115KV	169	-0.0905	WEPL	J.A.M. MILLER ENERGY GENERATOR 115KV	83	-0.1685	-0.0782	35		
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01096	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.0718	38		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.09505	-0.0796	40		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.16301	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.06817	40		
MIDW	Yorns 115kv	999	-0.16166	WERE	HUTCHINSON ENERGY CENTER 69KV	30	-0.09484	-0.06882	40		
MIDW	KNOLL 115KV	34.20253	0.01661	WERE	SMOKEY HILLS 34KV	76	0.08266	-0.06882	41		
MIDW	Yorns 115kv	999	-0.16166	WERE	HUTCHINSON ENERGY CENTER 115KV	255	-0.09505	-0.06661	41		
MIDW	paawee 115kv	999	-0.03626	MIDW	KNOLL 115KV	41.71775	0.01661	-0.05287	51		
MIDW	paawee 115kv	999	-0.03626	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01986	-0.04712	57		
MIDW	paawee 115kv	999	-0.03626	KACP	IATAN 345KV	396	0.02177	-0.0369	70		
MIDW	paawee 115kv	999	-0.03626	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00193	-0.03819	71		
MIDW	paawee 115kv	999	-0.03626	KACP	BULL CREEK 161KV	210.4106	0.00115	-0.03741	72		
MIDW	paawee 115kv	999	-0.03626	MIPU	LAKE ROAD 161KV	35	0.00111	-0.03737	72		
MIDW	paawee 115kv	999	-0.03626	MIPU	LAKE ROAD 34KV	92	0.00111	-0.03737	72		
MIDW	paawee 115kv	999	-0.03626	WERE	EMPIRIA ENERGY CENTER 345KV	145.6387	0.00093	-0.03719	73		
MIDW	paawee 115kv	999	-0.03626	MIPU	GREENWOOD 161KV	38.84283	0.00065	-0.03691	73		
MIDW	paawee 115kv	999	-0.03626	KACP	HAWTHORN 161KV	762	0.00091	-0.03717	73		
MIDW	paawee 115kv	999	-0.03626	KACP	LACYONE UNIT 345KV	958	0.00053	-0.03679	73		
MIDW	paawee 115kv	999	-0.03626	KACP	MONTRÖSE 161KV	353.2094	0.00062	-0.03688	73		
MIDW	paawee 115kv	999	-0.03626	KACY	NEARMAN 20KV	235	0.00101	-0.03727	73		
MIDW	paawee 115kv	999	-0.03626	KACY	QUINDARO 161KV	87.82453	0.00101	-0.03727	73		
MIDW	paawee 115kv	999	-0.03626	KACY	QUINDARO 69KV	72	0.00101	-0.03727	73		
MIDW	paawee 115kv	999	-0.03626	MIPU	SIBLEY 161KV	230.9499	0.00078	-0.03704	73		
MIDW	paawee 115kv	999	-0.03626	MIPU	SIBLEY 69KV	45.99999	0.00078	-0.03704	73		
MIDW	paawee 115kv	999	-0.03626	MIPU	SOUTH HARPER 161KV	315	0.0006	-0.03686	73		
MIDW	paawee 115kv	999	-0.03626	EMDE	ASBURY 161KV	191	0.00004	-0.0363	74		
MIDW	paawee 115kv	999	-0.03626	OKGE	AES 161KV	320	-0.00019	-0.03607	74		
MIDW	paawee 115kv	999	-0.03626	WERE	CHANUTE 69KV	50	-0.0006	-0.03625	75		
MIDW	paawee 115kv	999	-0.03626	WERE	CITY OF BURLINGTON 69KV	10042.96	0.00002	-0.03625	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	COGENTRIX 345KV	865	-0.00029	-0.03697	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	EASTMAN 138KV	355	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	EMDE	ELK RIVER 345KV	46.01746	-0.00028	-0.03598	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	FITZJUGH 161KV	120	0.00016	-0.0361	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	FLINT CREEK 161KV	400	-0.00014	-0.03612	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	KNOXLEE 138KV	62.4253	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	EMDE	LARUSSEL 161KV	100	0.00002	-0.03628	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	LEBROCK 345KV	465	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 161KV	161	-0.00025	-0.03601	75		
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSKOGEE 345KV	1548	-0.00028	-0.03598	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHEASTERN STATION 138KV	440	-0.00022	-0.03604	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	NORTHEASTERN STATION 345KV	625	-0.0002	-0.03606	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	DEC 345KV	369	-0.00025	-0.03601	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	PIRKEY GENERATION 138KV	213	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 161KV	66	-0.00001	-0.03625	75		
MIDW	paawee 115kv	999	-0.03626	EMDE	RIVERTON 69KV	46.28937	-0.00001	-0.03625	75		
MIDW	paawee 115kv	999	-0.03626	EMDE	STATE LINE 161KV	528.0859	-0.00001	-0.03625	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	WELSH 345KV	1044	-0.00026	-0.036	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 138KV	71.93583	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	AEPW	WILKES 345KV	125	-0.00024	-0.03602	75		
MIDW	paawee 115kv	999	-0.03626	WERE	EVANS ENERGY CENTER 138KV	495	-0.0006	-0.0356	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	FPLWIND2 34KV	17	0.00007	-0.03569	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	HORSESHOE LAKE 138KV	352	-0.00058	-0.03568	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	MCCLAIN 138KV	470	-0.00062	-0.03564	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	MUSTANG 138KV	278.124	-0.00062	-0.03564	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	REDBUD 345KV	250	-0.00064	-0.03572	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 138KV	364.9676	-0.00058	-0.03568	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SEMINOLE 345KV	876	-0.00057	-0.03569	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SMITH COGEN 138KV	107	-0.00062	-0.03564	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 138KV	535	-0.00056	-0.03567	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SOONER 345KV	437	-0.00057	-0.03567	76		
MIDW	paawee 115kv	999	-0.03626	OKGE	SPGCK182 13.200 345KV	33.4	-0.0006	-0.03566	76		
MIDW	paawee 115kv	999	-0.03626	AEPW	COMANCHE 138KV	145	-0.00094	-0.03532	77		
MIDW	paawee 115kv	999	-0.03626	AEPW	COMANCHE 69KV	60	-0.00093	-0.03533	77		
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 69KV	52	-0.00122	-0.03504	77		
MIDW	paawee 115kv	999	-0.03626	WERE	LAWRENCE ENERGY CENTER 230KV	225.72	-0.00106	-0.03507	77		
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	173	-0.00093	-0.03533	77		
MIDW	paawee 115kv	999	-0.03626	AEPW	SOUTHWESTERN STATION 138KV	459	-0.00093	-0.03533	77		
MIDW	paawee 115kv	999	-0.03626	WERE	GILL ENERGY CENTER 138KV	155	-0.00143	-0.03483	78		
MIDW	paawee 115kv	999	-0.03626	WERE	TECUMSEH ENERGY CENTER 115KV	133	-0.00461	-0.03165	85		

