



*Aggregate Facility Study
SPP-2006-AG3-AFS-6a
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

Table of Contents

1. Executive Summary.....	3
2. Introduction	5
A. FINANCIAL ANALYSIS.....	8
B. THIRD PARTY UPGRADES.....	10
3. Study Methodology	10
A. DESCRIPTION	11
B. MODEL DEVELOPMENT.....	12
C. TRANSMISSION REQUEST MODELING.....	14
D. TRANSFER ANALYSIS.....	14
E. CURTAILMENT AND REDISPATCH EVALUATION.....	14
4. Study Results.....	16
A. STUDY ANALYSIS RESULTS.....	16
B. STUDY DEFINITIONS.....	16
5. Conclusion.....	20
Appendix A	21

1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 3567 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 \$236 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 \$782 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 \$6 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 June 15th, 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 June 30th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.~~

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

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

2. Introduction

On January 21, 2005, the Federal Energy Regulatory Commission accepted Southwest Power Pool's proposed aggregate transmission study procedures in Docket ER05-109 to become effective February 1, 2005. The proposed cost allocation and cost recovery provisions were accepted for filing and suspended to become effective the earlier of five months from the requested effective date (July 1, 2005) or a further order of the Commission in the proceeding subject to refund. Since that time, the cost allocation and cost recovery provisions have been accepted with modification. The following link can be used to access the SPP Regulatory/FERC webpage:

(http://www.spp.org/Objects/FERC_filings.cfm). The hyperlinks under the heading ER05-109 (Attach Z Filing) open Southwest Power Pool's October 29, 2004 filing containing Attachment Z to the SPP OATT and the Commission's January 21, 2005 Order. In compliance with this Order, the third open season of 2006 commenced on June 1, 2006. All requests for long-term transmission service received prior to October 1, 2006 with a signed study agreement were then included in this third Aggregate Transmission Service Study (ATSS) of 2006.

Approximately 3567 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$236 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. These credits can be paid from base plan funding if applicable.

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 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

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

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier Non – SPP control area facilities, a 3 % TDF cutoff was applied to AECl, 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 nine seasonal models to study the aggregate transfers of 3567 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 4 2007 Summer Peak (07SP), 2007 Summer Shoulder (07SH), 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 Summer Peak (08SP), 2008/09 Winter Peak (08WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), and 2016 Summer Peak (16SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 3567 MW in order to minimize counterflows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the nine seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT exporting and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing

in an East to West direction with ERCOT net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net importing and SPS exporting from an outside zone and exporting from the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a North to South direction with ERCOT importing and SPS importing from outside zones and importing from the Lamar HVDC tie. Scenario 5 include all transmission not already included in the SPP 2006 Series Cases with ERCOT importing and SPS net exporting to outside zones and exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. 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

undesigned 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 below 0.90 pu) were applied to determine the impacted facilities. The PSS/E options chosen to conduct the analysis can be found in Appendix A.

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). From the generation shift factors for the incremental and decremental units, relief pairs with a greater than 3% TDF on 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 in the relief pairs. If transmission customer would like to see additional relief pairs beyond 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 7 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, facilities limiting rollover rights, credits to be paid for previously assigned AFS facility upgrades, and any third party upgrades required. This includes the season in the planning horizon where rollover rights are limited. Table 4 lists all upgrade requirements with associated solutions needed to provide transmission service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service. Table 7 (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 June 15th, 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 June 30th, 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
AECC	AG3-2006-001	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031					0	11SP
AECC	AG3-2006-002	1161136	WR	CSWS	50	12/1/2007	12/1/2027	5/1/2009	5/1/2029			0	07WP
AECC	AG3-2006-003	1161131	WR	EES	50	12/1/2007	12/1/2027	10/1/2008	10/1/2028			0	07WP
AEPM	AG3-2006-039	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	10/1/2008	10/1/2013	8/1/2007	8/1/2012	0	07SP
AEPM	AG3-2006-040	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	10/1/2008	10/1/2013	11/1/2007	11/1/2012	0	08SP
AEPM	AG3-2006-043	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031					0	11SP
AEPM	AG3-2006-044	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031					0	11SP
AEPM	AG3-2006-094	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015					0	11SP
KCPS	AG3-2006-101	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	8/1/2007	8/1/2008	8/1/2007	8/1/2008	0	07SP
KCPS	AG3-2006-103	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	10/1/2007	10/1/2008	8/1/2007	8/1/2008	0	07SP
KCPS	AG3-2006-103	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	10/1/2007	10/1/2008	8/1/2007	8/1/2008	0	07SP
NTEC	AG3-2006-035	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031					0	16SP
OGE	AG3-2006-034	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	8/1/2007	8/1/2012	8/1/2007	8/1/2012	0	11SP
OGE	AG3-2006-049	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031					0	11SP
OMPA	AG3-2006-028	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031					0	11SP
OMPA	AG3-2006-050	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031					0	11SP
SEPC	AG3-2006-113	1162670	WR	SECI	51	12/1/2007	12/1/2027	1/1/2011	1/1/2031			0	07WP
UCU	AG3-2006-052D	1162075	WR	MPS	51	1/1/2008	1/1/2028	1/1/2011	1/1/2031	1/1/2008	1/1/2028	0	07WP
UCU	AG3-2006-088D	1162678	WR	MPS	25	1/1/2008	1/1/2028	1/1/2011	1/1/2031	1/1/2008	1/1/2028	0	07WP
UCU	AG3-2006-088D	1162681	WR	MPS	25	1/1/2008	1/1/2028	1/1/2011	1/1/2031	1/1/2008	1/1/2028	0	07WP
WRGS	AG3-2006-024D	1161506	WR	WR	380	5/1/2008	5/1/2014	1/1/2011	1/1/2017	5/1/2008	5/1/2014	0	08SP
WRGS	AG3-2006-025	1140120	WR	WR	360	5/1/2009	5/1/2015	1/1/2011	1/1/2017	5/1/2009	5/1/2015	0	11SP

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 6} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AECC	AG3-2006-001	1161209	\$ 17,516,125	\$ -	\$ 17,516,125		Indeterminate	\$ 57,041,119	\$ -	\$ -	Sch 9 charges
AECC	AG3-2006-002	1161136	\$ 1,630,574	\$ 730,574	\$ 900,000		\$ -	\$ 5,419,665	\$ 2,391,320	\$ -	\$ 2,382,679
AECC	AG3-2006-003	1161131	\$ 1,142,682	\$ 1,142,682	\$ -		\$ 2,400,000	\$ 3,831,250	\$ 3,761,922	\$ 10,800,000	\$ 13,200,000
AEPM	AG3-2006-039	1158760	\$ 2,369,088	\$ -	\$ 2,369,088		Indeterminate	\$ 3,616,471	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-040	1158761	\$ 2,369,088	\$ -	\$ 2,369,088		Indeterminate	\$ 3,692,324	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-043	1162211	\$ 43,128,969	\$ -	\$ 43,130,283		Indeterminate	\$ 182,391,143	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-044	1162214	\$ 71,759,218	\$ -	\$ 71,759,218		Indeterminate	\$ 227,094,065	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-094	1163062	\$ 38,650,114	\$ -	\$ 38,650,114		Indeterminate	\$ 70,609,783	\$ -	\$ -	Sch 9 charges
KCPS	AG3-2006-101	1162686	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
KCPS	AG3-2006-103	1162650	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 655,200	\$ 655,200
KCPS	AG3-2006-103	1162651	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 642,600	\$ 642,600
NTEC	AG3-2006-035	1161974	\$ 6,058,232	\$ -	\$ 6,058,232		\$ -	\$ 20,283,009	\$ -	\$ -	Sch 9 charges
OGE	AG3-2006-034	1161665	\$ 2,821	\$ -	\$ -		Indeterminate	\$ 4,846	\$ 3,040	\$ 1,080,000	\$ 1,080,000
OGE	AG3-2006-049	1162077	\$ 35,740,563	\$ -	\$ 35,740,563		\$ -	\$ 152,387,113	\$ -	\$ -	Sch 9 charges
OMPA	AG3-2006-028	1159596	\$ 9,839,263	\$ -	\$ 9,839,263		Indeterminate	\$ 30,561,379	\$ -	\$ -	Sch 9 charges
OMPA	AG3-2006-050	1162095	\$ 6,053,346	\$ -	\$ 6,053,346		\$ -	\$ 25,831,605	\$ -	\$ -	Sch 9 charges
SEPC	AG3-2006-113	1162670	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
UCU	AG3-2006-052D	1162075	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 19,718,640	\$ 19,718,640
UCU	AG3-2006-088D	1162678	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 9,666,000	\$ 9,666,000
UCU	AG3-2006-088D	1162681	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 9,666,000	\$ 9,666,000
WRGS	AG3-2006-024D	1161506	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
WRGS	AG3-2006-025	1140120	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
Totals			\$ 236,260,083					\$ 782,763,770	\$ 6,156,282		

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 6} 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 allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C allocation of expedited projects. Letter of Credit is not required for base plan funded upgrades. The LOC listed is based on meeting OATT Attachment 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. If the displacement analysis results in lower RR due to the shorter amortization period of the requested upgrade when compared to a base plan amortization period, then no direct assignment of the upgrade cost is made due to the displacement to an earlier start date.</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 can be paid from base plan funding if applicable.</p> <p>Note 5: E & C allocation for determination of allocated revenue requirements does not include those upgrades estimated at \$100,000 or less as these are base plan funded. Thus this number sets the cap for base plan funding allowable for remaining assigned upgrades. Allocated E & C in Table 3 does include those upgrades less than \$100,000 though RR are not required as upgrades are base plan funded.</p> <p>Note 6: 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>											

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

Customer Study Number
 AECC AG3-2006-001

Customer	Reservation	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161209	70	6/1/2011	6/1/2031			\$ 17,881,690	\$ -	\$ 17,545,324	\$ 57,041,119
							\$ 17,881,690	\$ -	\$ 17,545,324	\$ 57,041,119

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161209	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 1,278,877	\$ 7,282,800	\$ 4,512,847
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 128,962	\$ 734,400	\$ 559,167
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 251,400	\$ 5,000,000	\$ 876,309
	DYESS - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			\$ 292,429	\$ 500,000	\$ 726,717
	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			\$ 29,199	\$ 50,000	\$ -
	HEMPSTEAD - NW TEXARKANA 345KV CKT 1	6/1/2011	6/1/2011			\$ 6,162,804	\$ 57,530,000	\$ 21,334,441
	Hugo - SunnySide 345KV OKGE	6/1/2011	6/1/2011			\$ 61,169	\$ 750,000	\$ 261,971
	Hugo - SunnySide 345KV WFEC	6/1/2011	6/1/2011			\$ 4,077,907	\$ 50,000,000	\$ 10,002,709
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 365,566	\$ 3,094,000	\$ 1,264,862
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 36,864	\$ 312,000	\$ 156,725
	SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	6/1/2011	6/1/2011			\$ 4,000,000	\$ 4,000,000	\$ 13,926,580
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 330,016	\$ 2,500,000	\$ 1,148,999
	SUNNYSIDE (SUNNYS3) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 530,131	\$ 6,500,000	\$ 2,269,794
	Total					\$ 17,545,324	\$ 138,253,200	\$ 57,041,119

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	3/1/2009		
	412SUB - KERR 161KV CKT 1	6/1/2015	3/1/2009		
	BONANZA - BONANZA TAP 161KV CKT 1	6/1/2015	6/1/2015		
	FLINT CREEK - GENTRY REC 161KV CKT 1	6/1/2016	6/1/2016		
	Siloam Springs - South Fayetteville 161 kv	6/1/2016	6/1/2016		
	BULL SHOALS - BULL SHOALS 161KV CKT 1 SWPA	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
1161209	5FLIPN - BULL SHOALS HES 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	5HILLTOP 161 - 5ST_JOE 161 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	5ST_JOE 161 - EVERTON 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 1,278,877	\$ 7,282,800
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 365,566	\$ 3,094,000
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	Total					\$ 1,644,443	\$ 10,376,800

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

Customer **Study Number**
 AECC AG3-2006-002

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161136	WR	CSWS	50	12/1/2007	12/1/2027	5/1/2009	5/1/2029	\$ 900,000	\$ -	\$ 1,652,141	\$ 5,419,665
									\$ 900,000	\$ -	\$ 1,652,141	\$ 5,419,665

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161136	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 1,245,573	\$ 65,000,000	\$ 4,464,315
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 766	\$ 90,000	\$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 177,430	\$ 5,000,000	\$ 520,896
	DYESS - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			\$ 207,571	\$ 500,000	\$ 434,453
	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	6/1/2016	6/1/2016			\$ 20,801	\$ 50,000	\$ -
	Total					\$ 1,652,141	\$ 70,640,000	\$ 5,419,665

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	3/1/2009		
	412SUB - KERR 161KV CKT 1	6/1/2015	3/1/2009		
	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2008	6/1/2008		
	BONANZA - BONANZA TAP 161KV CKT 1	6/1/2015	6/1/2015		
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	12/1/2007	5/1/2009		
	FLINT CREEK - GENTRY REC 161KV CKT 1	6/1/2016	6/1/2016		
	Siloam Springs - South Fayetteville 161 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
1161136	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	12/1/2007	12/1/2007		
	Chamber Springs - Tontitown 345 KV	6/1/2008	6/1/2008		
	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		

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

Customer **Study Number**
 AECC AG3-2006-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161131	WR	EES	50	12/1/2007	12/1/2027	10/1/2008	10/1/2028	\$ -	\$ 10,800,000	\$ 3,542,682	\$ 3,831,250
									\$ -	\$ 10,800,000	\$ 3,542,682	\$ 3,831,250

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161131	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 1,104,422	\$ 65,000,000	\$ 3,753,503
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Displacement	6/1/2015	6/1/2015			\$ 37,016	\$ 37,016	\$ 77,747
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2015	6/1/2015			\$ 2,400,000	\$ 2,400,000	\$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 1,244	\$ 90,000	\$ -
	Total					\$ 3,542,682	\$ 67,527,016	\$ 3,831,250

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2015	6/1/2015		
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2015	6/1/2015		
	BUCYRUS - STILLWELL 161KV CKT 1	6/1/2016	6/1/2016		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2015	6/1/2008		
	RIVERSIDE - PECAN CREEK - MUSKOGEE 345 kV	6/1/2015	6/1/2008		

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

Customer Study Number
 AEPM AG3-2006-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158760	CSWS	CSWS	180	7/1/2007	7/1/2012	10/1/2008	10/1/2013	\$ 2,369,088	\$ -	\$ 2,425,448	\$ 3,616,471
									\$ 2,369,088	\$ -	\$ 2,425,448	\$ 3,616,471

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158760	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			\$ 33,613	\$ 2,750,000	\$ 54,788
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2010	6/1/2010			\$ 1,222	\$ 100,000	\$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 2,285,585	\$ 5,000,000	\$ 3,473,278
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement	6/1/2008	4/1/2009	10/1/2008	Yes	\$ 49,890	\$ 287,909	\$ 88,404
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 DISPLACEMENT	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 27,569	\$ 55,139	\$ -
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 DISPLACEMENT	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 27,569	\$ 55,139	\$ -
Total						\$ 2,425,448	\$ 8,248,186	\$ 3,616,471

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158760	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008		
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2011	6/1/2011		
	WEBRE RICHARD	6/1/2008	6/1/2008		

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

Customer Study Number
 AEPM AG3-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158761	CSWS	CSWS	180	11/1/2007	11/1/2012	10/1/2008	10/1/2013	\$ 2,369,088	\$ -	\$ 2,425,448	\$ 3,692,324
									\$ 2,369,088	\$ -	\$ 2,425,448	\$ 3,692,324

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158761	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			\$ 33,613	\$ 2,750,000	\$ 55,937
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2010	6/1/2010			\$ 1,222	\$ 100,000	\$ -
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 2,285,585	\$ 5,000,000	\$ 3,546,128
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement	6/1/2008	4/1/2009	10/1/2008	Yes	\$ 49,890	\$ 287,909	\$ 90,259
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 DISPLACEMENT	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 27,569	\$ 55,139	\$ -
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 DISPLACEMENT	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 27,569	\$ 55,139	\$ -
Total						\$ 2,425,448	\$ 8,248,186	\$ 3,692,324

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1158761	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008		
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2011	6/1/2011		
	WEBRE RICHARD	6/1/2008	6/1/2008		

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

Customer Study Number
 AEPM AG3-2006-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031			\$ 43,130,283	\$ -	\$ 43,410,661	\$ 182,391,143
									\$ 43,130,283	\$ -	\$ 43,410,661	\$ 182,391,143

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162211	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 31,131,644	\$ 65,000,000	\$ 135,036,333
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2010	6/1/2010			\$ 100,132	\$ 2,750,000	\$ 374,372
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2010	6/1/2010			\$ 3,641	\$ 100,000	\$ -
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2011	6/1/2011			\$ 75,000	\$ 75,000	\$ -
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 45,135	\$ 90,000	\$ -
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2014	6/1/2014			\$ 57,917	\$ 57,917	\$ -
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2014	6/1/2014			\$ 100,000	\$ 100,000	\$ -
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 126,385	\$ 300,000	\$ 543,775
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 6,659,604	\$ 11,208,425	\$ 28,299,965
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 4,974,483	\$ 8,372,286	\$ 17,580,997
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement	6/1/2008	4/1/2009	10/1/2008		\$ 136,720	\$ 287,909	\$ 555,701
Total						\$ 43,410,661	\$ 88,341,537	\$ 182,391,143

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2008	6/1/2008		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008		
	WEBRE RICHARD	6/1/2008	6/1/2008		

Customer Study Number
 AEPM AG3-2006-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031			\$ 71,759,218	\$ -	\$ 71,759,218	\$ 227,094,065
									\$ 71,759,218	\$ -	\$ 71,759,218	\$ 227,094,065

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162214	HEMPSTEAD - NW TEXARKANA 345KV CKT 1	6/1/2011	6/1/2011			\$ 42,426,473	\$ 57,530,000	\$ 146,872,280
	Hugo - SunnySide 345KV OKGE	6/1/2011	6/1/2011			\$ 359,980	\$ 750,000	\$ 1,541,700
	Hugo - SunnySide 345KV WFEC	6/1/2011	6/1/2011			\$ 23,998,639	\$ 50,000,000	\$ 58,866,323
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 1,854,299	\$ 2,500,000	\$ 6,456,011
	SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 3,119,827	\$ 6,500,000	\$ 13,357,751
Total						\$ 71,759,218	\$ 117,280,000	\$ 227,094,065

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011		
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011		
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 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
 AEPM AG3-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015			\$ 38,650,114	\$ -	\$ 38,837,239	\$ 70,609,783
									\$ 38,650,114	\$ -	\$ 38,837,239	\$ 70,609,783

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1163062	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2010	6/1/2010			\$ 2,582,642	\$ 2,750,000	\$ 5,316,377
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2010	6/1/2010			\$ 93,914	\$ 100,000	\$ -
	ARSENAL HILL - NORTH MARKET 69KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 93,203	\$ 93,204	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2010	6/1/2010			\$ 2,000,000	\$ 2,000,000	\$ 3,238,910
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2010	6/1/2010			\$ 2,500,000	\$ 2,500,000	\$ 4,047,586
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2010	6/1/2010			\$ 2,500,000	\$ 2,500,000	\$ 4,047,586
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 5,506,066	\$ 7,282,800	\$ 10,697,554
	Hugo - SunnySide 345KV CKGE	6/1/2011	6/1/2011			\$ 555,234	\$ 734,400	\$ 1,255,507
	Hugo - SunnySide 345KV WFEC	6/1/2011	6/1/2011			\$ 265,306	\$ 750,000	\$ 592,560
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 17,687,045	\$ 50,000,000	\$ 30,953,454
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 2,502,167	\$ 3,094,000	\$ 4,766,705
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 252,323	\$ 312,000	\$ 559,443
	SUNNYSIDE (SUNNYS3) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 2,299,319	\$ 6,500,000	\$ 5,134,100
	Total					\$ 38,837,239	\$ 78,616,404	\$ 70,609,783

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1163062	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
	PORT ROBSON - REDPOINT 138KV	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
1163062	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 5,506,066	\$ 7,282,800
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 2,502,167	\$ 3,094,000
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	Total					\$ 8,008,253	\$ 10,376,800

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

Customer Study Number
 KCPS AG3-2006-101

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	8/1/2007	8/1/2008	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162686	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
1162686	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2007	8/1/2007		Yes

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

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

Customer Study Number
 KCPS AG3-2006-103

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	10/1/2007	10/1/2008	\$ -	\$ 655,200	\$ -	\$ -
KCPS	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	10/1/2007	10/1/2008	\$ -	\$ 642,600	\$ -	\$ -
									\$ -	\$ 1,297,800	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162650	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -
1162651	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
1162650	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes
1162651	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2007	6/1/2008	10/1/2007	Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007		
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007		
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007		
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007		
	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008		
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007		
	GIBSON - RAMOS 138KV CKT 1	6/1/2007	6/1/2007		
	GIBSON 138/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007		
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007		
	TERREBONNE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	WEBRE RICHARD	6/1/2008	6/1/2008		
1162651	3GRENWD 115 - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007		
	3GRENWD 115 - TERREBONNE 115KV CKT 1	6/1/2007	6/1/2007		
	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	6/1/2007	6/1/2007		
	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	6/1/2007	6/1/2007		
	8WELLS 500 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008		
	GIBSON - HUMPHREY 115KV CKT 1	6/1/2007	6/1/2007		
	GIBSON - RAMOS 138KV CKT 1	6/1/2007	6/1/2007		
	GIBSON 138/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	6/1/2007	6/1/2007		
	LIVONIA BULK - WILBERT 138KV CKT 1	6/1/2007	6/1/2007		
	TERREBONNE 230/115KV TRANSFORMER CKT 1	6/1/2008	6/1/2008		
	WEBRE RICHARD	6/1/2008	6/1/2008		

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

Customer Study Number
NTEC AG3-2006-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NTEC	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031			\$ 6,058,232	\$ -	\$ 6,058,232	\$ 20,283,008
									\$ 6,058,232	\$ -	\$ 6,058,232	\$ 20,283,008

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161974	DIANA - PERDUE 138KV CKT 1	6/1/2016	6/1/2016			\$ 750,000	\$ 750,000	\$ 1,872,199
	HEMPSTEAD - NW TEXARKANA 345KV CKT 1	6/1/2011	6/1/2011			\$ 5,067,852	\$ 57,530,000	\$ 17,543,928
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement	6/1/2008	4/1/2009	10/1/2008		\$ 51,409	\$ 287,909	\$ 208,952
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 188,971	\$ 2,500,000	\$ 657,930
Total						\$ 6,058,232	\$ 61,067,909	\$ 20,283,008

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		
	CARTHAGE REC - ROCK HILL 138KV CKT 1	6/1/2014	6/1/2014		

Customer Study Number
OGE AG3-2006-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	8/1/2007	8/1/2012	\$ -	\$ 1,080,000	\$ 4,821	\$ 4,884
									\$ -	\$ 1,080,000	\$ 4,821	\$ 4,884

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161665	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 2,821	\$ 300,000	\$ 4,884
Total						\$ 2,821	\$ 300,000	\$ 4,884

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1161665	STRUMAN - HARRISBURG TAP 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	STRUMAN - TRUMANN WEST AECC 161KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2007	6/1/2007			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2007	6/1/2007			\$ 2,000	\$ 2,000
	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
Total						\$ 2,000	\$ 2,000

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

Customer Study Number
 OGE AG3-2006-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031			\$ 35,740,563	\$ -	\$ 35,776,242	\$ 152,387,113
									\$ 35,740,563	\$ -	\$ 35,776,242	\$ 152,387,113

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162077	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 27,048,395	\$ 65,000,000	\$ 117,324,870
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 35,679	\$ 90,000	\$ -
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 656,007	\$ 850,000	\$ 2,866,445
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 101,848	\$ 300,000	\$ 438,204
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 3,913,649	\$ 11,208,425	\$ 16,631,038
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 2,923,354	\$ 8,372,286	\$ 10,331,823
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 1,097,310	\$ 1,500,000	\$ 4,794,734
						\$ 35,776,242	\$ 87,320,711	\$ 152,387,113

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162077	5 TRIBES - HANCOCK 161KV CKT 1	6/1/2015	6/1/2015		
	5 TRIBES - PECAN CREEK 161KV CKT 1	6/1/2015	6/1/2015		
	COLONY - FT SMITH 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
1162077	PECAN CREEK (PECANCK1) 345/161/13 8KV TRANSFORMER CKT 1	6/1/2015	6/1/2008		
	RIVERSIDE - PECAN CREEK - MUSKOGEE 345 kV	6/1/2015	6/1/2008		

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

Customer Study Number
 OMPA AG3-2006-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031			\$ 9,839,263	\$ -	\$ 9,839,263	\$ 30,561,379
									\$ 9,839,263	\$ -	\$ 9,839,263	\$ 30,561,379

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1159596	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 497,856	\$ 7,282,800	\$ 1,756,813
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 50,204	\$ 734,400	\$ 217,680
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 62,066	\$ 850,000	\$ 271,200
	HEMPSTEAD - NW TEXARKANA 345KV CKT 1	6/1/2011	6/1/2011			\$ 3,872,871	\$ 57,530,000	\$ 13,407,134
	Hugo - SunnySide 345KV OKGE	6/1/2011	6/1/2011			\$ 63,546	\$ 750,000	\$ 272,151
	Hugo - SunnySide 345KV WFEC	6/1/2011	6/1/2011			\$ 4,236,409	\$ 50,000,000	\$ 10,391,499
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 226,247	\$ 3,094,000	\$ 782,817
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2011	6/1/2011			\$ 22,815	\$ 312,000	\$ 96,996
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 18,832	\$ 300,000	\$ 81,025
	SUGAR HILL (SUGAR HL) 138/69/12 47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 126,714	\$ 2,500,000	\$ 441,173
	SUNNYSIDE (SUNNYS3) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 550,732	\$ 6,500,000	\$ 2,357,997
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 110,972	\$ 1,500,000	\$ 484,896
	Total					\$ 9,839,263	\$ 131,353,200	\$ 30,561,379

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1159596	Mooreland - Potter 345 kv SPS	6/1/2015	6/1/2015		
	Mooreland - Potter 345 kv WFEC	6/1/2015	6/1/2015		
	Mooreland 345/138 kv Transformer	6/1/2015	6/1/2015		
	SNYDER - SNYDER INTERCONNECTION	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kv SUNC	6/1/2015	6/1/2015		
	Spearville - Mooreland 345 kv WFEC	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 2	6/1/2015	6/1/2015		

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

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

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1159596	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 497,856	\$ 7,282,800
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2011	6/1/2011			\$ 226,247	\$ 3,094,000
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	Total					\$ 724,103	\$ 10,376,800

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

Customer Study Number
 OMPA AG3-2006-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031			\$ 6,053,346	\$ -	\$ 6,059,008	\$ 25,831,606
									\$ 6,053,346	\$ -	\$ 6,059,008	\$ 25,831,606

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1162095	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 4,469,966	\$ 65,000,000	\$ 19,388,883	
	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 5,662	\$ 90,000	\$ -	
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 131,927	\$ 850,000	\$ 576,460	
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 50,115	\$ 300,000	\$ 215,621	
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 635,171	\$ 11,208,425	\$ 2,699,157	
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 474,450	\$ 8,372,286	\$ 1,676,817	
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 291,717	\$ 1,500,000	\$ 1,274,667	
						Total	\$ 6,059,008	\$ 87,320,711	\$ 25,831,606

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	Mooreland - Potter 345 kV SPS	6/1/2015	6/1/2015		
	Mooreland - Potter 345 kV WFEC	6/1/2015	6/1/2015		
	Mooreland 345/138 kV Transformer	6/1/2015	6/1/2015		
	SNYDER - SNYDER INTERCONNECTION	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2015	6/1/2015		
	Spearville - Mooreland 345 kV WFEC	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

Customer Study Number
SEPC AG3-2006-113

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1162670	WR	SECI	51	12/1/2007	12/1/2027	1/1/2011	1/1/2031	\$ -	\$ -	\$ 1,513	\$ -
									\$ -	\$ -	\$ 1,513	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162670	CIMARRON - NORTHWEST 345KV CKT 1	6/1/2016	6/1/2016			\$ 1,513	\$ 90,000	\$ -
Total						\$ 1,513	\$ 90,000	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	
	KNOLL - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	
	Mooreland - Potter 345 kV SPS	6/1/2015	6/1/2015		
	Mooreland - Potter 345 kV WFEC	6/1/2015	6/1/2015		
	Mooreland 345/138 kV Transformer	6/1/2015	6/1/2015		
	Spearville - Mooreland 345 kV SUNC	6/1/2015	6/1/2015		
	Spearville - Mooreland 345 kV WFEC	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2015	6/1/2015		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	PHILLIPSBURG - RHODES	6/1/2008	12/1/2008	10/1/2008	
	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		

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

Customer Study Number
UCU AG3-2006-052D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162075	WR	MPS	51	1/1/2008	1/1/2028	1/1/2011	1/1/2031	\$ -	\$ 19,718,640	\$ 93,029	\$ -
									\$ -	\$ 19,718,640	\$ 93,029	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162075	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 42,535	\$ 84,235	\$ -
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			\$ 50,494	\$ 100,000	\$ -
						\$ 93,029	\$ 184,235	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	BEL TON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2007	6/1/2008	10/1/2007	
	BUCYRUS - STILLWELL 161KV CKT 1	6/1/2016	6/1/2016		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	KNOLL - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	LAKE ROAD 161/34.5KV TRANSFORMER	12/1/2008	6/1/2009	4/1/2009	Yes
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2007	8/1/2007		Yes

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	NASHUA and ST JOE Capacitors	12/1/2007	6/1/2007		
	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		Yes
	Warrensburg East 161KV Capacitor	6/1/2008	8/1/2006		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
UCU AG3-2006-088D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162678	WR	MPS	25	1/1/2008	1/1/2028	1/1/2011	1/1/2031	\$ -	\$ 9,666,000	\$ 45,603	\$ -
UCU	1162681	WR	MPS	25	1/1/2008	1/1/2028	1/1/2011	1/1/2031	\$ -	\$ 9,666,000	\$ 45,603	\$ -
									\$ -	\$ 19,332,000	\$ 91,206	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162678	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 20,850	\$ 84,235	\$ -
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			\$ 24,753	\$ 100,000	\$ -
					Total	\$ 45,603	\$ 184,235	\$ -
1162681	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement	6/1/2008	6/1/2009	10/1/2008	Yes	\$ 20,850	\$ 84,235	\$ -
	PLATTE CITY - POPE 161 161KV CKT 1	12/1/2011	12/1/2011			\$ 24,753	\$ 100,000	\$ -
					Total	\$ 45,603	\$ 184,235	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2007	6/1/2008	10/1/2007	
	BUCYRUS - STILLWELL 161KV CKT 1	6/1/2016	6/1/2016		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	KNOLL - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	LAKE ROAD 161/34.5KV TRANSFORMER	12/1/2008	6/1/2009	4/1/2009	Yes
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2007	8/1/2007		Yes
1162681	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2007	6/1/2008	10/1/2007	
	BUCYRUS - STILLWELL 161KV CKT 1	6/1/2016	6/1/2016		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	6/1/2008	6/1/2009	10/1/2008	Yes
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	KNOLL - VINE STREET 115KV CKT 1	6/1/2008	6/1/2010	10/1/2009	Yes
	LAKE ROAD 161/34.5KV TRANSFORMER	12/1/2008	6/1/2009	4/1/2009	Yes
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2007	8/1/2007		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	NASHUA and ST JOE Capacitors	12/1/2007	6/1/2007		
	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		Yes
	Warrensburg East 161KV Capacitor	6/1/2008	8/1/2006		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1162681	IATAN - ST JOE 345KV CKT 1	6/1/2011	6/1/2011		
	NASHUA and ST JOE Capacitors	12/1/2007	6/1/2007		
	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		Yes
	Warrensburg East 161KV Capacitor	6/1/2008	8/1/2006		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
WRGS AG3-2006-024D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1161506	WR	WR	380	5/1/2008	5/1/2014	1/1/2011	1/1/2017	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161506	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
1161506	BOEING - STEARMAN 138KV CKT 1	6/1/2008	6/1/2009		Yes
	CRRM 269.0 - LIBERTY 69KV CKT 1	12/1/2011	12/1/2011		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2009	10/1/2008	Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		Yes
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

Customer Study Number
WRGS AG3-2006-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1140120	WR	WR	360	5/1/2009	5/1/2015	1/1/2011	1/1/2017	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1140120	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
1140120	BOEING - STEARMAN 138KV CKT 1	6/1/2008	6/1/2009		Yes
	CRRM 269.0 - LIBERTY 69KV CKT 1	12/1/2011	12/1/2011		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2008	6/1/2009	10/1/2008	Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	RENO - SUMMIT 345KV	6/1/2008	1/1/2011		Yes
1140120	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	Rebuild 3.24 miles of 1272 AAC with 2156 ACSR. Replace 3 switches, breaker jumpers, and reset CTs @ Arsenal Hill. Replace 2 switches and jumpers @ Fort Humbug	6/1/2010	6/1/2010	\$ 2,750,000
AEPW	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	Replace Arsenal Hill switches and jumper	6/1/2010	6/1/2010	\$ 100,000
AEPW	ARSENAL HILL - NORTH MARKET 69KV CKT 1 Displacement	Rebuild 2.3 miles of 666 ACSR with 1272 ACSR	6/1/2010	6/1/2010	\$ 93,203
AEPW	ARSENAL HILL - WATERWORKS 69KV CKT 1	Rebuild 2.55 miles of 666 ACSR with 1272 ACSR	6/1/2010	6/1/2010	\$ 2,600,000
AEPW	ARSENAL HILL (ARSHILL 1) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto & 69 kV breaker and switch	6/1/2010	6/1/2010	\$ 2,500,000
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	Replace auto & 69 kV breaker and switch	6/1/2010	6/1/2010	\$ 2,500,000
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW Displacement	Reconductor 1.25 miles of 795 ACSR with 1690 ACSR	6/1/2015	6/1/2015	\$ 37,016
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 795 ACSR	6/1/2011	6/1/2011	\$ 7,282,800
AEPW	DIANA - FERDUE 138KV CKT 1	Replace Breakers 3510 & 10080 & five switches @ Ferdue. Replace switch 12798 @ Diana	6/1/2016	6/1/2016	\$ 750,000
AEPW	DYESS - ELM SPRINGS REC 161KV CKT 1	Replace Elm Springs switch, Rebuild 5.17 miles of line.	6/1/2011	6/1/2011	\$ 5,000,000
AEPW	DYESS - TONTITOWN 161KV CKT 1	Replace Dyess Breaker, Switches, & wavetraps	6/1/2016	6/1/2016	\$ 500,000
AEPW	ELM SPRINGS REC - TONTITOWN 161KV CKT 1	Replace Wavetraps and switch jumpers	6/1/2016	6/1/2016	\$ 50,000
AEPW	HEMPSTEAD - NW TEXARKANA 345KV CKT 1	Build 33 miles of 2-795MCM ACSR from Turk NW Texarkana, Add 345KV terminal at NW Texarkana. Add 345KV terminal at Turk	6/1/2011	6/1/2011	\$ 57,530,000
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2011	6/1/2011	\$ 3,094,000
AEPW	SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	Rebuild 5.92 miles of 266 ACSR with 795 ACSR. Replace switches, jumpers, and reset CTs & relays @ Texarkana Plant	6/1/2011	6/1/2011	\$ 4,000,000
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	6/1/2008	4/1/2009	\$ 287,909
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 DISPLACEMENT	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	6/1/2009	\$ 55,139
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 DISPLACEMENT	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	6/1/2009	\$ 55,139
AEPW	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto & 69 kV breaker and switches or Add 2nd Auto reconductor	6/1/2011	6/1/2011	\$ 2,600,000
EMDE	SUB 124 - AURORA H.L.T. - SUB 437 - MARIONVILLE NORTHWEST 69KV CKT 1	Reconductor	6/1/2016	6/1/2016	\$ 2,700,000
EMDE	SUB 383 - MONETT (MONETT) 161/69/12.5KV TRANSFORMER CKT 1	Install 345/161KV transformer at Monett	6/1/2016	6/1/2016	\$ 14,100,000
MIPU	PLATTE CITY - POPE 161 161KV CKT 1	Replace wavetraps	12/1/2011	12/1/2011	\$ 100,000
OKGE	ARCADIA - SOONER 345KV CKT 1	Build 65 miles of 345KV line from Sooner to Arcadia. Add Terminal equipment at each end	6/1/2011	6/1/2011	\$ 65,000,000
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace an 800A trap to 1200A	6/1/2011	6/1/2011	\$ 75,000
OKGE	CIMARRON - NORTHWEST 345KV CKT 1	Replace trap at Cimarron Substation	6/1/2016	6/1/2016	\$ 90,000
OKGE	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	Rebuild 17.96 miles of 250 Copperweld with 795 ACSR	6/1/2011	6/1/2011	\$ 734,400
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to at least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.	6/1/2011	6/1/2011	\$ 850,000
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).	6/1/2014	6/1/2014	\$ 57,917
OKGE	Hugo - SunnySide 345KV OKGE	Install breaker, switches, and relay	6/1/2011	6/1/2011	\$ 750,000
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2011	6/1/2011	\$ 312,000
OKGE	MILLER - WHITE EAGLE 138KV CKT 1	Replace line relay at White Eagle & Cont. Empire	6/1/2011	6/1/2011	\$ 300,000
OKGE	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2011	6/1/2011	\$ 11,208,425
OKGE	SUNNYSIDE (SUNNYSID3) 345/138/13.8KV TRANSFORMER CKT 1	Add 2nd 345/138KV Auto	6/1/2011	6/1/2011	\$ 6,500,000
OKGE	WALKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 of line with Drake ACCC conductor and increase CTR.	6/1/2011	6/1/2011	\$ 1,500,000
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Reconductor 6 miles of 795 ACSR with 1590 ACSR. Reconnect CT's to 1000:5 Tap on Bkrs 42, 32, & half or 22. Replace metering & reset relays for Line 2 & Line 3. Conduct Environmental Impact Study	6/1/2015	6/1/2015	\$ 2,400,000
WERE	95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement	Rebuild 7.61 miles from 95th & Waverly-Captain Junction 115 kV line.	6/1/2008	6/1/2009	\$ 84,235
WERE	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	New 345 kV line from Oklahoma-Kansas Stateline to Rose Hl	6/1/2011	6/1/2011	\$ 8,372,286
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetraps at Franklin switch to 2000F	6/1/2014	6/1/2014	\$ 100,000
WFEC	Hugo - SunnySide 345KV WFEC	Add 345 line from Hugo to SunnySide	6/1/2011	6/1/2011	\$ 50,000,000