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: WICHITA - RENO 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 2007AG1AFS41T471208AP
 Date Redispatch Needed: Starting 2008 / 4 / 1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2008 April Minimum

Source Control Area	Source	Relief Amount	Aggregate Relief Amount	Maximum Decrement(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
Reservation	1222937		0.2		0.2						
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	OKGE	AES 161KV	199.10235	-0.0004	-0.23439	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	EMDE	ASBURY 161KV	38.46559	0.00111	-0.2359	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	OKGE	CENTENIAL WIND 34KV	16	-0.00378	-0.23101	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WERE	CHANUTE 69KV	34.995	0.00122	-0.23601	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WERE	CITY OF AUGUSTA 69KV	104.3	0.0007	-0.23539	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00021	-0.237	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WERE	CITY OF ERIE 69KV	2	0.00122	-0.23601	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.23472	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	AEPW	COGENTRIX 345KV	200	-0.00067	-0.23422	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	AEPW	EASTMAN 138KV	355	-0.00081	-0.23398	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	EMDE	ELK RIVER 345KV	150	0.00109	-0.23588	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	AEPW	ELLIS 69KV	6	-0.00034	-0.23445	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	AEPW	FITZJUGH 161KV	28.99999	-0.0003	-0.23449	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	AEPW	FLINT CREEK 161KV	184	0.00012	-0.23491	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	OKGE	FPLWIND2 34KV	24.46833	-0.00382	-0.23097	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.05266	-0.18213	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9986	-0.05431	-0.18048	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	WEPL	HARPER 138KV	3.62	-0.02708	-0.20771	1		
WERE	BPU - CITY OF MCPHERSON 115KV	232	-0.23479	KACP	HAWTHORN 161KV	455	0.0038	-0.23869	1		
WERE	BPU - CITY OF MCPHERSON 115KV</										

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

WERE	ELLINWOOD 115KV	2.9	-0.21434	EMDE	ASBURY 161KV	38.44659	0.00111	-0.21545	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	CENTENAL WIND 34KV	16	-0.00378	-0.21056	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	CHANUTE 69KV	34.995	0.0122	-0.21556	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.21494	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.21655	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	CITY OF ERIE 69KV	2	0.00122	-0.21556	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.25397	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	COGENRIX 345KV	200	-0.00057	-0.21377	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	EASTMAN 138KV	355	-0.00081	-0.21353	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	EMDE	ELK RIVER 345KV	150	0.00109	-0.21543	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	ELLIS 69KV	6	-0.00034	-0.214	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	FITZLUUGH 161KV	28.99999	-0.0003	-0.21446	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	FLINT CREEK 161KV	184	0.00012	-0.21446	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	FPLWIND2 34KV	24.46833	-0.00382	-0.21052	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WEPL	GRAY COUNTY WIND FARM 115KV	70	-0.05266	-0.21688	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9986	-0.05431	-0.16003	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	HARPER 138KV	3.62	-0.02708	-0.18728	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	HAWTHORN 161KV	455	0.0038	-0.21814	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	HOLTON 115KV	6	0.00712	-0.22146	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	IATAN 348KV	396	0.05057	-0.21941	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.22778	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.21795	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.21733	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	LAWRENCE ENERGY CENTER 230KV	235.7339	0.00785	-0.22219	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	LEBROCK 345KV	315	-0.0008	-0.21354	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	MARSHALL 161KV	15	0.00213	-0.21871	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	MCCLAIN 138KV	150	-0.00225	-0.21209	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	MONTROSE 161KV	1.002979	0.00342	-0.21776	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	MUSKOGEE 161KV	60	-0.00048	-0.21386	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	MUSKOGEE 345KV	1419	-0.0006	-0.21878	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACY	NEARMAN 20KV	169.5	0.00434	-0.21868	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.21418	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	NORTHEASTERN STATION 345KV	60	-0.00002	-0.21432	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACP	OEC 345KV	269	-0.0041	-0.21393	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	EMDE	OZARK BEACH 161KV	16	0.00066	-0.215	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	KACY	QUINDARO 161KV	86.83023	0.00432	-0.21866	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	REDBUD 345KV	150	-0.0018	-0.21254	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	SEMINOLE 138KV	11.80778	-0.00209	-0.21225	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	MIPU	SIBLEY 161KV	20.61749	0.00357	-0.21791	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.21215	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.22677	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	OKGE	SOONER 138KV	535	-0.00142	-0.21292	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	SOUTH SENECA 115KV	4	0.02685	-0.21699	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	EMDE	STATE LINE 161KV	32	0.00084	-0.21518	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.22315	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.20874	1
WERE	ELLINWOOD 115KV	2.9	-0.21434	AEPW	WELSH 345KV	167.9487	-0.0009	-0.21344	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	AES 161KV	193	-0.002	-0.18529	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	EMDE	ASBURY 161KV	38.44659	0.00111	-0.1868	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	CENTENAL WIND 34KV	16	-0.00378	-0.18191	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	CHANUTE 69KV	34.995	0.01222	-0.18691	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.18629	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	CITY OF BURLINGTON 69KV	10023.8	0.0022	-0.1878	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	CITY OF ERIE 69KV	2	0.00122	-0.18691	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.22532	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	COGENRIX 345KV	200	-0.00057	-0.18512	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	EASTMAN 138KV	355	-0.00081	-0.18488	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	EMDE	ELK RIVER 345KV	150	0.00109	-0.18536	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	ELLIS 69KV	6	-0.00034	-0.18535	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	FITZLUUGH 161KV	28.99999	-0.0003	-0.18539	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	FLINT CREEK 161KV	184	0.00012	-0.18581	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	FPLWIND2 34KV	24.46833	-0.00382	-0.21817	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WEPL	HARPER 138KV	3.62	-0.02708	-0.15861	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACP	HAWTHORN 161KV	455	0.0038	-0.18949	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	HOLTON 115KV	6	0.00712	-0.19281	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACP	IATAN 348KV	396	0.05057	-0.19076	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.19582	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.1893	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.18868	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	LAWRENCE ENERGY CENTER 230KV	235.7339	0.00785	-0.19354	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	LEBROCK 345KV	315	-0.0008	-0.18545	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACP	MARSHALL 161KV	15	0.00213	-0.18782	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	MCCLAIN 138KV	150	-0.00225	-0.18344	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACP	MONTROSE 161KV	1.002979	0.00342	-0.18911	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	MUSKOGEE 161KV	60	-0.00048	-0.18521	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	MUSKOGEE 345KV	1419	-0.0006	-0.18529	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACY	NEARMAN 20KV	169.5	0.00434	-0.19003	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.18553	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	NORTHEASTERN STATION 345KV	60	-0.00002	-0.18567	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	OEC 345KV	269	-0.0041	-0.18528	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	EMDE	OZARK BEACH 161KV	16	0.00066	-0.18525	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	KACY	QUINDARO 161KV	86.83023	0.00432	-0.19001	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	REDBUD 345KV	150	-0.0018	-0.18389	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	SEMINOLE 138KV	11.80778	-0.00209	-0.1838	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	MIPU	SIBLEY 161KV	20.61749	0.00357	-0.18528	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.1835	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.19812	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	OKGE	SOONER 138KV	535	-0.00142	-0.18427	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	SOUTH SENECA 115KV	4	0.02685	-0.18534	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	EMDE	STATE LINE 161KV	32	0.00084	-0.18653	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.1945	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.18009	1
WERE	HUTCHINSON ENERGY CENTER 115KV	412.5371	-0.18569	AEPW	WELSH 345KV	167.9487	-0.0009	-0.18479	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	OKGE	AES 161KV	193	-0.002	-0.18548	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	EMDE	ASBURY 161KV	38.44659	0.00111	-0.18649	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	OKGE	CENTENAL WIND 34KV	16	-0.00378	-0.1816	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WERE	CHANUTE 69KV	34.995	0.01222	-0.1866	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.18588	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.18759	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WERE	CITY OF ERIE 69KV	2	0.00122	-0.1866	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.22501	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	AEPW	COGENRIX 345KV	200	-0.00057	-0.18481	1
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	AEPW	EASTMAN 138KV	355	-0.00081</		

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

WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	AEPW	WELSH 345KV	167.9487	-0.0009	-0.18448	1
MIDW	Yvons 115kv	999	-0.223	OKGE	AES 161KV	199.1025	-0.0004	-0.2226	1
MIDW	Yvons 115kv	999	-0.223	EMDE	ASBURY 161KV	38.44659	0.0011	-0.22411	1
MIDW	Yvons 115kv	999	-0.223	OKGE	CENTENIAL WIND 34KV	16	-0.00378	-0.21922	1
MIDW	Yvons 115kv	999	-0.223	WERE	CHANUTE 69KV	34.995	0.00122	-0.22422	1
MIDW	Yvons 115kv	999	-0.223	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.2236	1
MIDW	Yvons 115kv	999	-0.223	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.22521	1
MIDW	Yvons 115kv	999	-0.223	WERE	CITY OF ERIE 69KV	70	0.0022	-0.22422	1
MIDW	Yvons 115kv	999	-0.223	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.26263	1
MIDW	Yvons 115kv	999	-0.223	AEPW	COGENTRIX 345KV	200	-0.00057	-0.22243	1
MIDW	Yvons 115kv	999	-0.223	AEPW	EASTMAN 138KV	355	-0.00081	-0.22219	1
MIDW	Yvons 115kv	999	-0.223	EMDE	ELK RIVER 345KV	150	0.01009	-0.22411	1