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	Reconductor 666 ACSR (11.6 miles) and 1272 ACSR (1.1 mile) to Drake ACCC (2196 ACSR section 0.6 miles is not replaced) and remove the series reactors at Chamber Springs on the Chamber Springs to Tontitown 161 kV line	12/1/2007	12/1/2007
AEPW	Chamber Springs - Tontitown 345 KV	New 345 kV Line and Tontitown 345/161 kV Transforme	6/1/2008	6/1/2008
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	6/1/2011	6/1/2011
MIPU	NASHUA and ST JOE Capacitors	Install 50 MVAR at Nashua 161 kV and at St Joe 161 kV	12/1/2007	6/1/2007
MIPU	Warrensburg East 161KV Capacitor	Install 40 MVAR capacitor at Warrensburg East 161KV bus	6/1/2008	6/1/2008
OKGE	PECAN CREEK (PECANCKT1) 345/161/13.8KV TRANSFORMER CKT 1	Add a 345/161 kV 369MVA transformer	6/1/2015	6/1/2008
OKGE	RIVERSIDE - PECAN CREEK - MUSKOGEE 345 KV	Tap Riverside - Muskogee 345 kV line and add second Pecan Creel 345 kV source	6/1/2015	6/1/2008
SUNC	PHILLIPSBURG - RHOADES	Install 35 miles 115 kV from Phillipsburgsubstation to Rhoades	6/1/2008	12/1/2008
WERE	RENO - SUMMIT 345KV	Install new 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	6/1/2008	1/1/2011
WERE	WICHITA - RENO 345KV	Build 345KV from Wichita to Reno Co	12/1/2007	7/1/2009

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

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR. Replace wavetraps & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	6/1/2008	6/1/2008
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 510 CTV CU with 795 ACSR	12/1/2007	5/7/2009
AEPW	CARTHAGE REC - ROCK HILL 138KV CKT 1	Reconductor with 1272 ACSR. In Rock Hill sub Replace 755 ACSR and CT	6/1/2014	6/1/2014
AEPW	FLINT CREEK - GENTRY REC 161KV CKT 1	Rebuild 1.09 miles of 2-397.5 ACSR with 2156 ACSR. Replace Flint Creek wavetraps & jumpers	6/1/2016	6/1/2016
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 686 ACSR with 1272 ACSR	6/1/2007	6/1/2008
AEPW	PORT ROBSON - REDPOINT 138KV	New 138 KV line from Port Robson - Red Point via McDade & Haughton. Convert McDade & Haughton to 138 kv.	6/1/2011	6/1/2011
AEPW	Siloam Springs - South Fayetteville 161 kv	Convert Existing 69 KV Line to 161 kv Operator	6/1/2016	6/1/2016
AEPW/WFEC	SNYDER - SNYDER INTERCONNECTION	Reconductor 9.7 miles with 1590MCM ACSR	6/1/2016	6/1/2016
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2015	3/1/2009
GRDA	412SUB - KERR 161KV CKT 1	Upgrade Wavetraps at Stilwell from 800 amps to 1200 amps	6/1/2016	6/1/2016
KACP	BUCYRUS - STILWELL 161KV CKT 1	Reconductor Line	6/1/2008	6/1/2010
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2010
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2010
MIDW	KNOLL - VINE STREET 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2010
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Reconductor with bundled Drake	6/1/2011	6/1/2011
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Reconductor 2.5 miles with bundled Drake	6/1/2007	6/1/2008
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Replace Wave Trap	6/1/2008	6/1/2009
MIPU	LAKE ROAD 161/34.5KV TRANSFORMER	Transformer Upgrade	12/1/2008	6/1/2009
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Replace Wavetraps at Martin City	6/1/2007	8/1/2007
OKGE	5 TRIBES - HANCOCK 161KV CKT 1	Replace 800A Wave Trap, increase Relay CTR to 1200-5A	6/1/2015	6/1/2015
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1	replace 636AS33 conductor with 795AS33	6/1/2015	6/1/2015
OKGE	BONANZA - BONANZA TAP 161KV CKT 1	Rebuild 0.06 miles of 397 ACSR with 1272 ACSR & reset relay @ Bonanza or Bonanza T-Excelsior-Midland-N. Huntington 161 kv loop	6/1/2015	6/1/2015
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCCTW and change terminal equipment at Ft. Smith & Colony to 2000A	6/1/2011	6/1/2011
RAYBURN	BEN WHEELER - BARTONS CHAPEL	Diana - Bartons Chapel & Ben Wheeler - Bartons Chapt	6/1/2016	6/1/2016
SPS	CARLSBAD PLANT 115/69KV TRANSFORMERS	Upgrade to 75 MVA Transformer	6/1/2007	6/1/2009
SPS	Mooreland - Potter 345 kv SPS	New 345 kv line from Potter to Mooreland on wooden h-frame structures.	6/1/2015	6/1/2015
SNPPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard	6/1/2011	6/1/2011
SUNC	Spearville - Mooreland 345 kv SUNC	New 345 kv line from Spearville to Kansas/Oklahoma Stateline	6/1/2016	6/1/2016
WERE	BOEING - STEARMAN 138KV CKT 1	Upgrade 1.95 mile Boeing-Stearman 138 kv line	6/1/2008	6/1/2009
WERE	CRRM - 269.0 - LIBERTY 69KV CKT 1	Replace terminal equipment on Liberty - CRA 69 kv line	12/1/2011	12/1/2011
WERE	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kv Transforme	12/1/2011	12/1/2011
WERE	Evans - Grant - Chisolm Rebuild and Conversion Project	Build Evans - Grant 138 kv line. Rebuild and Convert Grant - Chisolm 69 kv line to 138 kv. Install New Grant 138/69 kv XFMR. And Rebuild Grant - Grant Jct. 69 kv line.	6/1/2008	6/1/2009
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2016	6/1/2016
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transforme	6/1/2009	6/1/2009
WFEC	Mooreland - Potter 345 kv WFEC	345 kv line Terminal	6/1/2015	6/1/2015
WFEC	Mooreland 345/138 kv Transforme	New Mooreland 345/138 kv Transforme	6/1/2015	6/1/2015
WFEC	Spearville - Mooreland 345 kv WFEC	New 345 kv line from Kansas/Oklahoma Stateline to Mooreland	6/1/2015	6/1/2015

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valiant 345 KV line terminal	5/1/2010	5/1/2010
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCP. Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Uprate Terminal Equipmen	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Uprate Terminal Equipmen	6/1/2006	6/1/2006
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	Sponsored Project to Uprate Terminal Equipmen	6/1/2006	4/1/2008
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto. and 19 miles 345 KV	5/1/2010	5/1/2010

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
ENTR	3GRENWD 115 - HUMPHREY 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	3GRENWD 115 - TERREBONNE 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	4KSPRGS 138 - CHAMPAGNE 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	4KSPRGS 138 - LINE 642 TAP 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	5FLIPN - BULL SHOALS HES 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	5HILLTOP 161 - 5ST_JOE 161 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	5ST_JOE 161 - EVERTON 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	5TRUMAN - HARRISBURG TAP 161KV CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	5TRUMAN - TRUMANN WEST AECC 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	8WELLS 500 - WEBRE 500KV CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	CLARENCE - MONTGOMERY 230KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	Rebuild 17.96 miles of 250 Copperweld with 795 ACSR.	6/1/2011	6/1/2011	\$ 7,282,800
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	GIBSON - HUMPHREY 115KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	GIBSON - RAMOS 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	GIBSON 138/115KV TRANSFORMER CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	JONES - JONESBORO 161KV CKT 1 ENTR	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	JONES - JONESBORO 161KV CKT 1 SWPA	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	Indeterminate	6/1/2010	6/1/2010	Indeterminate
ENTR	LINE 642 TAP - LIVONIA BULK 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	LIVONIA BULK - WILBERT 138KV CKT 1	Indeterminate	6/1/2007	6/1/2007	Indeterminate
ENTR	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2011	6/1/2011	\$ 3,094,000
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	6/1/2011	6/1/2011	Indeterminate
ENTR	TERREBONNE 230/115KV TRANSFORMER CKT 1	Indeterminate	6/1/2008	6/1/2008	Indeterminate
ENTR	WEBRE/RICHARD	Indeterminate	6/1/2008	6/1/2008	Indeterminate

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

Upgrade: 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement
 Limiting Facility: 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1
 Direction: To->From
 Line Outage: HOYT - STRANGER CREEK 345KV CKT 1
 Flowgate: 9727557235 15675556772121085P
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1162075	1.1	2.2	KACY	KAW 69KV	192	-0.0177	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.09456	23
1162678	0.5	2.2	KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08621	23
1162681	0.5	2.2	KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.09551	23
			KACY	QUINDARO 69KV	100	-0.01818	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.09504	23
			KACP	GARDNER 161KV	11	-0.00963	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08649	25
			KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08889	25
			KACP	NORTHEAST 161KV	209	-0.01203	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08889	25
			MIPU	TWA 161KV	32.1	-0.01223	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08909	25
			MIPU	ARIES 161KV	595	-0.00694	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.0838	26
			KACP	BULL CREEK 161KV	65	-0.00908	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08594	26
			MIPU	GREENWOOD 161KV	255.8	-0.00709	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08395	26
			KACP	MONTROSE 161KV	18,53572	-0.00619	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08505	26
			MIPU	RALPH GREEN 69KV	73.7	-0.00711	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08397	26
			MIPU	SIBLEY 161KV	19,62943	-0.00759	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08445	26
			MIPU	SOUTH HARPER 161KV	34,51287	-0.0062	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08306	26
			MIPU	LAKE ROAD 161KV	91	-0.00557	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08243	27
			KACP	MARSHALL 161KV	54.1	-0.00445	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.08131	27
			MIPU	NEVADA 69KV	20.3	-0.00564	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.0825	27
			AEPW	ARSENAL HILL 69KV	75	0.00116	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07526	29
			EMDE	ASBURY 161KV	20	0.00039	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07647	29
			WERE	OHAMUTE 69KV	32.163	0.002	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07486	29
			WERE	CITY OF IOLA 69KV	13.157	0.00117	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07568	29
			AEPW	EASTMAN 138KV	330.01	0.00175	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07511	29
			AEPW	KNOXLEE 138KV	198	0.00174	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07512	29
			AEPW	L&D13 69KV	13	0.00169	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07517	29
			EMDE	LARUSSEL 161KV	180	0.0002	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07666	29
			AEPW	LEBROCK 345KV	382	0.00114	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07512	29
			AEPW	LEBERMAN 138KV	138,7861	0.00163	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07523	29
			AEPW	LONESTAR POWER PLANT 69KV	50	0.00182	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07504	29
			AEPW	MATTISON 161KV	510	0.00155	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07531	29
			AEPW	MID-CONTINENT 138KV	142.11	0.00204	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07482	29
			OKGE	MUSKOGEE 161KV	31	0.0023	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07454	29
			AEPW	PIRKEY GENERATION 138KV	25	0.00174	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07512	29
			EMDE	RIVERTON 161KV	126,546	0.00075	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07611	29
			EMDE	RIVERTON 69KV	21,13571	0.00069	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07617	29
			EMDE	STATE LINE 161KV	103	0.00065	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07621	29
			AEPW	TURK 138KV	608	0.00194	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07492	29
			AEPW	WILKES 138KV	109,7319	0.0018	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07506	29
			WERE	CITY OF BURLINGTON 69KV	21,939	0.00395	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07291	30
			AEPW	COGENTRIX 345KV	229	0.00275	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07411	30
			OKGE	HORSESHOE LAKE 138KV	385,002	0.00458	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07228	30
			AEPW	KIOWA 345KV	1,348	0.00368	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07318	30
			OKGE	MCCLEIN 138KV	42	0.00475	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07211	30
			OKGE	MUSKOGEE 345KV	20	0.00254	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07432	30
			AEPW	OEC 345KV	1941.03	0.00256	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.0743	30
			OKGE	REDBUD 345KV	850	0.00448	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07238	30
			AEPW	RIVERSIDE STATION 138KV	76,00003	0.00274	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07412	30
			OKGE	TINKER 5G 138KV	62	0.00461	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07225	30
			AEPW	TULSA POWER STATION 138KV	108	0.00271	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07415	30
			AEPW	TULSA POWER STATION 69KV	80	0.00271	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07415	30
			AEPW	WELLSFORK 138KV	38	0.00321	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07365	30
			OKGE	CONTINENTAL EMPIRE 138KV	32	0.0056	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07126	31
			KACY	KAW 69KV	192	-0.0177	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.07005	31
			KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0717	31
			OKGE	ONE OAK 345KV	200	0.00505	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07181	31
			KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.071	31
			KACY	QUINDARO 69KV	100	-0.01818	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.07053	31
			OKGE	RED ROCK 345KV	1050	0.00577	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07109	31
			OKGE	SOONER 138KV	24,99997	0.0056	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07126	31
			OKGE	SOUTH 4TH ST 69KV	42.7	0.0059	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07096	31
			AEPW	SOUTHWESTERN STATION 138KV	321	0.00537	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.07179	31
			WERE	CITY OF WINFIELD 69KV	13.23	0.00623	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.06863	32
			WERE	EVANS ENERGY CENTER 138KV	217	0.01086	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.066	33
			WERE	GETTY 69KV	35	0.01067	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.06619	33
			WERE	GILL ENERGY CENTER 138KV	64,99999	0.0103	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.06656	33
			WERE	GILL ENERGY CENTER 69KV	38	0.01015	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.06671	33
			KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.06438	34
			KACP	NORTHEAST 161KV	209	-0.01203	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.06438	34
			MIPU	TWA 161KV	32.1	-0.01223	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.06458	34
			WEPL	HARPER 138KV	17.21	0.01338	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.06348	35
			KACP	BULL CREEK 161KV	65	-0.00908	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.06143	36
			KACP	MONTROSE 161KV	18,53572	-0.00619	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.06504	36
			MIPU	ARIES 161KV	595	-0.00694	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05929	37
			MIPU	GREENWOOD 161KV	255.8	-0.00709	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05944	37
			MIPU	RALPH GREEN 69KV	73.7	-0.00711	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05946	37
			MIPU	SIBLEY 161KV	19,62943	-0.00759	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05994	37
			MIPU	SOUTH HARPER 161KV	34,51287	-0.0062	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05855	37
			MIPU	LAKE ROAD 161KV	91	-0.00557	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05792	38
			MIPU	NEVADA 69KV	20.3	-0.00564	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05799	38
			MIDW	lyons 115kv	999	0.02108	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.05578	39
			KACP	MARSHALL 161KV	54.1	-0.00445	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05568	39
			KACP	NEARMAN 161KV	19.81311	-0.01935	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.05641	39
			KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.05667	39
			MIDW	pannee 115kv	999	0.02108	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.05578	39
			KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.05571	39
			MIDW	rice 115kv	999	0.02108	WERE</					

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

AEPW	LEBROCK 345KV	382	0.00174	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05061	43
AEPW	LIEBERMAN 138KV	138.7861	0.01633	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05072	43
AEPW	LONESTAR POWER PLANT 69KV	50	0.00182	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05053	43
AEPW	MATTISON 161KV	510	0.00155	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05058	43
AEPW	PIRKEY GENERATION 138KV	25	0.00174	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05061	43
EMDE	RIVERTON 161KV	126.546	0.00075	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05118	43
AEPW	WILKES 138KV	109.7319	0.0018	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05055	43
WERE	CHANUTE 69KV	32.163	0.002	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05035	44
AEPW	COGENTRIX 345KV	229	0.00275	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0496	44
AEPW	MID-CONTINENT 138KV	142.11	0.00204	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05031	44
OKGE	MUSKOGEE 161KV	31	0.00232	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05003	44
OKGE	MUSKOGEE 345KV	20	0.00254	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04981	44
KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04936	44
KACY	NEARMAN 161KV	19.81311	-0.01935	WEPL	CLIFTON 115KV	65	0.03096	-0.05031	44
AEPW	OEC 345KV	194.03	0.00256	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04979	44
KACY	QUINDARO 161KV	67.60625	-0.01865	WEPL	CLIFTON 115KV	65	0.03096	-0.04961	44
AEPW	RIVERSIDE STATION 138KV	76.0003	0.00274	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04961	44
AEPW	TULSA POWER STATION 138KV	108	0.00271	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04964	44
AEPW	TULSA POWER STATION 69KV	80	0.00271	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04964	44
AEPW	TURK 138KV	608	0.00194	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.05041	44
WERE	CITY OF BURLINGTON 69KV	21.939	0.00395	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0484	45
WERE	EMPORIA 345KV	518	0.02847	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.04839	45
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.0286	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.04826	45
KACY	KAW 69KV	192	-0.0177	WEPL	CLIFTON 115KV	65	0.03096	-0.04866	45
AEPW	KIOWA 345KV	1348	0.00368	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04867	45
KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	SMOKEY HILLS 34KV	152	0.02859	-0.0491	45
KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04909	45
KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04835	45
KACP	NORTHEAST 161KV	209	-0.01203	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04909	45
KACP	NORTHEAST 161KV	209	-0.01203	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04835	45
KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04866	45
KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	SMOKEY HILLS 34KV	152	0.02975	-0.0484	45
KACY	QUINDARO 69KV	100	-0.01818	WEPL	CLIFTON 115KV	65	0.03096	-0.04914	45
WERE	SOUTH SENECA 115KV	16.7	0.02776	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.0491	45
MIPU	TWA 161KV	32.1	-0.01223	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04829	45
MIPU	TWA 161KV	32.1	-0.01223	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04855	45
AEPW	WEELETKA 138KV	58	0.00321	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04914	45
OKGE	HORSESHOE LAKE 138KV	385.002	0.00458	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04777	46
KACY	KAW 69KV	192	-0.0177	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04771	46
KACY	KAW 69KV	192	-0.0177	WERE	SMOKEY HILLS 34KV	152	0.02975	-0.04745	46
OKGE	MCCLAIN 138KV	42	0.00475	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0476	46
KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	EMPORIA 345KV	310	0.02847	-0.04782	46
KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0286	-0.04795	46
KACY	NEARMAN 161KV	19.81311	-0.01935	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02859	-0.04794	46
OKGE	ONE OAK 345KV	200	0.00506	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0473	46
KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0286	-0.04725	46
KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02859	-0.04724	46
KACY	QUINDARO 69KV	100	-0.01818	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04819	46
KACY	QUINDARO 69KV	100	-0.01818	WERE	SMOKEY HILLS 34KV	152	0.02975	-0.04793	46
OKGE	REDBUD 345KV	850	0.00448	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04787	46
AEPW	SOUTHWESTERN STATION 138KV	321	0.00507	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04728	46
OKGE	TINKER 5G 138KV	62	0.00461	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04774	46
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.03001	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.04685	47
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0056	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04675	47
KACY	KAW 69KV	192	-0.0177	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0286	-0.0465	47
KACY	KAW 69KV	192	-0.0177	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02859	-0.04629	47
KACY	QUINDARO 161KV	67.60625	-0.01865	WERE	EMPORIA 345KV	310	0.02847	-0.04712	47
KACY	QUINDARO 69KV	100	-0.01818	WERE	EMPORIA 345KV	310	0.02847	-0.04665	47
KACY	QUINDARO 69KV	100	-0.01818	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0286	-0.04678	47
KACY	QUINDARO 69KV	100	-0.01818	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02859	-0.04677	47
OKGE	RED ROCK 345KV	1050	0.00577	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04658	47
OKGE	SOONER 138KV	24.9997	0.0056	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04675	47
OKGE	SOUTH 4TH ST 69KV	42.7	0.0059	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04645	47
WEPL	BELOIT 115KV	16.6	0.03105	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.04581	48
KACP	BULL CREEK 161KV	65	-0.00908	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04514	48
KACP	BULL CREEK 161KV	65	-0.00908	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.0454	48
KACY	KAW 69KV	192	-0.0177	WERE	EMPORIA 345KV	310	0.02847	-0.04617	48
KACP	MONTROSE 161KV	18.5372	-0.00819	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04525	48
KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.04588	48
KACP	NORTHEAST 161KV	209	-0.01203	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.04588	48
MIPU	TWA 161KV	32.1	-0.01223	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.04608	48
KACP	MONTROSE 161KV	18.5372	-0.00819	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04451	49
MIPU	SIBLEY 161KV	19.62943	-0.00759	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04465	49
MIPU	ARIES 161KV	595	-0.00694	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.044	50
MIPU	GREENWOOD 161KV	255.8	-0.00709	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04415	50
MIPU	RALPH GREEN 69KV	73.7	-0.00711	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04417	50
MIPU	SIBLEY 161KV	19.62943	-0.00759	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04391	50
MIPU	ARIES 161KV	595	-0.00694	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04326	51
KACP	BULL CREEK 161KV	65	-0.00908	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.04293	51
MIPU	GREENWOOD 161KV	255.8	-0.00709	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04341	51
MIPU	LAKE ROAD 161KV	91	-0.00557	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04263	51
MIPU	NEVADA 69KV	20.3	-0.00564	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.0427	51
KACP	NORTHEAST 13KV	176.9458	-0.01203	WEPL	CLIFTON 115KV	65	0.03096	-0.04299	51
KACP	NORTHEAST 161KV	209	-0.01203	WEPL	CLIFTON 115KV	65	0.03096	-0.04299	51
MIPU	RALPH GREEN 69KV	73.7	-0.00711	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04343	51
MIPU	SOUTH HARPER 161KV	34.51287	-0.0062	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.04326	51
MIPU	TWA 161KV	32.1	-0.01223	WERE	CLIFTON 115KV	65	0.03096	-0.04319	51
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.03501	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.07686	-0.04185	52
WERE	GILL ENERGY CENTER 138KV	64.9999	0.0103	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04205	52
WERE	GILL ENERGY CENTER 69KV	38	0.01015	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.0422	52
MIPU	LAKE ROAD 161KV	91	-0.00557	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04189	52
KACP	MONTROSE 161KV	18.5372	-0.00819	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.04204	52
KACY	NEARMAN 161KV	19.81311	-0.01935	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.02294	-0.04229	52
MIPU	NEVADA 69KV	20.3	-0.00564	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04196	52
KACP	NORTHEAST 13KV	176.9458	-0.01203	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04204	52
KACP	NORTHEAST 161KV	209	-0.01203	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04204	52
MIPU	SOUTH HARPER 161KV	34.51287	-0.0062	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.04252	52
MIPU	TWA 161KV	32.1	-0.01223	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03001	-0.04224	52
MIPU	TWA 161KV	32.1	-0.01223	WERE	SMOKEY HILLS 34KV	152	0.02975	-0.04198	52
WERE	EVANS ENERGY CENTER 138KV	217	0.01086	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04149	53
WERE	GETTY 69KV	35	0.01067	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.04168	53
WERE	HOLTON 115KV	19.8	0						

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

MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.04096	54
MIPU	'TWA 161KV'	32.1	-0.01223	WERE	'EMPORIA 345KV'	310	0.02847	-0.0407	54
MIPU	'TWA 161KV'	32.1	-0.01223	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.04083	54
MIPU	'TWA 161KV'	32.1	-0.01223	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.04082	54
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'CLIFTON 115KV'	65	0.03096	-0.03768	55
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.03706	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.07686	-0.0398	55
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.04005	55
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03909	56
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03883	56
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03942	56
MIPU	'NEVADA 69KV'	20.3	-0.00564	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03949	56
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.0383	57
MIPU	'SIBLEY 161KV'	19.62943	-0.00759	WEPL	'CLIFTON 115KV'	65	0.03096	-0.03855	57
MIPU	'ARIES 161KV'	595	-0.00694	WEPL	'CLIFTON 115KV'	65	0.03096	-0.0379	58
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'EMPORIA 345KV'	310	0.02847	-0.03755	58
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03768	58
KACP	'BULL CREEK 161KV'	65	-0.00908	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03767	58
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WEPL	'CLIFTON 115KV'	65	0.03096	-0.03905	58
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WEPL	'CLIFTON 115KV'	65	0.03096	-0.03807	58
MIPU	'SIBLEY 161KV'	19.62943	-0.00759	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.0376	58
MIPU	'ARIES 161KV'	595	-0.00694	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03695	59
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.0371	59
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03712	59
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WEPL	'CLIFTON 115KV'	65	0.03096	-0.03716	59
MIPU	'ARIES 161KV'	595	-0.00694	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03689	60
EMDE	'ASBURY 161KV'	20	0.00039	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03646	60
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03684	60
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WEPL	'CLIFTON 115KV'	65	0.03096	-0.03653	60
EMDE	'LARUSSEL 161KV'	180	0.0002	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03686	60
MIPU	'NEVADA 69KV'	20.3	-0.00564	WEPL	'CLIFTON 115KV'	65	0.03096	-0.0366	60
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03686	60
EMDE	'RIVERTON 161KV'	126.546	0.00075	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03631	60
EMDE	'RIVERTON 69KV'	21.13571	0.00069	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03637	60
EMDE	'STATE LINE 161KV'	103	0.00065	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03641	61
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03569	61
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03568	61
EMDE	'LARUSSEL 161KV'	180	0.0002	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03612	61
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03571	61
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.0357	61
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03621	61
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03595	61
EMDE	'STATE LINE 161KV'	103	0.00065	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03567	61
MIPU	'ARIES 161KV'	595	-0.00694	WERE	'EMPORIA 345KV'	310	0.02847	-0.03541	62
MIPU	'ARIES 161KV'	595	-0.00694	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03554	62
MIPU	'ARIES 161KV'	595	-0.00694	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03553	62
AEWP	'ARSENAL HILL 69KV'	75	0.0016	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03546	62
AEWP	'EASTMAN 138KV'	330.01	0.00175	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03531	62
MIPU	'GREENWOOD 161KV'	255.8	-0.00709	WERE	'EMPORIA 345KV'	310	0.02847	-0.03566	62
AEWP	'KNOXLEE 138KV'	198	0.00174	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03532	62
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03558	62
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.03532	62
AEWP	'LEBRACK 345KV'	382	0.00174	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03532	62
AEWP	'LIEBERMAN 138KV'	138.7861	0.00163	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03543	62
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.00182	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03524	62
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'CLIFTON 115KV'	65	0.03096	-0.03541	62
AEWP	'MATTISON 161KV'	510	0.00155	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03551	62
AEWP	'PIRKEY GENERATION 138KV'	25	0.00174	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03532	62
MIPU	'RALPH GREEN 69KV'	73.7	-0.00711	WERE	'EMPORIA 345KV'	310	0.02847	-0.03558	62
EMDE	'RIVERTON 161KV'	126.546	0.00075	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03557	62
EMDE	'RIVERTON 69KV'	21.13571	0.00069	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03563	62
AEWP	'TURK 138KV'	608	0.00194	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03512	62
MIPU	'TWA 161KV'	32.1	-0.01223	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.02294	-0.03517	62
AEWP	'WILKES 138KV'	109.7319	0.00118	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03526	62
AEWP	'ARSENAL HILL 69KV'	75	0.0016	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03472	63
WERE	'CHANUTE 69KV'	32.163	0.00174	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03506	63
AEWP	'EASTMAN 138KV'	330.01	0.00175	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03457	63
AEWP	'KNOXLEE 138KV'	198	0.00174	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03458	63
AEWP	'LEBRACK 345KV'	382	0.00174	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03458	63
AEWP	'LIEBERMAN 138KV'	138.7861	0.00163	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03469	63
AEWP	'MATTISON 161KV'	510	0.00155	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03477	63
AEWP	'MID-CONTINENT 138KV'	142.11	0.00204	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03502	63
OKGE	'MUSKOGEE 161KV'	31	0.00232	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03474	63
KACP	'NORTHEAST 13KV'	176.9458	-0.01203	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.02294	-0.03497	63
KACP	'NORTHEAST 161KV'	209	-0.01203	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.02294	-0.03497	63
AEWP	'PIRKEY GENERATION 138KV'	25	0.00174	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03458	63
KACY	'QUINDARO 161KV'	67.60625	-0.01865	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01599	-0.03464	63
KACY	'QUINDARO 161KV'	67.60625	-0.01865	WEPL	'JUDSON LARGE 115KV'	116.093	0.01598	-0.03463	63
KACY	'QUINDARO 161KV'	67.60625	-0.01865	WEPL	'SPEARVILLE WIND 34KV'	100	0.01636	-0.03501	63
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'EMPORIA 345KV'	310	0.02847	-0.03467	63
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03468	63
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.0062	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03479	63
WERE	'CHANUTE 69KV'	32.163	0.00174	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03432	64
AEWP	'COGENTRIX 345KV'	229	0.00275	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03431	64
KACY	'KAW 69KV'	192	-0.0177	WEPL	'SPEARVILLE WIND 34KV'	100	0.01636	-0.03406	64
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'EMPORIA 345KV'	310	0.02847	-0.03404	64
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03417	64
MIPU	'LAKE ROAD 161KV'	91	-0.00557	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03416	64
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.00182	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.0345	64
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03001	-0.03446	64
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'SMOKEY HILLS 34KV'	152	0.02975	-0.0342	64
AEWP	'MID-CONTINENT 138KV'	142.11	0.00204	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03428	64
AEWP	'OEC 345KV'	1941.03	0.00256	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.0345	64
KACY	'QUINDARO 69KV'	100	-0.01818	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01599	-0.03417	64
KACY	'QUINDARO 69KV'	100	-0.01818	WEPL	'JUDSON LARGE 115KV'	116.093	0.01598	-0.03416	64
KACY	'QUINDARO 69KV'	100	-0.01818	WEPL	'SPEARVILLE WIND 34KV'	100	0.01636	-0.03454	64
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.00274	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03432	64
AEWP	'TULSA POWER STATION 138KV'	80	0.00271	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03435	64
AEWP	'TULSA POWER STATION 69KV'	80	0.00271	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03435	64
AEWP	'TURK 138KV'	608	0.00194	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03438	64
AEWP	'WILKES 138KV'	109.7319	0.00118	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03452	64
AEWP	'COGENTRIX 345KV'	229	0.00275	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03357	65
KACY	'KAW 69KV'	192	-0.0177	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01599	-0.03369	65
KACY	'KAW 69KV'	192	-0.0177	WEPL	'JUDSON LARGE 115KV'	116.093	0.01598	-0.03368	65
EMDE	'LARUSSEL 161KV'	180	0.0002	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.03365	65
OKGE	'MUSKOGEE 161KV'	31	0.00232	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.0334	65
AEWP	'OEC 345KV'	1941.03	0.00256	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03376	65
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.00274	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03358	65
AEWP	'TULSA POWER STATION 138KV'	80	0.00271	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03361	65
AEWP	'TULSA POWER STATION 69KV'	80	0.00271	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.03632	-0.03361	65
AEWP	'WELLETKA 138KV'	58	0.00321	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03385	65
AEWP	'KIOWA 345KV'	1348	0.00368	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.03706	-0.03338	66
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.0286	-0.03305	66
KACP	'MARSHALL 161KV'	54.1	-0.00445	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02859	-0.03304	66
EMDE	'RIVERTON 161KV'	126.546	0.00075	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.03385	-0.0331	66
EMDE	'STATE LINE 161KV'	103	0.00065	WERE	'ABILENE ENERGY CENTER				

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

OKGE	REDBUD 345KV	850	0.00448	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03258	67
AEPW	ARSENAL HILL 69KV	75	0.00166	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03225	68
AEPW	EASTMAN 138KV	330.01	0.00175	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.0321	68
OKGE	HORSESHOE LAKE 138KV	385.002	0.00458	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03248	68
AEPW	KNOXLEE 138KV	198	0.00174	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03211	68
AEPW	LEBROCK 345KV	382	0.00174	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03211	68
AEPW	LIEBERMAN 138KV	138.7861	0.00163	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03222	68
AEPW	LONESTAR POWER PLANT 69KV	50	0.00182	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03203	68
AEPW	MATTISON 161KV	510	0.00155	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.0323	68
OKGE	MCCLAIN 138KV	42	0.00475	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03231	68
AEPW	PIRKEY GENERATION 138KV	25	0.00174	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03211	68
KACY	QUINDARO 69KV	100	-0.01818	WEPL	CIMARRON RIVER 115KV	33.49084	0.01417	-0.03235	68
OKGE	TINKER 5G 138KV	62	0.00461	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03245	68
AEPW	WILKES 138KV	109.7319	0.0018	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03205	68
KACP	BULL CREEK 161KV	65	-0.00508	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.02294	-0.03202	69
WERE	CHANUTE 69KV	32.163	0.002	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03185	69
OKGE	HORSESHOE LAKE 138KV	385.002	0.00458	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03174	69
KACY	KAW 69KV	192	-0.0177	WEPL	CIMARRON RIVER 115KV	33.49084	0.01417	-0.03187	69
OKGE	MCCLAIN 138KV	42	0.00475	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03157	69
AEPW	MID-CONTINENT 138KV	142.11	0.00204	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03181	69
OKGE	ONE OAK 345KV	200	0.00505	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03201	69
OKGE	REDBUD 345KV	850	0.00448	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03184	69
AEPW	SOUTHWESTERN STATION 138KV	321	0.00507	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03199	69
OKGE	TINKER 5G 138KV	62	0.00461	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03171	69
AEPW	TURK 138KV	608	0.00194	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03191	69
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0056	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03146	70
MIDW	lyons 115kv	999	0.02108	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.03127	70
OKGE	MUSKOGEE 161KV	31	0.00232	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03153	70
AEPW	OEC 345KV	1941.03	0.00256	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03129	70
OKGE	ONE OAK 345KV	200	0.00505	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03127	70
MIDW	pawnee 115kv	999	0.02108	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.03127	70
OKGE	RED ROCK 345KV	1050	0.00577	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03129	70
MIDW	rice 115kv	999	0.02108	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05235	-0.03127	70
OKGE	SOONER 138KV	24.99977	0.0056	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03146	70
OKGE	SOUTH 4TH ST 69KV	42.7	0.0056	WERE	JEFFREY ENERGY CENTER 230KV	470	0.03706	-0.03116	70
AEPW	SOUTHWESTERN STATION 138KV	321	0.00507	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03126	70
AEPW	TULSA POWER STATION 138KV	108	0.00271	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03114	70
AEPW	TULSA POWER STATION 69KV	80	0.00271	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03114	70
AEPW	COGENTRIX 345KV	229	0.00275	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03111	71
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0056	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03072	71
EMDE	LARUSSEL 161KV	180	0.0002	WEPL	CLIFTON 115KV	65	0.03096	-0.03076	71
AEPW	RIVERSIDE STATION 138KV	76.0003	0.00274	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03111	71
OKGE	SOONER 138KV	24.99977	0.0056	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03072	71
OKGE	RED ROCK 345KV	1050	0.00577	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03055	72
OKGE	SOUTH 4TH ST 69KV	42.7	0.0056	WERE	JEFFREY ENERGY CENTER 345KV	940	0.03632	-0.03042	72
EMDE	STATE LINE 161KV	103	0.00065	WEPL	CLIFTON 115KV	65	0.03096	-0.03041	72
AEPW	WELETKA 138KV	58	0.00321	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03064	72
MIPU	GREENWOOD 161KV	255.8	-0.00709	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.02294	-0.03003	73
AEPW	KIOWA 345KV	1348	0.00368	WERE	ABILENE ENERGY CENTER 115KV	40	0.03385	-0.03017	73
MIPU	RALPH GREEN 69KV	73.7	-0.00711	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.02294	-0.03005	73
EMDE	RIVERTON 161KV	126.546	0.00075	WEPL	CLIFTON 115KV	65	0.03096	-0.03021	73

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: 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1 Displacement
 Limiting Facility: 95TH & WAVERLY - CAPTAIN JUNCTION 115KV CKT 1
 Direction: To->From
 Line Outage: MIDLAND JUNCTION - PENTAGON 115KV CKT 1
 Flowgate: 5727857235157252726112108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1162075	1.6	3.1	KACY	KAW 69KV	192	-0.02137	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.1148	27
1162578	0.8	3.1	KACY	NEARMAN 161KV	19.81311	-0.02373	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.11716	27
1162681	0.8	3.1	KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.11616	27
			KACY	QUINDARO 69KV	100	-0.02206	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.11549	27
			KACP	NORTHEAST 138KV	176.9458	-0.01344	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10687	29
			KACP	NORTHEAST 161KV	209	-0.01344	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10687	29
			MIPU	TWA 161KV	32.1	-0.03115	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10659	30
			MIPU	ARIES 161KV	595	-0.00773	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10116	31
			KACP	BULL CREEK 161KV	65	-0.00854	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10197	31
			KACP	GARDNER 161KV	11	-0.00932	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10275	31
			MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10128	31
			KACP	MONTROSE 161KV	18.53572	-0.00909	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10252	31
			MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10137	31
			MIPU	SIBLEY 161KV	19.62943	-0.00795	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10138	31
			MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.10052	31
			KACP	MARSHALL 161KV	54.1	-0.00457	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.098	32
			MIPU	NEVADA 69KV	20.3	-0.00638	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09981	32
			MIPU	LAKE ROAD 161KV	91	-0.00336	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09679	33
			AEPW	ARSENAL HILL 69KV	75	0.00136	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09207	34
			EMDE	ASHBURY 161KV	20	0.00003	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0934	34
			WERE	CHANUTE 69KV	32.163	0.00159	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09184	34
			WERE	CITY OF IOLA 69KV	13.157	0.0008	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09263	34
			AEPW	EASTMAN 138KV	330.01	0.00149	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09194	34
			AEPW	KNOXLEE 138KV	198	0.00148	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09195	34
			AEPW	LAD13 69KV	13	0.00138	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09205	34
			EMDE	LARUSSEL 161KV	180	-0.00015	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09358	34
			AEPW	LEBROCK 345KV	382	0.00148	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09195	34
			AEPW	LIEBERMAN 138KV	138.7861	0.00138	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09205	34
			AEPW	LONESTAR POWER PLANT 69KV	50	0.00155	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09188	34
			AEPW	MATTISON 161KV	510	0.00117	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09226	34
			AEPW	MID-CONTINENT 138KV	142.11	0.00163	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0918	34
			OKGE	MUSKOGEE 161KV	31	0.00192	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09151	34
			OKGE	MUSKOGEE 345KV	20	0.00212	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09131	34
			AEPW	OEC 345KV	1941.03	0.00213	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0913	34
			AEPW	PIRKEY GENERATION 138KV	25	0.00148	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09195	34
			EMDE	RIVERTON 161KV	126.546	0.00038	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09305	34
			EMDE	RIVERTON 69KV	21.13571	0.00031	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09312	34
			EMDE	STATE LINE 161KV	103	0.00028	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09315	34
			AEPW	TURK 138KV	608	0.00165	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09178	34
			AEPW	WILKES 138KV	109.7319	0.00153	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0919	34
			WERE	CITY OF BURLINGTON 69KV	21.939	0.00343	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09	35
			AEPW	COGENTRIX 345KV	229	0.0023	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09113	35
			OKGE	HORSESHOE LAKE 138KV	385.002	0.00398	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08945	35
			AEPW	KIOWA 345KV	1348	0.00317	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09026	35
			OKGE	MCCLAIN 138KV	42	0.00413	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08953	35
			OKGE	ONE OAK 345KV	200	0.00441	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08952	35
			OKGE	REDBUD 345KV	850	0.00389	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08954	35
			AEPW	RIVERSIDE STATION 138KV	76.0003	0.00229	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09114	35
			AEPW	SOUTHWESTERN STATION 138KV	321	0.0044	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08903	35