MIDW	Yvons 115kv	999	-0.223	AEPW	ELLIS 69KV	6	-0.00034	-0.22266	1
MIDW	Yvons 115kv	999	-0.223	AEPW	FITZHUGH 161KV	28.99999	-0.0003	-0.2227	1
MIDW	Yvons 115kv	999	-0.223	AEPW	FLINT CREEK 161KV	184	0.00012	-0.22312	1
MIDW	Yvons 115kv	999	-0.223	OKGE	FRLOWND 34KV	24.46833	-0.00382	-0.21918	1
MIDW	Yvons 115kv	999	-0.223	WEPL	GRAY COUNTY WIND FARM 115KV	166.9998	-0.05431	-0.16869	1
MIDW	Yvons 115kv	999	-0.223	KAACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9998	-0.05431	-0.16869	1
MIDW	Yvons 115kv	999	-0.223	WEPL	HARPER 138KV	3.62	-0.02708	-0.19592	1
MIDW	Yvons 115kv	999	-0.223	KAACP	HAWTHORN 161KV	455	0.0038	-0.2268	1
MIDW	Yvons 115kv	999	-0.223	WEPL	HOLTON 115KV	6	0.00712	-0.23012	1
MIDW	Yvons 115kv	999	-0.223	KAACP	IATAN 345KV	396	0.00507	-0.2269	1
MIDW	Yvons 115kv	999	-0.223	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.23644	1
MIDW	Yvons 115kv	999	-0.223	KAACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.22661	1
MIDW	Yvons 115kv	999	-0.223	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.22599	1
MIDW	Yvons 115kv	999	-0.223	WERE	LAWRENCE ENERGY CENTER 230KV	235.7839	0.00785	-0.23085	1
MIDW	Yvons 115kv	999	-0.223	AEPW	LEBROCK 345KV	315	-0.0008	-0.2222	1
MIDW	Yvons 115kv	999	-0.223	KAACP	MARSHALL 161KV	15	0.00213	-0.22513	1
MIDW	Yvons 115kv	999	-0.223	OKGE	MCCLAIN 138KV	150	-0.00225	-0.22075	1
MIDW	Yvons 115kv	999	-0.223	OKGE	MONTROSE 161KV	1,002,979	0.00342	-0.22542	1
MIDW	Yvons 115kv	999	-0.223	OKGE	MUSKOGEE 161KV	60	-0.00048	-0.22228	1
MIDW	Yvons 115kv	999	-0.223	OKGE	MUSKOGEE 345KV	1419	-0.0006	-0.2224	1
MIDW	Yvons 115kv	999	-0.223	KACY	NEARMAN 20KV	169.5	0.00434	-0.22734	1
MIDW	Yvons 115kv	999	-0.223	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.22284	1
MIDW	Yvons 115kv	999	-0.223	AEPW	NORTHEASTERN STATION 345KV	60	-0.0002	-0.2238	1
MIDW	Yvons 115kv	999	-0.223	AEPW	OEC 345KV	269	-0.00041	-0.22259	1
MIDW	Yvons 115kv	999	-0.223	EMDE	OZARK BEACH 161KV	16	0.00066	-0.22366	1
MIDW	Yvons 115kv	999	-0.223	KACY	QUINDARO 161KV	86.83023	0.00432	-0.22732	1
MIDW	Yvons 115kv	999	-0.223	OKGE	REDDUB 345KV	150	-0.0018	-0.2212	1
MIDW	Yvons 115kv	999	-0.223	OKGE	SEMINOLE 138KV	11,807.78	-0.00209	-0.22091	1
MIDW	Yvons 115kv	999	-0.223	MIPU	SIBLEY 161KV	20,617.49	0.00357	-0.22657	1
MIDW	Yvons 115kv	999	-0.223	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.22081	1
MIDW	Yvons 115kv	999	-0.223	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.23543	1
MIDW	Yvons 115kv	999	-0.223	OKGE	SOONER 138KV	535	-0.00142	-0.22162	1
MIDW	Yvons 115kv	999	-0.223	WERE	SOUTH SENECA 115KV	4	0.00265	-0.22565	1
MIDW	Yvons 115kv	999	-0.223	EMDE	STATE LINE 161KV	32	0.00084	-0.22384	1
MIDW	Yvons 115kv	999	-0.223	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.23181	1
MIDW	Yvons 115kv	999	-0.223	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.21716	1
MIDW	Yvons 115kv	999	-0.223	AEPW	WELSH 345KV	167.9487	-0.0009	-0.2221	1
MIDW	Yvons 115kv	999	-0.223	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.18293	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	EMDE	ASBURY 161KV	38.44659	0.00111	-0.08233	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	CHANUTE 69KV	34.995	0.00122	-0.08244	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.08162	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.08343	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	CITY OF ERIE 69KV	70	0.0022	-0.08244	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.12085	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	EMDE	ELK RIVER 345KV	150	0.01009	-0.08231	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	AEPW	FLINT CREEK 161KV	184	0.00012	-0.08134	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KAACP	HAWTHORN 161KV	455	0.0038	-0.08502	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	HOLTON 115KV	6	0.00712	-0.08834	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KAACP	IATAN 345KV	396	0.00507	-0.08629	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.08466	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KAACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.08483	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.08421	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	LAWRENCE ENERGY CENTER 230KV	235.7839	0.00785	-0.08907	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KAACP	MARSHALL 161KV	15	0.00213	-0.08335	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	OKGE	MONTROSE 161KV	1,002,979	0.00342	-0.08264	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KACY	NEARMAN 20KV	169.5	0.00434	-0.08556	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.08106	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	AEPW	NORTHEASTERN STATION 345KV	60	-0.0002	-0.0812	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KAACP	OZARK BEACH 161KV	16	0.00066	-0.08166	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	KACY	QUINDARO 161KV	86.83023	0.00432	-0.08554	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	MIPU	SIBLEY 161KV	20,617.49	0.00357	-0.08479	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.09365	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	SOUTH SENECA 115KV	4	0.00265	-0.08367	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	STATE LINE 161KV	32	0.00084	-0.08268	2
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	93	-0.08122	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.09003	2
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.08484	2
WERE	HUTCHINSON ENERGY CENTER 115KV	412.8371	-0.18569	WEPL	GRAY COUNTY WIND FARM 115KV	166.9998	-0.05266	-0.13043	2
WERE	HUTCHINSON ENERGY CENTER 115KV	412.8371	-0.18569	KAACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9998	-0.05431	-0.13138	2
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	WEPL	GRAY COUNTY WIND FARM 115KV	166.9998	-0.05266	-0.13272	2
WERE	HUTCHINSON ENERGY CENTER 69KV	52	-0.18538	KAACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166.9998	-0.05431	-0.13107	2
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.09227	2
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.08854	2
MIDW	Yvons 115kv	999	-0.09866	OKGE	AES 161KV	199.1025	-0.0004	-0.09926	2
MIDW	Yvons 115kv	999	-0.09866	EMDE	ASBURY 161KV	38.44659	0.00111	-0.09977	2
MIDW	Yvons 115kv	999	-0.09866	OKGE	CENTENIAL WIND 34KV	16	-0.00378	-0.09488	2
MIDW	Yvons 115kv	999	-0.09866	WERE	CHANUTE 69KV	34.995	0.00122	-0.09988	2
MIDW	Yvons 115kv	999	-0.09866	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.09926	2
MIDW	Yvons 115kv	999	-0.09866	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.10087	2
MIDW	Yvons 115kv	999	-0.09866	WERE	CITY OF ERIE 69KV	70	0.0022	-0.09988	2
MIDW	Yvons 115kv	999	-0.09866	AEPW	COGENTRIX 345KV	200	-0.00057	-0.09809	2
MIDW	Yvons 115kv	999	-0.09866	AEPW	EASTMAN 138KV	355	-0.00081	-0.09785	2
MIDW	Yvons 115kv	999	-0.09866	EMDE	ELK RIVER 345KV	150	0.01009	-0.09875	2
MIDW	Yvons 115kv	999	-0.09866	AEPW	ELLIS 69KV	6	-0.00034	-0.09832	2
MIDW	Yvons 115kv	999	-0.09866	AEPW	FITZHUGH 161KV	28.99999	-0.0003	-0.09836	2
MIDW	Yvons 115kv	999	-0.09866	AEPW	FLINT CREEK 161KV	184	0.00012	-0.09878	2
MIDW	Yvons 115kv	999	-0.09866	OKGE	FRLOWND 34KV	24.46833	-0.00382	-0.09949	2
MIDW	Yvons 115kv	999	-0.09866	KAACP	HAWTHORN 161KV	455	0.0038	-0.10246	2
MIDW	Yvons 115kv	999	-0.09866	WERE	HOLTON 115KV	6	0.00712	-0.10578	2
MIDW	Yvons 115kv	999	-0.09866	KAACP	IATAN 345KV	396	0.00507	-0.10373	2
MIDW	Yvons 115kv	999	-0.09866	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.1121	2
MIDW	Yvons 115kv	999	-0.09866	KAACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.10227	2
MIDW	Yvons 115kv	999	-0.09866	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.10165	2
MIDW	Yvons 115kv	999	-0.09866	WERE					

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

WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	OKGE	MUSKOGEE 345KV	1419	-0.0006	-0.08062	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	AEPW	DEC 345KV	269	-0.0041	-0.08081	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	OKGE	REBUD 345KV	150	-0.0018	-0.07942	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	OKGE	SEMINOLE 138KV	1180778	-0.00209	-0.07913	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.07903	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	OKGE	SOONER 138KV	535	-0.00142	-0.0798	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.07562	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	AEPW	WELSH 345KV	1679487	-0.0009	-0.08023	3
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.05865	3
MIDW	COLBY 115KV	25.6035	-0.03584	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.07547	3
WEPL	HARPER 138KV	13.59	-0.02708	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.06671	3
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	HOLTON 115KV	6	0.00712	-0.05978	3
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.06608	3
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	LAWRENCE ENERGY CENTER 230KV	235.7839	0.00785	-0.06049	3
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.06507	3
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.06145	3
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.06235	3
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.06134	3
MIDW	paamee 115kv	999	-0.09866	WEPL	HARPER 138KV	3.62	-0.02708	-0.07158	3
WEPL	A. M. MULLERGRN GENERATOR 115KV	93	-0.08122	WEPL	HARPER 138KV	3.62	-0.02708	-0.05414	4
WERE	BPU - CITY OF MOPEMERSON 115KV	233	-0.23479	WERE	HUTCHINSON ENERGY CENTER 115KV	56.46289	-0.18569	-0.0491	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	EMDE	ASBURY 161KV	38.44659	0.00111	-0.04632	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	CHANUTE 69KV	34.995	0.00122	-0.04643	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.04581	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.04742	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	CITY OF ERIE 69KV	2	0.00122	-0.04643	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	EMDE	ELK RIVER 345KV	150	0.00109	-0.04663	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	FLINT CREEK 161KV	184	0.00012	-0.04533	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACP	HAWTHORN 161KV	455	0.0038	-0.04901	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	HOLTON 115KV	6	0.00712	-0.05233	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACP	IATAN 345KV	396	0.00507	-0.05028	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.04882	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.0482	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	LAWRENCE ENERGY CENTER 230KV	235.7839	0.00785	-0.05306	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACP	MARSHALL 161KV	15	0.00066	-0.04734	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACY	NEARMAN 20KV	169.5	0.00434	-0.04955	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.04505	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	NORTHEASTERN STATION 345KV	60	-0.00002	-0.04519	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	EMDE	OZARK BEACH 161KV	16	0.00066	-0.04587	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	KACY	QUINDARO 161KV	86.83023	0.00432	-0.04953	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	MIPU	SIBLEY 161KV	20.61749	0.00357	-0.04878	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.05764	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	SOUTH SENECA 115KV	4	0.00285	-0.04796	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	EMDE	STATE LINE 161KV	32	0.00084	-0.04747	4
WEPL	CIMARRON RIVER 115KV	72	-0.04521	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.05402	4
MIDW	COLBY 115KV	25.6035	-0.03584	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.04928	4