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

OKGE	TINKER 5G 138KV	62	0.00401	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08942	35
AEPW	TULSA POWER STATION 138KV	108	0.00226	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09117	35
AEPW	TULSA POWER STATION 69KV	80	0.00226	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09117	35
AEPW	WLEETKA 138KV	58	0.00273	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.09007	35
OKGE	CONTINENTAL EMPIRE 138KV	33	0.02431	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08885	36
OKGE	RED ROCK 345KV	1050	0.00509	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08834	36
OKGE	SOONER 138KV	24.99997	0.00493	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08855	36
OKGE	SOUTH 4TH ST 69KV	42.7	0.0052	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08823	36
WERE	CITY OF WINFIELD 69KV	13.23	0.00741	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08602	37
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00927	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08416	37
WERE	GILL ENERGY CENTER 69KV	38	0.00914	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08429	37
WERE	EVANS ENERGY CENTER 138KV	217	0.00982	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08361	38
WERE	GETTY 69KV	35	0.00993	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0835	38
WEPL	HARPER 138KV	17.21	0.01195	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.08188	38
KACY	NEARMAN 161KV	19.81311	-0.02373	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.07822	40
MIDW	hwy 115kv	999	0.01723	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0762	41
MIDW	hwy 115kv	999	0.01723	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0762	41
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.07722	41
KACY	QUINDARO 69KV	100	-0.02206	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.07655	41
MIDW	rice 115kv	999	0.01723	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0762	41
KACY	KAW 69KV	192	-0.02137	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.07586	42
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.01864	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.07479	42
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.01994	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.07349	43
WEPL	RUSSELL 115KV	27.9	0.02038	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.07305	43
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.02403	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.0694	45
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.0231	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.07033	45
WEPL	BELOIT 115KV	16.6	0.02499	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06844	46
WERE	JEFFREY ENERGY CENTER 345KV	42	0.02467	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06876	46
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06793	46
KACP	NORTHEAST 161KV	209	-0.01344	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06793	46
WERE	SOUTH SENECA 115KV	16.7	0.02461	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06882	46
WERE	EMPORIA 345KV	518	0.02599	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06744	47
MIPU	TWA 161KV	32.1	-0.01315	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06764	47
WERE	HOLTON 115KV	19.8	0.02793	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06655	48
WERE	JEFFREY ENERGY CENTER 230KV	24	0.02786	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06577	48
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.02931	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.09343	-0.06382	49
KACP	BULL CREEK 161KV	65	-0.00854	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06303	50
KACP	MONTRÖSE 161KV	18.53572	-0.00909	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06358	50
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06243	50
MIPU	SIBLEY 161KV	19.62943	-0.00795	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06244	50
MIPU	ARIES 161KV	595	-0.00773	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06222	51
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06234	51
MIPU	TWO HARPER 161KV	34.51287	-0.00709	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06158	51
MIPU	NEVADA 69KV	20.3	-0.00638	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.06087	52
KACP	MARSHALL 161KV	54.1	-0.00457	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05906	53
MIPU	LAKE ROAD 161KV	91	-0.00338	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05785	54
EMDE	ASBURY 161KV	20	0.00003	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05446	58
EMDE	LARUSSEL 161KV	180	-0.00015	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05464	58
EMDE	RIVERTON 161KV	126.546	0.00038	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05411	58
EMDE	RIVERTON 69KV	21.13571	0.00031	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05418	58
EMDE	STATE LINE 161KV	103	0.00028	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05421	58
AEPW	ARSENAL HILL 69KV	75	0.00136	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05313	59
AEPW	EASTMAN 138KV	330.01	0.00149	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.053	59
AEPW	KNOXLEE 138KV	198	0.00148	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05301	59
AEPW	LEBROCK 345KV	382	0.00148	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05301	59
AEPW	LIEBERMAN 138KV	138.7961	0.00138	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05311	59
AEPW	LONESTAR POWER PLANT 69KV	50	0.00155	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05294	59
AEPW	MATTISON 161KV	510	0.00117	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05332	59
AEPW	PIRKAY GENERATION 138KV	25	0.00148	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05301	59
AEPW	WILKES 138KV	109.7319	0.00165	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05296	59
WERE	CHANUTE 69KV	32.163	0.00159	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.0529	60
AEPW	COGENTRIX 345KV	229	0.0023	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05219	60
AEPW	MID-CONTINENT 138KV	142.11	0.00163	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05286	60
OKGE	MUSKOGEE 161KV	31	0.00192	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05257	60
OKGE	MUSKOGEE 345KV	28	0.00212	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05237	60
AEPW	OEC 345KV	1941.03	0.0013	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05248	60
AEPW	RIVERSIDE STATION 138KV	76.00003	0.00229	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05222	60
AEPW	TULSA POWER STATION 138KV	108	0.00226	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05223	60
AEPW	TULSA POWER STATION 69KV	80	0.00226	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05223	60
AEPW	TURK 138KV	608	0.00165	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05284	60
AEPW	KIOWA 345KV	1348	0.00317	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05132	61
AEPW	WLEETKA 138KV	58	0.00273	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05176	61
WERE	CITY OF BURLINGTON 69KV	21.939	0.00343	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05106	62
OKGE	HORSESHOE LAKE 138KV	385.002	0.00398	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05051	62
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.0508	62
KACY	QUINDARO 69KV	67.60625	-0.02273	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.05039	62
OKGE	REDBUD 345KV	850	0.00389	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05008	62
OKGE	TINKER 5G 138KV	62	0.00401	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05048	62
OKGE	MCCLAIN 138KV	42	0.00413	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05036	63
OKGE	ONE OAK 345KV	200	0.00441	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05008	63
KACY	QUINDARO 69KV	100	-0.02206	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.05013	63
KACY	QUINDARO 69KV	100	-0.02206	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.04972	63
AEPW	SOUTHWESTERN STATION 138KV	321	0.0044	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.05009	63
OKGE	CONTINENTAL EMPIRE 138KV	32	0.00493	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04956	64
KACY	KAW 69KV	192	-0.02137	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.04944	64
KACY	KAW 69KV	192	-0.02137	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.04903	64
OKGE	RED ROCK 345KV	1050	0.00509	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.0494	64
OKGE	SOONER 138KV	24.99997	0.00493	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04956	64
OKGE	SOUTH 4TH ST 69KV	42.7	0.0052	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04929	64
KACY	QUINDARO 161KV	67.60625	-0.02273	WEPL	CLIFTON 115KV	65	0.0255	-0.04823	65
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	EMPORIA 345KV	310	0.02599	-0.04872	65
KACY	KAW 69KV	192	-0.02137	WERE	EMPORIA 345KV	310	0.02599	-0.04736	66
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.0474	66
KACY	QUINDARO 69KV	100	-0.02206	WEPL	CLIFTON 115KV	65	0.0255	-0.04756	66
KACY	QUINDARO 69KV	100	-0.02206	WERE	EMPORIA 345KV	310	0.02599	-0.04805	66
KACY	KAW 69KV	192	-0.02137	WEPL	CLIFTON 115KV	65	0.0255	-0.04687	67
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.04676	67
KACY	QUINDARO 69KV	100	-0.02206	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.04673	67
KACY	KAW 69KV	192	-0.02137	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.04604	68
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.04631	68
KACY	QUINDARO 69KV	100	-0.02206	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.04609	68
WERE	GILL ENERGY CENTER 69KV	38	0.00914	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04535	69
KACY	KAW 69KV	192	-0.02137	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.0454	69
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.04583	69
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02307	-0.04583	69
KACY	QUINDARO 69KV	100	-0.02206	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.04564	69
WERE	EVANS ENERGY CENTER 138KV	217	0.00982	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04467	70
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00927	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.04522	70
KACY	KAW 69KV	192	-0.02137	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.04495	70
KACY	QUINDARO 69KV	100	-0.02206	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.04516	70
KACY	QUINDARO 69KV								

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

KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.0411	77
KACP	NORTHEAST 161KV	209	-0.01344	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.0411	77
KACY	QUINDARO 69KV	100	-0.02206	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01864	-0.0407	77
MIPU	TWA 161KV	32.1	-0.01315	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.04081	77
KACY	KAW 69KV	192	-0.02137	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01864	-0.04001	79
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	EMPORIA 345KV	310	0.02599	-0.03943	80
KACP	NORTHEAST 161KV	209	-0.01344	WERE	EMPORIA 345KV	310	0.02599	-0.03943	80
MIPU	TWA 161KV	32.1	-0.01315	WERE	EMPORIA 345KV	310	0.02599	-0.03914	80
KACP	NORTHEAST 13KV	176.9458	-0.01344	WEPL	CLIFTON 115KV	65	0.0255	-0.03894	81
KACP	NORTHEAST 161KV	209	-0.01344	WEPL	CLIFTON 115KV	65	0.0255	-0.03894	81
MIPU	TWA 161KV	32.1	-0.01315	WEPL	CLIFTON 115KV	65	0.0255	-0.03865	81
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03811	83
KACP	NORTHEAST 161KV	209	-0.01344	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03811	83
MIPU	TWA 161KV	32.1	-0.01315	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03782	83
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03747	84
KACP	NORTHEAST 161KV	209	-0.01344	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03747	84
MIDW	lyons 115kv	999	0.01723	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03726	85
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03702	85
KACP	NORTHEAST 161KV	209	-0.01344	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03702	85
MIDW	pawnee 115kv	999	0.01723	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03726	85
MIDW	rice 115kv	999	0.01723	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03726	85
MIPU	TWA 161KV	32.1	-0.01315	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03718	85
KACP	BULL CREEK 161KV	65	-0.00854	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03661	86
KACP	NORTHEAST 13KV	176.9458	-0.01344	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03654	86
KACP	NORTHEAST 161KV	209	-0.01344	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03654	86
KACP	NORTHEAST 161KV	209	-0.01344	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03654	86
KACP	NORTHEAST 161KV	209	-0.01344	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03654	86
MIPU	TWA 161KV	32.1	-0.01315	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03673	86
KACP	BULL CREEK 161KV	65	-0.00854	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.0362	87
KACY	QUINDARO 161KV	67.60625	-0.02273	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01335	-0.03608	87
KACY	QUINDARO 161KV	67.60625	-0.02273	WEPL	JUDSON LARGE 115KV	116.093	0.01334	-0.03607	87
KACY	QUINDARO 161KV	67.60625	-0.02273	WEPL	SPEARVILLE WIND 34KV	100	0.01361	-0.03634	87
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03601	87
MIPU	TWA 161KV	32.1	-0.01315	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03625	87
MIPU	TWA 161KV	32.1	-0.01315	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.02807	-0.03625	87
MIPU	ARIES 161KV	595	-0.00773	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03568	88
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03592	88
KACY	QUINDARO 69KV	100	-0.02206	WEPL	SPEARVILLE WIND 34KV	100	0.01361	-0.03567	88
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.0356	88
MIPU	ARIES 161KV	595	-0.00773	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.03539	89
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.03551	89
KACY	QUINDARO 69KV	100	-0.02206	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01335	-0.03541	89
KACY	QUINDARO 69KV	100	-0.02206	WEPL	JUDSON LARGE 115KV	116.093	0.01334	-0.0354	89
KACY	KAW 69KV	192	-0.02137	WEPL	SPEARVILLE WIND 34KV	100	0.01361	-0.03498	90
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03516	90
KACP	BULL CREEK 161KV	65	-0.00854	WERE	EMPORIA 345KV	310	0.02599	-0.03453	91
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.01994	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03455	91
KACY	KAW 69KV	192	-0.02137	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01335	-0.03472	91
KACY	KAW 69KV	192	-0.02137	WEPL	JUDSON LARGE 115KV	116.093	0.01334	-0.03471	91
KACY	QUINDARO 161KV	67.60625	-0.02273	WEPL	CIMARRON RIVER 115KV	33.4904	0.01195	-0.03468	91
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.03475	91
MIPU	ARIES 161KV	595	-0.00773	WERE	EMPORIA 345KV	310	0.02599	-0.03372	93
KACP	BULL CREEK 161KV	65	-0.00854	WEPL	CLIFTON 115KV	65	0.0255	-0.03404	93
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	EMPORIA 345KV	310	0.02599	-0.03384	93
KACY	QUINDARO 69KV	100	-0.02206	WEPL	CIMARRON RIVER 115KV	33.4904	0.01195	-0.03401	93
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	EMPORIA 345KV	310	0.02599	-0.03393	93
MIPU	GREENWOOD 161KV	255.8	-0.00785	WEPL	CLIFTON 115KV	65	0.0255	-0.03335	94
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WEPL	CLIFTON 115KV	65	0.0255	-0.03344	94
MIPU	ARIES 161KV	595	-0.00773	WEPL	CLIFTON 115KV	65	0.0255	-0.03323	95
KACP	BULL CREEK 161KV	65	-0.00854	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03321	95
KACY	KAW 69KV	192	-0.02137	WEPL	CIMARRON RIVER 115KV	33.4904	0.01195	-0.03332	95
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	EMPORIA 345KV	310	0.02599	-0.03308	95
KACP	MARSHALL 161KV	54.1	-0.00457	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03264	96
MIPU	ARIES 161KV	595	-0.00773	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.0324	97
KACP	BULL CREEK 161KV	65	-0.00854	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03257	97
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03252	97
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	EVANS ENERGY CENTER 138KV	510	0.00982	-0.03255	97
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03261	97
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WEPL	CLIFTON 115KV	65	0.0255	-0.03259	97
KACP	BULL CREEK 161KV	65	-0.00854	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03212	98
KACP	MARSHALL 161KV	54.1	-0.00457	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.03223	98
KACP	NORTHEAST 13KV	176.9458	-0.01344	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01864	-0.03208	98
KACP	NORTHEAST 161KV	209	-0.01344	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01864	-0.03208	98
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	GILL ENERGY CENTER 138KV	155	0.00927	-0.032	98
MIPU	ARIES 161KV	595	-0.00773	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03176	99
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03188	99
KACY	QUINDARO 161KV	67.60625	-0.02273	WERE	GILL ENERGY CENTER 69KV	45	0.00914	-0.03187	99
KACY	QUINDARO 69KV	100	-0.02206	WERE	EVANS ENERGY CENTER 138KV	510	0.00982	-0.03188	99
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03197	99
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02467	-0.03176	99
KACP	BULL CREEK 161KV	65	-0.00854	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03164	100
KACP	BULL CREEK 161KV	65	-0.00854	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.0231	-0.03164	100
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03143	100
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.0231	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03139	100
MIPU	LAKE ROAD 161KV	91	-0.00336	WERE	ABILENE ENERGY CENTER 115KV	40	0.02807	-0.03143	100
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03152	100
MIPU	ARIES 161KV	595	-0.00773	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03131	101
KACY	KAW 69KV	192	-0.02137	WERE	EVANS ENERGY CENTER 138KV	510	0.00982	-0.03119	101
KACY	QUINDARO 69KV	100	-0.02206	WERE	GILL ENERGY CENTER 138KV	155	0.00927	-0.03133	101
KACY	QUINDARO 69KV	100	-0.02206	WERE	GILL ENERGY CENTER 69KV	45	0.00914	-0.0312	101
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03104	101
MIPU	RALPH GREEN 69KV	73.7	-0.00794	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.0231	-0.03104	101
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.02403	-0.03112	101
MIPU	ARIES 161KV	595	-0.00773	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03083	102
MIPU	ARIES 161KV	595	-0.00773	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.0231	-0.03083	102
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.0231	-0.03095	102
MIPU	GREENWOOD 161KV	255.8	-0.00785	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.0231	-0.03095	102
MIPU	LAKE ROAD 161KV	91	-0.00336	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02766	-0.03102	102
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.02403	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.05449	-0.03046	103
KACY	KAW 69KV	192	-0.02137	WERE	GILL ENERGY CENTER 138KV	155	0.00927	-0.03064	103
KACY	KAW 69KV	192	-0.02137	WERE	GILL ENERGY CENTER 69KV	45	0.00914	-0.03051	103
KACP	MARSHALL 161KV	54.1	-0.00457	WERE	EMPORIA 345KV	310	0.02599	-0.03056	103
MIPU	SOUTH HARPER 161KV	34.51287	-0.00709	WERE	SMOKEY HILLS 34KV	152	0.02358	-0.03067	103
KACP	MARSHALL 161KV	54.1	-0.00457	WEPL	CLIFTON 115KV	65	0.0255	-0.03007	105

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Direction: To->From
 Line Outage: ORRICK - SIBLEY 161KV CKT 1
 Flowgate: 59205592351592445920214107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							Aggregate Redispatch Amount (MW)
1162650	2.0	4.0							
1162651	2.0	4.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.37617	11
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.33297	12
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.34852	12
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.30532	13
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.31632	13
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.30469	13
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'MOCT 69KV'	30.8	0.0981	-0.28296	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'SUB H 69KV'	29.07014	0.11176	-0.29662	14
MIPU	'ARIES 161KV'	595	-0.14166	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.27312	15
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.27704	15
MIPU	'ARIES 161KV'	595	-0.14166	INDN	'SUB H 69KV'	29.07014	0.11176	-0.25342	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.24484	16
MIPU	'ARIES 161KV'	595	-0.14166	INDN	'MOCT 69KV'	30.8	0.0981	-0.23676	17
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.23635	17
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.23983	17
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'HAWTHORN 161KV'	769	0.04069	-0.22555	18
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.22045	18
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.22045	18
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.2223	18
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'NORTHEAST 161KV'	73	0.03744	-0.2223	18
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.22789	18
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.21982	18
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'SUB H 69KV'	29.07014	0.11176	-0.22514	18
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.2087	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'MOCT 69KV'	30.8	0.0981	-0.21148	19
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.21218	19
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.21307	19
SWPA	'BEAVER 161KV'	27.49995	-0.00836	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19967	20
WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20194	20
WERE	'CITY OF AUGUSTA 69KV'	10.141	-0.00874	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20005	20
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20228	20
WERE	'CITY OF FREDONIA 69KV'	9.173	-0.00571	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20102	20
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20268	20
WERE	'CITY OF MULVANE 69KV'	7.502	-0.00885	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20016	20
WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0083	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19961	20
WERE	'EMPORIA 345KV'	828	-0.00746	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19877	20
SWPA	'EUFAULA 138KV'	9.00004	-0.00592	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19723	20
SWPA	'EUFAULA 161KV'	12.4	-0.00592	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19723	20
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00874	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20005	20
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.1999	20
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19988	20
WERE	'GILL ENERGY CENTER 69KV'	8	-0.00864	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19995	20
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'HATAN 345KV'	396	0.01567	-0.20053	20
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19866	20
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.20024	20
SWPA	'WEBBERS FALLS 161KV'	30	-0.00614	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19745	20
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19203	21
SWPA	'BROKEN BOW 138KV'	16.6	-0.00466	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19597	21
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19541	21
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19686	21
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00451	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19582	21
WERE	'CLAY CENTER JUNCTION 115KV'	38.11	-0.00186	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19317	21
SWPA	'DENISON 138KV'	10.59999	-0.00573	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19704	21
KACP	'GARDNER 161KV'	11	-0.00493	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19624	21
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00407	-0.18893	21
SWPA	'GREERS FERRY 161KV'	16.6	-0.00286	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19417	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19193	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00062	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19193	21
SWPA	'INDEPENDENCE 161KV'	13	-0.00255	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19386	21
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19161	21
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.0005	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19081	21
SWPA	'KENNETT 69KV'	21.8	-0.001	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19331	21
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19398	21
SWPA	'MALDEN 69KV'	10	-0.0008	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19211	21
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.19217	21
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19594	21
SWPA	'PARAGOULD 69KV'	12	-0.00135	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19266	21
SWPA	'PIGGOTT 69KV'	7.5	-0.00093	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19224	21
SWPA	'POPLAR BLUFF 69KV'	7	-0.00098	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19229	21
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19655	21
WERE	'ST JOHN 115KV'	7.5	-0.00011	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19142	21
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19278	21
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'HAWTHORN 161KV'	769	0.04069	-0.18235	22
SWPA	'CLARENCE CANNON DAM 69KV'	8.799999	0.00407	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18724	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.18331	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.18414	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.1802	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.18076	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'GREERS FERRY 161KV'	93.4	-0.00286	-0.182	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.18424	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.18424	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.18458	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0005	-0.18536	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'JONESBORO 161KV'	83	-0.00161	-0.18325	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.18219	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.18023	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.17962	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'SIKESTON 161KV'	235	-0.00039	-0.18447	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.18325	22
WERE	'HOLTON 115KV'	19.8	-0.00428	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18703	22
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.17998	22
WERE	'SOUTH SENECA 115KV'	18.7	-0.00648	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18483	22
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.18542	22
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.17725	23
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.17725	23
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.1791	23
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'NORTHEAST 161KV'	73	0.03744	-0.1791	23
SWPA	'BEAVER 161KV'	27.49995	-0.00836	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17202	23
WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17429	23
WERE	'CITY OF AUGUSTA 69KV'	10.141	-0.00874	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.1724	23
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17515	23
WERE	'CITY OF FREDONIA 69KV'	9.173	-0.00571	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17337	23
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17503	23
WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0083	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17196	23
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00874	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.1724	23
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17225	23

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

WERE	GILL ENERGY CENTER 138KV	49	-0.00857	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.17223	23
WERE	GILL ENERGY CENTER 69KV	8	-0.00864	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.1723	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	BEAVER 161KV	138.1001	-0.00836	-0.1765	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	BULL SHOALS 161KV	278.7	-0.00555	-0.17931	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	CARTERS CREEK 69KV	30	-0.01201	-0.17285	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CHANUTE 69KV	56.723	-0.01063	-0.17423	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF AUGUSTA 69KV	24	-0.00874	-0.17612	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF BURLINGTON 69KV	34.753	-0.01149	-0.17337	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF ERIE 69KV	23.27	-0.01063	-0.17423	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF IOLA 69KV	24.267	-0.01137	-0.17349	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF MULVANE 69KV	8.288	-0.00885	-0.17601	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	CITY OF WINFIELD 69KV	27.962	-0.0083	-0.17656	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	-0.01149	-0.17337	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	DENISON 138KV	59.40001	-0.00573	-0.17913	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	EUFULA 138KV	51	-0.00592	-0.17894	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	EUFULA 161KV	69.6	-0.00592	-0.17894	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	EVANS ENERGY CENTER 138KV	565	-0.00874	-0.17612	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	GILL ENERGY CENTER 138KV	171	-0.00857	-0.17629	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	GILL ENERGY CENTER 69KV	75	-0.00864	-0.17622	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	KEYSTONE DAM 161KV	150.2	-0.00735	-0.17751	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	WERE	WACO 138KV	17.96	-0.00859	-0.17627	23
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	WEBBERS FALLS 161KV	39	-0.00614	-0.17872	23
MIPU	NEVADA 69KV	20.3	-0.04504	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.1765	23
SWPA	BROKEN BOW 138KV	16.6	-0.00466	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16832	24
KACP	BULL CREEK 161KV	65	-0.0041	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16776	24
SWPA	BULL SHOALS 161KV	110.9	-0.00555	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16821	24
WERE	CITY OF OSAGE CITY 115KV	8.85	-0.00451	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16817	24
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00186	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16552	24
SWPA	DENISON 138KV	10.59999	-0.00573	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16939	24
WERE	EMPORIA 345KV	828	-0.00746	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.17112	24
SWPA	EUFULA 138KV	9.00004	-0.00592	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16958	24
SWPA	EUFULA 161KV	12.4	-0.00592	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16958	24
KACP	GARDNER 161KV	11	-0.00493	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16859	24
MIPU	GREENWOOD 161KV	255.8	-0.18486	KACP	LACYGNE UNIT 345KV	958	-0.01404	-0.17082	24
SWPA	GREYS FERRY 161KV	16.6	-0.00286	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16852	24
SWPA	INDEPENDENCE 161KV	13	-0.00256	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16821	24
SWPA	KEYSTONE DAM 161KV	50	-0.00735	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.17101	24
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00267	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16633	24
KACP	MARSHALL 161KV	54.1	-0.03658	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.16804	24
SWPA	OZARK 161KV	64.90001	-0.00463	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16829	24
SWPA	PARAGOULD 69KV	12	-0.00135	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16501	24
SWPA	ROBERT S. KERR 161KV	74.5	-0.00524	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.1689	24
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00147	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16513	24
SWPA	WEBBERS FALLS 161KV	30	-0.00614	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.1698	24
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00072	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16438	25
SWPA	CLARENCE CANNON DAM 69KV	8.799999	0.00407	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.15959	25
MIPU	GREENWOOD 161KV	255.8	-0.18486	KACP	PAOLA COMBUSTION TURBINES 161KV	771	-0.0208	-0.16406	25
MIPU	GREENWOOD 161KV	255.8	-0.18486	SWPA	TRUMAN 161KV	102	-0.02176	-0.1631	25
WERE	HOLTON 115KV	19.8	0.00428	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.15938	25
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00062	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16428	25
WERE	HUTCHINSON ENERGY CENTER 69KV	12	-0.00062	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16428	25
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0003	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16396	25
WERE	JEFFREY ENERGY CENTER 345KV	42	0.0005	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16316	25
SWPA	KENNETT 69KV	21.8	-0.001	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16466	25
SWPA	MALDEN 69KV	10	-0.0008	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.16446	25
KACP	MONTROSE 161KV	27.68829	-0.02851	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.15997	25
MIPU	SOUTH HARPER 161KV	62.59215	-0.04852	INDN	SUB H 69KV	29.07014	0.11176	-0.16028	25
MIPU	ARIES 161KV	595	-0.14166	KACP	IATAN 345KV	396	0.01567	-0.15733	26
MIPU	GREENWOOD 161KV	255.8	-0.18486	KACP	MONTROSE 161KV	353.3117	-0.02851	-0.15635	26
MIPU	LAKE ROAD 161KV	91	0.03559	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15572	26
MIPU	NEVADA 69KV	20.3	-0.04504	INDN	SUB H 69KV	29.07014	0.11176	-0.1568	26
KACP	NORTHEAST 13KV	70.17432	0.03744	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15387	26
KACP	NORTHEAST 161KV	96	0.03744	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15387	26
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	HAWTHORN 161KV	769	0.04069	-0.15407	26
SWPA	SOUTH SENECA 115KV	16.7	0.00648	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.15718	26
SWPA	TRUMAN 161KV	78.00002	-0.02176	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.15322	26
KACP	MARSHALL 161KV	54.1	-0.03658	INDN	SUB H 69KV	29.07014	0.11176	-0.14834	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	MIPU	LAKE ROAD 161KV	95	0.03559	-0.14897	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	MIPU	LAKE ROAD 34KV	32	0.03559	-0.14897	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	NORTHEAST 13KV	98.82568	0.03744	-0.15082	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	NORTHEAST 161KV	73	0.03744	-0.15082	27
MIPU	ARIES 161KV	595	-0.14166	SWPA	CLARENCE CANNON DAM 69KV	39.2	0.00407	-0.14573	28
MIPU	ARIES 161KV	595	-0.14166	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0005	-0.14216	28
WERE	CHANUTE 69KV	31.077	-0.01063	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14209	28
WERE	CITY OF BURLINGTON 69KV	21.247	-0.01149	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14295	28
WERE	CITY OF IOLA 69KV	13.361	-0.01137	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14283	28
MIPU	NEVADA 69KV	20.3	-0.04504	INDN	MOCT 69KV	30.8	0.0981	-0.14314	28
MIPU	SOUTH HARPER 161KV	62.59215	-0.04852	INDN	MOCT 69KV	30.8	0.0981	-0.14662	28
MIPU	ARIES 161KV	595	-0.14166	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00155	-0.14011	29
MIPU	ARIES 161KV	595	-0.14166	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	-0.00072	-0.14094	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	BROKEN BOW 138KV	93.4	-0.00466	-0.137	29
MIPU	ARIES 161KV	595	-0.14166	KACP	BULL CREEK 161KV	308	-0.0041	-0.13756	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	GREYS FERRY 161KV	93.4	-0.00286	-0.1388	29
MIPU	ARIES 161KV	595	-0.14166	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00062	-0.14104	29
MIPU	ARIES 161KV	595	-0.14166	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00062	-0.14104	29
MIPU	ARIES 161KV	595	-0.14166	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0003	-0.14136	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	JONESBORO 161KV	83	-0.00161	-0.14005	29
MIPU	ARIES 161KV	595	-0.14166	WERE	LAWRENCE ENERGY CENTER 230KV	225.7295	-0.00267	-0.13899	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	OZARK 161KV	130.6	-0.00463	-0.13703	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	SIKESTON 161KV	235	-0.00039	-0.14127	29
MIPU	ARIES 161KV	595	-0.14166	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00161	-0.14005	29
SWPA	BEAVER 161KV	27.49995	-0.00836	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13982	29
SWPA	BULL SHOALS 161KV	110.9	-0.00555	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13701	29
WERE	CITY OF AUGUSTA 69KV	10.141	-0.00874	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.1402	29
WERE	CITY OF WINFIELD 69KV	12.038	-0.0083	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13976	29
SWPA	DENISON 138KV	10.59999	-0.00573	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13719	29
WERE	EMPORIA 345KV	828	-0.00746	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13892	29
SWPA	EUFULA 161KV	12.4	-0.00592	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13738	29
WERE	GETTY 69KV	35	-0.00859	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14005	29
WERE	GILL ENERGY CENTER 138KV	49	-0.00857	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14003	29
SWPA	KEYSTONE DAM 161KV	50	-0.00735	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13881	29
KACP	MONTROSE 161KV	27.68829	-0.02851	INDN	SUB H 69KV	29.07014	0.11176	-0.14027	29
MIPU	TWA 161KV	32.1	0.05031	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.141	29
SWPA	WEBBERS								

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

KACP	'BULL CREEK 161KV'	65	-0.0041	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13556	30
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13332	30
KACP	'GARDNER 161KV'	11	-0.00493	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13639	30
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'SOUTH HARPER 161KV'	252.40778	-0.14852	-0.13634	30
SWPA	'GREERS FERRY 161KV'	16.6	-0.00286	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13433	30
SWPA	'INDEPENDENCE 161KV'	13	-0.00255	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13401	30
SWPA	'KENNETT 69KV'	21.8	-0.001	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13246	30
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13413	30
KACP	'MARSHALL 161KV'	54.1	-0.03658	INDN	'MOCT 69KV'	30.8	0.9981	-0.13468	30
SWPA	'OZARK 161KV'	64.90001	-0.00463	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13609	30
SWPA	'PARAGOULD 69KV'	12	-0.00135	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13281	30
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.1367	30
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13293	30
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	INDN	'SUB H 69KV'	29.07014	0.11176	-0.13352	30
MIPU	'ARIES 161KV'	595	-0.14166	SWPA	'CARTHAGE 69KV'	30	-0.01201	-0.12965	31
MIPU	'ARIES 161KV'	595	-0.14166	WERE	'CHANUTE 69KV'	56.723	-0.01063	-0.13103	31
MIPU	'ARIES 161KV'	595	-0.14166	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.01149	-0.13017	31
MIPU	'ARIES 161KV'	595	-0.14166	WERE	'CITY OF ERIE 69KV'	23.27	-0.01063	-0.13103	31
MIPU	'ARIES 161KV'	595	-0.14166	WERE	'CITY OF IOLA 69KV'	24.267	-0.01137	-0.13029	31
MIPU	'ARIES 161KV'	595	-0.14166	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.01149	-0.13017	31
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13218	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13208	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00062	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13208	31
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13176	31
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.13096	31
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'IATAN 345KV'	396	0.01567	-0.12905	31
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'LACYGNE UNIT 345KV'	958	-0.01404	-0.12762	32
WERE	'HOLTON 115KV'	19.8	0.00428	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.12718	32
MIPU	'LAKE ROAD 161KV'	91	0.03559	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.12807	32
KACP	'MONTROSE 161KV'	27.68829	-0.02851	INDN	'MOCT 69KV'	30.8	0.9981	-0.12661	32
KACP	'NORTHEAST 13KV'	70.17432	0.03744	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.12622	32
KACP	'NORTHEAST 161KV'	96	0.03744	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.12622	32
WERE	'SOUTH SENECA 115KV'	16.7	0.00648	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.12498	32
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'PAOLA COMBUSTION TURBINES 161KV'	377	-0.0208	-0.12086	33
WERE	'CHANUTE 69KV'	31.077	-0.01063	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12336	33
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12323	33
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12313	33
MIPU	'ARIES 161KV'	595	-0.14166	SWPA	'TRUMAN 161KV'	102	-0.02176	-0.1199	34
SWPA	'BEAVER 161KV'	27.49995	-0.00836	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12012	34
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11731	34
WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0083	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12006	34
WERE	'EMPORIA 345KV'	828	-0.00746	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11922	34
SWPA	'EUFULA 161KV'	12.4	-0.00592	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11768	34
WERE	'GETTY 69KV'	35	-0.00859	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12035	34
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	INDN	'SUB H 69KV'	29.07014	0.11176	-0.12033	34
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11911	34
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00407	-0.11745	34
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	INDN	'MOCT 69KV'	30.8	0.9981	-0.11986	34
SWPA	'WEBBERS FALLS 161KV'	30	-0.00614	INDN	'SUB H 69KV'	29.07014	0.11176	-0.1179	34
SWPA	'BROKEN BOW 138KV'	16.6	-0.00466	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11642	35
KACP	'BULL CREEK 161KV'	65	-0.0041	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11586	35
SWPA	'GREERS FERRY 161KV'	16.6	-0.00286	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11462	35
SWPA	'INDEPENDENCE 161KV'	13	-0.00255	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11431	35
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11443	35
SWPA	'OZARK 161KV'	64.90001	-0.00463	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11539	35
SWPA	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	-0.1388	35
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	INDN	'SUB H 69KV'	29.07014	0.11176	-0.117	35
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'MONTROSE 161KV'	353.3117	-0.02851	-0.11315	36
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11248	36
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11362	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11238	36
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00062	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11238	36
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11206	36
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11126	36
SWPA	'KENNETT 69KV'	21.8	-0.001	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11276	36
SWPA	'PARAGOULD 69KV'	12	-0.00135	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11311	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.11183	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.11266	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.11276	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.11276	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.11308	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.11177	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.11071	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'SIKSTON 161KV'	235	-0.00039	-0.11299	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.11177	36
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11323	36
MIPU	'TWA 161KV'	32.1	0.05031	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.11335	36
WERE	'CHANUTE 69KV'	31.077	-0.01063	INDN	'MOCT 69KV'	30.8	0.9981	-0.10873	37
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	INDN	'MOCT 69KV'	30.8	0.9981	-0.10959	37
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	INDN	'MOCT 69KV'	30.8	0.9981	-0.10947	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.10872	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.10928	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BULL SHOALS 161KV'	278.7	-0.00555	-0.10783	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'GREERS FERRY 161KV'	93.4	-0.00286	-0.11052	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.10875	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.10814	37
SWPA	'BEAVER 161KV'	27.49995	-0.00836	INDN	'MOCT 69KV'	30.8	0.9981	-0.10846	38
WERE	'EMPORIA 345KV'	828	-0.00746	INDN	'MOCT 69KV'	30.8	0.9981	-0.10556	38
WERE	'GETTY 69KV'	35	-0.00859	INDN	'MOCT 69KV'	30.8	0.9981	-0.10669	38
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	INDN	'MOCT 69KV'	30.8	0.9981	-0.10667	38
WERE	'HOLTON 115KV'	19.8	0.00428	INDN	'SUB H 69KV'	29.07014	0.11176	-0.10748	38
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	INDN	'MOCT 69KV'	30.8	0.9981	-0.10545	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BEAVER 161KV'	138.1001	-0.00836	-0.10502	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0083	-0.10508	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'DENISON 138KV'	59.40001	-0.00573	-0.10765	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'EUFULA 138KV'	51	-0.00592	-0.10746	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'EUFULA 161KV'	69.6	-0.00592	-0.10746	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00735	-0.10603	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'WEBBERS FALLS 161KV'	39	-0.00614	-0.10724	38
WERE	'SOUTH SENECA 115KV'	16.7	0.00648	INDN	'SUB H 69KV'	29.07014	0.11176	-0.10528	38
SWPA	'BROKEN BOW 138KV'	16.6	-0.00466	INDN	'MOCT 69KV'	30.8	0.9981	-0.10276	39
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	INDN	'MOCT 69KV'	30.8	0.9981	-0.10365	39
SWPA	'OZARK 161KV'	64.90001	-0.00463	INDN	'MOCT 69KV'	30.8	0.9981		