MIDW	COLBY 115KV	25.6035	-0.03584	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.04827	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	AES 161KV	199.1025	-0.0004	-0.05387	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	EMDE	ASBURY 161KV	38.44659	0.00111	-0.05375	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	CENTENIAL WIND 34KV	16	-0.00378	-0.04886	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	CHANUTE 69KV	34.995	0.00122	-0.05386	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.05324	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.05485	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	CITY OF ERIE 69KV	2	0.00122	-0.05386	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	COGENTRIX 345KV	200	-0.00057	-0.05207	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	EASTMAN 138KV	355	-0.00081	-0.05183	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	EMDE	ELK RIVER 345KV	150	0.00109	-0.05373	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	ELLIS 69KV	6	-0.00034	-0.05244	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	FITZHUGH 161KV	28.99999	-0.0003	-0.05234	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	FLINT CREEK 161KV	184	0.00012	-0.05276	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	FPLW22 34KV	24.46833	-0.00382	-0.04882	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	HAWTHORN 161KV	455	0.0038	-0.05444	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	KACP	IATAN 345KV	396	0.00507	-0.05771	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.05625	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.05563	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	LEBROCK 345KV	315	-0.0008	-0.05477	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	KACP	MARSHALL 161KV	15	0.00066	-0.05487	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	MCCLAIN 138KV	150	-0.00225	-0.05039	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	MUSKOGEE 161KV	60	-0.00048	-0.05216	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	MUSKOGEE 345KV	1419	-0.0006	-0.05204	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	KACY	NEARMAN 20KV	169.5	0.00434	-0.05089	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	NORTHEASTERN STATION 138KV	45	-0.00016	-0.05248	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	NORTHEASTERN STATION 345KV	60	-0.00002	-0.05262	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	DEC 345KV	269	-0.0041	-0.05223	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	EMDE	OZARK BEACH 161KV	16	0.00066	-0.05333	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	QUINDARO 161KV	86.83023	0.00432	-0.05066	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	REBUD 345KV	150	-0.0018	-0.05084	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	SEMINOLE 138KV	1180778	-0.00209	-0.05055	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	MIPU	SIBLEY 161KV	20.61749	0.00357	-0.05621	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.05405	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	OKGE	SOONER 138KV	535	-0.00142	-0.05122	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	WERE	SOUTH SENECA 115KV	4	0.00285	-0.05529	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	EMDE	STATE LINE 161KV	32	0.00084	-0.05348	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.04704	4
WEPL	JUDSON LARGE 115KV	133.9329	-0.05264	AEPW	WELSH 345KV	1679487	-0.0009	-0.05174	4
MIDW	KNOLL 115KV	75.924	-0.04891	OKGE	AES 161KV	199.1025	-0.0004	-0.04851	4
MIDW	KNOLL 115KV	75.924	-0.04891	EMDE	ASBURY 161KV	38.44659	0.00111	-0.05002	4
MIDW	KNOLL 115KV	75.924	-0.04891	OKGE	CENTENIAL WIND 34KV	16	-0.00378	-0.04513	4
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	CHANUTE 69KV	34.995	0.00122	-0.05313	4
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	CITY OF AUGUSTA 69KV	14.91	0.0006	-0.04951	4
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	CITY OF BURLINGTON 69KV	10023.8	0.00221	-0.05112	4
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	CITY OF ERIE 69KV	2	0.00122	-0.05013	4
MIDW	KNOLL 115KV	75.924	-0.04891	AEPW	COGENTRIX 345KV	200	-0.00057	-0.04834	4
MIDW	KNOLL 115KV	75.924	-0.04891	AEPW	EASTMAN 138KV	355	-0.00081	-0.0481	4
MIDW	KNOLL 115KV	75.924	-0.04891	EMDE	ELK RIVER 345KV	150	0.00109	-0.05	4
MIDW	KNOLL 115KV	75.924	-0.04891	AEPW	ELLIS 69KV	6	-0.00034	-0.04861	4
MIDW	KNOLL 115KV	75.924	-0.04891	AEPW	FITZHUGH 161KV	28.99999	-0.0003	-0.04877	4
MIDW	KNOLL 115KV	75.924	-0.04891	AEPW	FLINT CREEK 161KV	184	0.00012	-0.04803	4
MIDW	KNOLL 115KV	75.924	-0.04891	OKGE	FPLW22 34KV	24.46833	-0.00382	-0.04509	4
MIDW	KNOLL 115KV	75.924	-0.04891	KACP	HAWTHORN 161KV	455	0.0038	-0.05271	4
MIDW	KNOLL 115KV	75.924	-0.04891	WERE	HOLTON 115KV	6	0.00712	-0.05603	4
MIDW	KNOLL 115KV	75.924	-0.04891	KACP	IATAN 345KV	396	0.00507	-0.05398	4
MIDW	KNOLL 115KV	75.924	-0.04891	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.05252	4

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

WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	MCCLAIN 138KV	150	-0.00225	-0.04296	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	MUSKOGEE 161KV	60	-0.00048	-0.04473	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	MUSKOGEE 345KV	1419	-0.0036	-0.04461	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	OEC 345KV	269	-0.00041	-0.0448	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	REDBUD 345KV	150	-0.0018	-0.04341	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	SEMINOLE 138KV	11,80778	-0.00209	-0.04312	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	SMITH COGEN 138KV	107	-0.00219	-0.04302	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	OKGE	SOONER 138KV	535	-0.00142	-0.04302	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.03961	5
WEPL	CIMARRON RIVER 115KV	72	-0.04521	AEPW	WELSH 345KV	167,9487	-0.0009	-0.04431	5
WERE	CITY OF AUGUSTA 69KV	17,41999	0.0006	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03903	5
WERE	CITY OF BURLINGSTON 69KV	54,7	0.00221	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03742	5
WERE	CITY OF ERIE 69KV	24,53	0.00122	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03841	5
WERE	CITY OF FREDONIA 69KV	10,294	0.001	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03863	5
WERE	CITY OF GIRARD 69KV	10,7	0.00123	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0384	5
WERE	CITY OF IOLA 69KV	42,878	0.00139	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03824	5
WERE	CITY OF MILWAUKEE 69KV	15,73	-0.00044	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04007	5
WERE	CITY OF NEDESHA 69KV	6,738	0.00091	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03872	5
WERE	CITY OF WINFIELD 69KV	40	-0.00052	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04015	5
WEPL	CLIFTON 115KV	70	-0.00314	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04277	5
WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	20	0.00221	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03742	5
AEPW	COGENTRIX 345KV	694	-0.00057	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0402	5
MIDW	COLBY 115KV	25,6035	-0.03584	EMDE	ASBURY 161KV	38,44659	0.00111	-0.03695	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	CHANULE 69KV	34,995	0.00122	-0.03706	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	CITY OF BURLINGSTON 69KV	10023,8	0.00221	-0.03805	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	CITY OF ERIE 69KV	10,7	0.00122	-0.03706	5
MIDW	COLBY 115KV	25,6035	-0.03584	EMDE	ELK RIVER 345KV	150	0.00109	-0.03693	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	HAWTHORN 161KV	455	0.0038	-0.03964	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	HOLTON 115KV	6	0.00712	-0.04296	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	IATAN 345KV	396	0.00507	-0.04091	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	LACYGNE UNIT 345KV	517,0568	0.00361	-0.03945	5
MIDW	COLBY 115KV	25,6035	-0.03584	MIPU	LAKE ROAD 34KV	6,7229	0.00299	-0.03883	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	LAWRENCE ENERGY CENTER 230KV	235,7839	0.00785	-0.04369	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	MARSHALL 161KV	15	0.00213	-0.03797	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	NEARMAN 20KV	16,5	0.0044	-0.04018	5
MIDW	COLBY 115KV	25,6035	-0.03584	KACP	QUINDARO 161KV	86,83023	0.00432	-0.04016	5
MIDW	COLBY 115KV	25,6035	-0.03584	MIPU	SIBLEY 161KV	20,61749	0.00357	-0.03941	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	SOUTH SENECA 115KV	4	0.00265	-0.03849	5
MIDW	COLBY 115KV	25,6035	-0.03584	WERE	TECUMSEH ENERGY CENTER 115KV	73	0.00881	-0.04465	5
AEPW	COMANCHE 138KV	195	-0.00428	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04391	5
AEPW	COMANCHE 69KV	78	-0.00425	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04388	5
AEPW	EASTMAN 138KV	130,01	-0.00081	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04044	5
AEPW	ELLIS 69KV	20	-0.00034	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03997	5
WERE	EVANS ENERGY CENTER 138KV	848	0.00028	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04035	5
AEPW	FITZHUGH 161KV	112	-0.0003	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03993	5
AEPW	FLINT CREEK 161KV	244	0.00012	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03951	5
AEPW	FULTON 115KV	153	-0.00064	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04027	5
WERE	GILTY 69KV	385	0.00099	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04073	5
WERE	GILL ENERGY CENTER 138KV	285	-0.00214	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04177	5
WERE	GILL ENERGY CENTER 69KV	118	-0.00151	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04114	5
WEPL	HARPER 138KV	13,59	-0.02708	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01344	-0.04052	5
WEPL	HARPER 138KV	13,59	-0.02708	WERE	SMOKEY HILLS 34KV	152	0.01243	-0.03951	5
OKGE	HORSESHOE LAKE 138KV	860	-0.00201	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04164	5
OKGE	HORSESHOE LAKE 69KV	16	-0.00197	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0416	5
AEPW	KIOWA 345KV	1348	-0.00184	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04147	5
MIDW	KNOLL 115KV	75,924	-0.04891	AEPW	WEATHERFORD 34KV	12	-0.0056	-0.04331	5
AEPW	KNOLLEE 138KV	483	-0.0008	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04043	5
EMDE	LARUSSEL 161KV	298	0.00099	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03974	5
AEPW	LEBROCK 345KV	352	-0.0008	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04043	5
AEPW	LEBERMAN 138KV	272	-0.00074	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04037	5
AEPW	LIONSTAR POWER PLANT 69KV	50	-0.00084	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04047	5
MIDW	LYONS 115KV	999	-0.223	WERE	HUTCHINSON ENERGY CENTER 115KV	56,46269	-0.18569	-0.03721	5
KACP	MARSHALL 161KV	39,1	0.00213	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0375	5
OKGE	MCCLAIN 138KV	370	-0.00225	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04188	5
AEPW	MID-CONTINENT 138KV	142,11	-0.00007	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0397	5
OKGE	MUSKOGEE 161KV	106	-0.00048	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04011	5
OKGE	MUSKOGEE 345KV	148	-0.00038	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04023	5
OKGE	MUSTANG 138KV	365,5	-0.0022	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04183	5
OKGE	MUSTANG 69KV	106	-0.00221	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04184	5
AEPW	NARROWS 69KV	30	-0.00099	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04062	5
MIPU	NEVADA 69KV	20,3	0.00276	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04067	5
AEPW	NORTH MARSHALL 69KV	5	-0.00079	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04042	5
AEPW	NORTHEASTERN STATION 138KV	650	-0.00016	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03979	5
AEPW	NORTHEASTERN STATION 345KV	585	-0.00002	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03965	5
AEPW	OEC 345KV	1878,03	-0.00041	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04004	5
MIDW	OXFORD 138KV	3	0.00048	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04011	5
AEPW	paawee 115KV	999	-0.09866	KACP	GREAT PLAINS ENERGY WIND GENERATION AT SPEARVILLE 230KV	166,9998	-0.05431	-0.04435	5
AEPW	PIRKEY GENERATION 138KV	464	-0.0008	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04043	5
OKGE	REDBUD 345KV	1050	-0.00118	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04143	5