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

MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.01149	-0.10189	40
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	INDN	'MOCT 69KV'	30.8	0.0981	-0.09882	41
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	INDN	'MOCT 69KV'	30.8	0.0981	-0.09872	41
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	INDN	'MOCT 69KV'	30.8	0.0981	-0.0984	41
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.0008	INDN	'MOCT 69KV'	30.8	0.0981	-0.09876	41
SWPA	'KENNETT 69KV'	21.8	-0.001	INDN	'MOCT 69KV'	30.8	0.0981	-0.0981	41
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'LACYGNE UNIT 345KV'	958	-0.01404	-0.09934	41
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	INDN	'MOCT 69KV'	30.8	0.0981	-0.09957	41
MIPU	'LAKE ROAD 161KV'	91	0.03559	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09587	42
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04852	-0.09314	43
WERE	'HOLTON 115KV'	19.8	0.00428	INDN	'MOCT 69KV'	30.8	0.0981	-0.09382	43
KACP	'NORTHEAST 13KV'	70.17432	0.03744	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09402	43
KACP	'NORTHEAST 161KV'	96	0.03744	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09402	43
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.0208	-0.09258	44
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'TRUMAN 161KV'	102	-0.02176	-0.09162	44
WERE	'SOUTH SENECA 115KV'	16.7	0.00848	INDN	'MOCT 69KV'	30.8	0.0981	-0.09162	44
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'HAWTHORN 161KV'	769	0.04069	-0.08921	45
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'HAWTHORN 161KV'	769	0.04069	-0.08573	47
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.08596	47
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'NORTHEAST 161KV'	73	0.03744	-0.08596	47
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'MONTROSE 161KV'	353.3117	-0.02851	-0.08487	48
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'LAKE ROAD 161KV'	30.8	0.03559	-0.08411	48
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.08411	48
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.08248	49
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'NORTHEAST 161KV'	73	0.03744	-0.08248	49
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'LAKE ROAD 161KV'	30.8	0.03559	-0.08063	50
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.08063	50
MIPU	'TWA 161KV'	32.1	0.05031	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.08115	50
INDN	'SUB I 69KV'	38	0.11208	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.07923	51
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'HAWTHORN 161KV'	769	0.04069	-0.07727	52
MIPU	'LAKE ROAD 161KV'	91	0.03559	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07617	53
KACP	'NORTHEAST 13KV'	70.17432	0.03744	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07432	54
KACP	'NORTHEAST 161KV'	96	0.03744	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07432	54
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.07402	55
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'NORTHEAST 161KV'	73	0.03744	-0.07402	55
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'LAKE ROAD 161KV'	30.8	0.03559	-0.07217	56
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.07217	56
INDN	'SUBSTATION J 69KV'	30	0.11885	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.07246	56
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'HAWTHORN 161KV'	769	0.04069	-0.0692	58
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.06595	61
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'NORTHEAST 161KV'	73	0.03744	-0.06595	61
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04852	-0.06486	62
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'LAKE ROAD 161KV'	30.8	0.03559	-0.0641	63
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.0641	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'TATAM 345KV'	336	0.01567	-0.06419	63
MIPU	'LAKE ROAD 161KV'	91	0.03559	INDN	'MOCT 69KV'	30.8	0.0981	-0.06251	65
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	KACP	'HAWTHORN 161KV'	769	0.04069	-0.06245	65
MIPU	'TWA 161KV'	32.1	0.05031	INDN	'SUB H 69KV'	29.07014	0.11176	-0.06145	66
KACP	'NORTHEAST 13KV'	70.17432	0.03744	INDN	'MOCT 69KV'	30.8	0.0981	-0.06066	67
KACP	'NORTHEAST 161KV'	96	0.03744	INDN	'MOCT 69KV'	30.8	0.0981	-0.06066	67
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.0592	68
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	KACP	'NORTHEAST 161KV'	73	0.03744	-0.0592	68
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'LAKE ROAD 161KV'	30.8	0.03559	-0.05735	70
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.05735	70
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'TATAM 345KV'	336	0.01567	-0.05225	77
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00407	-0.05259	77
INDN	'SUB I 69KV'	38	0.11208	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.05158	78
WERE	'CHANUTE 69KV'	31.077	-0.01063	KACP	'HAWTHORN 161KV'	769	0.04069	-0.05132	79
SWPA	'BEAVER 161KV'	27.49995	-0.00836	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04905	82
WERE	'GETTY 69KV'	35	-0.00859	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04928	82
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04926	82
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0005	-0.04902	82
WERE	'CHANUTE 69KV'	31.077	-0.01063	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04807	84
WERE	'CHANUTE 69KV'	31.077	-0.01063	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04807	84
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04515	84
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04804	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.0479	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.0479	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.04822	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'SKESTON 161KV'	235	-0.00039	-0.04813	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.0478	85
MIPU	'TWA 161KV'	32.1	0.05031	INDN	'MOCT 69KV'	30.8	0.0981	-0.04779	85
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.04697	86
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.04691	86
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.04691	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.0014	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04683	86
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04624	87
WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04622	87
WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04622	87
WERE	'GETTY 69KV'	35	-0.00859	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04603	88
WERE	'GETTY 69KV'	35	-0.00859	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04603	88
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04601	88
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04601	88
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04593	88
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'GREYS FERRY 161KV'	83.4	-0.00288	-0.04586	88
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.04585	88
SWPA	'OZARK 161KV'	64.90001	-0.00463	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04532	89
KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04479	90
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04449	90
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04449	90
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04479	90
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04479	90
INDN	'SUBSTATION J 69KV'	30	0.11885	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.04481	90
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04418	91
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04418	91
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04416	91
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04416	91
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.04442	91
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'BROKEN BOW 138KV'	93.4	-0.00463	-0.04386	92
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.04389	92
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04336	93
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.04328	93
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04299	94
SWPA	'BULL SHOALS 161KV'	110.9							

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

KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04154	97
KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04154	97
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04114	98
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04114	98
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04131	98
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00735	-0.04117	98
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00407	-0.04065	99
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04083	99
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04083	99
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04022	100
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04022	100
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04019	101
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04011	101
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04011	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'BEAVER 161KV'	138.1001	-0.00857	-0.04016	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00857	-0.03995	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00864	-0.03988	101
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.03969	102
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03969	102
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00874	-0.03978	102
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.0393	103
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	KACP	'NORTHEAST 161KV'	73	0.03744	-0.0393	103
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03891	104
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03891	104
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03806	106
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03806	106
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03828	106
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'CHANUTE 69KV'	56.723	-0.01063	-0.03789	107
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03745	108
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	KACP	'IATAN 345KV'	396	0.01567	-0.03743	108
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03694	109
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03694	109
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0005	-0.03708	109
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03706	109
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.03628	111
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03621	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.03596	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.03596	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'SIKESTON 161KV'	235	-0.00039	-0.03619	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.03586	113
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03509	115
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00055	-0.03503	115
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.03497	116
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.03497	116
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'LACYGNE UNIT 345KV'	958	-0.01404	-0.03448	117
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.03391	119
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'GREERS FERRY 161KV'	93.4	-0.00286	-0.03372	120
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.03248	124
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.03195	126
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.03192	127
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.03134	129
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'BULL SHOALS 161KV'	278.7	-0.00555	-0.03103	130
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'DENISON 138KV'	59.40001	-0.00573	-0.03085	131
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'EUFAULA 138KV'	51	-0.00592	-0.03066	132
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'EUFAULA 161KV'	69.6	-0.00592	-0.03066	132

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: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Direction: To->From
 Line Outage: ORRICK - RICHMOND 161KV CKT 1
 Flowgate: 592055923515924459236141075P
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 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)
1162650	2.0	4.0	MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.37617	11
1162651	2.0	4.0	MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.23297	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.34852	12
			MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.30532	13
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.31632	13
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.30469	13
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'MOCT 69KV'	30.8	0.0981	-0.28296	14
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	INDN	'SUB H 69KV'	29.07014	0.11176	-0.29662	14
			MIPU	'ARIES 161KV'	595	-0.14166	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.27312	15
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.27704	15
			MIPU	'ARIES 161KV'	595	-0.14166	INDN	'SUB H 69KV'	29.07014	0.11176	-0.25342	16
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.24484	16
			MIPU	'ARIES 161KV'	595	-0.14166	INDN	'MOCT 69KV'	30.8	0.0981	-0.23876	17
			MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.23835	17
			MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.23983	17
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'HAWTHORN 161KV'	769	0.04069	-0.22555	18
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.22045	18
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.22045	18
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.2223	18
			MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'NORTHEAST 161KV'	73	0.03744	-0.2223	18
			KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.22789	18
			KACP	'MONTRORSE 161KV'	27.68829	-0.02851	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.21982	18
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'SUB H 69KV'	29.07014	0.11176	-0.22514	18
			MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.2087	19
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	INDN	'MOCT 69KV'	30.8	0.0981	-0.21148	19
			MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.21218	19
			SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.21307	19
			SWPA	'BEAVER 161KV'	27.49995	-0.00836	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19967	20
			WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20194	20
			WERE	'CITY OF AUGUSTA 69KV'	10.141	-0.00874	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20005	20
			WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.2028	20
			WERE	'CITY OF FREDONIA 69KV'	9.173	-0.00971	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20102	20
			WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20268	20
			WERE	'CITY OF MULVANE 69KV'	7.502	-0.00885	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.20016	20
			WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0083	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19961	20
			WERE	'EMPORIA 345KV'	828	-0.00746	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19877	20
			SWPA	'EUFAULA 138KV'	9.00004	-0.00592	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19723	20
			SWPA	'EUFAULA 161KV'	12.4	-0.00592	MIPU	'SIBLEY 161KV'	232.8084	0.19131		

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

WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19203	21
WERE	'BROKEN BOW 138KV'	16.6	-0.00466	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19597	21
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19541	21
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19686	21
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00451	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19582	21
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19317	21
SWPA	'DENISON 138KV'	10.59999	-0.00573	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19704	21
KACP	'GARDNER 161KV'	11	-0.00493	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19624	21
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00407	-0.18893	21
SWPA	'GREERS FERRY 161KV'	16.6	-0.00286	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19417	21
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19193	21
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00062	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19193	21
SWPA	'INDEPENDENCE 161KV'	13	-0.00255	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19386	21
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19161	21
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19081	21
SWPA	'KENNETT 69KV'	21.8	-0.001	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19231	21
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19398	21
SWPA	'MALDEN 69KV'	10	-0.0008	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19211	21
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.19217	21
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19594	21
SWPA	'PARAGOULD 69KV'	12	-0.00135	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19266	21
SWPA	'PIGGOTT 69KV'	7.5	-0.00093	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19224	21
SWPA	'POPLAR BLUFF 69KV'	7	-0.00098	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19229	21
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19655	21
WERE	'ST JOHN 115KV'	7.5	-0.00011	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19142	21
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.19278	21
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'HAWTHORN 161KV'	769	0.04069	-0.18235	22
SWPA	'CLARENCE CANNON DAM 69KV'	8.799999	0.00407	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18724	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.18331	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.18414	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.1802	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.18076	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'GREERS FERRY 161KV'	93.4	-0.00286	-0.182	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.18424	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.18434	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'HUTCHINSON ENERGY CENTER 230KV'	470	-0.0003	-0.18456	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.0005	-0.18536	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.18325	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.18219	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.18023	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.17962	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'SIKESTON 161KV'	235	-0.00039	-0.18447	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.18325	22
WERE	'HOLTON 115KV'	19.8	0.00428	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18703	22
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.17968	22
WERE	'SOUTH SENECA 115KV'	16.7	0.00848	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.18483	22
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.18542	22
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.17725	23
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.17725	23
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.1791	23
MIPU	'ARIES 161KV'	595	-0.14166	KACP	'NORTHEAST 161KV'	73	0.03744	-0.1791	23
SWPA	'BEAVER 161KV'	27.49955	-0.00836	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17202	23
WERE	'CHANUTE 69KV'	31.077	-0.01063	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17429	23
WERE	'CITY OF AUGUSTA 69KV'	10.141	-0.00874	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.1724	23
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17515	23
WERE	'CITY OF FREDONIA 69KV'	9.173	-0.00971	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17537	23
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17503	23
WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0083	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17196	23
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00874	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.1724	23
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17225	23
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17223	23
WERE	'GILL ENERGY CENTER 69KV'	8	-0.00864	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.1723	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'BEAVER 161KV'	138.1001	-0.00836	-0.1765	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'BULL SHOALS 161KV'	278.7	-0.00555	-0.17931	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'CAMBRIDGE 69KV'	30	-0.01201	-0.17285	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CHANUTE 69KV'	56.7223	-0.01063	-0.17423	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00874	-0.17612	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.01149	-0.17337	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF ERIE 69KV'	23.27	-0.01063	-0.17423	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF IOLA 69KV'	24.267	-0.01137	-0.17349	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF MULVANE 69KV'	8.288	-0.00885	-0.17601	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0083	-0.17656	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.01149	-0.17337	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'DENISON 138KV'	59.40001	-0.00573	-0.17913	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'EUFAULA 138KV'	51	-0.00592	-0.17894	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'EUFAULA 161KV'	69.6	-0.00592	-0.17884	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00874	-0.17612	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00857	-0.17629	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00864	-0.17622	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00735	-0.17751	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	WERE	'WACO 138KV'	17.96	-0.00859	-0.17627	23
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	SWPA	'WEBBERS FALLS 161KV'	39	-0.00614	-0.17872	23
MIPU	'NEVADA 69KV'	20.3	-0.04504	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.1765	23
SWPA	'BROKEN BOW 138KV'	16.6	-0.00466	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16832	24
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16776	24
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16821	24
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00451	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16817	24
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16552	24
SWPA	'DENISON 138KV'	10.59999	-0.00573	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16939	24
WERE	'EMPORIA 345KV'	828	-0.00746	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17112	24
SWPA	'EUFAULA 138KV'	9.00004	-0.00592	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16958	24
SWPA	'EUFAULA 161KV'	12.4	-0.00592	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16958	24
KACP	'GARDNER 161KV'	11	-0.00493	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16859	24
MIPU	'GREENWOOD 161KV'	255.8	-0.18486	KACP	'LACYGNE UNIT 345KV'	958	-0.01404	-0.17082	24
SWPA	'GREERS FERRY 161KV'	16.6	-0.00286	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16552	24
SWPA	'INDEPENDENCE 161KV'	13	-0.00255	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16621	24
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.17101	24
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16633	24
KACP	'MARSHALL 161KV'	54.1	-0.03658	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.16804	24
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16829	24
SWPA	'PARAGOULD 69KV'	12	-0.00135	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.16501	24
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'SIBLEY 69KV'	45.999			

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

MIPU	LAKE ROAD 161KV	91	0.03559	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15572	26
MIPU	NEVADA 69KV	20.3	-0.04504	INDN	SUB H 69KV	29.07014	0.11176	-0.1568	26
KACP	NORTHEAST 13KV	70.17432	0.03744	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15387	26
KACP	NORTHEAST 161KV	96	0.03744	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.15387	26
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	HAWTHORN 161KV	759	0.04689	-0.15407	26
WERE	SOUTH SENECA 115KV	16.7	0.00648	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.15718	26
SWPA	TRUMAN 161KV	78.00002	-0.02176	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.15322	26
KACP	MARSHALL 161KV	54.1	-0.03658	INDN	SUB H 69KV	29.07014	0.11176	-0.14834	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	MIPU	LAKE ROAD 161KV	35	0.03559	-0.14897	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	MIPU	LAKE ROAD 34KV	92	0.03559	-0.14897	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	NORTHEAST 13KV	98.82568	0.03744	-0.15082	27
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	NORTHEAST 161KV	73	0.03744	-0.15082	27
MIPU	ARIES 161KV	595	-0.14166	SWPA	CLARENCE CANNON DAM 69KV	39.2	0.00407	-0.14573	28
MIPU	ARIES 161KV	595	-0.14166	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0005	-0.14216	28
WERE	CHAMUTE 69KV	31.077	-0.01063	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14209	28
WERE	CITY OF BURLINGTON 69KV	21.247	-0.01149	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14295	28
WERE	CITY OF IOLA 69KV	13.361	-0.01137	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14283	28
MIPU	NEVADA 69KV	20.3	-0.04504	INDN	MOCT 69KV	30.8	0.0981	-0.14314	28
MIPU	SOUTH HARPER 161KV	62.59215	-0.04852	INDN	MOCT 69KV	30.8	0.0981	-0.14662	28
MIPU	ARIES 161KV	595	-0.14166	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00155	-0.14011	29
MIPU	ARIES 161KV	595	-0.14166	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	-0.00072	-0.14094	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	BROKEN BOW 138KV	93.4	-0.00466	-0.137	29
MIPU	ARIES 161KV	595	-0.14166	KACP	BULL CREEK 161KV	308	-0.0041	-0.13756	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	GREERS FERRY 161KV	93.4	-0.00286	-0.1388	29
MIPU	ARIES 161KV	595	-0.14166	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00062	-0.14104	29
MIPU	ARIES 161KV	595	-0.14166	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00062	-0.14104	29
MIPU	ARIES 161KV	595	-0.14166	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0003	-0.14136	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	JONESBORO 161KV	63	-0.00161	-0.14005	29
MIPU	ARIES 161KV	595	-0.14166	WERE	LAWRENCE ENERGY CENTER 230KV	225.7295	-0.00267	-0.13899	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	OZARK 161KV	130.6	-0.00463	-0.13703	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	SIKESTON 161KV	235	-0.00039	-0.14127	29
MIPU	ARIES 161KV	595	-0.14166	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00161	-0.14005	29
SWPA	BEAVER 161KV	27.49995	-0.00836	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13982	29
SWPA	BULL SHOALS 161KV	110.9	-0.00555	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13701	29
WERE	CITY OF AUGUSTA 69KV	10.141	-0.00874	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.1402	29
WERE	CITY OF WINFIELD 69KV	12.038	-0.0083	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13978	29
SWPA	DENISON 138KV	10.59999	-0.00573	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13719	29
WERE	EMPORIA 345KV	828	-0.00746	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13892	29
SWPA	EUFULA 161KV	12.4	-0.00592	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13738	29
WERE	GETTY 69KV	35	-0.00859	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14005	29
WERE	GILL ENERGY CENTER 138KV	49	-0.00857	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14003	29
SWPA	KEYSTONE DAM 161KV	50	-0.00735	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13881	29
KACP	MONTROSE 161KV	27.68829	-0.02851	INDN	SUB H 69KV	29.07014	0.11176	-0.14027	29
MIPU	TWA 161KV	32.1	0.05031	MIPU	SIBLEY 161KV	232.8084	0.19131	-0.141	29
SWPA	WEBBERS FALLS 161KV	30	-0.00614	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.1376	29
MIPU	ARIES 161KV	595	-0.14166	SWPA	BEAVER 161KV	138.1001	-0.00836	-0.13811	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	BULL SHOALS 161KV	278.7	-0.00555	-0.13811	30
MIPU	ARIES 161KV	595	-0.14166	WERE	CITY OF AUGUSTA 69KV	24	-0.00874	-0.13292	30
MIPU	ARIES 161KV	595	-0.14166	WERE	CITY OF WINFIELD 69KV	27.962	-0.0083	-0.13336	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	DENISON 138KV	59.40001	-0.00573	-0.13593	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	EUFULA 138KV	51	-0.00592	-0.13574	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	EUFULA 161KV	69.6	-0.00592	-0.13574	30
MIPU	ARIES 161KV	595	-0.14166	WERE	EVANS ENERGY CENTER 138KV	565	-0.00874	-0.13292	30
MIPU	ARIES 161KV	595	-0.14166	WERE	GILL ENERGY CENTER 138KV	171	-0.00857	-0.13309	30
MIPU	ARIES 161KV	595	-0.14166	WERE	GILL ENERGY CENTER 69KV	75	-0.00854	-0.13302	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	KEYSTONE DAM 161KV	150.2	-0.00735	-0.13431	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	ROBERT S. KERR 161KV	314.2	-0.00524	-0.13642	30
MIPU	ARIES 161KV	595	-0.14166	WERE	WACO 138KV	17.96	-0.00859	-0.13307	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	WEBBERS FALLS 161KV	39	-0.00614	-0.13652	30
SWPA	BROKEN BOW 138KV	16.8	-0.00466	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13612	30
KACP	BULL CREEK 161KV	65	-0.0041	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13556	30
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00186	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13332	30
KACP	GARDNER 161KV	11	-0.00493	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13639	30
MIPU	GREENWOOD 161KV	255.8	-0.18486	MIPU	SOUTH HARPER 161KV	252.4078	-0.04852	-0.13634	30
SWPA	GREERS FERRY 161KV	16.8	-0.00286	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.14032	30
SWPA	INDEPENDENCE 161KV	13	-0.00255	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13401	30
SWPA	KENNETT 69KV	21.8	-0.001	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13246	30
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00267	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13413	30
KACP	MARSHALL 161KV	54.1	-0.03658	INDN	MOCT 69KV	30.8	0.0981	-0.13468	30
SWPA	OZARK 161KV	64.90001	-0.00463	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13609	30
SWPA	PARAGOULD 69KV	12	-0.00135	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13281	30
SWPA	ROBERT S. KERR 161KV	74.5	-0.00524	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.1367	30
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00147	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13293	30
SWPA	TRUMAN 161KV	78.00002	-0.02176	INDN	SUB H 69KV	29.07014	0.11176	-0.13352	30
MIPU	ARIES 161KV	595	-0.14166	SWPA	CAMUTE 69KV	30	-0.01201	-0.12965	31
MIPU	ARIES 161KV	595	-0.14166	WERE	CHAMUTE 69KV	56.723	-0.01063	-0.13103	31
MIPU	ARIES 161KV	595	-0.14166	WERE	CITY OF BURLINGTON 69KV	34.753	-0.01149	-0.13017	31
MIPU	ARIES 161KV	595	-0.14166	WERE	CITY OF ERIE 69KV	23.27	-0.01063	-0.13103	31
MIPU	ARIES 161KV	595	-0.14166	WERE	CITY OF IOLA 69KV	24.267	-0.01137	-0.13029	31
MIPU	ARIES 161KV	595	-0.14166	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	-0.01149	-0.13017	31
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00072	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13218	31
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00062	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13208	31
WERE	HUTCHINSON ENERGY CENTER 69KV	12	-0.00062	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13208	31
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.0003	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13176	31
WERE	JEFFREY ENERGY CENTER 345KV	42	0.0005	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.13096	31
MIPU	RALPH GREEN 69KV	73.7	-0.11338	KACP	IATAM 345KV	396	0.01567	-0.12905	31
MIPU	ARIES 161KV	595	-0.14166	KACP	LACYGNE UNIT 345KV	958	-0.01404	-0.12762	32
WERE	HOLTON 115KV	19.8	0.00428	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.12718	32
MIPU	LAKE ROAD 161KV	91	0.03559	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.12807	32
KACP	MONTROSE 161KV	27.68829	-0.02851	INDN	MOCT 69KV	30.8	0.0981	-0.12661	32
KACP	NORTHEAST 13KV	70.17432	0.03744	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.12622	32
KACP	NORTHEAST 161KV	96	0.03744	MIPU	SIBLEY 69KV	45.99999	0.16366	-0.12622	32
WERE	SOUTH SENECA 115KV	16.7	0.00648	INDN	BLUE VALLEY 69KV	85.08216	0.13146	-0.12498	32
MIPU	ARIES 161KV	595	-0.14166	KACP	PAOLA COMBUSTION TURBINES 161KV	88.077	-0.0208	-0.12086	33
WERE	CHAMUTE 69KV	31.077	-0.01063	INDN	SUB H 69KV	29.07014	0.11176	-0.12339	33
WERE	CITY OF BURLINGTON 69KV	21.247	-0.01149	INDN	SUB H 69KV	29.07014	0.11176	-0.12325	33
WERE	CITY OF IOLA 69KV	13.361	-0.01137	INDN	SUB H 69KV	29.07014	0.11176	-0.12313	33
MIPU	ARIES 161KV	595	-0.14166	SWPA	TRUMAN 161KV	102	-0.02176	-0.1199	34
SWPA	BEAVER 161KV	27.49995	-0.00836	INDN	SUB H 69KV	29.07014	0.11176	-0.12012	34
SWPA	BULL SHOALS 161KV	110.9	-0.00555	INDN	SUB H 69KV	29.07014	0.11176	-0.11731	34
WERE	CITY OF WINFIELD 69KV	12.038	-0.0083	INDN	SUB H 69KV	29.07014	0.11176	-0.12006	34
WERE	EMPORIA 345KV	828	-0.00746	INDN	SUB H 69KV	29.07014	0.11176	-0.11922	34
SWPA	EUFULA 161KV	12.4	-0.00592	INDN	SUB H 69KV	29.07014	0.11176	-0.11768	34
WERE	GETTY 69KV	35	-0.00859	INDN	SUB H 69KV	29.07014	0.11176	-0.12035	34
WERE	GILL ENERGY CENTER 138KV	49	-0.00857	INDN	SUB H 69KV	29.07014	0.11176	-0.12033	34
SWPA	KEYSTONE DAM 161KV	50	-0.00735	INDN	SUB H 69KV	29.07014	0.11176	-0.11911	34
MIPU	RALPH GREEN 69KV	73.7	-0.11338	SWPA	CLARENCE CANNON DAM 69KV	39.2	0.00407	-0.11745	34
SWPA	TRUMAN 161KV	78.00002	-0.02176	INDN	MOCT 69KV	30.8	0.0981	-0.11986	34
SWPA	WEBBERS FALLS 161KV	30	-0.00614	INDN	SUB H 69KV	29.07014	0.11176	-0.1179	34
SWPA	BROKEN BOW 138KV	16.8	-0.00466	INDN	SUB H 69KV	29.07014	0.11176	-0.11642	35
KACP	BULL CREEK 161KV	65	-0.0041	INDN	SUB H 69KV	29.07014	0.11176	-0.11586	35
SWPA	GREERS FERRY 161KV	16.6	-0.00286	INDN	SUB H 69KV	29.07014	0.11176	-0.11462	35
SWPA	INDEPENDENCE 161KV	13	-0.00255	INDN	SUB H 69KV	29.07014	0.11176	-0.11431	35
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00267	INDN	SUB H 69KV	29.07014	0.11176	-0.11443	35
SWPA	OZARK 161KV	64.90001	-0.00463	INDN	SUB H 69KV	29.07014	0.11176	-0.	

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

WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11362	36
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11238	36
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00062	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11238	36
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11206	36
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00036	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11126	36
SWPA	'KENNETT 69KV'	21.8	-0.001	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11278	36
SWPA	'PARAGOULD 69KV'	12	-0.00135	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11311	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.11183	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.11266	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.11276	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.11276	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.11308	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.11177	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.11071	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'SKESTON 161KV'	235	-0.00039	-0.11299	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.11177	36
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	INDN	'SUB H 69KV'	29.07014	0.11176	-0.11323	36
MIPU	'TWA 161KV'	32.1	0.05031	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.11335	36
WERE	'CHANUTE 69KV'	31.077	-0.01063	INDN	'MOCT 69KV'	30.8	0.9891	-0.10873	37
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.01149	INDN	'MOCT 69KV'	30.8	0.9891	-0.10959	37
WERE	'CITY OF IOLA 69KV'	13.361	-0.01137	INDN	'MOCT 69KV'	30.8	0.9891	-0.10947	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.10872	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.10928	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BULL SHOALS 161KV'	278.7	-0.00555	-0.10783	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'GREERS FERRY 161KV'	33.4	-0.00288	-0.11052	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.10875	37
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.10814	37
SWPA	'BEAVER 161KV'	27.49995	-0.00836	INDN	'MOCT 69KV'	30.8	0.9891	-0.10646	38
WERE	'EMPORIA 345KV'	828	-0.00746	INDN	'MOCT 69KV'	30.8	0.9891	-0.10556	38
WERE	'GETTY 69KV'	35	-0.00859	INDN	'MOCT 69KV'	30.8	0.9891	-0.10669	38
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	INDN	'MOCT 69KV'	30.8	0.9891	-0.10667	38
WERE	'HOLTON 115KV'	19.8	0.00428	INDN	'SUB H 69KV'	29.07014	0.11176	-0.10748	38
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	INDN	'MOCT 69KV'	30.8	0.9891	-0.10545	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'BEAVER 161KV'	138.1001	-0.00836	-0.10502	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF WINFIELD 69KV'	27.982	-0.00363	-0.10508	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'DENISON 138KV'	59.40001	-0.00573	-0.10765	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'EUFULA 138KV'	51	-0.00592	-0.10746	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'EUFULA 161KV'	69.6	-0.00592	-0.10746	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00735	-0.10603	38
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'WEBBERS FALLS 161KV'	39	-0.00614	-0.10724	38
WERE	'SOUTH SENECA 115KV'	16.7	0.00648	INDN	'SUB H 69KV'	29.07014	0.11176	-0.10528	38
SWPA	'BROKEN BOW 138KV'	16.6	-0.00466	INDN	'MOCT 69KV'	30.8	0.9891	-0.10276	39
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	INDN	'MOCT 69KV'	30.8	0.9891	-0.10365	39
SWPA	'OZARK 161KV'	64.90001	-0.00463	INDN	'MOCT 69KV'	30.8	0.9891	-0.10273	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CHANUTE 69KV'	56.723	-0.01363	-0.10275	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00874	-0.10464	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF ERIE 69KV'	23.27	-0.01063	-0.10275	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00874	-0.10464	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00857	-0.10481	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00864	-0.10474	39
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'WACO 138KV'	17.96	-0.00859	-0.10479	39
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	INDN	'MOCT 69KV'	30.8	0.9891	-0.10334	39
SWPA	'WEBBERS FALLS 161KV'	30	-0.00614	INDN	'MOCT 69KV'	30.8	0.9891	-0.10424	39
KACP	'BULL CREEK 161KV'	65	-0.0041	INDN	'MOCT 69KV'	30.8	0.9891	-0.10222	40
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	INDN	'MOCT 69KV'	30.8	0.9891	-0.09996	40
SWPA	'GREERS FERRY 161KV'	16.8	-0.00288	INDN	'MOCT 69KV'	30.8	0.9891	-0.10096	40
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	INDN	'MOCT 69KV'	30.8	0.9891	-0.10077	40
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'CARTHAGE 69KV'	30	-0.01201	-0.10137	40
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.01149	-0.10189	40
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'CITY OF IOLA 69KV'	24.267	-0.01137	-0.10201	40
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.01149	-0.10189	40
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00072	INDN	'MOCT 69KV'	30.8	0.9891	-0.09882	41
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	INDN	'MOCT 69KV'	30.8	0.9891	-0.09872	41
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0003	INDN	'MOCT 69KV'	30.8	0.9891	-0.09864	41
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00036	INDN	'MOCT 69KV'	30.8	0.9891	-0.09876	41
SWPA	'KENNETT 69KV'	21.8	-0.001	INDN	'MOCT 69KV'	30.8	0.9891	-0.09911	41
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'LACYGNE UNIT 345KV'	958	-0.01404	-0.09934	41
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	INDN	'MOCT 69KV'	30.8	0.9891	-0.09957	41
MIPU	'LAKE ROAD 161KV'	91	0.03559	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09587	42
MIPU	'ARIES 161KV'	595	-0.14166	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04852	-0.09314	43
WERE	'HOLTON 115KV'	19.8	0.00428	INDN	'MOCT 69KV'	30.8	0.9891	-0.09382	43
KACP	'NORTHEAST 13KV'	70.17432	0.03744	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09402	43
KACP	'NORTHEAST 161KV'	96	0.03744	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.09402	43
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'PAOLA COMBUSTION TURBINES 161KV'	177	-0.0208	-0.09258	44
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	SWPA	'TRUMAN 161KV'	102	-0.02176	-0.09162	44
WERE	'SOUTH SENECA 115KV'	16.7	0.00648	INDN	'MOCT 69KV'	30.8	0.9891	-0.09162	44
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'HAWTHORN 161KV'	769	0.04069	-0.08921	45
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'HAWTHORN 161KV'	769	0.04069	-0.08573	47
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.08596	47
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'NORTHEAST 161KV'	73	0.03744	-0.08596	47
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	KACP	'MONTROSE 161KV'	353.3117	-0.02851	-0.08487	48
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'LAKE ROAD 161KV'	315	0.03559	-0.08411	48
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.08411	48
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.08248	49
MIPU	'NEVADA 69KV'	20.3	-0.04504	KACP	'NORTHEAST 161KV'	73	0.03744	-0.08248	49
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.08063	50
MIPU	'NEVADA 69KV'	20.3	-0.04504	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.08063	50
MIPU	'TWA 161KV'	32.1	0.05031	INDN	'BLUE VALLEY 69KV'	85.08216	0.13146	-0.08115	50
INDN	'SUB I 69KV'	38	0.11208	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.07923	51
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'HAWTHORN 161KV'	769	0.04069	-0.07727	52
MIPU	'LAKE ROAD 161KV'	91	0.03559	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07617	53
KACP	'NORTHEAST 13KV'	70.17432	0.03744	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07432	54
KACP	'NORTHEAST 161KV'	96	0.03744	INDN	'SUB H 69KV'	29.07014	0.11176	-0.07432	54
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.07402	55
KACP	'MARSHALL 161KV'	54.1	-0.03658	KACP	'NORTHEAST 161KV'	73	0.03744	-0.07402	55
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.07217	56
KACP	'MARSHALL 161KV'	54.1	-0.03658	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.07217	56
INDN	'SUBSTATION J 69KV'	30	0.11885	MIPU	'SIBLEY 161KV'	232.8084	0.19131	-0.07246	56
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'HAWTHORN 161KV'	769	0.04069	-0.06992	58
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.06595	61
KACP	'MONTROSE 161KV'	27.68829	-0.02851	KACP	'NORTHEAST 161KV'	73	0.03744	-0.06595	61
MIPU	'RALPH GREEN 69KV'	73.7	-0.11338	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04852	-0.06486	62
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.0641	63
KACP	'MONTROSE 161KV'	27.68829	-0.02851	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.064	

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

WERE	'GETTY 69KV'	35	-0.00859	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04928	82
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04926	82
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00005	-0.04902	84
WERE	'CHANUTE 69KV'	31.0777	-0.01063	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04807	82
WERE	'CHANUTE 69KV'	31.0777	-0.01063	KACP	'NORTHEAST 13KV'	73	0.03744	-0.04807	84
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04815	84
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04804	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.0479	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.0479	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.04822	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'SIKESTON 161KV'	235	-0.00039	-0.04813	84
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.0478	85
MIPU	'TWA 161KV'	32.1	0.05031	INDN	'MOCT 69KV'	30.8	0.0981	-0.04779	85
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.04697	86
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'JONESBORO 161KV'	63	-0.00161	-0.04691	86
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00161	-0.04691	86
SWPA	'WEBBERS FALLS 161KV'	30	-0.00614	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04883	86
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04624	87
WERE	'CHANUTE 69KV'	31.0777	-0.01063	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04622	87
WERE	'CHANUTE 69KV'	31.0777	-0.01063	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04622	87
WERE	'GETTY 69KV'	35	-0.00859	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04603	88
WERE	'GETTY 69KV'	35	-0.00859	KACP	'NORTHEAST 13KV'	73	0.03744	-0.04603	88
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04601	88
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	KACP	'NORTHEAST 13KV'	73	0.03744	-0.04601	88
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04595	88
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'GREERS FERRY 161KV'	93.4	-0.00286	-0.04566	88
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00267	-0.04585	88
SWPA	'OZARK 161KV'	64.90001	-0.00463	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04532	89
KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04479	90
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.0449	90
WERE	'EMPORIA 345KV'	828	-0.00746	KACP	'NORTHEAST 161KV'	73	0.03744	-0.0449	90
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04479	90
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04479	90
INDN	'SUBSTATION J 69KV'	30	0.11885	MIPU	'SIBLEY 69KV'	45.99999	0.16366	-0.04481	91
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04418	91
WERE	'GETTY 69KV'	35	-0.00859	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04418	91
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04416	91
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00857	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04416	91
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	KACP	'BULL CREEK 161KV'	308	-0.0041	-0.04422	92
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'BROKEN BOW 138KV'	93.4	-0.00466	-0.04386	92
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'OZARK 161KV'	130.6	-0.00463	-0.04389	92
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04336	93
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00524	-0.04328	93
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04299	94
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04299	94
WERE	'EMPORIA 345KV'	828	-0.00746	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04305	94
WERE	'EMPORIA 345KV'	828	-0.00746	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04305	94
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04294	94
SWPA	'KEYSTONE DAM 161KV'	50	-0.00735	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04294	94
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'BULL SHOALS 161KV'	278.7	-0.00555	-0.04297	94
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'DENISON 138KV'	59.40001	-0.00573	-0.04279	94
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04255	95
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04268	95
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04268	95
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'EUFAULA 138KV'	51	-0.00592	-0.0426	95
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'EUFAULA 161KV'	69.6	-0.00592	-0.0426	95
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'WEBBERS FALLS 161KV'	39	-0.00614	-0.04238	95
SWPA	'OZARK 161KV'	64.90001	-0.00463	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04207	96
SWPA	'OZARK 161KV'	64.90001	-0.00463	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04207	96
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04216	96
KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04154	97
KACP	'BULL CREEK 161KV'	65	-0.0041	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04154	97
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04114	98
SWPA	'BULL SHOALS 161KV'	110.9	-0.00555	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04114	98
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04131	98
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00735	-0.04117	98
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'CLARENE CANNON DAM 69KV'	39.2	-0.00407	-0.04065	99
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04083	99
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00524	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04083	99
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.04022	100
SWPA	'OZARK 161KV'	64.90001	-0.00463	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.04022	100
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'HAWTHORN 161KV'	769	0.04069	-0.04019	101
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.04011	101
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	KACP	'NORTHEAST 161KV'	73	0.03744	-0.04011	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	SWPA	'BEAVER 161KV'	138.1001	-0.00368	-0.04016	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00857	-0.03995	101
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00864	-0.03988	101
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'LAKE ROAD 161KV'	35	0.03559	-0.03969	102
KACP	'BULL CREEK 161KV'	65	-0.0041	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03969	102
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00874	-0.03978	102
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.0393	103
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	KACP	'NORTHEAST 161KV'	73	0.03744	-0.0393	103
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03891	104
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03891	104
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03806	106
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03806	106
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00267	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03829	106
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04852	WERE	'CHANUTE 69KV'	56.723	-0.01063	-0.03789	107
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00186	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03745	108
SWPA	'TRUMAN 161KV'	78.00002	-0.02176	KACP	'IATAN 345KV'	396	0.01567	-0.03743	108
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'NORTHEAST 13KV'	98.82568	0.03744	-0.03694	109
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	KACP	'NORTHEAST 161KV'	73	0.03744	-0.03694	109
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00005	-0.03708	109
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00147	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03706	109
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0003	-0.03628	111
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00062	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03621	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00062	-0.03596	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00062	-0.03596	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'SIKESTON 161KV'	235	-0.00039	-0.03619	112
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00072	-0.03586	113
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.0005	MIPU	'LAKE ROAD 34KV'	92	0.03559	-0.03509	115
KACP	'MARSHALL 161KV'	54.1	-0.03658	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00155	-0.03503	115
KACP	'MARSHALL 161KV'	54.1	-0.03658	SWPA	'JONESBORO 161KV'	63			