MIDW	Red 115KV	999	-0.00096	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03969	5
EMDE	RIVERTON 161KV	285	0.00084	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03879	5
EMDE	RIVERTON 69KV	68,1715	0.00082	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03881	5
OKGE	SEMINOLE 138KV	493,1923	-0.00209	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04172	5
OKGE	SEMINOLE 345KV	1029,6	-0.00204	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04167	5
OKGE	SMITH COGEN 138KV	3	-0.00219	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04182	5
OKGE	SOONER 138KV	5	-0.00142	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04105	5
OKGE	SOONER 345KV	540	-0.00156	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04119	5
OKGE	SOUTH 4TH ST 69KV	42,7	-0.00185	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04148	5
WERE	SOUTH SENECA 115KV	12,7	0.00265	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03968	5
AEPW	SOUTHWESTERN STATION 138KV	463	-0.00422	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04385	5
AEPW	SOUTHWESTERN STATION 345KV	1242	-0.00422	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04385	5
OKGE	SPGCK1&2 13,200 345KV	168	-0.00198	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04161	5
OKGE	SPGCK3&4 13,200 345KV	168	-0.00198	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04161	5
EMDE	STATE LINE 161KV	574	0.00084	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04079	5
OKGE	TINKER 50 138KV	62	-0.00211	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04174	5
AEPW	TONITOWN 161KV	346,12	0.0001	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.03953	5
AEPW	TULSA POWER STATION 138KV	320	-0.00052	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04015	5
AEPW	TULSA POWER STATION 69KV	80	-0.00052	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04015	5
WERE	WACO 138KV	30	0.00189	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04152	5
AEPW	WELEETKA 138KV	162	-0.00118	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04081	5
AEPW	WELSH 345KV	1236,051	-0.0009	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04053	5
AEPW	WILKES 138KV	528	-0.00083	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04046	5
AEPW	WILKES 345KV	351	-0.00082	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.04045	5
MIPU	ARIES 161KV	595	0.00393	WERE	CLAY CENTER JUNCTION 115KV	6,7	0.03963	-0.0357	6</

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

WERE	HOLTON 115KV	13.8	0.00712	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03251	6
KACP	TATAN 345KV	204.832	0.00507	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03456	6
KACY	XAWI 69KV	242	0.0043	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03333	6
KACP	LACYGNE UNIT 345KV	440.9342	0.00361	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03602	6
MIPU	LAKE ROAD 161KV	138	0.00299	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03664	6
MIPU	LAKE ROAD 34KV	85.2771	0.00299	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03664	6
WERE	LAWRENCE ENERGY CENTER 230KV	33.21609	0.00785	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03178	6
KACP	MONTROSE 161KV	468.997	0.00342	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03921	6
KACY	NEARMAN 161KV	80	0.00434	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03529	6
KACY	NEARMAN 20KV	65.49998	0.00434	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03529	6
KACP	NORTHEAST 13KV	277	0.00394	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03569	6
KACP	NORTHEAST 161KV	277	0.00394	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03569	6
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0038	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03583	6
KACY	QUINDARO 161KV	150.1698	0.00432	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03531	6
KACY	QUINDARO 69KV	177	0.00431	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03532	6
MIPU	RALPH GREEN 69KV	73.7	0.00386	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03577	6
MIPU	SIBLEY 161KV	229.3825	0.00357	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03606	6
MIPU	SIBLEY 69KV	107.2	0.00362	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03601	6
MIPU	SOUTH HARPER 161KV	315	0.00422	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03541	6
MIPU	TWA 161KV	32.1	0.00407	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03556	6
MIDW	COLBY 115KV	25.6038	-0.03584	AEPW	WEATHERFORD 34KV	12	-0.0058	-0.0324	7
WEPL	HARPER 138KV	13.59	-0.02708	KACP	HAWTHORN 161KV	455	0.0038	-0.03088	7
WEPL	HARPER 138KV	13.59	-0.02708	KACP	LACYGNE UNIT 345KV	517.0658	0.00361	-0.03069	7
WEPL	HARPER 138KV	13.59	-0.02708	MIPU	LAKE ROAD 34KV	6.7229	0.00299	-0.03007	7
WEPL	HARPER 138KV	13.59	-0.02708	MIPU	SIBLEY 161KV	20.61749	0.00357	-0.03065	7
WERE	TECUMSEH ENERGY CENTER 115KV	88	0.00881	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03082	7
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00807	WERE	CLAY CENTER JUNCTION 115KV	6.7	0.03963	-0.03056	7

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Table 7 - Deferred Expansion Plan Projects

Transmission Owner	Upgrade	Solution	Deferred Group	Date Upgrade needed per AG study.	Assigned Upgrade E & C in consideration of deferral	Date Upgrade Needed per Expansion Plan	Expansion Plan E & C Cost
SPS	Mooreland - TUCO 345 kV SPS	New 345 kV line from Tuco to Mooreland on wooden h-frame structures.	1	1/1/2012	\$ 56,925,223.06		
WFEC	Mooreland - TUCO 345 kV WFEC	345 kV line Terminal	1	1/1/2012	\$ 2,801,175.52		
WFEC	Mooreland 345/138 kV Transformer CKT 2	New Mooreland 345/138 kV Transformer #2	1	1/1/2012	\$ 4,201,763.25		
WFEC	Mooreland - Potter 345 kV WFEC deferred	345 kV line Terminal	1			6/1/2015	\$ 5,000,000
SPS	Mooreland - Potter 345 kV SPS deferred	New 345 kV line from Potter to Mooreland on wooden h-frame structures.	1			6/1/2015	\$ 61,850,000
Note: Within a deferral group, the expansion plan upgrade(s) that were deferred as a result of a requested upgrade are so noted.							