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

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Direction: To->From
 Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
 Flowgate: 5920592351PHILL737514107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 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)
1162650	1.6	3.1	MIPU	'GREENWOOD 161KV'	255.8	-0.27236	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.42724	7
1162651	1.5	3.1	MIPU	'ARIES 161KV'	595	-0.24217	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.39705	8
			MIPU	'ARIES 161KV'	595	-0.24217	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.3749	8
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.3835	8
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.40509	8
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	INDN	'SUB H 69KV'	29.07014	0.09362	-0.36598	8
			MIPU	'ARIES 161KV'	595	-0.24217	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.35331	9
			MIPU	'ARIES 161KV'	595	-0.24217	INDN	'SUB H 69KV'	29.07014	0.09362	-0.33579	9
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	INDN	'MOCT 69KV'	30.8	0.07925	-0.35161	9
			MIPU	'ARIES 161KV'	595	-0.24217	INDN	'MOCT 69KV'	30.8	0.07925	-0.32142	10
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'HAWTHORN 161KV'	769	0.03173	-0.30408	10
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.30116	10
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.30116	10
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.30066	10
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'NORTHEAST 161KV'	73	0.0283	-0.30066	10
			MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.31648	10
			MIPU	'ARIES 161KV'	595	-0.24217	KACP	'HAWTHORN 161KV'	769	0.03173	-0.2739	11
			MIPU	'ARIES 161KV'	595	-0.24217	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.27097	11
			MIPU	'ARIES 161KV'	595	-0.24217	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.27097	11
			MIPU	'ARIES 161KV'	595	-0.24217	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.27047	11
			MIPU	'ARIES 161KV'	595	-0.24217	KACP	'NORTHEAST 161KV'	73	0.0283	-0.27047	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00157	-0.27079	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00089	-0.27147	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00511	-0.27747	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00078	-0.27158	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00078	-0.27158	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'IATAN 345KV'	396	0.01163	-0.28399	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00078	-0.27158	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00023	-0.27213	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'JONESBORO 161KV'	63	-0.00162	-0.27074	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'KENNETT 69KV'	7.2	-0.00094	-0.27142	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'MALDEN 69KV'	7	-0.00077	-0.27103	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'PARAGOULD 69KV'	5.5	-0.00133	-0.27103	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'POPLAR BLUFF 69KV'	6	-0.00087	-0.27149	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'SIKESTON 161KV'	235	-0.00024	-0.27212	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00192	-0.27044	11
			MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.27274	11
			MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.29433	11
			MIPU	'ARIES 161KV'	595	-0.24217	KACP	'IATAN 345KV'	396	0.01163	-0.2538	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'BEAVER 161KV'	138.1001	-0.00929	-0.26307	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'BROKEN BOW 138KV'	93.4	-0.00464	-0.26772	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'BULL CREEK 161KV'	308	-0.00839	-0.26397	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'BULL SHOALS 161KV'	278.7	-0.00623	-0.26813	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'CARTHAGE 69KV'	30	-0.01435	-0.25801	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CHANUTE 69KV'	56.723	-0.01078	-0.26158	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00763	-0.26473	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.00942	-0.26294	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF ERIE 69KV'	23.27	-0.01078	-0.26158	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF GIRARD 69KV'	4.789	-0.0114	-0.26096	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF IOLA 69KV'	24.267	-0.01186	-0.2605	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'CITY OF MULVANE 69KV'	8.238	-0.00768	-0.2647	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF NEODESHA 69KV'	4.494	-0.00929	-0.26307	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0074	-0.26496	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00942	-0.26294	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'DENISON 138KV'	59.40001	-0.00566	-0.2667	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'EUFULA 138KV'	51	-0.00602	-0.26634	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'EUFULA 161KV'	69.6	-0.00602	-0.26634	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00751	-0.26485	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00741	-0.26495	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00747	-0.26489	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'GREEN FERRY 161KV'	93.4	-0.00464	-0.26796	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00741	-0.26495	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'LACYGNE UNIT 345KV'	958	-0.01107	-0.26129	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00315	-0.26921	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'OZARK 161KV'	130.6	-0.00477	-0.26759	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00536	-0.267	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	WERE	'WACO 138KV'	17.96	-0.00742	-0.26494	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'WEBBERS FALLS 161KV'	39	-0.00626	-0.2661	12
			MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	INDN	'SUB H 69KV'	29.07014	0.09362	-0.25522	12
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00157	-0.2406	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'BEAVER 161KV'	138.1001	-0.00929	-0.23288	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00089	-0.24128	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'BROKEN BOW 138KV'	93.4	-0.00464	-0.23763	13
			MIPU	'ARIES 161KV'	595	-0.24217	KACP	'BULL CREEK 161KV'	308	-0.00839	-0.23378	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'BULL SHOALS 161KV'	278.7	-0.00623	-0.23594	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CHANUTE 69KV'	56.723	-0.01078	-0.23139	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00763	-0.23454	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.00942	-0.23275	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF ERIE 69KV'	23.27	-0.01078	-0.23139	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF GIRARD 69KV'	4.789	-0.0114	-0.23077	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF IOLA 69KV'	24.267	-0.01186	-0.23031	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF MULVANE 69KV'	8.238	-0.00768	-0.23451	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF NEODESHA 69KV'	4.494	-0.00929	-0.23288	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0074	-0.23477	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00511	-0.24728	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00942	-0.23275	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'DENISON 138KV'	59.40001	-0.00566	-0.23651	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'EUFULA 138KV'	51	-0.00602	-0.23615	13
			MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'EUFULA 161KV'	69.6	-0.00602	-0.23615	13
			MIPU	'ARIES 161KV'	595	-0.24217	WERE	'EVANS ENERGY CENTER 13				

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

MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'POPLAR BLUFF 69KV'	6	-0.00087	-0.2413	13
MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00536	-0.23681	13
MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'SIKESTON 161KV'	235	-0.00024	-0.24193	13
MIPU	'ARIES 161KV'	595	-0.24217	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00192	-0.24025	13
MIPU	'ARIES 161KV'	595	-0.24217	WERE	'WACO 138KV'	17.96	-0.00742	-0.23475	13
MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'WEBBERS FALLS 161KV'	353.3117	-0.00626	-0.23591	13
MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'MONTROSE 161KV'	77	-0.04236	-0.23	13
MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.02478	-0.24758	13
MIPU	'GREENWOOD 161KV'	255.8	-0.27236	SWPA	'TRUMAN 161KV'	102	-0.02445	-0.24791	13
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	INDN	'MOCT 69KV'	30.8	0.07925	-0.24085	13
MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'CARTHAGE 69KV'	30	-0.01435	-0.22782	14
MIPU	'ARIES 161KV'	595	-0.24217	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.02478	-0.21739	14
MIPU	'ARIES 161KV'	595	-0.24217	SWPA	'TRUMAN 161KV'	102	-0.02445	-0.21772	14
MIPU	'GREENWOOD 161KV'	255.8	-0.27236	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04991	-0.22245	14
MIPU	'NEVADA 69KV'	20.3	-0.06382	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.2187	14
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.20479	15
MIPU	'ARIES 161KV'	595	-0.24217	KACP	'MONTROSE 161KV'	353.3117	-0.04236	-0.19981	16
MIPU	'ARIES 161KV'	595	-0.24217	MIPU	'SOUTH HARPER 161KV'	252.4078	-0.04991	-0.19226	16
KACP	'MONTROSE 161KV'	27.68829	-0.04236	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.19724	16
MIPU	'NEVADA 69KV'	20.3	-0.06382	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.19655	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	KACP	'HAWTHORN 161KV'	769	0.03173	-0.19333	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.1904	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	MIPU	'LAKE ROAD 34KV'	82	0.0288	-0.1904	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.1899	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	KACP	'NORTHEAST 161KV'	73	0.3263	-0.1899	16
MIPU	'GREENWOOD 161KV'	255.8	-0.27236	KACP	'CITY OF HIGGINSVILLE 69KV'	35	-0.09342	-0.17594	17
KACP	'MARSHALL 161KV'	54.1	-0.02279	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.17767	17
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.18264	17
SWPA	'TRUMAN 161KV'	78.00002	-0.02445	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.17933	17
KACP	'MONTROSE 161KV'	27.68829	-0.04236	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.17509	18
MIPU	'NEVADA 69KV'	20.3	-0.06382	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.17496	18
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	KACP	'IATAN 345KV'	396	0.01163	-0.17323	18
SWPA	'BEAVER 161KV'	27.49995	-0.00929	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16417	19
SWPA	'BROKEN BOW 138KV'	16.6	-0.00464	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15952	19
KACP	'BULL CREEK 161KV'	65	-0.00639	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15327	19
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16111	19
WERE	'CHANUTE 69KV'	31.077	-0.01078	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16566	19
WERE	'CITY OF AUGUSTA 69KV'	10.141	-0.00763	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16251	19
WERE	'CITY OF BURLINGTON 69KV'	21.247	-0.00942	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.1643	19
WERE	'CITY OF FREDONIA 69KV'	9.173	-0.00942	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.1643	19
WERE	'CITY OF IOLA 69KV'	13.361	-0.01186	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16674	19
WERE	'CITY OF MULVANE 69KV'	7.502	-0.00766	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16254	19
WERE	'CITY OF WINFIELD 69KV'	12.038	-0.0074	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16228	19
SWPA	'DENISON 138KV'	10.59999	-0.00566	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16054	19
WERE	'EMPIRIA 345KV'	828	-0.00574	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16062	19
SWPA	'EUFULA 138KV'	9.000004	-0.00602	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.1609	19
SWPA	'EUFULA 161KV'	12.4	-0.00602	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.1609	19
WERE	'EVANS ENERGY CENTER 138KV'	8	-0.00751	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16239	19
KACP	'GARDNER 161KV'	11	-0.00964	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16452	19
WERE	'GETTY 69KV'	35	-0.00753	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16241	19
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16229	19
WERE	'GILL ENERGY CENTER 69KV'	8	-0.00747	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16235	19
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16229	19
SWPA	'OZARK 161KV'	64.90001	-0.00477	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15965	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00157	-0.16003	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00089	-0.16071	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00511	-0.16671	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00078	-0.16082	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00078	-0.16082	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00078	-0.16082	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00023	-0.16137	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'JONESBORO 161KV'	63	-0.00162	-0.15998	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'KENNETT 69KV'	7.2	-0.00094	-0.16066	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'MALDEN 69KV'	7	-0.0007	-0.1609	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'SIKESTON 161KV'	235	-0.00192	-0.15968	19
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00192	-0.15968	19
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16024	19
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.16105	19
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.16114	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	21.02441	-0.00089	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15577	20
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00379	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15867	20
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00181	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15669	20
SWPA	'GREYS FERRY 161KV'	16.6	-0.003	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15788	20
WERE	'HOLTON 115KV'	19.8	0.00294	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15204	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00078	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15566	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00078	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15566	20
SWPA	'INDEPENDENCE 161KV'	13	-0.00267	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15755	20
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.00078	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15566	20
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00023	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15511	20
SWPA	'KENNETT 69KV'	21.8	-0.00094	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15582	20
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15803	20
SWPA	'MALDEN 69KV'	10	-0.0007	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15558	20
KACP	'MARSHALL 161KV'	54.1	-0.02279	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.15552	20
KACP	'MONTROSE 161KV'	27.68829	-0.04236	INDN	'BLUE VALLEY 69KV'	85.08216	0.11114	-0.1535	20
MIPU	'NEVADA 69KV'	20.3	-0.06382	INDN	'SUB H 69KV'	23.07014	0.09362	-0.15748	20
SWPA	'PARAGOULD 69KV'	12	-0.00133	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15621	20
SWPA	'PIGGOTT 69KV'	7.5	-0.00085	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15573	20
SWPA	'POPLAR BLUFF 69KV'	7	-0.00087	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15575	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'BEAVER 161KV'	138.1001	-0.00929	-0.15231	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'BROKEN BOW 138KV'	93.4	-0.00464	-0.15696	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	KACP	'BULL CREEK 161KV'	308	-0.00839	-0.15321	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'BULL SHOALS 161KV'	278.7	-0.00623	-0.15537	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00763	-0.15397	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.00942	-0.15218	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'CITY OF MULVANE 69KV'	9.288	-0.00766	-0.15394	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0074	-0.1542	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.00942	-0.15218	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'DENISON 138KV'	59.40001	-0.00566	-0.15594	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'EUFULA 138KV'	51	-0.00602	-0.15558	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'EUFULA 161KV'	69.6	-0.00602	-0.15558	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00751	-0.15409	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00741	-0.15419	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00747	-0.15413	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'GREYS FERRY 161KV'	93.4	-0.003	-0.1586	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00741	-0.15419	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00315	-0.15845	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'OZARK 161KV'	130.6	-0.00477	-0.15683	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00536	-0.15624	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	WERE	'WACO 138KV'	17.96	-0.00742	-0.15418	20
MIPU	'RALPH GREEN 69KV'	73.7	-0.1616	SWPA	'WEBBERS FALLS 161KV'	39	-0.00626	-0.15534	20
WERE	'ST JOHN 115KV'	7.5	-0.00037	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15525	20
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.0018	MIPU	'SIBLEY 161KV'	232.8084	0.15488	-0.15668	20
SWPA	'TRUMAN 161KV'	78.00002	-0.02445	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.15718	20
MIPU	'ARIES 161KV'	595	-0.24217	KACP	'CITY OF HIGGINSVILLE 69KV'	35	-0.09342	-0.14875	21
WERE									

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

MIPU	RALPH GREEN 69KV	73.7	-0.1616	WERE	CITY OF IOLA 69KV	24.267	-0.01186	-0.14974	21
MIPU	RALPH GREEN 69KV	73.7	-0.1616	KACP	LACYGNE UNIT 345KV	958	-0.01107	-0.15053	21
WERE	SOUTH SENECA 115KV	16.7	0.00497	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.14991	21
SWPA	BEAVER 161KV	27.49995	-0.00929	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14202	22
KACP	BULL CREEK 161KV	65	-0.00839	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14112	22
SWPA	BULL SHOALS 161KV	110.9	-0.00623	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13896	22
WERE	CHANUTE 69KV	31.077	-0.01078	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14351	22
WERE	CITY OF AUGUSTA 69KV	10.141	-0.00763	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14036	22
WERE	CITY OF BURLINGTON 69KV	21.247	-0.00942	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14215	22
WERE	CITY OF FREDONIA 69KV	9.173	-0.00942	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14215	22
WERE	CITY OF MULVANE 69KV	7.502	-0.00766	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14039	22
WERE	CITY OF WINFIELD 69KV	12.038	-0.0074	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14013	22
SWPA	DENISON 138KV	10.59999	-0.00566	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13839	22
WERE	EMPORIA 345KV	828	-0.00574	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13847	22
SWPA	EUFAULA 138KV	9.00004	-0.00602	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13875	22
SWPA	EUFAULA 161KV	12.4	-0.00602	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13875	22
WERE	EVANS ENERGY CENTER 138KV	8	-0.00751	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14024	22
KACP	GARDNER 161KV	11	-0.00964	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14237	22
WERE	GETTY 69KV	35	-0.00753	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14026	22
WERE	GILL ENERGY CENTER 138KV	49	-0.00741	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14014	22
WERE	GILL ENERGY CENTER 69KV	8	-0.00747	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.1402	22
SWPA	KEYSTONE DAM 161KV	50	-0.00741	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.14014	22
MIPU	NEVADA 69KV	20.3	-0.00382	INDN	MOCT 69KV	30.8	0.07925	-0.14307	22
SWPA	ROBERT S. KERR 161KV	74.5	-0.00536	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13809	22
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	INDN	SUB H 69KV	29.07014	0.09362	-0.14353	22
SWPA	WEBBERS FALLS 161KV	30	-0.00626	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13899	22
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00089	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13362	23
SWPA	BROKEN BOW 138KV	16.6	-0.00464	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13737	23
WERE	CITY OF OSAGE CITY 115KV	8.85	-0.00379	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13652	23
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00181	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13454	23
SWPA	GREERS FERRY 161KV	16.6	-0.003	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13573	23
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00078	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13351	23
WERE	HUTCHINSON ENERGY CENTER 69KV	12	-0.00078	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13351	23
SWPA	INDEPENDENCE 161KV	13	-0.00267	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.1354	23
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00078	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13351	23
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00023	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13296	23
SWPA	KENNETT 69KV	21.8	-0.00094	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13367	23
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00315	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13588	23
SWPA	MALDEN 69KV	10	-0.0007	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13343	23
KACP	MARSHALL 161KV	54.1	-0.02279	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.13393	23
KACP	MONTROSE 161KV	27.68829	-0.04236	INDN	SUB H 69KV	29.07014	0.09362	-0.13598	23
SWPA	OZARK 161KV	64.90001	-0.00477	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.1375	23
SWPA	PARAGOULD 69KV	12	-0.00133	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13406	23
MIPU	RALPH GREEN 69KV	73.7	-0.1616	KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.02478	-0.13682	23
MIPU	RALPH GREEN 69KV	73.7	-0.1616	SWPA	TRUMAN 161KV	102	-0.02445	-0.13715	23
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0018	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.13453	23
SWPA	TRUMAN 161KV	78.00002	-0.02445	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.13559	23
SWPA	CLARENCE CANNON DAM 69KV	8.799999	0.00511	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.12762	24
WERE	HOLTON 115KV	19.8	0.00284	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.12989	24
KACP	NORTHEAST 13KV	70.17432	0.0283	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.12658	24
KACP	NORTHEAST 161KV	96	0.0283	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.12658	24
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	INDN	MOCT 69KV	30.8	0.07925	-0.12916	24
WERE	SOUTH SENECA 115KV	16.7	0.00497	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.12776	24
WERE	CHANUTE 69KV	31.077	-0.01078	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.12192	25
WERE	CITY OF IOLA 69KV	13.361	-0.01186	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.123	25
MIPU	LAKE ROAD 161KV	91	0.0288	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.12608	25
KACP	MONTROSE 161KV	27.68829	-0.04236	INDN	MOCT 69KV	30.8	0.07925	-0.12161	25
SWPA	BEAVER 161KV	27.49995	-0.00929	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.12043	26
KACP	BULL CREEK 161KV	65	-0.00839	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11953	26
SWPA	BULL SHOALS 161KV	110.9	-0.00623	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11737	26
WERE	CITY OF AUGUSTA 69KV	10.141	-0.00763	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11877	26
WERE	CITY OF BURLINGTON 69KV	21.247	-0.00942	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.12056	26
WERE	CITY OF FREDONIA 69KV	9.173	-0.00942	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.12056	26
WERE	CITY OF WINFIELD 69KV	12.038	-0.0074	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11854	26
SWPA	EUFAULA 138KV	9.00004	-0.00602	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11716	26
SWPA	EUFAULA 161KV	12.4	-0.00602	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11716	26
KACP	GARDNER 161KV	11	-0.00964	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.12078	26
WERE	GETTY 69KV	35	-0.00753	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11867	26
WERE	GILL ENERGY CENTER 138KV	49	-0.00741	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11855	26
SWPA	KEYSTONE DAM 161KV	50	-0.00741	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11855	26
MIPU	RALPH GREEN 69KV	73.7	-0.1616	KACP	MONTROSE 161KV	353.3117	-0.04236	-0.11924	26
SWPA	TRUMAN 161KV	78.00002	-0.02445	INDN	SUB H 69KV	29.07014	0.09362	-0.11807	26
SWPA	WEBBERS FALLS 161KV	30	-0.00626	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.1174	26
SWPA	BROKEN BOW 138KV	16.6	-0.00464	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11578	27
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00181	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11295	27
SWPA	DENISON 138KV	10.59999	-0.00566	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.1168	27
WERE	EMPORIA 345KV	828	-0.00574	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11688	27
SWPA	GREERS FERRY 161KV	16.6	-0.003	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11414	27
SWPA	INDEPENDENCE 161KV	13	-0.00267	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11381	27
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00315	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11429	27
KACP	MARSHALL 161KV	54.1	-0.02279	INDN	SUB H 69KV	29.07014	0.09362	-0.11641	27
SWPA	OZARK 161KV	64.90001	-0.00477	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11591	27
SWPA	ROBERT S. KERR 161KV	74.5	-0.00536	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.1165	27
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0018	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11294	27
MIPU	TWA 161KV	32.1	0.03873	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.11615	27
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00089	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11203	28
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00078	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11192	28
WERE	HUTCHINSON ENERGY CENTER 69KV	12	-0.00078	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11192	28
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00078	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11192	28
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00023	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11137	28
SWPA	KENNETT 69KV	21.8	-0.00094	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11208	28
SWPA	MALDEN 69KV	10	-0.0007	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11184	28
SWPA	PARAGOULD 69KV	12	-0.00133	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.11247	28
MIPU	RALPH GREEN 69KV	73.7	-0.1616	MIPU	SOUTH HARPER 161KV	252.4078	-0.04991	-0.11169	28
WERE	CITY OF IOLA 69KV	13.361	-0.01186	INDN	SUB H 69KV	29.07014	0.09362	-0.10548	29
WERE	HOLTON 115KV	19.8	0.00284	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.1083	29
WERE	SOUTH SENECA 115KV	16.7	0.00497	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.10617	29
SWPA	BEAVER 161KV	27.49995	-0.00929	INDN	SUB H 69KV	29.07014	0.09362	-0.10291	30
KACP	BULL CREEK 161KV	65	-0.00839	INDN	SUB H 69KV	29.07014	0.09362	-0.10201	30
WERE	CHANUTE 69KV	31.077	-0.01078	INDN	SUB H 69KV	29.07014	0.09362	-0.1044	30
WERE	CITY OF BURLINGTON 69KV	21.247	-0.00942	INDN	SUB H 69KV	29.07014	0.09362	-0.10304	30
KACP	GARDNER 161KV	11	-0.00964	INDN	SUB H 69KV	29.07014	0.09362	-0.10326	30

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

WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00181	INDN	SUB H 69KV	29.07014	0.09362	-0.09543	32
SWPA	GREERS FERRY 161KV	16.6	-0.003	INDN	SUB H 69KV	29.07014	0.09362	-0.09662	32
SWPA	INDEPENDENCE 161KV	13	-0.0267	INDN	SUB H 69KV	29.07014	0.09362	-0.09629	32
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00315	INDN	SUB H 69KV	29.07014	0.09362	-0.09677	32
MIPU	NEVADA 69KV	20.3	-0.06382	KACP	HAWTHORN 161KV	769	0.03173	-0.08555	32
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.018	INDN	SUB H 69KV	29.07014	0.09362	-0.09542	32
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00089	INDN	SUB H 69KV	29.07014	0.09362	-0.09451	33
WERE	HUTCHINSON ENERGY CENTER 115KV	12	-0.00078	INDN	SUB H 69KV	29.07014	0.09362	-0.0944	33
WERE	HUTCHINSON ENERGY CENTER 69KV	12	-0.00078	INDN	SUB H 69KV	29.07014	0.09362	-0.0944	33
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00078	INDN	SUB H 69KV	29.07014	0.09362	-0.0944	33
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00023	INDN	SUB H 69KV	29.07014	0.09362	-0.09385	33
SWPA	KENNETT 69KV	21.8	-0.00094	INDN	SUB H 69KV	29.07014	0.09362	-0.09456	33
MIPU	NEVADA 69KV	20.3	-0.06382	MIPU	LAKE ROAD 161KV	35	0.0288	-0.09262	33
MIPU	NEVADA 69KV	20.3	-0.06382	MIPU	LAKE ROAD 34KV	92	0.0288	-0.09262	33
SWPA	PARAGOULD 69KV	12	-0.00133	INDN	SUB H 69KV	29.07014	0.09362	-0.09495	33
MIPU	TWA 161KV	32.1	0.03873	MIPU	SIBLEY 69KV	45.99999	0.13273	-0.094	33
WERE	CHANUTE 69KV	31.077	-0.01078	INDN	MOCT 69KV	30.8	0.07925	-0.09003	34
WERE	CITY OF IOLA 69KV	13.361	-0.01186	INDN	MOCT 69KV	30.8	0.07925	-0.09111	34
WERE	HOLTON 115KV	19.8	0.00284	INDN	SUB H 69KV	29.07014	0.09362	-0.09078	34
MIPU	NEVADA 69KV	20.3	-0.06382	KACP	NORTHEAST 13KV	98.82568	0.0283	-0.09212	34
MIPU	NEVADA 69KV	20.3	-0.06382	KACP	NORTHEAST 161KV	73	0.0283	-0.09212	34
SWPA	BEAVER 161KV	27.49995	-0.00929	INDN	MOCT 69KV	30.8	0.07925	-0.08854	35
KACP	BULL CREEK 161KV	65	-0.00839	INDN	MOCT 69KV	30.8	0.07925	-0.08764	35
WERE	CITY OF BURLINGTON 69KV	21.247	-0.00942	INDN	MOCT 69KV	30.8	0.07925	-0.08867	35
WERE	SOUTH SENECA 115KV	46.7	0.00497	INDN	SUB H 69KV	29.07014	0.09362	-0.08865	35
SWPA	BULL SHOALS 161KV	110.9	-0.00623	INDN	MOCT 69KV	30.8	0.07925	-0.08548	36
WERE	CITY OF WINFIELD 69KV	12.038	-0.0074	INDN	MOCT 69KV	30.8	0.07925	-0.08665	36
WERE	EMPORIA 345KV	828	-0.00574	INDN	MOCT 69KV	30.8	0.07925	-0.08499	36
SWPA	EUFAULA 161KV	12.4	-0.00602	INDN	MOCT 69KV	30.8	0.07925	-0.08527	36
WERE	GETTY 69KV	35	-0.00753	INDN	MOCT 69KV	30.8	0.07925	-0.08678	36
WERE	GILL ENERGY CENTER 138KV	49	-0.00741	INDN	MOCT 69KV	30.8	0.07925	-0.08666	36
SWPA	KEYSTONE DAM 161KV	50	-0.00741	INDN	MOCT 69KV	30.8	0.07925	-0.08666	36
SWPA	WEBBERS FALLS 161KV	30	-0.00626	INDN	MOCT 69KV	30.8	0.07925	-0.08551	36
SWPA	BROKEN BOW 138KV	16.6	-0.00464	INDN	MOCT 69KV	30.8	0.07925	-0.08389	37
KACP	NORTHEAST 13KV	70.17432	0.0283	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.08294	37
KACP	NORTHEAST 161KV	96	0.0283	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.08284	37
SWPA	OZARK 161KV	64.90001	-0.00477	INDN	MOCT 69KV	30.8	0.07925	-0.08402	37
SWPA	ROBERT S. KERR 161KV	74.5	-0.00536	INDN	MOCT 69KV	30.8	0.07925	-0.08461	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00181	INDN	MOCT 69KV	30.8	0.07925	-0.08106	38
SWPA	GREERS FERRY 161KV	16.6	-0.003	INDN	MOCT 69KV	30.8	0.07925	-0.08225	38
SWPA	INDEPENDENCE 161KV	13	-0.0267	INDN	MOCT 69KV	30.8	0.07925	-0.08192	38
MIPU	LAKE ROAD 161KV	91	0.0288	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.08234	38
WERE	LAWRENCE ENERGY CENTER 230KV	43.27051	-0.00315	INDN	MOCT 69KV	30.8	0.07925	-0.0824	38
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	KACP	HAWTHORN 161KV	769	0.03173	-0.08164	38
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.018	INDN	MOCT 69KV	30.8	0.07925	-0.08105	38
WERE	BPU - CITY OF MCPHERSON 115KV	21.02441	-0.00089	INDN	MOCT 69KV	30.8	0.07925	-0.08014	39
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00078	INDN	MOCT 69KV	30.8	0.07925	-0.08003	39
WERE	JEFFREY ENERGY CENTER 230KV	24	-0.00078	INDN	MOCT 69KV	30.8	0.07925	-0.08003	39
WERE	JEFFREY ENERGY CENTER 345KV	42	-0.00023	INDN	MOCT 69KV	30.8	0.07925	-0.07948	39
SWPA	KENNETT 69KV	21.8	-0.00094	INDN	MOCT 69KV	30.8	0.07925	-0.08019	39
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	MIPU	LAKE ROAD 161KV	35	0.0288	-0.07871	39
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	MIPU	LAKE ROAD 34KV	92	0.0288	-0.07871	39
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	KACP	NORTHEAST 13KV	98.82568	0.0283	-0.07821	40
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	KACP	NORTHEAST 161KV	73	0.0283	-0.07821	40
WERE	HOLTON 115KV	19.8	0.00284	INDN	MOCT 69KV	30.8	0.07925	-0.07541	41
MIPU	NEVADA 69KV	20.3	-0.06382	KACP	IATAN 345KV	396	0.01163	-0.07545	41
KACP	MONROSE 161KV	27.68829	-0.04236	KACP	HAWTHORN 161KV	769	0.03173	-0.07409	42
WERE	SOUTH SENECA 115KV	16.7	0.00497	INDN	MOCT 69KV	30.8	0.07925	-0.07428	42
MIPU	TWA 161KV	32.1	0.03873	INDN	BLUE VALLEY 69KV	85.08216	0.11114	-0.07241	43
KACP	MONROSE 161KV	27.68829	-0.04236	MIPU	LAKE ROAD 161KV	35	0.0288	-0.07116	44
KACP	MONROSE 161KV	27.68829	-0.04236	MIPU	LAKE ROAD 34KV	92	0.0288	-0.07116	44
KACP	MONROSE 161KV	27.68829	-0.04236	KACP	NORTHEAST 13KV	98.82568	0.0283	-0.07066	44
KACP	MONROSE 161KV	27.68829	-0.04236	KACP	NORTHEAST 161KV	73	0.0283	-0.07066	44
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	CLARENCE CANNON DAM 69KV	39.2	0.00511	-0.06893	45
MIPU	PARISH GREEN 69KV	73.7	-0.01616	KACP	CITY OF HIGGINSVILLE 69KV	35	-0.03162	-0.06718	45
KACP	NORTHEAST 13KV	70.17432	0.0283	INDN	SUB H 69KV	29.07014	0.09362	-0.06532	47
KACP	NORTHEAST 161KV	96	0.0283	INDN	SUB H 69KV	29.07014	0.09362	-0.06532	47
MIPU	LAKE ROAD 161KV	91	0.0288	INDN	SUB H 69KV	29.07014	0.09362	-0.06482	48
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	-0.00089	-0.06293	49
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00078	-0.06304	49
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00078	-0.06304	49
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00078	-0.06304	49
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00023	-0.06359	49
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	SIKESTON 161KV	235	-0.00024	-0.06358	49
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	TECUMSEH ENERGY CENTER 115KV	40	-0.0157	-0.06225	50
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	JONESBORO 161KV	63	-0.00182	-0.06222	50
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00192	-0.06159	50
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	KACP	IATAN 345KV	396	0.01163	-0.06154	50
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	GREERS FERRY 161KV	93.4	-0.003	-0.06082	51
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	LAWRENCE ENERGY CENTER 230KV	225.7295	-0.00315	-0.06067	51
INDN	SUB I 69KV	38	0.09391	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.06097	51
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	BROKEN BOW 138KV	93.4	-0.00464	-0.05918	52
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	OZARK 161KV	130.6	-0.00477	-0.05905	52
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	DENISON 138KV	59.40001	-0.00566	-0.05816	53
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	ROBERT S. KERR 161KV	314.2	-0.00538	-0.05846	53
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	BULL SHOALS 161KV	278.7	-0.00623	-0.05759	54
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	EUFAULA 138KV	51	-0.00602	-0.0578	54
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	EUFAULA 161KV	69.6	-0.00602	-0.0578	54
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	WEBBERS FALLS 161KV	39	-0.00626	-0.05756	54
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	CITY OF AUGUSTA 69KV	24	-0.00763	-0.05619	55
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	CITY OF WINFIELD 69KV	27.962	-0.0074	-0.05642	55
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	EVANS ENERGY CENTER 138KV	565	-0.00751	-0.05631	55
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	GILL ENERGY CENTER 138KV	171	-0.00741	-0.05641	55
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	GILL ENERGY CENTER 69KV	75	-0.00747	-0.05635	55
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	KEYSTONE DAM 161KV	160.2	-0.00741	-0.05641	55
SWPA	TRUMAN 161KV	78.00002	-0.02445	KACP	HAWTHORN 161KV	769	0.03173	-0.05618	55
MIPU	NEVADA 69KV	20.3	-0.06382	KACP	BULL CREEK 161KV	308	-0.00839	-0.05543	56
MIPU	SOUTH HARPER 161KV	62.59215	-0.04991	SWPA	CLARENCE CANNON DAM 69KV	39.2	0.00511	-0.05502	56
INDN	SUBSTATION J 69KV	30	0.09996	MIPU	SIBLEY 161KV	232.8084	0.15488	-0.05492	56
MIPU	TWA 161KV	32.1	0.03873	INDN	SUB H 69KV	29.07014	0.09362	-0.05489	56
KACP	MARSHALL 161KV	54.1	-0.02279	KACP	HAWTHORN 161KV	769	0.03173	-0.05452	57
KACP	MONROSE 161KV	27.68829	-0.04236	KACP	IATAN 345KV	396	0.01163	-0.05399	57
MIPU	NEVADA 69KV	20.3	-0.06382	SWPA	BEAVER 161KV	138.1001	-0.00929	-0.05453	57
MIPU	NEVADA 69KV	20.3	-0.06382	WERE	CITY OF BURLINGTON 69KV	34.753	-0.00942	-0.0544	57
MIPU	NEVADA 69KV	20.3							

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

KACP	'NORTHEAST 161KV'	96	0.0283	INDN	'MOCT 69KV'	30.8	0.07925	-0.05095	61
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00023	-0.04968	62
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'SIKESTON 161KV'	235	-0.00024	-0.04967	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00089	-0.04902	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00078	-0.04913	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00078	-0.04913	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'JEFFREY ENERGY CENTER 230KV'	40	-0.00078	-0.04913	63
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00157	-0.04834	64
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'JONESBORO 161KV'	63	-0.00162	-0.04829	64
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00511	-0.04747	65
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00192	-0.04799	65
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'GREERS FERRY 161KV'	93.4	-0.003	-0.04691	66
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00315	-0.04676	66
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'BROKEN BOW 138KV'	93.4	-0.00464	-0.04527	68
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'OZARK 161KV'	130.6	-0.00477	-0.04514	69
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'DENISON 138KV'	59.40001	-0.00566	-0.04425	70
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'ROBERT S. KERR 161KV'	314.2	-0.00536	-0.04455	70
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'BULL SHOALS 161KV'	278.7	-0.00623	-0.04368	71
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'EUFULA 138KV'	51	-0.00602	-0.04389	71
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'EUFULA 161KV'	69.6	-0.00602	-0.04389	71
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'WEBBERS FALLS 161KV'	39	-0.00626	-0.04365	71
WERE	'CHANUTE 69KV'	31.077	-0.01078	KACP	'HAWTHORN 161KV'	769	0.03173	-0.04251	73
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.0074	-0.04251	73
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00751	-0.0424	73
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00741	-0.0425	73
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00747	-0.0424	73
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00741	-0.0425	73
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00023	-0.04213	74
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'SIKESTON 161KV'	235	-0.00024	-0.04212	74
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	-0.00089	-0.04147	75
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00078	-0.04158	75
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00078	-0.04158	75
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00078	-0.04158	75
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	KACP	'BULL CREEK 161KV'	308	-0.00839	-0.04152	75
SWPA	'BEAVER 161KV'	27.49995	-0.00529	KACP	'HAWTHORN 161KV'	769	0.03173	-0.04102	76
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00566	-0.04079	76
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'JONESBORO 161KV'	63	-0.00162	-0.04074	76
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'BEAVER 161KV'	138.10001	-0.00929	-0.04062	76
MIPU	'TWA 161KV'	32.1	0.03873	INDN	'MOCT 69KV'	30.8	0.07925	-0.04052	76
KACP	'BULL CREEK 161KV'	65	-0.00839	KACP	'HAWTHORN 161KV'	769	0.03173	-0.04012	77
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00192	-0.04044	77
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.00942	-0.04049	77
WERE	'CHANUTE 69KV'	31.077	-0.01078	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03958	78
WERE	'CHANUTE 69KV'	31.077	-0.01078	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03958	78
WERE	'CHANUTE 69KV'	31.077	-0.01078	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03908	79
WERE	'CHANUTE 69KV'	31.077	-0.01078	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03908	79
WERE	'GETTY 69KV'	35	-0.00753	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03928	79
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03914	79
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03914	79
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'GREERS FERRY 161KV'	93.4	-0.003	-0.03936	79
KACP	'MONROSE 161KV'	27.68829	-0.04236	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.7295	-0.00315	-0.03921	79
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	WERE	'CHANUTE 69KV'	56.723	-0.01078	-0.03913	79
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	KACP	'LACYGNE UNIT 345KV'	958	-0.01107	-0.03884	80
INDN	'SUB I 69KV'	38	0.09391	MIPU	'SIBLEY 69KV'	45.99999	0.13273	-0.03882	81
SWPA	'BEAVER 161KV'	27.49995	-0.00529	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03809	81
SWPA	'BEAVER 161KV'	27.49995	-0.00529	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03809	81
SWPA	'BEAVER 161KV'	27.49995	-0.00529	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03759	82
SWPA	'BEAVER 161KV'	27.49995	-0.00529	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03759	82
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03796	82
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'BROKEN BOW 138KV'	93.4	-0.00464	-0.03772	82
KACP	'MONROSE 161KV'	27.68829	-0.04236	SWPA	'OZARK 161KV'	130.6	-0.00477	-0.03759	82
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03799	82
KACP	'BULL CREEK 161KV'	65	-0.00839	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03719	83
KACP	'BULL CREEK 161KV'	65	-0.00839	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03719	83
WERE	'EMPORIA 345KV'	828	-0.00574	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03747	83
KACP	'BULL CREEK 161KV'	65	-0.00839	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03669	84
KACP	'BULL CREEK 161KV'	65	-0.00839	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03669	84
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03709	84
WERE	'GETTY 69KV'	35	-0.00753	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03633	85
WERE	'GETTY 69KV'	35	-0.00753	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03633	85
SWPA	'OZARK 161KV'	64.90001	-0.00477	KACP	'HAWTHORN 161KV'	769	0.03173	-0.0365	85
WERE	'GETTY 69KV'	35	-0.00753	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03583	86
WERE	'GETTY 69KV'	35	-0.00753	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03583	86
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03621	86
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03621	86
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03621	86
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03621	86
SWPA	'TRUMAN 161KV'	78.00002	-0.02445	KACP	'IATAN 345KV'	396	0.01163	-0.03608	86
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03571	87
WERE	'GILL ENERGY CENTER 138KV'	49	-0.00741	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03571	87
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03571	87
SWPA	'KEYSTONE DAM 161KV'	50	-0.00741	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03571	87
MIPU	'SOUTH HARPER 161KV'	62.59215	-0.04991	SWPA	'CARTHAGE 69KV'	30	-0.01435	-0.03556	87
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03503	88
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03503	88
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03506	88
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03506	88
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03488	89
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03453	90
SWPA	'BULL SHOALS 161KV'	110.9	-0.00623	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03453	90
WERE	'EMPORIA 345KV'	828	-0.00574	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03454	90
WERE	'EMPORIA 345KV'	828	-0.00574	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03454	90
KACP	'MARSHALL 161KV'	54.1	-0.02279	KACP	'IATAN 345KV'	396	0.01163	-0.03442	90
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03456	90
SWPA	'WEBBERS FALLS 161KV'	30	-0.00626	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03456	90
WERE	'EMPORIA 345KV'	828	-0.00574	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03404	91
WERE	'EMPORIA 345KV'	828	-0.00574	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03404	91
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03416	91
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03416	91
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00181	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03354	92
SWPA	'OZARK 161KV'	64.90001	-0.00477	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03357	92
SWPA	'OZARK 161KV'	64.90001	-0.00477	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03357	92
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03366	92
SWPA	'ROBERT S. KERR 161KV'	74.5	-0.00536	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03366	92
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.0018	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03353	92
SWPA	'OZARK 161KV'	64.90001	-0.00477	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03307	94
SWPA	'OZARK 161KV'	64.90001	-0.00477	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03307	94
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00078	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03251	95
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.00023	KACP	'HAWTHORN 161KV'	769	0.03173	-0.03196	97
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03195	97
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	MIPU	'LAKE ROAD 34KV'	92	0.0288	-0.03195	97
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	KACP	'NORTHEAST 13KV'	98.82568	0.0283	-0.03145	99
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.27051	-0.00315	KACP	'NORTHEAST 161KV'	73	0.0283	-0.03145	99
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.00181	MIPU	'LAKE ROAD 161KV'	35	0.0288	-0.03061	101
WERE	'CLAY CENTER JUNCTION 115KV'	38							

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

WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0018	KACP	NORTHEAST 13KV	98.82568	0.0283	-0.0301	103
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.0018	KACP	NORTHEAST 161KV	73	0.0283	-0.0301	103

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: BOEING - STEARMAN 138KV CKT 1 & Evans - Grant - Chisolm Rebuild and Conversion Project
 Limiting Facility: BOEING - STEARMAN 138KV CKT 1
 Direction: To->From
 Line Outage: SPP-WERE-29
 Flowgate: 57030570681SPP-WERE-292208SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1161506	17.1	17.1	WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	ELK RIVER 345KV	150	0.01757	-0.19544	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	CITY OF BURLINGTON 69KV	34.061	0.00917	-0.18704	91
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	CHANUTE 69KV	55.637	0.00624	-0.18411	93
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	ASBURY 161KV	191	0.00313	-0.181	94
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	LACYGNE UNIT 345KV	958	0.003	-0.18087	94
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	FLINT CREEK 161KV	428	0.00118	-0.17805	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	LARUSSEL 161KV	116	0.00226	-0.18013	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	NORTHEASTERN STATION 138KV	500	0.00105	-0.17892	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	NORTHEASTERN STATION 345KV	645	0.00159	-0.17946	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00153	-0.1794	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	RIVERTON 161KV	88.89612	0.0027	-0.18057	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	RIVERTON 69KV	42.51023	0.00254	-0.18041	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	EMDE	STATE LINE 161KV	503	0.00257	-0.18044	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	AES 161KV	320	-0.00004	-0.17783	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	BULL CREEK 161KV	308	0.00058	-0.17845	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00021	-0.17808	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	COCENTRIX 345KV	200	0.00006	-0.17793	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	EASTMAN 138KV	355.0058	-0.00085	-0.17702	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	FITZHUGH 161KV	126	0.00006	-0.17793	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	GREENWOOD 161KV	169.9976	0.00022	-0.17809	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	HAWTHORN 161KV	769	-0.00007	-0.1778	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	KNOXLEE 138KV	225	-0.00085	-0.17702	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	LAKE ROAD 161KV	35	-0.00066	-0.17721	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	LAKE ROAD 34KV	92	-0.00066	-0.17721	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	LEBROCK 345KV	465.0004	-0.00085	-0.17702	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	LIEBERMAN 138KV	73.99999	-0.00077	-0.1771	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	MONTROSE 161KV	355.3524	0.00038	-0.1825	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MUSKOGEE 161KV	166	0.0001	-0.17797	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MUSKOGEE 345KV	1516	-0.00005	-0.17782	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACY	NEARMAN 161KV	77	-0.0001	-0.17777	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACY	NEARMAN 20KV	220	-0.0001	-0.17777	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	OEC 345KV	219.0044	0.00047	-0.17834	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	PIRKEY GENERATION 138KV	490	-0.00085	-0.17702	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACY	QUINDARO 161KV	135.1816	-0.00009	-0.17778	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACY	QUINDARO 69KV	140	-0.00009	-0.17778	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	RIVERSIDE STATION 138KV	640	0.00009	-0.17796	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	SIBLEY 161KV	231.5896	0.00002	-0.17789	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	SIBLEY 69KV	45.99999	0	-0.17787	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIPU	SOUTH HARPER 161KV	315	0.00027	-0.17814	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	TULSA POWER STATION 138KV	186	0.00018	-0.17805	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	WILKES 138KV	349.5782	-0.00089	-0.17698	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	WILKES 345KV	311	-0.00087	-0.177	96
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	KACP	IATAN 345KV	396	-0.001	-0.17687	97
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	WELEETKA 138KV	84	-0.00113	-0.17674	97
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	WELSH 345KV	1044	-0.00097	-0.1769	97
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WEPL	CLIFTON 115KV	58.49084	-0.00444	-0.17343	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	COMANCHE 138KV	160	-0.0037	-0.17417	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	COMANCHE 69KV	63	-0.00366	-0.17421	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00321	-0.17466	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00409	-0.17378	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00409	-0.17378	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00277	-0.1751	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MCCLAIN 138KV	478	-0.0035	-0.17437	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MUSTANG 138KV	365.5	-0.00359	-0.17428	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MUSTANG 69KV	106	-0.00359	-0.17428	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	MUSKOGEE 161KV	300	-0.00387	-0.1735	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	REDBUD 345KV	250.0063	-0.00302	-0.17488	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	SEMINOLE 138KV	482.8771	-0.00296	-0.17491	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	SEMINOLE 345KV	996	-0.00304	-0.17483	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	SMITH COGEN 138KV	120	-0.00355	-0.17432	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	SOONER 138KV	505	-0.00374	-0.17413	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00365	-0.17422	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00275	-0.17512	98
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00601	-0.17186	99
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	OKGE	SOONER 345KV	513	-0.00503	-0.17284	99
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	EMPORIA 345KV	310	-0.00695	-0.17892	100
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	SMOKEY HILLS 34KV	152	-0.00741	-0.17046	100
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00802	-0.16985	101
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00887	-0.169	101
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00922	-0.16865	101
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WEPL	A. M. MULLERGEREN GENERATOR 115KV	63	-0.01139	-0.16648	103
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.01659	-0.16128	106
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WEPL	JUDSON LARGE 115KV	105.5424	-0.01668	-0.16119	106
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	EMDE	ELK RIVER 345KV	150	0.01757	-0.11832	144
			WERE	GILL ENERGY CENTER 69KV	118	-0.17787	WERE	EVANS ENERGY CENTER 138KV	340	-0.06403	-0.11384	150
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	CHANUTE 69KV	55.637	0.00624	-0.10959	160
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	EMDE	ASBURY 161KV	191	0.00313	-0.10388	164
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACP	LACYGNE UNIT 345KV	958	0.003	-0.10375	165
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	EMDE	RIVERTON 161KV	88.89612	0.0027	-0.10345	165
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	EMDE	STATE LINE 161KV	503	0.00257	-0.10332	165
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	EMDE	LARUSSEL 161KV	116	0.00226	-0.10301	166
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	NORTHEASTERN STATION 345KV	645	0.00159	-0.10234	167
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00153	-0.10228	167
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	FLINT CREEK 161KV	428	0.00118	-0.10193	168
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	NORTHEASTERN STATION 138KV	500	0.00105	-0.1018	168
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACP	BULL CREEK 161KV	308	0.00058	-0.10133	169
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	COCENTRIX 345KV	200	0.00006	-0.10081	169

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

WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACY	NEARMAN 20KV	220	-0.0001	-0.10065	170
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACY	QUINDARO 161KV	135.1816	-0.00009	-0.10066	170
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACY	QUINDARO 69KV	140	-0.00009	-0.10066	170
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	EASTMAN 138KV	355.0058	-0.00085	-0.0999	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	KACP	IATAN 345KV	396	-0.001	-0.09975	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	KNOXLEE 138KV	225	-0.00085	-0.0999	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	MIPU	LAKE ROAD 34KV	92	-0.00066	-0.10009	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	LEBROCK 345KV	465.0004	-0.00085	-0.0999	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	LIEBERMAN 138KV	73.99999	-0.00077	-0.09998	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	PIRKEY GENERATION 138KV	490	-0.00085	-0.0999	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	WELEETKA 138KV	84	-0.00113	-0.09962	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	WELSH 345KV	1044	-0.00097	-0.09978	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	WILKES 138KV	349.5782	-0.00089	-0.09986	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	WILKES 345KV	311	-0.00087	-0.09988	171
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00277	-0.09798	174
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	TECUMSEH ENERGY CENTER 119KV	108	-0.00275	-0.098	174
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00321	-0.09754	175
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	REDBUD 345KV	250.0063	-0.00302	-0.09773	175
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	SEMINOLE 138KV	482.8771	-0.00296	-0.09779	175
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	SEMINOLE 345KV	996	-0.00304	-0.09771	175
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	COMANCHE 138KV	160	-0.0037	-0.09705	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	COMANCHE 69KV	63	-0.00366	-0.09709	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	MCCLAIN 138KV	478	-0.0035	-0.09725	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	MUSTANG 138KV	365.5	-0.00359	-0.09716	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	MUSTANG 69KV	106	-0.00359	-0.09716	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	ONE OAK 345KV	300	-0.00397	-0.09678	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	SMITH COGEN 138KV	120	-0.00355	-0.0972	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	SOONER 138KV	505	-0.00374	-0.09701	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00365	-0.0971	176
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00409	-0.09666	177
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00409	-0.09666	177
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	OKGE	SOONER 345KV	513	-0.00503	-0.09572	178
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	EMPORIA 345KV	310	-0.00695	-0.0938	182
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	SMOKEY HILLS 34KV	152	-0.00741	-0.09334	183
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00802	-0.09273	184
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00887	-0.09188	186
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00922	-0.09153	187
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.10075	WEPL	JUDSON LARGE 115KV	105.5424	-0.01668	-0.08407	203
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	EMDE	ELK RIVER 345KV	150	0.01757	-0.0816	209
WERE	EVANS ENERGY CENTER 69KV	118	-0.09199	WERE	GILL ENERGY CENTER 138KV	155	-0.10075	-0.07712	221
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	EMDE	ASBURY 161KV	191	0.00313	-0.06716	254
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACP	LACYGNE UNIT 345KV	958	0.003	-0.06703	255
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	EMDE	RIVERTON 161KV	88.9812	0.0027	-0.06673	256
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	EMDE	STATE LINE 161KV	503	0.00257	-0.0666	256
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	EMDE	LARUSSEL 161KV	116	0.00228	-0.06529	258
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	NORTHEASTERN STATION 345KV	645	0.00159	-0.06562	260
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	FLINT CREEK 161KV	428	0.00118	-0.06521	262
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	NORTHEASTERN STATION 138KV	500	0.00105	-0.06508	262
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACP	BULL CREEK 161KV	308	0.00058	-0.06461	264
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACP	MONTROSE 161KV	355.3524	0.0038	-0.06441	265
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	OEC 345KV	219.0044	0.00047	-0.0645	265
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	COGENTRIX 345KV	200	0.00006	-0.06409	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	FITZHUGH 161KV	126	0.00006	-0.06409	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	MIPU	GREENWOOD 161KV	169.9976	0.00022	-0.06425	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	MUSKOGEE 161KV	96	0.0001	-0.06413	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	RIVERSIDE STATION 138KV	640	0.00009	-0.06412	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	MIPU	SOUTH HARPER 161KV	315	0.00027	-0.0643	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	TULSA POWER STATION 138KV	196	0.00018	-0.06421	266
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	AES 161KV	320	-0.00004	-0.06399	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACP	HAWTHORN 161KV	769	-0.00007	-0.06396	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	MUSKOGEE 345KV	1516	-0.00005	-0.06398	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACY	NEARMAN 20KV	220	-0.0001	-0.06393	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACY	QUINDARO 161KV	135.1816	-0.00009	-0.06394	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACY	QUINDARO 69KV	140	-0.00009	-0.06394	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	MIPU	SIBLEY 161KV	231.5886	0.00002	-0.06405	267
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	MIPU	LAKE ROAD 34KV	92	-0.00066	-0.06337	269
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	EASTMAN 138KV	355.0058	-0.00085	-0.06318	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	KNOXLEE 138KV	225	-0.00085	-0.06318	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	LEBROCK 345KV	465.0004	-0.00085	-0.06318	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	PIRKEY GENERATION 138KV	490	-0.00085	-0.06318	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	WILKES 138KV	349.5782	-0.00089	-0.06314	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	WILKES 345KV	311	-0.00087	-0.06316	270
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	KACP	IATAN 345KV	396	-0.001	-0.06303	271
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	WELSH 345KV	1044	-0.00097	-0.06306	271
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00277	-0.06126	279
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	TECUMSEH ENERGY CENTER 119KV	108	-0.00275	-0.06128	279
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	REDBUD 345KV	250.0063	-0.00302	-0.06101	280
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	SEMINOLE 138KV	482.8771	-0.00296	-0.06107	280
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	SEMINOLE 345KV	996	-0.00304	-0.06099	280
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00321	-0.06082	281
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	MCCLAIN 138KV	478	-0.0035	-0.06053	282
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	SMITH COGEN 138KV	120	-0.00355	-0.06048	282
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	COMANCHE 138KV	160	-0.0037	-0.06033	283
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	MUSTANG 138KV	365.5	-0.00359	-0.06044	283
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	MUSTANG 69KV	106	-0.00359	-0.06044	283
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	SOONER 138KV	505	-0.00374	-0.06029	283
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00365	-0.06038	283
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	ONE OAK 345KV	300	-0.00397	-0.06008	284
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00409	-0.05994	285
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00409	-0.05994	285
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	OKGE	SOONER 345KV	513	-0.00503	-0.059	289
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	EMPORIA 345KV	310	-0.00695	-0.05708	299
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	SMOKEY HILLS 34KV	152	-0.00741	-0.05662	302
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00802	-0.05601	305
WERE	EVANS ENERGY CENTER 138KV	467	-0.06403	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00922	-0.05481	312

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: Evans - Grant - Chisolm Rebuild and Conversion Project
 Limiting Facility: 17TH STREET (17TH 4X) 138/69/11.295KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 17TH4X142/CHISLM1X42/2208SP
 Date Redispatch Needed: Starting 2008/6/1 - 10/1 Until EOC
 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)
1161506		0.3										
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.00577	-0.08622	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00188	-0.09011	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	AES 161KV	320	-0.00912	-0.09187	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	ARSENAL HILL 69KV	11.21387	-0.00032	-0.09167	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	ASBURY 161KV	191	0.00096	-0.09295	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00326	-0.08873	3			
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	BULL CREEK 161KV	308	0.00059	-0.09258	3			

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

WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CHANUTE 69KV	56.637	0.00234	-0.09433	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF AUGUSTA 69KV	24	0.00755	-0.09954	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF BURLINGTON 69KV	34.061	0.00374	-0.09573	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF ERIE 69KV	23.374	0.00234	-0.09433	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF FREDONIA 69KV	3.596	0.00274	-0.09473	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF GIRARD 69KV	4.592	0.0014	-0.09339	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF IOLA 69KV	24.471	0.00203	-0.09402	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF NEODESHA 69KV	4.495	0.0024	-0.09439	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF WINFIELD 69KV	26.77	-0.00965	-0.08234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WEPL	CLIFTON 115KV	58.49084	-0.00132	-0.09067	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00374	-0.09573	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	COGENTRIX 345KV	200	-0.00016	-0.09183	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIDW	COLBY 115KV	2.743789	-0.0036	-0.08839	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	COMANCHE 138KV	160	-0.00142	-0.09057	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	COMANCHE 69KV	63	-0.00141	-0.09058	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	EASTMAN 138KV	355.0058	-0.00035	-0.09164	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	ELK RIVER 345KV	150	0.00455	-0.09654	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	EMPORIA 345KV	310	-0.00113	-0.09086	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	FITZHUGH 161KV	126	-0.00008	-0.09191	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	FLINT CREEK 161KV	428	0.00025	-0.09224	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	FPLWND2 34KV	23.001	-0.00185	-0.09014	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	FULTON 115KV	24.99999	-0.00033	-0.09166	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00409	-0.0879	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WEPL	GRAY COUNTY WIND FARM 115KV	90	-0.00941	-0.08258	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	GREENWOOD 161KV	169.9976	0.00045	-0.09244	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	HAWTHORN 161KV	769	0.00033	-0.09232	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	HORSESHOE LAKE 138KV	851.5	-0.0012	-0.09079	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	HORSESHOE LAKE 69KV	16	-0.00115	-0.09084	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00406	-0.08793	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	IATAN 345KV	396	0.00005	-0.09204	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00081	-0.09118	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00081	-0.09118	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WEPL	JUDSON LARGE 115KV	105.5424	-0.00946	-0.08253	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	KNOXLEE 138KV	225	-0.00035	-0.09184	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	L&O 69KV	11	-0.00008	-0.09191	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	LACYGNE UNIT 345KV	958	0.00139	-0.09338	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	LAKE ROAD 161KV	35	0.00008	-0.09207	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	LAKE ROAD 34KV	92	0.00008	-0.09207	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	LARUSSEL 161KV	116	0.00068	-0.09267	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00024	-0.09175	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	LEBROCK 345KV	465.0004	-0.00035	-0.09164	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	LIEBERMAN 138KV	73.99999	-0.00032	-0.09167	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	MARSHALL 161KV	115	0.00028	-0.09227	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	MCCOY 138KV	478	-0.00128	-0.09071	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	MCCONNELL 161KV	355.3524	0.00043	-0.09242	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	MUSKOGEE 161KV	166	-0.00012	-0.09187	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	MUSKOGEE 345KV	1516	-0.00018	-0.09181	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	MUSTANG 138KV	365.5	-0.00131	-0.09068	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	MUSTANG 69KV	106	-0.00132	-0.09067	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	NARROWS 69KV	22	-0.00046	-0.09153	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACY	NEARMAN 161KV	77	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACY	NEARMAN 20KV	220	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	NORTHEASTERN STATION 138KV	500	0.00011	-0.0921	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	NORTHEASTERN STATION 345KV	645	0.00033	-0.09232	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	OEC 345KV	219.0044	-0.00003	-0.09186	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	ONE OAK 345KV	3	-0.00145	-0.09054	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	OZARK BEACH 161KV	100	0.00044	-0.09243	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00087	-0.09286	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	PIRKEY GENERATION 138KV	490	-0.00035	-0.09164	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACY	QUINDARO 161KV	135.1816	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACY	QUINDARO 69KV	140	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	REDBUD 345KV	250.0063	-0.00114	-0.09085	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	RIVERSIDE STATION 138KV	640	-0.00016	-0.09183	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	RIVERTON 161KV	88.88612	0.00079	-0.09278	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	RIVERTON 69KV	42.81023	0.00074	-0.09273	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	SEMINOLE 138KV	482.8771	-0.00111	-0.09088	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	SEMINOLE 345KV	996	-0.00113	-0.09086	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	SIBLEY 161KV	231.5886	0.00035	-0.09234	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	SIBLEY 69KV	45.99999	0.00034	-0.09233	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	SMITH COGEN 138KV	120	-0.0013	-0.09069	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	SMOKEY HILLS 34KV	152	-0.00292	-0.08907	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	SOONER 138KV	505	-0.00228	-0.08971	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	SOONER 345KV	515	-0.00192	-0.09007	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	MIPU	SOUTH WABEP 161KV	313	0.0005	-0.09249	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	KACP	SOUTHWESTERN STATION 138KV	257	-0.00141	-0.09059	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	EMDE	STATE LINE 161KV	503	0.00075	-0.09274	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00018	-0.09181	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	OKGE	TINKER 5G 138KV	31.99805	-0.00122	-0.09077	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	TULSA POWER STATION 138KV	186	-0.00013	-0.09186	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	WELETKA 138KV	84	-0.00054	-0.09145	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	WELSH 345KV	1044	-0.0004	-0.09159	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	WILKES 138KV	349.5782	-0.00037	-0.09162	3
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	AEPW	WILKES 345KV	311	-0.00036	-0.09163	3
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00168	-0.0919	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	AES 161KV	320	-0.00012	-0.06366	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	ARSENAL HILL 69KV	11.21387	-0.00032	-0.06346	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	ASBURY 161KV	191	0.00096	-0.06474	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	BULL CREEK 161KV	308	0.00059	-0.06437	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CHANUTE 69KV	56.637	0.00234	-0.06612	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF AUGUSTA 69KV	24	0.00755	-0.07133	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF BURLINGTON 69KV	34.061	0.00374	-0.06752	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF ERIE 69KV	23.374	0.00234	-0.06612	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF FREDONIA 69KV	3.596	0.00274	-0.06652	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF GIRARD 69KV	4.592	0.0014	-0.06518	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF IOLA 69KV	24.471	0.00203	-0.06581	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF NEODESHA 69KV	4.495	0.0024	-0.06618	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WEPL	CLIFTON 115KV	58.49084	-0.00132	-0.06246	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00374	-0.06752	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	COGENTRIX 345KV	200	-0.00016	-0.06362	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	COMANCHE 138KV	160	-0.00142	-0.06236	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	COMANCHE 69KV	63	-0.00141	-0.06237	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	EASTMAN 138KV	355.0058	-0.00035	-0.06343	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	ELK RIVER 345KV	150	0.00455	-0.06383	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	EMPORIA 345KV	310	-0.00113	-0.06265	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	FITZHUGH 161KV	126	-0.00008	-0.0637	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	FLINT CREEK 161KV	428	0.00025	-0.06403	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	FPLWND2 34KV	23.001	-0.00185	-0.06193	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	FULTON 115KV	24.99999	-0.00033	-0.06345	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	GREENWOOD 161KV	169.9976	0.00045	-0.06423	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	HAWTHORN 161KV	769	0.00033	-0.06411	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	HORSESHOE LAKE 138KV	851.5	-0.0012	-0.06258	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	HORSESHOE LAKE 69KV	16	-0.00115	-0.06263	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	IATAN 345KV	396	0.00005	-0.06383	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00081	-0.06297	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	JEFFREY ENERGY CENTER 345				

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

WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	LACYGNE UNIT 345KV	958	0.00139	-0.06517	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	LAKE ROAD 161KV	35	0.00008	-0.06386	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	LAKE ROAD 34KV	92	0.00008	-0.06386	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	LARUSSELL 161KV	116	0.00068	-0.06446	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00024	-0.06354	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	LEBROCK 345KV	465.0004	-0.00035	-0.06343	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	LIEBERMAN 138KV	73.99999	-0.00032	-0.06346	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	MARSHALL 161KV	15	0.00028	-0.06406	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	MCCLAIN 138KV	478	-0.00128	-0.06254	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	MONTROSE 161KV	355.3524	0.00043	-0.06421	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	MUSKOGEE 161KV	166	-0.00012	-0.06366	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	MUSKOGEE 345KV	1516	-0.00018	-0.06366	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	MUSTANG 138KV	365.5	-0.00131	-0.06247	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	MUSTANG 69KV	106	-0.00132	-0.06246	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	NARROWS 69KV	22	-0.00046	-0.06332	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACY	NEARMAN 161KV	77	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACY	NEARMAN 20KV	220	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	NORTHEASTERN STATION 138KV	500	0.00011	-0.06389	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	NORTHEASTERN STATION 345KV	645	0.00033	-0.06411	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	OEC 345KV	219.0044	-0.00003	-0.06375	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	ONE OAK 345KV	300	-0.00145	-0.06233	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	OZARK BEACH 161KV	16	0.00044	-0.06422	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00087	-0.06465	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	PIRKEY GENERATION 138KV	490	-0.00035	-0.06343	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACP	QUINDARO 161KV	135.1816	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	KACY	QUINDARO 69KV	140	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	REDBUD 345KV	250.0063	-0.00114	-0.06264	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	RIVERSIDE STATION 138KV	640	-0.00016	-0.06362	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	RIVERTON 161KV	88.89612	0.00079	-0.06457	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	RIVERTON 69KV	42.51023	0.00074	-0.06452	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	SEMINOLE 138KV	482.8771	-0.00111	-0.06267	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	SEMINOLE 345KV	996	-0.00113	-0.06265	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	SIBLEY 161KV	231.5886	0.00035	-0.06413	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	SIBLEY 69KV	45.99999	0.00034	-0.06412	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	SMITH COGEN 138KV	120	-0.0013	-0.06248	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	SOONER 345KV	513	-0.00052	-0.06186	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIPU	SOUTH HARPER 161KV	315	0.00005	-0.06428	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00141	-0.06237	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	EMDE	STATE LINE 161KV	503	0.00075	-0.06453	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00018	-0.0636	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	TINKER 5G 138KV	31.99005	-0.00122	-0.06256	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	TULSA POWER STATION 138KV	186	-0.00013	-0.06365	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	WELETKA 138KV	84	-0.00054	-0.06324	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	WELSH 345KV	1044	-0.0004	-0.06338	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	WILKES 138KV	349.5782	-0.00037	-0.06341	4
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	AEPW	WILKES 345KV	311	-0.00036	-0.06342	4
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	EVANS ENERGY CENTER 138KV	340	-0.01711	-0.07488	4
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CHANUTE 69KV	55.637	0.00234	-0.05137	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF AUGUSTA 69KV	24	0.00755	-0.05658	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF BURLINGTON 69KV	34.061	0.00374	-0.05277	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF ERIE 69KV	23.374	0.00234	-0.05137	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF FREDONIA 69KV	3.596	0.00274	-0.05177	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF IOLA 69KV	24.471	0.00203	-0.05106	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF NEODESHA 69KV	4.495	0.0024	-0.05143	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00374	-0.05277	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	ELK RIVER 345KV	150	0.00455	-0.05358	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.00577	-0.05801	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00326	-0.06052	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	CITY OF WINFIELD 69KV	26.77	-0.00965	-0.05413	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIDW	COLBY 115KV	2.743789	-0.0036	-0.06018	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00409	-0.05969	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00941	-0.05437	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WEPL	HUTCHINSON ENERGY CENTER 115KV	205	-0.00406	-0.05972	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WEPL	JUDSON LARGE 115KV	105.5424	-0.00946	-0.05432	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	SMOKY HILLS 34KV	152	-0.00292	-0.06086	5
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	OKGE	SOONER 138KV	505	-0.00228	-0.0615	5
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF AUGUSTA 69KV	24	0.00755	-0.05457	5
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF BURLINGTON 69KV	34.061	0.00374	-0.05076	5
WEPL	HARPER 138KV	17.21	-0.04702	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00374	-0.05076	5
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	ELK RIVER 345KV	150	0.00455	-0.05157	5
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.00577	-0.04326	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00188	-0.04715	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	AES 161KV	320	-0.00012	-0.04891	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	ARSENAL HILL 69KV	11.21387	-0.00032	-0.04871	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	ASBURY 161KV	191	0.00396	-0.04999	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00326	-0.04571	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	BULL CREEK 161KV	308	0.00059	-0.04962	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF GIRARD 69KV	4.592	0.0014	-0.05043	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00035	-0.04938	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WEPL	CLIFTON 115KV	58.49084	-0.00132	-0.04771	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	COGENTRIX 345KV	200	-0.00016	-0.04887	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIDW	COLBY 115KV	2.743789	-0.0036	-0.04543	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	COMANCHE 138KV	160	-0.00142	-0.04761	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	COMANCHE 69KV	63	-0.00141	-0.04762	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	EASTMAN 138KV	355.0058	-0.00035	-0.04868	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	EMPORIA 345KV	310	-0.00113	-0.04879	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	FITZHUGH 161KV	126	-0.00008	-0.04895	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	FLINT CREEK 161KV	428	0.00025	-0.04928	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	FPLWIND2 34KV	23.001	-0.00185	-0.04718	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	FULTON 115KV	24.99999	-0.00033	-0.0487	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00409	-0.04494	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	GREENWOOD 161KV	169.9976	0.00045	-0.04948	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	HAWTHORN 161KV	769	0.00033	-0.04936	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	HORSESHOE LAKE 138KV	851.5	-0.0012	-0.04783	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	HORSESHOE LAKE 69KV	16	-0.00115	-0.04788	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00406	-0.04497	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	IATAN 345KV	396	0.00005	-0.04908	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00081	-0.04822	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00081	-0.04822	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	KNOXLEE 138KV	225	-0.00035	-0.04868	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	L&D13 69KV	11	-0.00008	-0.04895	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	LACYGNE UNIT 345KV	958	0.00139	-0.05042	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	LAKE ROAD 161KV	35	0.00008	-0.04911	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	LAKE ROAD 34KV	92	0.00008	-0.04911	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	LARUSSELL 161KV	116	0.00068	-0.04971	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00024	-0.04879	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	LEBROCK 345KV	465.0004	-0.00035	-0.04868	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	LIEBERMAN 138KV	73.99999	-0.00032	-0.04871	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	MARSHALL 161KV	15	0.00028	-0.04931	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	MCCLAIN 138KV	478	-0.00128	-0.04775	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	MONTROSE 161KV	355.3524	0.00043	-0.04946	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	MUSKOGEE 161KV	166	-0.00012	-0.04891	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	MUSKOGEE 345KV	1516	-0.00018	-0.04885	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	MUSTANG 138KV	365.5	-0.00131	-0.04772	

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

WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	NORTHEASTERN STATION 345KV	645	0.00033	-0.04936	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	OEC 345KV	219.0044	-0.00003	-0.049	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	ONE OAK 345KV	300	-0.00145	-0.04758	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	OZARK BEACH 161KV	16	0.00044	-0.04947	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00087	-0.0498	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	PIRKEY GENERATION 138KV	490	-0.00035	-0.04868	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACY	QUINDARO 161KV	135.1816	0.00035	-0.04938	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	KACY	QUINDARO 69KV	140	0.00035	-0.04938	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	REDBUD 345KV	250.0063	-0.00114	-0.04789	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	RIVERSIDE STATION 138KV	640	0.00016	-0.04887	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	RIVERTON 161KV	88.89612	0.00079	-0.04982	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	RIVERTON 69KV	42.51023	0.00074	-0.04977	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	SEMINOLE 138KV	482.8771	-0.00111	-0.04792	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	SEMINOLE 345KV	996	-0.00113	-0.0479	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	SIBLEY 161KV	231.5886	0.00035	-0.04938	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	SIBLEY 69KV	45.99999	0.00034	-0.04937	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	SMITH COGEN 138KV	120	-0.0013	-0.04773	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	SMOKEY HILLS 34KV	152	-0.00292	-0.04611	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	SOONER 138KV	505	-0.00228	-0.04675	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	SOONER 345KV	513	-0.00192	-0.04711	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	MIPU	SOUTH HARPER 161KV	315	0.0005	-0.04953	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00141	-0.04762	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	EMDE	STATE LINE 161KV	503	0.00075	-0.04978	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00018	-0.04885	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	OKGE	TINKER 5G 138KV	31.98905	-0.00122	-0.04581	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	TULSA POWER STATION 138KV	186	-0.00013	-0.0489	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	WELEETKA 138KV	84	-0.00054	-0.04849	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	WELSH 345KV	1044	-0.0004	-0.04863	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	WILKES 138KV	349.5782	-0.00037	-0.04866	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	AEPW	WILKES 345KV	311	-0.00036	-0.04867	6
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.06378	WERE	EVANS ENERGY CENTER 138KV	340	-0.01711	-0.04667	6
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	CITY OF MULVANE 69KV	8.29	-0.04903	-0.04296	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00188	-0.04514	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	AES 161KV	320	-0.00012	-0.0489	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	ARSENAL HILL 69KV	11.21387	-0.00032	-0.04467	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	ASBURY 161KV	181	-0.00096	-0.04798	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00326	-0.04376	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	BULL CREEK 161KV	308	0.00059	-0.04761	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CHANUTE 69KV	55.637	0.00234	-0.04936	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF ERIE 69KV	23.374	0.00234	-0.04936	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF FREDONIA 69KV	3.596	0.00274	-0.04976	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF GIRARD 69KV	4.592	0.0014	-0.04842	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF IOLA 69KV	24.471	0.00203	-0.04905	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF NEODESHA 69KV	14.495	0.0024	-0.04942	6
WEPL	HARPER 138KV	17.21	-0.04702	WEPL	CLIFTON 115KV	58.49084	-0.00132	-0.0457	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	COGENTRIX 345KV	200	-0.00016	-0.04886	6
WEPL	HARPER 138KV	17.21	-0.04702	MIDW	COLBY 115KV	2.743789	-0.0036	-0.04342	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	COMANCHE 138KV	160	-0.00142	-0.0456	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	COMANCHE 69KV	63	-0.00141	-0.04561	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	EASTMAN 138KV	355.0058	-0.00035	-0.04667	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	EMPORIA 345KV	310	-0.00113	-0.04589	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	FITZHUGH 161KV	126	-0.00008	-0.04694	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	FLINT CREEK 161KV	428	0.00025	-0.04727	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	FPLWIND 34KV	23.001	-0.00185	-0.04517	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	FULTON 138KV	24.99999	-0.00033	-0.04668	6
WEPL	HARPER 138KV	17.21	-0.04702	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00409	-0.04293	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	GREENWOOD 161KV	169.9976	0.00045	-0.04747	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	HAWTHORN 161KV	769	0.00033	-0.04735	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	HORSESHOE LAKE 138KV	851.5	-0.0012	-0.04582	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	HORSESHOE LAKE 69KV	16	-0.00115	-0.04587	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00406	-0.04296	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	IATAN 345KV	396	0.00005	-0.04707	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00081	-0.04621	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00081	-0.04621	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	KNOXLEE 138KV	225	-0.00035	-0.04667	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	L&D13 69KV	11	-0.00008	-0.04694	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	LACYGNE UNIT 345KV	958	0.00139	-0.04841	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	LAKE ROAD 161KV	35	0.00008	-0.0471	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	LAKE ROAD 34KV	92	0.00008	-0.0471	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	LARUSSEL 161KV	116	0.00068	-0.0477	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00024	-0.04678	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	LEBROCK 345KV	485.0004	-0.00035	-0.04667	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	LIEBERMAN 138KV	73.99999	-0.00032	-0.0467	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	MARSHALL 161KV	15	0.00028	-0.0473	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	MCCLAIN 138KV	478	-0.00128	-0.04574	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	MONTROSE 161KV	355.3524	0.00043	-0.04745	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	MUSKOGEE 161KV	166	-0.00012	-0.0469	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	MUSKOGEE 345KV	1516	-0.00018	-0.04684	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	MUSTANG 138KV	365.5	-0.00131	-0.04571	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	MUSTANG 69KV	106	-0.00132	-0.0457	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	NARROWS 69KV	22	-0.00046	-0.04656	6
WEPL	HARPER 138KV	17.21	-0.04702	KACY	NEARMAN 161KV	77	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	KACY	NEARMAN 20KV	220	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	NORTHEASTERN STATION 138KV	500	0.00011	-0.04713	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	NORTHEASTERN STATION 345KV	645	0.00033	-0.04738	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	OEC 345KV	219.0044	-0.00003	-0.04899	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	ONE OAK 345KV	300	-0.00145	-0.04557	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	OZARK BEACH 161KV	16	0.00044	-0.04746	6
WEPL	HARPER 138KV	17.21	-0.04702	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00087	-0.04789	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	PIRKEY GENERATION 138KV	490	-0.00035	-0.04667	6
WEPL	HARPER 138KV	17.21	-0.04702	KACY	QUINDARO 161KV	135.1816	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	KACY	QUINDARO 69KV	140	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	REDBUD 345KV	250.0063	-0.00114	-0.04588	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	RIVERSIDE STATION 138KV	640	-0.00016	-0.04886	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	RIVERTON 161KV	88.89612	0.00079	-0.04781	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	RIVERTON 69KV	42.51023	0.00074	-0.04776	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	SEMINOLE 138KV	482.8771	-0.00111	-0.04591	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	SEMINOLE 345KV	996	-0.00113	-0.04589	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	SIBLEY 161KV	231.5886	0.00035	-0.04737	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	SIBLEY 69KV	45.99999	0.00034	-0.04736	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	SMITH COGEN 138KV	120	-0.0013	-0.04572	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	SMOKEY HILLS 34KV	152	-0.00292	-0.0441	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	SOONER 138KV	505	-0.00228	-0.04474	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	SOONER 345KV	513	-0.00192	-0.0451	6
WEPL	HARPER 138KV	17.21	-0.04702	MIPU	SOUTH HARPER 161KV	315	0.0005	-0.04752	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00141	-0.04561	6
WEPL	HARPER 138KV	17.21	-0.04702	EMDE	STATE LINE 161KV	503	0.00075	-0.04777	6
WEPL	HARPER 138KV	17.21	-0.04702	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00018	-0.04684	6
WEPL	HARPER 138KV	17.21	-0.04702	OKGE	TINKER 5G 138KV	31.98905	-0.00122	-0.0458	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	TULSA POWER STATION 138KV	186	-0.00013	-0.04889	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	WELEETKA 138KV	84	-0.00054	-0.04648	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	WELSH 345KV	1044	-0.0004	-0.04662	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	WILKES 138KV	349.5782	-0.00037	-0.04665	6
WEPL	HARPER 138KV	17.21	-0.04702	AEPW	WILKES 345KV	311	-0.00036	-0.04666	6
WERE	CITY OF MULVANE 69KV	7.5	-0.04903	WERE	CITY OF WINFIELD 69KV	26.771	-0.00965	-0.03938	7
WERE	CITY OF MULVANE 69KV	7.5							

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

WEPL	HARPER 138KV	17.21	-0.04702	WERE	CITY OF WINFIELD 69KV	26.77	-0.00965	-0.03737	7
WEPL	HARPER 138KV	17.21	-0.04702	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00941	-0.03761	7
WEPL	HARPER 138KV	17.21	-0.04702	WEPL	JUDSON LARGE 115KV	105.5424	-0.00946	-0.03756	7
WERE	GILL ENERGY CENTER 69KV	118	-0.09199	WERE	WACO 138KV	17.967	-0.05903	-0.03296	8
WERE	CITY OF MULVANE 69KV	7.51	-0.04903	WERE	EVANS ENERGY CENTER 138KV	340	-0.01711	-0.03192	9

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

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

Upgrade: Evans - Grant - Chisolm Rebuild and Conversion Project
Limiting Facility: CHISHOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: EVANS ENERGY CENTER NORTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1
Flowgate: CHISLM1X14215704057085122085P
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
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)
1161506	4.3	4.3	WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	CITY OF BURLINGTON 69KV	34.061	0.00156	-0.05153	83
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	CHANUTE 69KV	55.637	0.00086	-0.05083	84
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	ELK RIVER 345KV	150	0.0007	-0.05067	84
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	LACYGNE UNIT 345KV	958	0.00066	-0.05063	84
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	ASBURY 161KV	191	0.00025	-0.05022	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	BULL CREEK 161KV	308	0.00042	-0.05039	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00028	-0.05025	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	EMPORIA 345KV	310	0.00035	-0.05032	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	GREENWOOD 161KV	169.9976	0.00036	-0.05033	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	HAWTHORN 161KV	769	0.00031	-0.05028	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	IATAN 345KV	396	0.00024	-0.05021	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00008	-0.05005	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00008	-0.05005	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	LAKE ROAD 161KV	35	0.00021	-0.05018	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	LAKE ROAD 34KV	92	0.00021	-0.05018	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	LARUSSEL 161KV	116	0.00017	-0.05014	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	0.00032	-0.05029	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	MONTROSE 161KV	355.3524	0.00032	-0.05029	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	NEARMAN 161KV	77	0.00034	-0.05031	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	NEARMAN 20KV	220	0.00034	-0.05031	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00048	-0.05045	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	QUINDARO 161KV	135.1816	0.00034	-0.05031	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	KACP	QUINDARO 69KV	140	0.00034	-0.05031	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	RIVERTON 161KV	88.89612	0.00018	-0.05015	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	RIVERTON 69KV	42.51023	0.00017	-0.05014	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	SIBLEY 161KV	231.5886	0.00031	-0.05028	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	SIBLEY 69KV	45.99999	0.00031	-0.05028	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIPU	SOUTH HARPER 161KV	315	0.0004	-0.05037	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	EMDE	STATE LINE 161KV	503	0.00017	-0.05014	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00038	-0.05035	85
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00049	-0.04948	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	AES 161KV	320	-0.00011	-0.04986	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WEPL	CLIFTON 115KV	58.49084	-0.0003	-0.04967	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	COGENTRIX 345KV	200	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	EASTMAN 138KV	355.0058	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	FITZLUIGH 161KV	126	-0.00009	-0.04988	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	FLINT CREEK 161KV	428	-0.00001	-0.04996	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00047	-0.0495	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	KNOXLEE 138KV	225	-0.00015	-0.04982	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	LEBROCK 345KV	465.0004	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	LIEBERMAN 138KV	73.99999	-0.00014	-0.04983	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	MCCLELLAN 138KV	478	-0.00048	-0.04949	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	MUSKOGEE 161KV	166	-0.00014	-0.04983	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	MUSKOGEE 345KV	1516	-0.00015	-0.04982	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	MUSTANG 138KV	365.5	-0.00049	-0.04948	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	MUSTANG 69KV	106	-0.0005	-0.04947	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	NORTHEASTERN STATION 138KV	500	-0.00011	-0.04986	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	NORTHEASTERN STATION 345KV	645	-0.00002	-0.04995	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	OEC 345KV	219.0004	-0.00012	-0.04985	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	PIRKEY GENERATION 138KV	490	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	REDBUD 345KV	250.0063	-0.00045	-0.04952	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	RIVERSIDE STATION 138KV	640	-0.00017	-0.0498	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	SEMINOLE 138KV	482.8771	-0.00043	-0.04954	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	SEMINOLE 345KV	996	-0.00043	-0.04954	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	SMITH COGEN 138KV	120	-0.00049	-0.04948	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	TINKER 5G 138KV	31.99805	-0.00046	-0.04951	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	TULSA POWER STATION 138KV	186	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	WELETKA 138KV	84	-0.00027	-0.0497	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	WELSH 345KV	1044	-0.00017	-0.0498	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	WILKES 138KV	349.5782	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	WILKES 345KV	311	-0.00016	-0.04981	86
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	COMANCHE 138KV	160	-0.00056	-0.04941	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	COMANCHE 69KV	63	-0.00056	-0.04941	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	ONE OAK 345KV	300	-0.00054	-0.04943	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	SOONER 345KV	513	-0.00076	-0.04921	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00056	-0.04941	87
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00132	-0.04865	88
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	SMOKEY HILLS 34KV	152	-0.00113	-0.04884	88
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	OKGE	SOONER 138KV	505	-0.00134	-0.04863	88
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00188	-0.04809	89
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00179	-0.04818	89
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.00287	-0.04711	91
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WERE	EVANS ENERGY CENTER 138KV	340	-0.00278	-0.04719	91
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00506	-0.04491	95
			WERE	GILL ENERGY CENTER 69KV	118	-0.04997	WEPL	JUDSON LARGE 115KV	105.5424	-0.00509	-0.04488	95
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	CHANUTE 69KV	55.637	0.00086	-0.03741	114
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	EMDE	ELK RIVER 345KV	150	0.0007	-0.03725	115
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	KACP	LACYGNE UNIT 345KV	958	0.00066	-0.03721	115
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	EMDE	ASBURY 161KV	191	0.00025	-0.0368	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	KACP	BULL CREEK 161KV	308	0.00042	-0.03697	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	EMPORIA 345KV	310	0.00035	-0.0369	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	MIPU	GREENWOOD 161KV	169.9976	0.00036	-0.03691	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	KACP	HAWTHORN 161KV	769	0.00031	-0.03686	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	KACP	IATAN 345KV	396	0.00024	-0.03679	116
			WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	MIPU	LAKE ROAD 34KV				

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

WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	AES 161KV	320	-0.00011	-0.03644	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	FITZHUGH 161KV	126	-0.00009	-0.03646	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	FLINT CREEK 161KV	428	-0.00001	-0.03654	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00008	-0.03663	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00008	-0.03663	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	EMDE	LARUSSEL 161KV	116	0.00017	-0.03672	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	LIEBERMAN 138KV	73.99999	-0.00014	-0.03641	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	MUSKOGEE 161KV	166	-0.00014	-0.03641	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	NORTHEASTERN STATION 138KV	500	-0.00011	-0.03644	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	NORTHEASTERN STATION 345KV	645	-0.00002	-0.03653	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	OEC 345KV	219.00044	-0.00012	-0.03643	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	EMDE	RIVERTON 69KV	42.51023	0.00017	-0.03672	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	EMDE	STATE LINE 161KV	503	0.00017	-0.03672	117
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WEPL	CLIFTON 115KV	58.49084	-0.00003	-0.03625	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	COGENTRIX 345KV	200	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	EASTMAN 138KV	355.00558	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	KNOXLEE 138KV	225	-0.00015	-0.03664	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	LEBROCK 345KV	465.00004	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	MUSKOGEE 345KV	1516	-0.00015	-0.03664	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	PIRKEY GENERATION 138KV	490	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	RIVERSIDE STATION 138KV	640	-0.00017	-0.03638	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	SEMINOLE 138KV	482.8771	-0.00043	-0.03612	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	SEMINOLE 345KV	996	-0.00043	-0.03612	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	TULSA POWER STATION 138KV	186	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	WLEETKA 138KV	84	-0.00027	-0.03628	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	WELSH 345KV	1044	-0.00017	-0.03638	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	WILKES 138KV	349.5782	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	WILKES 345KV	311	-0.00016	-0.03639	118
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00049	-0.03606	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	COMANCHE 138KV	160	-0.00056	-0.03599	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	COMANCHE 69KV	63	-0.00056	-0.03599	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00047	-0.03608	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	MCLAIN 138KV	478	-0.00048	-0.03607	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	MUSTANG 138KV	365.5	-0.00049	-0.03606	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	MUSTANG 69KV	100	-0.0005	-0.03605	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	ONE OAK 345KV	300	-0.00054	-0.03601	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	REDBUD 345KV	250.00063	-0.00045	-0.0361	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	SMITH COGEN 138KV	120	-0.00049	-0.03606	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00056	-0.03599	119
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	SOONER 345KV	513	-0.00076	-0.03579	120
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00132	-0.03523	121
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	SMOKEY HILLS 34KV	152	-0.00113	-0.03542	121
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	OKGE	SOONER 138KV	505	-0.00134	-0.03521	122
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00188	-0.03467	123
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	HUTCHINSON ENERGY CENTER 115KV	235	-0.00179	-0.03476	123
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	A. M. MULLERGEN GENERATOR 115KV	63	-0.00287	-0.03368	127
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WERE	EVANS ENERGY CENTER 138KV	340	-0.00278	-0.03377	127
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00506	-0.03149	136
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.03655	WEPL	JUDSON LARGE 115KV	105.5424	-0.00509	-0.03146	136

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: Evans - Grant - Chisolm Rebuild and Conversion Project
 Limiting Facility: CHISOLM (CHISLM1X) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: SPP-WERE-39
 Flowgate: CHISLM1X1421SPP-WERE-392208SPP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1161506	0.6	0.6	WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	A. M. MULLERGEN GENERATOR 115KV	63	-0.004	-0.07053	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	ABILENE ENERGY CENTER 115KV	40	-0.0005	-0.07403	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	AES 161KV	320	-0.0002	-0.07433	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	ARSENAL HILL 69KV	11.21387	-0.00023	-0.0743	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	ASBURY 161KV	191	0.00031	-0.07484	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00172	-0.07281	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	BULL CREEK 161KV	308	0.0007	-0.07523	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CHANUTE 69KV	55.637	0.0013	-0.07583	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF AUGUSTA 69KV	24	0.00214	-0.07667	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF BURLINGTON 69KV	34.061	0.00233	-0.07686	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF ERIE 69KV	23.374	0.0013	-0.07583	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF FREDONIA 69KV	3.596	0.00158	-0.07611	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF GIRARD 69KV	4.592	0.00052	-0.07605	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00047	-0.075	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF IOLA 69KV	24.471	0.00109	-0.07562	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF NEODESHA 69KV	4.495	0.00131	-0.07584	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WEPL	CLIFTON 115KV	58.49084	-0.00023	-0.0743	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00233	-0.07686	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	COGENTRIX 345KV	200	-0.00031	-0.07422	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIDW	COLBY 115KV	2.743789	-0.00242	-0.07211	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	COMANCHE 138KV	160	-0.00085	-0.07368	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	COMANCHE 69KV	63	-0.00085	-0.07368	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	EASTMAN 138KV	355.00558	-0.00025	-0.07428	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	ELK RIVER 345KV	150	0.00044	-0.07497	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	EMPORIA 345KV	310	0.00078	-0.07531	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	EVANS ENERGY CENTER 138KV	340	-0.00357	-0.07096	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	FITZHUGH 161KV	126	-0.00016	-0.07437	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	FLINT CREEK 161KV	428	-0.00008	-0.07445	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	FPLWIND 2.34KV	23.001	-0.00121	-0.07332	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	FULTON 115KV	24.99999	-0.00024	-0.07428	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00256	-0.07197	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	GREENWOOD 161KV	169.9976	0.00062	-0.07515	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	HAWTHORN 161KV	769	0.00055	-0.07608	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00073	-0.0738	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	HORSESHOE LAKE 69KV	16	-0.00071	-0.07382	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00239	-0.07214	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	IATAN 345KV	396	0.00048	-0.07501	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00032	-0.07485	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00032	-0.07485	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	KNOXLEE 138KV	225	-0.00025	-0.07428	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	L&D13 69KV	11	-0.00019	-0.07434	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	LACYGNE UNIT 345KV	958	0.00102	-0.07555	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	LAKE ROAD 161KV	35	0.00041	-0.07494	8
			WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	LAKE				

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

WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	MUSTANG 138KV	365.5	-0.00076	-0.07377	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	MUSTANG 69KV	106	-0.00077	-0.07376	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	NARROWS 69KV	22	-0.00032	-0.07421	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACY	NEARMAN 161KV	77	0.00059	-0.07512	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACY	NEARMAN 20KV	220	0.00059	-0.07512	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	NORTHEASTERN STATION 138KV	500	-0.00025	-0.07428	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	NORTHEASTERN STATION 345KV	645	-0.00011	-0.07442	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	OEC 345KV	219.0044	-0.00025	-0.07428	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	ONE OAK 345KV	300	-0.00084	-0.07369	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	OZARK BEACH 161KV	16	0.00011	-0.07464	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00077	-0.0753	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	PIRKEY GENERATION 138KV	490	-0.00025	-0.07428	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACY	QUINDARO 161KV	135.1816	0.00059	-0.07512	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	KACY	QUINDARO 69KV	140	0.00059	-0.07512	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	REDBUD 345KV	250.0063	-0.00071	-0.07382	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	RIVERSIDE STATION 138KV	640	-0.00031	-0.07422	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	RIVERTON 161KV	88.89612	0.00019	-0.07472	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	RIVERTON 69KV	42.51023	0.00018	-0.07471	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	SEMINOLE 138KV	482.8771	-0.00067	-0.07386	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	SEMINOLE 345KV	996	-0.00068	-0.07385	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	SIBLEY 161KV	231.5886	0.00054	-0.07507	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	SIBLEY 69KV	45.99999	0.00054	-0.07507	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	SMITH COGEN 138KV	120	-0.00076	-0.07377	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	SMOKEY HILLS 34KV	152	-0.00145	-0.07308	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	SOONER 138KV	505	-0.00022	-0.07233	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	SOONER 345KV	513	-0.00021	-0.07422	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	MIPU	SOUTH HARPER 161KV	315	0.00068	-0.07521	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00085	-0.07368	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	EMDE	STATE LINE 161KV	503	0.00019	-0.07472	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00077	-0.0753	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	OKGE	TINKER 5G 138KV	31.99805	-0.00072	-0.07381	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.07422	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	WELETTKA 138KV	84	-0.00045	-0.07408	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	WELSH 345KV	1044	-0.00028	-0.07425	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	WILKES 138KV	349.5782	-0.00026	-0.07427	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	AEPW	WILKES 345KV	311	-0.00026	-0.07427	8
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00072	-0.06733	9
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WEPL	JUDSON LARGE 115KV	105.5424	-0.00025	-0.06728	9
WERE	GILL ENERGY CENTER 69KV	118	-0.07453	WERE	CITY OF WINFIELD 69KV	26.77	-0.01504	-0.05949	10
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	ABILENE ENERGY CENTER 115KV	40	-0.0005	-0.05119	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	AES 161KV	320	-0.0002	-0.05149	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	ARSENAL HILL 69KV	11.21387	-0.00023	-0.05146	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	ASBURY 161KV	191	0.00031	-0.052	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	BULL CREEK 161KV	308	0.0007	-0.05239	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CHANUTE 69KV	55.637	0.00013	-0.05299	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF AUGUSTA 69KV	24	0.00014	-0.05283	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF BURLINGTON 69KV	34.061	0.00233	-0.05402	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF ERIE 69KV	23.374	0.00013	-0.05299	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF GIRARD 69KV	4.592	0.00052	-0.05221	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00047	-0.05216	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF IOLA 69KV	24.471	0.00109	-0.05278	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF NEODESHA 69KV	4.495	0.00131	-0.053	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WEPL	CLIFTON 115KV	58.49084	-0.00023	-0.05146	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00233	-0.05402	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	COGENTRIX 345KV	200	-0.00031	-0.05138	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	COMANCHE 138KV	160	-0.00085	-0.05084	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	COMANCHE 69KV	63	-0.00085	-0.05084	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	EASTMAN 138KV	355.0058	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	ELK RIVER 345KV	150	0.00044	-0.05213	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	EMPORIA 345KV	310	0.00078	-0.05247	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	FITZHUGH 161KV	126	-0.00016	-0.05153	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	FLINT CREEK 161KV	428	-0.00008	-0.05161	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	FPLWIND2 34KV	23.001	-0.00121	-0.05048	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	FULTON 115KV	24.99999	-0.00024	-0.05145	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	GREENWOOD 161KV	169.9976	0.00062	-0.05231	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	HAWTHORN 161KV	769	0.00055	-0.05224	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00073	-0.05096	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	HORSESHOE LAKE 69KV	16	-0.00071	-0.05098	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	IATAN 345KV	396	0.00048	-0.05217	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00032	-0.05201	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00032	-0.05201	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	KNOXLEE 138KV	225	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	L&D13 69KV	11	-0.00019	-0.0515	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	LACYGNE UNIT 345KV	958	0.00102	-0.05271	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	LAKE ROAD 161KV	35	0.00041	-0.0521	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	LAKE ROAD 34KV	82	0.00041	-0.0521	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	LARUSSEL 161KV	116	0.00019	-0.05188	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	0.00066	-0.05235	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.05146	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	MARSHALL 161KV	15	0.00035	-0.05204	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	MCLAIN 138KV	478	-0.00075	-0.05094	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	MONTROSE 161KV	355.3524	0.00054	-0.05223	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	MUSKOGEE 161KV	166	-0.00026	-0.05143	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	MUSKOGEE 345KV	1516	-0.00029	-0.0514	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	MUSTANG 138KV	365.5	-0.00076	-0.05093	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	MUSTANG 69KV	106	-0.00077	-0.05092	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	NARROWS 69KV	22	-0.00032	-0.05137	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACY	NEARMAN 161KV	77	0.00059	-0.05228	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACY	NEARMAN 20KV	220	0.00059	-0.05228	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	NORTHEASTERN STATION 138KV	500	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	NORTHEASTERN STATION 345KV	645	-0.00011	-0.05158	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	OEC 345KV	219.0044	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	ONE OAK 345KV	300	-0.00084	-0.05085	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	OZARK BEACH 161KV	16	0.00011	-0.0518	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00077	-0.05246	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	PIRKEY GENERATION 138KV	490	-0.00025	-0.05144	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACY	QUINDARO 161KV	135.1816	0.00059	-0.05228	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	KACY	QUINDARO 69KV	140	0.00059	-0.05228	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	REDBUD 345KV	250.0063	-0.00071	-0.05098	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	RIVERSIDE STATION 138KV	640	-0.00031	-0.05138	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	RIVERTON 161KV	88.89612	0.00019	-0.05188	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	RIVERTON 69KV	42.51023	0.00018	-0.05187	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	SEMINOLE 138KV	482.8771	-0.00067	-0.05102	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	SEMINOLE 345KV	996	-0.00068	-0.05101	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	SIBLEY 161KV	231.5886	0.00054	-0.05223	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	SIBLEY 69KV	45.99999	0.00054	-0.05223	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	SMITH COGEN 138KV	120	-0.00076	-0.05093	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	SOONER 345KV	513	-0.00022	-0.05049	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIPU	SOUTH HARPER 161KV	315	0.00068	-0.05237	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00085	-0.05084	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	EMDE	STATE LINE 161KV	503	0.00019	-0.05188	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00077	-0.05246	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	TINKER 5G 138KV	31.99805	-0.00072	-0.05097	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.05138	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	AEPW	WELETTKA 138KV	84	-0.00045	-0.05124	11
WERE	CITY OF MULVANE 69KV	7.5	-0.						

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

WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	ABILENE ENERGY CENTER 115KV	40	-0.0005	-0.05226	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	AES 161KV	320	-0.0002	-0.05256	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	ARSENAL HILL 69KV	11.21387	-0.00023	-0.05253	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	ASBURY 161KV	191	0.00031	-0.05307	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	BJU CITY OF MCPHERSON 115KV	104.9443	-0.03172	-0.05194	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	BULL CREEK 161KV	308	0.0007	-0.05346	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CHANUTE 69KV	55.637	0.0013	-0.05408	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF AUGUSTA 69KV	24	0.00214	-0.0549	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF BURLINGTON 69KV	34.061	0.00233	-0.05509	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF ERIE 69KV	23.374	0.0013	-0.05406	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF GIRARD 69KV	4.592	0.00052	-0.05328	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00047	-0.05323	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF IOLA 69KV	24.471	0.00109	-0.05385	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF NEODESHA 69KV	4.495	0.00131	-0.05407	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WEPL	CLIFTON 115KV	58.49084	-0.00023	-0.05253	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00233	-0.05509	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	COGENTRIX 345KV	200	-0.00031	-0.05245	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	COMANCHE 138KV	160	-0.00085	-0.05191	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	COMANCHE 69KV	63	-0.00085	-0.05191	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	EASTMAN 138KV	355.0058	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	ELK RIVER 345KV	150	0.00044	-0.0532	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	EMPORIA 345KV	310	0.00078	-0.05354	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	FITZHUGH 161KV	126	-0.00016	-0.0526	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	FLINT CREEK 161KV	428	-0.0008	-0.05268	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	FPLWIND2 34KV	23.001	-0.00121	-0.05155	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	FULTON 115KV	24.99999	-0.00024	-0.05252	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	GREENWOOD 161KV	169.9976	0.00062	-0.05338	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	HAWTHORN 161KV	769	0.00055	-0.05331	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	HORSESHOE LAKE 138KV	851	-0.00073	-0.05203	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	HORSESHOE LAKE 69KV	16	-0.00071	-0.05205	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	IATAN 345KV	396	0.00048	-0.05324	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00032	-0.05308	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00032	-0.05308	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	KNOXLEE 138KV	225	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	L&D13 69KV	111	-0.00019	-0.05257	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	LACYONE UNIT 345KV	958	0.00162	-0.05378	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	LAKE ROAD 161KV	35	0.00041	-0.05317	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	LAKE ROAD 34KV	92	0.00041	-0.05317	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	LARUSSEL 161KV	116	0.00019	-0.05295	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	LAWRENCE ENERGY CENTER 230KV	233.477	0.00066	-0.05342	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.05253	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	MARSHALL 161KV	15	0.00035	-0.05311	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	MCCLAIN 138KV	478	-0.00075	-0.05201	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	MCINTOSH 161KV	355.324	0.00054	-0.0533	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	MUSKOGEE 161KV	166	-0.00026	-0.0526	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	MUSKOGEE 345KV	1516	-0.00029	-0.05247	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	MUSTANG 138KV	365.5	-0.00076	-0.052	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	MUSTANG 69KV	106	-0.00077	-0.05199	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	NARROWS 69KV	22	-0.00032	-0.05244	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACY	NEARMAN 161KV	77	0.00059	-0.05335	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACY	NEARMAN 20KV	220	0.00059	-0.05335	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	NORTHEASTERN STATION 138KV	500	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	NORTHEASTERN STATION 345KV	645	-0.00011	-0.05265	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	OEC 345KV	219.0004	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	ONE OAK 345KV	300	-0.00084	-0.05192	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	OZARK BEACH 161KV	16	0.00011	-0.05287	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00077	-0.05353	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	PIRKEY GENERATION 138KV	490	-0.00025	-0.05251	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACY	QUINDARO 161KV	135.1816	0.00059	-0.05335	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	KACY	QUINDARO 69KV	140	0.00059	-0.05335	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	REDBUD 345KV	250.0003	-0.00071	-0.05205	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	RIVERSIDE STATION 138KV	640	-0.00031	-0.05245	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	RIVERTON 161KV	88.9612	0.00019	-0.05295	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	RIVERTON 69KV	42.51023	0.00038	-0.05294	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	SEMINOLE 138KV	482.8771	-0.00067	-0.05209	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	SEMINOLE 345KV	996	-0.00068	-0.05208	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	SIBLEY 161KV	231.5886	0.00054	-0.0533	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	SIBLEY 69KV	45.99999	0.00054	-0.0533	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	SMITH COGEN 138KV	120	-0.00076	-0.052	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	SMOKEY HILLS 34KV	152	-0.00145	-0.05131	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	SOONER 138KV	505	-0.00022	-0.05056	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	SOONER 345KV	513	-0.00012	-0.05156	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIPU	SOUTH HARPER 161KV	315	0.00068	-0.05344	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00085	-0.05191	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	EMDE	STEELE LINE 161KV	503	0.00019	-0.05353	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	TECUMSEH ENERGY CENTER 115KV	108	0.00077	-0.05353	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	OKGE	TINKER 5G 138KV	31.99805	-0.00072	-0.05204	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.05245	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	WELEETKA 138KV	84	-0.00045	-0.05231	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	WELSH 345KV	1044	-0.00028	-0.05248	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	WILKES 138KV	349.5782	-0.00026	-0.0525	11
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	AEPW	WILKES 345KV	311	-0.00026	-0.0525	11
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.004	-0.04769	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	BJU CITY OF MCPHERSON 115KV	104.9443	-0.03172	-0.04897	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	EVANS ENERGY CENTER 138KV	340	-0.00357	-0.04812	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00256	-0.04913	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00239	-0.0493	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	SMOKEY HILLS 34KV	152	-0.00145	-0.05024	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	OKGE	SOONER 138KV	505	-0.00022	-0.04949	12
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.004	-0.04876	12
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	EVANS ENERGY CENTER 138KV	340	-0.00357	-0.04919	12
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00256	-0.0502	12
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00239	-0.05037	12
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WEPL	GRAY COUNTY WIND FARM 115KV	80	-0.0072	-0.04449	13
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WEPL	JUDSON LARGE 115KV	105.5424	-0.00725	-0.04444	13
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WEPL	GRAY COUNTY WIND FARM 115KV	80	-0.0072	-0.04556	13
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WEPL	JUDSON LARGE 115KV	105.5424	-0.00725	-0.04551	13
WEPL	HARPER 138KV	17.21	-0.03868	WERE	CHANUTE 69KV	55.637	0.0013	-0.03998	14
WEPL	HARPER 138KV	17.21	-0.03868	WERE	CITY OF AUGUSTA 69KV	24	0.00214	-0.04082	14
WEPL	HARPER 138KV	17.21	-0.03868	WERE	CITY OF BURLINGTON 69KV	34.061	0.00233	-0.04101	14
WEPL	HARPER 138KV	17.21	-0.03868	WERE	CITY OF ERIE 69KV	23.374	0.0013	-0.03998	14
WEPL	HARPER 138KV	17.21	-0.03868	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00233	-0.04101	14
WERE	GILL ENERGY CENTER 138KV	84.9999	-0.05276	WERE	CITY OF WINFIELD 69KV	26.77	-0.01504	-0.03772	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	ABILENE ENERGY CENTER 115KV	40	-0.0005	-0.03818	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	AES 161KV	320	-0.0002	-0.03845	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	ARSENAL HILL 69KV	11.21387	-0.00023	-0.03845	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	ASBURY 161KV	191	0.00031	-0.03899	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	BULL CREEK 161KV	308	0.0007	-0.03938	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00047	-0.03915	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	CITY OF IOLA 69KV	24.471	0.00109	-0.03977	15
WEPL	HARPER 138KV	17.21	-0.03868	WEPL	CLIFTON 115KV	58.49084	-0.00023	-0.03845	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	COGENTRIX 345KV	2			

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

WEPL	HARPER 138KV	17.21	-0.03868	AEPW	FLINT CREEK 161KV	428	-0.0008	-0.0386	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	FPLWIND2 34KV	23.001	-0.00121	-0.03747	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	FULTON 115KV	24.9999	-0.00024	-0.03844	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	GREENWOOD 161KV	169.9976	0.00062	-0.0393	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	HAWTHORN 161KV	769	0.00065	-0.03923	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00073	-0.03795	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	HORSESHOE LAKE 69KV	16	-0.00071	-0.03797	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	IATAN 345KV	396	0.00048	-0.03916	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00032	-0.039	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00032	-0.039	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	KNOXLEE 138KV	225	-0.00025	-0.03843	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	L&D13 69KV	11	-0.00019	-0.03849	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	LACYGNE UNIT 345KV	958	0.00102	-0.0397	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	LAKE ROAD 161KV	35	0.00041	-0.03909	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	LAKE ROAD 34KV	92	0.00041	-0.03909	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	LARUSSEL 161KV	116	0.00019	-0.03847	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	0.00066	-0.03934	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.03843	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.03845	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	MARSHALL 161KV	15	0.00035	-0.03903	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	MCCLAIN 138KV	478	-0.00075	-0.03793	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	MONTROSE 161KV	355.3524	0.00054	-0.03922	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	MUSKOGEE 161KV	166	-0.00026	-0.03842	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	MUSKOGEE 345KV	1516	-0.00029	-0.03839	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	MUSTANG 138KV	365.5	-0.00078	-0.03792	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	MUSTANG 69KV	106	-0.00077	-0.03791	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	NARROWS 69KV	22	-0.00032	-0.03836	15
WEPL	HARPER 138KV	17.21	-0.03868	KACY	NEARMAN 161KV	77	0.00059	-0.03927	15
WEPL	HARPER 138KV	17.21	-0.03868	KACY	NEARMAN 20KV	220	0.00059	-0.03927	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	NORTHEASTERN STATION 138KV	500	-0.00025	-0.03843	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	NORTHEASTERN STATION 345KV	645	-0.00011	-0.03857	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	OEC 345KV	219.0044	-0.00025	-0.03843	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	ONE OAK 345KV	300	-0.00084	-0.03784	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	OZARK BEACH 161KV	16	0.00011	-0.03879	15
WEPL	HARPER 138KV	17.21	-0.03868	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00077	-0.03945	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	PIRKEY GENERATION 138KV	490	-0.00025	-0.03843	15
WEPL	HARPER 138KV	17.21	-0.03868	KACY	QUINDARO 161KV	135.1816	0.00059	-0.03927	15
WEPL	HARPER 138KV	17.21	-0.03868	KACY	QUINDARO 69KV	140	0.00059	-0.03927	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	REDBUD 345KV	250.0063	-0.00071	-0.03797	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	RIVERSIDE STATION 138KV	640	-0.00031	-0.03837	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	RIVERTON 161KV	88.89612	0.00019	-0.03887	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	RIVERTON 69KV	42.51023	0.00018	-0.03886	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	SEMINOLE 138KV	482.8771	-0.00067	-0.03801	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	SEMINOLE 345KV	996	-0.00068	-0.038	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	SIBLEY 161KV	231.5886	0.00054	-0.03922	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	SIBLEY 69KV	45.99999	0.00054	-0.03922	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	SMITH COGEN 138KV	120	-0.00076	-0.03792	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	SOONER 345KV	513	-0.0012	-0.03748	15
WEPL	HARPER 138KV	17.21	-0.03868	MIPU	SOUTH HARPER 161KV	315	0.00068	-0.03936	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00085	-0.03783	15
WEPL	HARPER 138KV	17.21	-0.03868	EMDE	STATE LINE 161KV	503	0.00019	-0.03887	15
WEPL	HARPER 138KV	17.21	-0.03868	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00077	-0.03945	15
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	TINKER 5G 138KV	31.99805	-0.00072	-0.03796	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.03837	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	WLEETKA 138KV	84	-0.00045	-0.03923	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	WELSH 345KV	1044	-0.00028	-0.0384	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	WILKES 138KV	349.5782	-0.00026	-0.03842	15
WEPL	HARPER 138KV	17.21	-0.03868	AEPW	WILKES 345KV	311	-0.00026	-0.03842	15
WERE	CITY OF MULVANE 69KV	7.5	-0.05169	WERE	CITY OF WINFIELD 69KV	26.77	-0.01504	-0.03665	16
WEPL	HARPER 138KV	17.21	-0.03868	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.00172	-0.03696	16
WEPL	HARPER 138KV	17.21	-0.03868	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.00256	-0.03612	16
WEPL	HARPER 138KV	17.21	-0.03868	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.00239	-0.03629	16
WEPL	HARPER 138KV	17.21	-0.03868	WERE	SMOKEY HILLS 34KV	152	-0.00145	-0.03723	16
WEPL	HARPER 138KV	17.21	-0.03868	OKGE	SOONER 138KV	505	-0.00022	-0.03648	16
WEPL	HARPER 138KV	17.21	-0.03868	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.004	-0.03468	17
WEPL	HARPER 138KV	17.21	-0.03868	WERE	EVANS ENERGY CENTER 138KV	340	-0.00357	-0.03511	17
WEPL	HARPER 138KV	17.21	-0.03868	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00072	-0.03148	18
WEPL	HARPER 138KV	17.21	-0.03868	WEPL	JUDSON LARGE 115KV	105.5424	-0.000725	-0.03143	18

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: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Dismiling Facility: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Direction: To->From
 Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
 Flowgate: 59223592101591985920013108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162075	7.2	14.3
1162678	3.6	14.3
1162681	3.6	14.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	GREENWOOD 161KV	255.8	-0.23296	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.35919	40
MIPU	ARIES 161KV	595	-0.22314	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.34937	41
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.29578	48
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	LACYGNE UNIT 345KV	958	0.06152	-0.29448	49
MIPU	ARIES 161KV	595	-0.22314	KACP	LACYGNE UNIT 345KV	958	0.06152	-0.28466	50
MIPU	ARIES 161KV	595	-0.22314	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.28596	50
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	BULL CREEK 161KV	308	0.05516	-0.28812	50
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CITY OF BURLINGTON 69KV	34.061	0.0514	-0.28436	50
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.0514	-0.28436	50
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	EMPORIA 345KV	310	0.05053	-0.28349	51
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.28249	51
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.27921	51
MIPU	ARIES 161KV	595	-0.22314	KACP	BULL CREEK 161KV	308	0.05516	-0.2783	52
MIPU	ARIES 161KV	595	-0.22314	WERE	CITY OF BURLINGTON 69KV	34.061	0.0514	-0.27454	52
MIPU	ARIES 161KV	595	-0.22314	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.0514	-0.27454	52
MIPU	ARIES 161KV	595	-0.22314	WERE	EMPORIA 345KV	310	0.05053	-0.27367	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	ABILENE ENERGY CENTER 115KV	40	0.04334	-0.2763	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.04029	-0.27325	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CITY OF AUGUSTA 69KV	24	0.04156	-0.27452	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.27518	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	GILL ENERGY CENTER 138KV	155	0.04174	-0.2747	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	GILL ENERGY CENTER 69KV	45	0.04171	-0.27467	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.2766	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.27543	52
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	WACO 138KV	17.967	0.04179	-0.27475	52
MIPU	ARIES 161KV	595	-0.22314	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.27267	53
MIPU	ARIES 161KV	595	-0.22314	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.26939	53
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CITY OF WINFIELD 69KV	26.77	0.03715	-0.27011	53
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	HUTCHINSON ENERGY CENTER 115KV	205	0.03937	-0.2724	53
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03937	-0.27233	53
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	SMOKEY HILLS 34KV	101	0.03956	-0.27252	53
MIPU	ARIES 161KV	595	-0.22314	WERE	ABILENE ENERGY CENTER 115KV	40	0.04334	-0.26648	54

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

MIPU	ARIES 161KV	595	-0.22314	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.04209	-0.26343	54
MIPU	ARIES 161KV	595	-0.22314	WERE	CITY OF AUGUSTA 69KV	24	0.04156	-0.2647	54
MIPU	ARIES 161KV	595	-0.22314	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.26536	54
MIPU	ARIES 161KV	595	-0.22314	WERE	GILL ENERGY CENTER 138KV	155	0.04174	-0.26488	54
MIPU	ARIES 161KV	595	-0.22314	WERE	GILL ENERGY CENTER 69KV	45	0.04171	-0.26485	54
MIPU	ARIES 161KV	595	-0.22314	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.26578	54
MIPU	ARIES 161KV	595	-0.22314	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.26561	54
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CHANUTE 69KV	55.637	0.0339	-0.26886	54
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CITY OF ERIE 69KV	23.374	0.0339	-0.26886	54
MIPU	GREENWOOD 161KV	255.8	-0.23296	WERE	CITY OF IOLA 69KV	24.471	0.03474	-0.2677	54
MIPU	ARIES 161KV	595	-0.22314	WERE	CITY OF WINFIELD 69KV	26.77	0.03715	-0.26029	55
MIPU	ARIES 161KV	595	-0.22314	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03938	-0.26252	55
MIPU	ARIES 161KV	595	-0.22314	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03937	-0.26251	55
MIPU	ARIES 161KV	595	-0.22314	WERE	SMOKEY HILLS 34KV	101	0.03956	-0.2627	55
MIPU	ARIES 161KV	595	-0.22314	WERE	CHANUTE 69KV	55.637	0.0339	-0.26704	56
MIPU	ARIES 161KV	595	-0.22314	WERE	CITY OF ERIE 69KV	23.374	0.0339	-0.26704	56
MIPU	ARIES 161KV	595	-0.22314	WERE	CITY OF IOLA 69KV	24.471	0.03474	-0.26788	56
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	IATAN 345KV	396	0.02094	-0.2539	56
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	KEYSTONE DAM 161KV	150.6	0.02205	-0.25501	56
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	DENISON 138KV	59.99999	0.02082	-0.25378	57
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	EUFULA 138KV	51	0.0173	-0.25026	57
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	EUFULA 161KV	69.8	0.0173	-0.25026	57
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	WEBBERS FALLS 161KV	39.2	0.01749	-0.25045	57
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	BEAVER 161KV	140.2382	0.01463	-0.24759	58
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	BROKEN BOW 138KV	93.6	0.01551	-0.24847	58
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	CARTHAGE 69KV	32	0.01516	-0.24812	58
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	ROBERT S. KERR 161KV	314.8	0.0145	-0.24746	58
MIPU	ARIES 161KV	595	-0.22314	SWPA	DENISON 138KV	59.99999	0.02082	-0.24396	59
MIPU	ARIES 161KV	595	-0.22314	KACP	IATAN 345KV	396	0.02094	-0.24408	59
MIPU	ARIES 161KV	595	-0.22314	SWPA	KEYSTONE DAM 161KV	150.6	0.02205	-0.24519	59
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	OZARK 161KV	150.6	0.01196	-0.24492	59
MIPU	ARIES 161KV	595	-0.22314	SWPA	BEAVER 161KV	140.2382	0.01463	-0.23777	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	BROKEN BOW 138KV	93.6	0.01551	-0.23865	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	CARTHAGE 69KV	32	0.01516	-0.2383	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	EUFULA 138KV	51	0.0173	-0.24044	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	EUFULA 161KV	69.8	0.0173	-0.24044	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	ROBERT S. KERR 161KV	314.8	0.0145	-0.23764	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	WEBBERS FALLS 161KV	39.2	0.01749	-0.24063	60
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	BULL SHOALS 161KV	279.4	0.00591	-0.23887	60
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	GREERS FERRY 161KV	93.6	0.00511	-0.23807	60
MIPU	ARIES 161KV	595	-0.22314	SWPA	OZARK 161KV	150.6	0.01196	-0.2351	61
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	JONESBORO 161KV	43	0.00135	-0.23431	61
MIPU	GREENWOOD 161KV	255.8	-0.23296	MIPU	LAKE ROAD 161KV	35	-0.00267	-0.23029	62
MIPU	GREENWOOD 161KV	255.8	-0.23296	MIPU	LAKE ROAD 34KV	92	-0.00267	-0.23029	62
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	SIKESTON 161KV	235	-0.00222	-0.23074	62
MIPU	ARIES 161KV	595	-0.22314	SWPA	BULL SHOALS 161KV	279.4	0.00591	-0.22905	63
MIPU	ARIES 161KV	595	-0.22314	SWPA	GREERS FERRY 161KV	93.6	0.00511	-0.22825	63
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	HAWTHORN 161KV	769	-0.00387	-0.22909	63
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	MONTROSE 161KV	357.2199	-0.00532	-0.22764	63
MIPU	ARIES 161KV	595	-0.22314	SWPA	JONESBORO 161KV	43	0.00135	-0.22449	64
MIPU	ARIES 161KV	595	-0.22314	KACP	HAWTHORN 161KV	769	-0.00387	-0.21927	65
MIPU	ARIES 161KV	595	-0.22314	MIPU	LAKE ROAD 161KV	35	-0.00267	-0.22047	65
MIPU	ARIES 161KV	595	-0.22314	MIPU	LAKE ROAD 34KV	92	-0.00267	-0.22047	65
MIPU	ARIES 161KV	595	-0.22314	SWPA	SIKESTON 161KV	235	-0.00222	-0.22092	65
MIPU	RALPH GREEN 69KV	73.7	-0.09278	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.21901	85
MIPU	ARIES 161KV	595	-0.22314	KACP	MONTROSE 161KV	357.2199	-0.00532	-0.21782	66
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.01619	-0.21677	66
MIPU	GREENWOOD 161KV	255.8	-0.23296	SWPA	TRUMAN 161KV	102	-0.01935	-0.21361	67
MIPU	ARIES 161KV	595	-0.22314	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.01619	-0.20995	69
MIPU	ARIES 161KV	595	-0.22314	SWPA	TRUMAN 161KV	102	-0.01935	-0.20379	70
MIPU	GREENWOOD 161KV	255.8	-0.23296	INDN	SUB H 69KV	38.78607	-0.03847	-0.19449	74
MIPU	GREENWOOD 161KV	255.8	-0.23296	INDN	MOCT 69KV	26	-0.04062	-0.19234	75
MIPU	ARIES 161KV	595	-0.22314	INDN	SUB H 69KV	38.78607	-0.03847	-0.18467	78
MIPU	GREENWOOD 161KV	255.8	-0.23296	INDN	BLUE VALLEY 69KV	85.38441	-0.04807	-0.18489	78
MIPU	ARIES 161KV	595	-0.22314	INDN	BLUE VALLEY 69KV	85.38441	-0.04807	-0.17507	82
INDN	SUBSTATION J 69KV	30	-0.04189	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.16812	85
KACP	MARSHALL 161KV	54.1	-0.03827	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.1645	87
INDN	SUB I 69KV	38	-0.03805	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.16428	87
MIPU	GREENWOOD 161KV	255.8	-0.23296	MIPU	SIBLEY 69KV	45.99999	-0.07172	-0.16124	89
MIPU	RALPH GREEN 69KV	73.7	-0.09278	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.1556	92
MIPU	RALPH GREEN 69KV	73.7	-0.09278	KACP	LACYGNE UNIT 345KV	958	0.06152	-0.1543	93
MIPU	ARIES 161KV	595	-0.22314	MIPU	SIBLEY 69KV	45.99999	-0.07172	-0.15142	95
MIPU	GREENWOOD 161KV	255.8	-0.23296	KACP	CITY OF HIGGINSVILLE 69KV	35	-0.08378	-0.14918	96
MIPU	RALPH GREEN 69KV	73.7	-0.09278	KACP	BULL CREEK 161KV	308	0.05516	-0.14794	97
MIPU	GREENWOOD 161KV	255.8	-0.23296	MIPU	SIBLEY 69KV	230.5683	-0.08377	-0.14459	98
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	CITY OF BURLINGTON 69KV	34.061	0.0514	-0.14418	99
SWPA	TRUMAN 161KV	78.00002	-0.01935	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.14589	99
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	EMPORIA 345KV	312	0.05053	-0.14331	100
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.14231	101
MIPU	ARIES 161KV	595	-0.22314	KACP	CITY OF HIGGINSVILLE 69KV	35	-0.08378	-0.13936	103
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.13903	103
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	ABILENE ENERGY CENTER 115KV	40	0.04334	-0.13612	105
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.13642	105
MIPU	ARIES 161KV	595	-0.22314	MIPU	SIBLEY 161KV	230.5683	-0.08377	-0.13477	106
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.135	106
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.13528	106
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	GILL ENERGY CENTER 138KV	155	0.04174	-0.13452	107
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	GILL ENERGY CENTER 69KV	45	0.04171	-0.13449	107
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.04209	-0.13307	108
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	SMOKEY HILLS 34KV	101	0.03956	-0.13234	108
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03938	-0.13216	109
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03937	-0.13215	109
MIPU	LAKE ROAD 161KV	91	-0.0267	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.1289	111
MIPU	RALPH GREEN 69KV	73.7	-0.09278	WERE	CHANUTE 69KV	55.637	0.0339	-0.12668	113
KACP	NORTHEAST 13KV	200.9136	0.00409	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.12214	117
KACP	NORTHEAST 161KV	229	0.00409	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.12214	117
SWPA	BULL SHOALS 161KV	110.2	0.00591	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.12032	119
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	KEYSTONE DAM 161KV	150.6	0.02205	-0.11483	125
SWPA	OZARK 161KV	44.9	0.01196	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.11427	126
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	DENISON 138KV	59.99999	0.02082	-0.1136	126
MIPU	RALPH GREEN 69KV	73.7	-0.09278	KACP	IATAN 345KV	396	0.02094	-0.11372	126
SWPA	ROBERT S. KERR 161KV	73.90001	0.0145	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.11173	128
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	EUFULA 138KV	51	0.0173	-0.11008	130
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	EUFULA 161KV	69.8	0.0173	-0.11008	130
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	BROKEN BOW 138KV	93.6	0.01551	-0.10929	132
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	BEAVER 161KV	140.2382	0.01463	-0.10741	134
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	ROBERT S. KERR 161KV	314.8	0.0145	-0.10728	134
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	OZARK 161KV	150.6	0.01196	-0.10474	137
SWPA	KEYSTONE DAM 161KV	49.60001	0.02205	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.10418	138
KACP	MARSHALL 161KV	54.1	-0.03827	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.10109	142
KACP	MARSHALL 161KV	54.1	-0.03827	KACP	LACYGNE UNIT 345KV	958	0.06152	-0.09979	144
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	BULL SHOALS 161KV	279.4	0.00591	-0.09869	145
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	GREERS FERRY 161KV	93.6	0.00511	-0.09789	147
KACP	MARSHALL 161KV	54.1	-0.03827	KACP	BULL CREEK 161KV	308	0.05516	-0.09343	154
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	SIKESTON 161KV	235	-0.00222	-0.09056	158
MIPU	RALPH GREEN 69KV	73.7	-0.09278	MIPU	LAKE ROAD 34KV	92	-0.00267	-0.09011	159

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

WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.03938	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.08685	165
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04174	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.08449	170
WERE	EVANS ENERGY CENTER 138KV	217	0.04222	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.08401	171
SWPA	TRUMAN 161KV	78.00002	-0.01935	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.08217	175
SWPA	TRUMAN 161KV	78.00002	-0.01935	KACP	LACYGNE UNIT 345KV	958	0.05152	-0.09087	177
WERE	EMPORIA 345KV	518	0.05053	MIPU	SOUTH HARPER 161KV	280.5225	0.12623	-0.0757	189
SWPA	TRUMAN 161KV	78.00002	-0.01935	KACP	BULL CREEK 161KV	308	0.05516	-0.07451	193
MIPU	RALPH GREEN 69KV	73.7	-0.09278	SWPA	TRUMAN 161KV	102	-0.01935	-0.07343	195
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	EMPORIA 345KV	310	0.05053	-0.06988	205
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.06888	208
MIPU	LAKE ROAD 161KV	91	-0.00267	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.06282	-0.06549	219
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.0656	219
MIPU	LAKE ROAD 161KV	91	-0.00267	KACP	LACYGNE UNIT 345KV	958	0.05152	-0.06419	223
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.06299	228
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.06182	232
SWPA	TRUMAN 161KV	78.00002	-0.01935	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.06157	233
MIPU	LAKE ROAD 161KV	91	-0.00267	KACP	BULL CREEK 161KV	308	0.05516	-0.05783	248
KACP	NORTHEAST 13KV	200.9136	0.00409	KACP	LACYGNE UNIT 345KV	958	0.05152	-0.05743	250
KACP	NORTHEAST 161KV	229	0.00409	KACP	LACYGNE UNIT 345KV	958	0.05152	-0.05743	250
SWPA	BULL SHOALS 161KV	110.2	0.00591	KACP	LACYGNE UNIT 345KV	958	0.05152	-0.05561	258
MIPU	LAKE ROAD 161KV	91	-0.00267	WERE	EMPORIA 345KV	310	0.05053	-0.0532	270
KACP	NORTHEAST 13KV	200.9136	0.00409	KACP	BULL CREEK 161KV	308	0.05516	-0.05107	281
KACP	NORTHEAST 161KV	229	0.00409	KACP	BULL CREEK 161KV	308	0.05516	-0.05107	281
SWPA	BULL SHOALS 161KV	110.2	0.00591	KACP	BULL CREEK 161KV	308	0.05516	-0.04925	291
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	EMPORIA 345KV	310	0.05053	-0.04844	309
KACP	NORTHEAST 161KV	229	0.00409	WERE	EMPORIA 345KV	310	0.05053	-0.04844	309
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.04544	316
KACP	NORTHEAST 161KV	229	0.00409	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.04544	316
SWPA	BULL SHOALS 161KV	110.2	0.00591	WERE	EMPORIA 345KV	310	0.05053	-0.04462	321
SWPA	BULL SHOALS 161KV	110.2	0.00591	WERE	LAWRENCE ENERGY CENTER 230KV	224.1219	0.04953	-0.04362	329
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.04216	340
KACP	NORTHEAST 161KV	229	0.00409	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04625	-0.04216	340
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.03955	363
KACP	NORTHEAST 161KV	229	0.00409	WERE	JEFFREY ENERGY CENTER 230KV	470	0.04364	-0.03955	363
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.03838	374
KACP	NORTHEAST 161KV	229	0.00409	WERE	JEFFREY ENERGY CENTER 345KV	940	0.04247	-0.03838	374
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.03813	376
KACP	NORTHEAST 161KV	229	0.00409	WERE	EVANS ENERGY CENTER 138KV	510	0.04222	-0.03813	376
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	GILL ENERGY CENTER 138KV	155	0.04174	-0.03765	381
KACP	NORTHEAST 161KV	229	0.00409	WERE	GILL ENERGY CENTER 138KV	155	0.04174	-0.03765	381
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.04029	-0.0362	396
KACP	NORTHEAST 161KV	229	0.00409	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.04029	-0.0362	396
KACP	NORTHEAST 13KV	200.9136	0.00409	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03938	-0.03529	406
KACP	NORTHEAST 161KV	229	0.00409	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03938	-0.03529	406

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: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Limiting Facility: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Direction: To->From
 Line Outage: DUNCAN ROAD - SIBLEY 161KV CKT 1
 Flowgate: 5922359210159235920212108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1162075	5.4	10.6	MIPU	'GREENWOOD 161KV'	255.8	-0.23388	MIPU	'SOUTH HARPER 161KV'	280.4871	0.06546	-0.29934	35
1162678	2.6	10.6	MIPU	'ARIES 161KV'	595	-0.21072	MIPU	'SOUTH HARPER 161KV'	280.4871	0.06546	-0.27618	38
1162681	2.6	10.6	MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'BULL CREEK 161KV'	308	0.03515	-0.26903	39
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.03133	-0.26521	40
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.02186	-0.25574	41
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.01865	-0.25253	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.01767	-0.25155	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.01728	-0.25116	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.01728	-0.25116	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'EMPORIA 345KV'	310	0.01825	-0.25213	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'HAWTHORN 161KV'	769	0.01727	-0.25115	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.01723	-0.25111	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.01723	-0.25111	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'IATAN 345KV'	396	0.01911	-0.25299	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01988	-0.25376	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02004	-0.25392	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'LACYGNE UNIT 345KV'	958	0.02043	-0.25431	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	KACP	'NORTHEAST 13KV'	32.0542	0.02027	-0.25415	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'SMOKEY HILLS 34KV'	152	0.01756	-0.25144	42
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.02025	-0.25413	42
			MIPU	'ARIES 161KV'	595	-0.21072	KACP	'BULL CREEK 161KV'	308	0.03515	-0.24587	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CHANUTE 69KV'	55.637	0.0117	-0.24558	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CITY OF AUGUSTA 69KV'	24	0.01434	-0.24822	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CITY OF ERIE 69KV'	23.374	0.0117	-0.24558	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CITY OF IOLA 69KV'	24.471	0.01244	-0.24632	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'CITY OF WINFIELD 69KV'	26.77	0.01262	-0.2465	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'EVANS ENERGY CENTER 138KV'	510	0.01454	-0.24842	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'GILL ENERGY CENTER 138KV'	155	0.01443	-0.24831	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'GILL ENERGY CENTER 69KV'	45	0.01439	-0.24827	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	MIPU	'LAKE ROAD 161KV'	35	0.01155	-0.24543	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	MIPU	'LAKE ROAD 34KV'	92	0.01155	-0.24543	43
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	WERE	'WACO 138KV'	17.987	0.01444	-0.24532	43
			MIPU	'ARIES 161KV'	595	-0.21072	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.03133	-0.24205	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'BROKEN BOW 138KV'	93.6	0.00486	-0.23874	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'DENISON 138KV'	59.99999	0.00672	-0.2406	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'EUFULA 138KV'	51	0.00514	-0.23902	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'EUFULA 161KV'	69.8	0.00514	-0.23902	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'KEYSTONE DAM 161KV'	150.6	0.00665	-0.24053	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'ROBERT S. KERR 161KV'	314.8	0.0042	-0.23808	44
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'WEBBERS FALLS 161KV'	39.2	0.00515	-0.23903	44
			MIPU	'ARIES 161KV'	595	-0.21072	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.02186	-0.23258	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'BEAVER SHOALS 161KV'	139.4955	0.00289	-0.23887	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'BULL SHOALS 161KV'	279.4	0.00026	-0.23414	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'CARTHAGE 69KV'	32	0.00168	-0.23556	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'GREERS FERRY 161KV'	93.6	0.00106	-0.23494	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'JONESBORO 161KV'	63	-0.00006	-0.23382	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'OZARK 161KV'	150.6	0.00334	-0.23722	45
			MIPU	'GREENWOOD 161KV'	255.8	-0.23388	SWPA	'SIKESTON 161KV'	235	-0.0011	-0.23278	45

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

MIPU	ARIES 161KV	595	-0.21072	KACP	IATAN 345KV	396	0.01911	-0.22983	46
MIPU	ARIES 161KV	595	-0.21072	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01988	-0.2306	46
MIPU	ARIES 161KV	595	-0.21072	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02004	-0.23076	46
MIPU	ARIES 161KV	595	-0.21072	KACP	LACYGNE UNIT 345KV	958	0.02043	-0.23115	46
MIPU	ARIES 161KV	595	-0.21072	KACP	NORTHEAST 13KV	32	0.02027	-0.23099	46
MIPU	ARIES 161KV	595	-0.21072	WERE	SMOKEY HILLS 34KV	152	0.01756	-0.23028	46
MIPU	ARIES 161KV	595	-0.21072	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.02025	-0.23097	46
MIPU	GREENWOOD 161KV	255.8	-0.23388	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00563	-0.22825	46
MIPU	GREENWOOD 161KV	255.8	-0.23388	INDN	MOCT 69KV	26	-0.00224	-0.23164	46
MIPU	ARIES 161KV	595	-0.21072	WERE	CITY OF AUGUSTA 69KV	24	0.01434	-0.22506	47
MIPU	ARIES 161KV	595	-0.21072	WERE	CITY OF IOLA 69KV	24.471	0.01244	-0.22316	47
MIPU	ARIES 161KV	595	-0.21072	WERE	CITY OF WINFIELD 69KV	26.77	0.01262	-0.22334	47
MIPU	ARIES 161KV	595	-0.21072	WERE	EVANS ENERGY CENTER 138KV	510	0.01454	-0.22526	47
MIPU	ARIES 161KV	595	-0.21072	WERE	GILL ENERGY CENTER 138KV	155	0.01443	-0.22515	47
MIPU	ARIES 161KV	595	-0.21072	WERE	GILL ENERGY CENTER 69KV	45	0.01439	-0.22511	47
MIPU	ARIES 161KV	595	-0.21072	WERE	WACO 138KV	17.967	0.01444	-0.22516	47
MIPU	GREENWOOD 161KV	255.8	-0.23388	KACP	MONTROSE 161KV	362.4643	-0.01005	-0.22383	47
MIPU	ARIES 161KV	595	-0.21072	WERE	CHANUTE 69KV	55.637	0.0117	-0.22242	48
MIPU	ARIES 161KV	595	-0.21072	WERE	CITY OF ERIE 69KV	23.374	0.0117	-0.22242	48
MIPU	ARIES 161KV	595	-0.21072	MIPU	LAKE ROAD 161KV	35	0.01155	-0.22227	48
MIPU	ARIES 161KV	595	-0.21072	MIPU	LAKE ROAD 34KV	92	0.01155	-0.22227	48
MIPU	GREENWOOD 161KV	255.8	-0.23388	MIPU	SIBLEY 69KV	45.99999	-0.01235	-0.22153	48
MIPU	GREENWOOD 161KV	255.8	-0.23388	INDN	SUB H 69KV	38.78607	-0.01192	-0.22196	48
MIPU	ARIES 161KV	595	-0.21072	SWPA	BROKEN BOW 138KV	93.6	0.00486	-0.21558	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	DENISON 138KV	59.59999	0.00672	-0.21744	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	EUFULA 138KV	51	0.00514	-0.21588	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	EUFULA 161KV	69.8	0.00514	-0.21588	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	KEYSTONE DAM 161KV	150.6	0.00665	-0.21737	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	OZARK 161KV	150.6	0.00334	-0.21406	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	ROBERT S. KERR 161KV	314.8	0.0042	-0.21492	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	WEBBERS FALLS 161KV	39.2	0.00515	-0.21587	49
MIPU	GREENWOOD 161KV	255.8	-0.23388	MIPU	SIBLEY 161KV	230.3706	-0.01684	-0.21704	49
MIPU	GREENWOOD 161KV	255.8	-0.23388	SWPA	TRUMAN 161KV	102	-0.01682	-0.21706	49
MIPU	ARIES 161KV	595	-0.21072	SWPA	BEAVER 161KV	139.4955	0.00299	-0.21371	50
MIPU	ARIES 161KV	595	-0.21072	SWPA	BULL SHOALS 161KV	279.4	0.00208	-0.21098	50
MIPU	ARIES 161KV	595	-0.21072	SWPA	CARTHAGE 69KV	32	0.00168	-0.21124	50
MIPU	ARIES 161KV	595	-0.21072	SWPA	GREERS FERRY 161KV	93.6	0.00106	-0.21178	50
MIPU	ARIES 161KV	595	-0.21072	SWPA	JONESBORO 161KV	63	-0.00006	-0.21066	50
MIPU	ARIES 161KV	595	-0.21072	SWPA	SIKESTON 161KV	235	-0.0011	-0.20962	50
MIPU	GREENWOOD 161KV	255.8	-0.23388	INDN	BLUE VALLEY 69KV	85.10918	-0.02097	-0.21291	50
MIPU	ARIES 161KV	595	-0.21072	INDN	MOCT 69KV	26	-0.00224	-0.20848	51
MIPU	ARIES 161KV	595	-0.21072	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00563	-0.20509	52
MIPU	ARIES 161KV	595	-0.21072	KACP	MONTROSE 161KV	362.4643	-0.01005	-0.20067	53
MIPU	ARIES 161KV	595	-0.21072	MIPU	SIBLEY 69KV	45.99999	-0.01235	-0.19837	53
MIPU	ARIES 161KV	595	-0.21072	INDN	SUB H 69KV	38.78607	-0.01192	-0.19688	53
MIPU	ARIES 161KV	595	-0.21072	MIPU	SIBLEY 161KV	230.3706	-0.01684	-0.19388	55
MIPU	ARIES 161KV	595	-0.21072	SWPA	TRUMAN 161KV	102	-0.01682	-0.1939	55
MIPU	ARIES 161KV	595	-0.21072	INDN	BLUE VALLEY 69KV	85.10918	-0.02097	-0.18975	56
MIPU	RALPH GREEN 69KV	73.7	-0.10305	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.16851	63
MIPU	GREENWOOD 161KV	255.8	-0.23388	KACP	CITY OF HIGGINSVILLE 69KV	35	-0.08025	-0.15363	69
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	BULL CREEK 161KV	308	0.03515	-0.1382	77
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.03133	-0.13438	79
MIPU	ARIES 161KV	595	-0.21072	KACP	CITY OF HIGGINSVILLE 69KV	35	-0.08025	-0.13047	81
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.02186	-0.12491	85
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01988	-0.12393	86
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02004	-0.12309	86
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	LACYGNE UNIT 345KV	958	0.02043	-0.12348	86
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	NORTHEAST 13KV	32	0.02027	-0.12332	86
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.02025	-0.1233	86
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	ABILENE ENERGY CENTER 115KV	40	0.01865	-0.1217	87
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	EMPORIA 345KV	310	0.01825	-0.1213	87
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	IATAN 345KV	396	0.01911	-0.12216	87
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.01767	-0.12072	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	CITY OF BURLINGTON 69KV	34.061	0.01728	-0.12033	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	HAWTHORN 161KV	769	0.01727	-0.12032	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.01723	-0.12028	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01723	-0.12028	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	SMOKEY HILLS 34KV	152	0.01756	-0.12061	88
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	EVANS ENERGY CENTER 138KV	510	0.01454	-0.11759	90
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	GILL ENERGY CENTER 138KV	155	0.01443	-0.11748	90
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	GILL ENERGY CENTER 69KV	45	0.01439	-0.11744	90
MIPU	RALPH GREEN 69KV	73.7	-0.10305	WERE	CHANUTE 69KV	55.637	0.0117	-0.11475	92
MIPU	RALPH GREEN 69KV	73.7	-0.10305	MIPU	LAKE ROAD 161KV	35	0.01155	-0.1146	92
MIPU	RALPH GREEN 69KV	73.7	-0.10305	MIPU	LAKE ROAD 34KV	92	0.01155	-0.1146	92
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	DENISON 138KV	59.59999	0.00672	-0.10977	96
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	KEYSTONE DAM 161KV	150.6	0.00665	-0.1097	96
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	BROKEN BOW 138KV	93.6	0.00486	-0.10791	98
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	EUFULA 138KV	51	0.00514	-0.10819	98
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	EUFULA 161KV	69.8	0.00514	-0.10819	98
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	WEBBERS FALLS 161KV	39.2	0.00515	-0.1082	98
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	OZARK 161KV	150.6	0.00334	-0.10639	99
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	ROBERT S. KERR 161KV	314.8	0.0042	-0.10725	99
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	BEAVER 161KV	139.4955	0.00299	-0.10604	100
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	BULL SHOALS 161KV	279.4	0.00208	-0.10331	102
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	GREERS FERRY 161KV	93.6	0.00106	-0.10411	102
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	JONESBORO 161KV	63	-0.00006	-0.10299	103
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	SIKESTON 161KV	235	-0.0011	-0.10195	104
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00563	-0.09742	109
KACP	MARSHALL 161KV	54.1	-0.028	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.09346	113
MIPU	RALPH GREEN 69KV	73.7	-0.10305	KACP	MONTROSE 161KV	362.4643	-0.01005	-0.093	114
MIPU	RALPH GREEN 69KV	73.7	-0.10305	INDN	SUB H 69KV	38.78607	-0.01192	-0.09113	116
MIPU	RALPH GREEN 69KV	73.7	-0.10305	MIPU	SIBLEY 69KV	45.99999	-0.01235	-0.0907	117
MIPU	RALPH GREEN 69KV	73.7	-0.10305	MIPU	SIBLEY 161KV	230.3706	-0.01684	-0.08621	123
MIPU	RALPH GREEN 69KV	73.7	-0.10305	SWPA	TRUMAN 161KV	102	-0.01682	-0.08623	123
MIPU	RALPH GREEN 69KV	73.7	-0.10305	INDN	BLUE VALLEY 69KV	85.10918	-0.02097	-0.08208	129
SWPA	TRUMAN 161KV	78.00002	-0.01682	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.08228	129
SWPA	BULL SHOALS 161KV	110.2	0.00226	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.0852	162
SWPA	ROBERT S. KERR 161KV	73.90001	0.0042	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.06126	173
MIPU	LAKE ROAD 161KV	91	0.01155	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.05391	196
SWPA	TRUMAN 161KV	78.00002	-0.01682	KACP	BULL CREEK 161KV	308	0.03515	-0.05197	204
WERE	EVANS ENERGY CENTER 138KV	217	0.01454	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.05092	208
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.01723	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.04823	219
SWPA	TRUMAN 161KV	78.00002	-0.01682	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.03133	-0.04815	220
WERE	EMPORIA 345KV	518	0.01825	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.04721	224
KACP	NORTHEAST 13KV	176.9458	0.02027	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.04519	234
KACP	NORTHEAST 161KV	209	0.02027	MIPU	SOUTH HARPER 161KV	280.4871	0.06546	-0.04519	234
SWPA	BULL SHOALS 161KV	110.2	0.00226	KACP	BULL CREEK 161KV	308	0.03515	-0.03489	303

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

Upgrade: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Limiting Facility: GRANDVIEW EAST - MARTIN CITY 161KV CKT 1
 Direction: To->From
 Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
 Flowgate: 5922359210(PHILL737512108SP)
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1162075	10.0	19.8	MIPU	'ARIES 161KV'	595	-0.32474	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.40295	49
1162678	4.9	19.8	MIPU	'GREENWOOD 161KV'	255.8	-0.32242	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.40663	50
1162681	4.9	19.8	MIPU	'ARIES 161KV'	595	-0.32474	KACP	'BULL CREEK 161KV'	308	0.0379	-0.36284	55
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'LACYGNE UNIT 345KV'	958	0.0342	-0.35816	55
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.03785	-0.36259	55
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	KACP	'BULL CREEK 161KV'	308	0.0379	-0.36032	55
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.03785	-0.36027	55
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.02775	-0.35249	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.02775	-0.35249	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'EMPORIA 345KV'	310	0.02867	-0.35341	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02711	-0.35185	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02676	-0.3515	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.03006	-0.3548	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.02819	-0.35293	56
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	KACP	'LACYGNE UNIT 345KV'	958	0.0342	-0.35584	56
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.03006	-0.35248	56
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02633	-0.35107	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.02469	-0.34943	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CITY OF AUGUSTA 69KV'	24	0.02233	-0.34707	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'EVANS ENERGY CENTER 138KV'	510	0.02277	-0.34751	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'GILL ENERGY CENTER 138KV'	155	0.02251	-0.34725	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'GILL ENERGY CENTER 69KV'	45	0.02247	-0.34721	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.02412	-0.34886	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02411	-0.34885	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'SMOKEY HILLS 34KV'	152	0.02439	-0.34913	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02633	-0.34875	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.02469	-0.34711	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.02775	-0.35017	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.02775	-0.35017	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'EMPORIA 345KV'	310	0.02867	-0.35109	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'EVANS ENERGY CENTER 138KV'	510	0.02277	-0.34519	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.02412	-0.34654	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02411	-0.34853	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02711	-0.34953	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02676	-0.34918	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'SMOKEY HILLS 34KV'	152	0.02439	-0.34681	57
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.02819	-0.35061	57
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CHANUTE 69KV'	55.637	0.01695	-0.34169	58
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CITY OF ERIE 69KV'	23.374	0.01695	-0.34169	58
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CITY OF IOLA 69KV'	24.471	0.01748	-0.34222	58
			MIPU	'ARIES 161KV'	595	-0.32474	WERE	'CITY OF WINFIELD 69KV'	26.77	0.01962	-0.34436	58
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'IATAM 345KV'	396	0.01911	-0.34385	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CHANUTE 69KV'	55.637	0.01695	-0.33937	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CITY OF AUGUSTA 69KV'	24	0.02233	-0.34475	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CITY OF ERIE 69KV'	23.374	0.01695	-0.33937	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CITY OF IOLA 69KV'	24.471	0.01748	-0.3399	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'CITY OF WINFIELD 69KV'	26.77	0.01962	-0.34204	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'GILL ENERGY CENTER 138KV'	155	0.02251	-0.34493	58
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	WERE	'GILL ENERGY CENTER 69KV'	45	0.02247	-0.34489	58
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'IATAM 345KV'	396	0.01911	-0.34153	58
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'DENISON 138KV'	59.59999	0.01012	-0.33486	59
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'HAWTHORN 161KV'	96	0.01077	-0.33551	59
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'KEYSTONE DAM 161KV'	150.6	0.01002	-0.33476	59
			MIPU	'ARIES 161KV'	595	-0.32474	KACP	'NORTHEAST 13KV'	32.0542	0.01371	-0.33845	59
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	KACP	'NORTHEAST 13KV'	32.0542	0.01371	-0.33613	59
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'BEAVER 161KV'	139.4955	0.00405	-0.32879	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'BROKEN BOW 138KV'	93.6	0.00732	-0.33206	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'EUFULA 138KV'	51	0.00772	-0.33246	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'EUFULA 161KV'	69.8	0.00772	-0.33246	60
			MIPU	'ARIES 161KV'	595	-0.32474	MIPU	'LAKE ROAD 161KV'	35	0.00633	-0.33107	60
			MIPU	'ARIES 161KV'	595	-0.32474	MIPU	'LAKE ROAD 34KV'	92	0.00633	-0.32875	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'OZARK 161KV'	150.6	0.005	-0.32974	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'ROBERT S. KERR 161KV'	314.8	0.0063	-0.33104	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'WEBBERS FALLS 161KV'	39.2	0.00771	-0.33245	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'BROKEN BOW 138KV'	93.6	0.00732	-0.32974	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'DENISON 138KV'	59.59999	0.01012	-0.33254	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'EUFULA 138KV'	51	0.00772	-0.33014	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'EUFULA 161KV'	69.8	0.00772	-0.33014	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	KACP	'HAWTHORN 161KV'	769	0.01077	-0.33319	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'KEYSTONE DAM 161KV'	150.6	0.01002	-0.33244	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	MIPU	'LAKE ROAD 161KV'	35	0.00633	-0.32875	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	MIPU	'LAKE ROAD 34KV'	92	0.00633	-0.32875	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'ROBERT S. KERR 161KV'	314.8	0.0063	-0.32872	60
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'WEBBERS FALLS 161KV'	39.2	0.00771	-0.33013	60
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'BULL SHOALS 161KV'	279.4	0.00016	-0.3249	61
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'CARTHAGE 69KV'	32	0.00129	-0.32603	61
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'GREERS FERRY 161KV'	93.6	0.0016	-0.32634	61
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'JONESBORO 161KV'	63	0.00003	-0.32477	61
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'SIKESTON 161KV'	235	-0.00139	-0.32335	61
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'BEAVER 161KV'	139.4955	0.00405	-0.32647	61
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'CARTHAGE 69KV'	32	0.00129	-0.32371	61
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'GREERS FERRY 161KV'	93.6	0.0016	-0.32402	61
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'OZARK 161KV'	150.6	0.005	-0.32742	61
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'BULL SHOALS 161KV'	279.4	0.00016	-0.32258	62
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'JONESBORO 161KV'	63	0.00003	-0.32245	62
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'SIKESTON 161KV'	235	-0.00139	-0.32103	62
			MIPU	'ARIES 161KV'	595	-0.32474	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00786	-0.31688	63
			MIPU	'GREENWOOD 161KV'	255.8	-0.32242	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00786	-0.31456	63
			MIPU	'ARIES 161KV'	595	-0.32474	INDN	'MOCT 69KV'	26	-0.02865	-0.29609	67
			MIPU	'ARIES 161KV'	595	-0.32474	KACP					

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

MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'BULL CREEK 161KV'	308	0.0379	-0.19941	99
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.03785	-0.19936	100
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'LACYGNE UNIT 345KV'	958	0.03342	-0.19493	102
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'EMPORIA 345KV'	310	0.02867	-0.19018	104
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.03006	-0.19157	104
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02711	-0.18862	105
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02676	-0.18827	105
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.02819	-0.1897	105
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02633	-0.18784	106
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.02469	-0.1862	107
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.02412	-0.18563	107
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.02411	-0.18562	107
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'SMOKEY HILLS 34KV'	152	0.02439	-0.1859	107
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'EVANS ENERGY CENTER 138KV'	510	0.02277	-0.18428	108
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'GILL ENERGY CENTER 138KV'	155	0.02251	-0.18402	108
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'GILL ENERGY CENTER 69KV'	45	0.02247	-0.18398	108
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'IATAN 345KV'	396	0.01911	-0.18062	110
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	WERE	'CHANUTE 69KV'	55.637	0.01695	-0.17846	111
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'HAWTHORN 161KV'	769	0.01077	-0.17228	115
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'DENISON 138KV'	59.59999	0.01012	-0.17163	116
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'KEYSTONE DAM 161KV'	150.6	0.01002	-0.17153	116
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'EUFULA 138KV'	51	0.00772	-0.16923	117
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'EUFULA 161KV'	69.8	0.00772	-0.16923	117
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'WEBBERS FALLS 161KV'	39.2	0.00771	-0.16922	117
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'BROKEN BOW 138KV'	93.6	0.00732	-0.16883	118
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	MIPU	'LAKE ROAD 34KV'	92	0.00633	-0.16784	118
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'ROBERT S. KERR 161KV'	314.8	0.0063	-0.16781	118
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'OZARK 161KV'	150.6	0.005	-0.16651	119
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'BEAVER 161KV'	139.4955	0.00405	-0.16556	120
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'GREERS FERRY 161KV'	93.6	0.0016	-0.16311	122
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'BULL SHOALS 161KV'	279.4	0.00016	-0.16167	123
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'JONESBORO 161KV'	63	0.00003	-0.16154	123
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'SIKESTON 161KV'	235	-0.00139	-0.16012	124
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	KACP	'MONTROSE 161KV'	362.4643	-0.0288	-0.13271	150
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	SWPA	'TRUMAN 161KV'	102	0.02901	-0.1325	150
MIPU	'RALPH GREEN 69KV'	73.7	-0.16151	INDM	'BLUE VALLEY 69KV'	85.10918	-0.03822	-0.12329	161
SWPA	'TRUMAN 161KV'	78.00002	-0.02901	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.10722	185
SWPA	'BULL SHOALS 161KV'	110.2	0.00016	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.07805	254
KACP	'NORTHEAST 13KV'	176.9458	0.01371	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.0645	308
KACP	'NORTHEAST 161KV'	209	0.01371	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.0645	308
WERE	'EVANS ENERGY CENTER 138KV'	217	0.02277	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.05544	358
WERE	'HUTCHINSON ENERGY CENTER 115KV'	171	0.02412	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.05409	367
WERE	'EMPORIA 345KV'	518	0.02867	MIPU	'SOUTH HARPER 161KV'	280.4871	0.07821	-0.04954	400

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: HAYS PLANT - SOUTH HAYS 115KV CKT 1 & KNOLL - VINE STREET 115KV CKT 1
 Limiting Facility: HAYS PLANT - SOUTH HAYS 115KV CKT 1
 Direction: To->From
 Line Outage: KNOLL 230/115KV TRANSFORMER CKT 1
 Flowgate: 565625655315655856561121085P
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1162075	3.0	6.0
1162678	1.5	6.0
1162681	1.5	6.0

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.04645	-0.70753	8
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.72262	8
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.68157	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.68666	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CHANUTE 69KV'	55.637	0.02012	-0.6632	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'CIMARRON RIVER 115KV'	33.49094	-0.00439	-0.65669	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.66454	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.66422	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.6632	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.66323	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.66297	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.65331	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.66317	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF MULVANE 69KV'	8.29	0.00388	-0.66496	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.66316	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'CITY OF WINFIELD 69KV'	26.77	0.00308	-0.66416	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.66422	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'EMPORIA 345KV'	310	0.00647	-0.66755	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'EVANS ENERGY CENTER 138KV'	510	0.00396	-0.66504	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01202	-0.64906	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'GILL ENERGY CENTER 138KV'	155	0.00445	-0.66553	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'GILL ENERGY CENTER 69KV'	45	0.00425	-0.66533	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01943	-0.67151	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.64968	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.69885	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.69884	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'JEFFREY ENERGY CENTER 230KV'	275	0.04043	-0.66511	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.66776	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'JUDSON LARGE 115KV'	116.093	0.01039	-0.67147	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.66542	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.67438	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.66515	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'WACO 138KV'	17.967	0.0044	-0.66546	9
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'CITY OF GOODLAND 115KV'	7.7	-0.0798	-0.58111	10
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'CLIFTON 115KV'	65	-0.05795	-0.60313	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.04645	-0.58843	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.57566	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.57775	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.57774	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.60152	10
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.56047	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CHANUTE 69KV'	55.637	0.02012	-0.5421	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'CIMARRON RIVER 115KV'	33.49094	-0.00439	-0.53559	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.54344	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.54312	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.5421	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.54187	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.53221	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.54207	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF MULVANE 69KV'	8.29	0.00388	-0.54386	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.54206	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF WINFIELD 69KV'	26.77	0.00308	-0.54306	11
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.54312	11
WEPL									

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

WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	GILL ENERGY CENTER 69KV'	45	0.00425	-0.54423	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WEPL	GRAY COUNTY WIND FARM 115KV'	76	0.1043	-0.55041	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	SUNC	HOLCOMB 115KV'	269.0622	-0.0114	-0.52858	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.54401	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.54566	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	JUDSON LARGE 115KV'	116.093	0.01039	-0.55037	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.54432	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WEPL	SPEARVILLE WIND 34KV'	100	0.01327	-0.55325	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.54405	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WERE	WACO 138KV'	17.967	0.0044	-0.54438	11
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	WEPL	CLIFTON 115KV'	65	-0.05795	-0.48203	12
WEPL	PLAINVILLE 115KV'	5.79	-0.53998	SUNC	CITY OF GOODLAND 115KV'	7.7	-0.07998	-0.46	13
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.42747	14
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.41238	15
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.40151	15
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.4037	15
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.40369	15
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.38642	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CHANUTE 69KV'	55.637	0.00212	-0.36805	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF AUGUSTA 69KV'	24	0.00346	-0.36939	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.36907	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF ERIE 69KV'	23.374	0.00212	-0.36805	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF IOLA 69KV'	24.471	0.00209	-0.36802	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF MULVANE 69KV'	8.29	0.00388	-0.36981	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	CITY OF WINFRED 69KV'	26.77	0.00308	-0.36901	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.37192	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	EMPORIA 345KV'	310	0.00647	-0.3724	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	EVANS ENERGY CENTER 138KV'	510	0.00396	-0.36989	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	GILL ENERGY CENTER 138KV'	155	0.00445	-0.37038	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	GILL ENERGY CENTER 69KV'	45	0.00425	-0.37018	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	GRAY COUNTY WIND FARM 115KV'	76	0.1043	-0.37636	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.36996	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.37261	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	JUDSON LARGE 115KV'	227.0841	0.01039	-0.37632	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	LAWRENCE ENERGY CENTER 230KV'	116.093	0.00434	-0.37027	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	SPEARVILLE WIND 34KV'	100	0.01327	-0.37192	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.37	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WERE	WACO 138KV'	17.967	0.0044	-0.37033	16
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.36154	17
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.35816	17
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	HOLCOMB 115KV'	269.0622	-0.0114	-0.35453	17
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	CLIFTON 115KV'	65	-0.05795	-0.30798	19
SUNC	CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	CITY OF GOODLAND 115KV'	7.7	-0.07998	-0.28595	21
WEPL	BELOIT 115KV'	16.6	-0.1046	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.16614	36
WEPL	BELOIT 115KV'	16.6	-0.1046	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.15105	40
WEPL	BELOIT 115KV'	16.6	-0.1046	WERE	HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.14237	42
WEPL	BELOIT 115KV'	16.6	-0.1046	WERE	HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.14236	42
WEPL	BELOIT 115KV'	16.6	-0.1046	WERE	BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.14018	43
WEPL	BELOIT 115KV'	16.6	-0.1046	WERE	ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.12509	48
MIDW	lyons 115kv'	999	-0.06378	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.12532	48
MIDW	pawnee 115kv'	999	-0.06378	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.12532	48
MIDW	rice 115kv'	999	-0.06378	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.12532	48
MIDW	lyons 115kv'	999	-0.06378	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.11023	54
MIDW	pawnee 115kv'	999	-0.06378	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.11023	54
MIDW	rice 115kv'	999	-0.06378	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.11023	54
MIDW	lyons 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.10155	59
MIDW	lyons 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.10154	59
MIDW	pawnee 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.10155	59
MIDW	pawnee 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.10154	59
MIDW	rice 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.10155	59
MIDW	rice 115kv'	999	-0.06378	WERE	HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.10154	59
MIDW	lyons 115kv'	999	-0.06378	WERE	BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.09936	60
MIDW	pawnee 115kv'	999	-0.06378	WERE	BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.09936	60
MIDW	rice 115kv'	999	-0.06378	WERE	BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.09936	60
WEPL	RUSSELL 115KV'	27.9	-0.03308	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.09462	63
MIDW	lyons 115kv'	999	-0.06378	WERE	ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.08427	71
MIDW	pawnee 115kv'	999	-0.06378	WERE	ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.08427	71
MIDW	rice 115kv'	999	-0.06378	WERE	ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.08427	71
WEPL	RUSSELL 115KV'	27.9	-0.03308	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.07953	75
MIDW	lyons 115kv'	999	-0.06378	WEPL	SPEARVILLE WIND 34KV'	100	0.01327	-0.07705	78
MIDW	pawnee 115kv'	999	-0.06378	WEPL	SPEARVILLE WIND 34KV'	100	0.01327	-0.07705	78
MIDW	rice 115kv'	999	-0.06378	WEPL	SPEARVILLE WIND 34KV'	100	0.01327	-0.07705	78
MIDW	lyons 115kv'	999	-0.06378	WEPL	GRAY COUNTY WIND FARM 115KV'	76	0.1043	-0.07421	81
MIDW	lyons 115kv'	999	-0.06378	WEPL	JUDSON LARGE 115KV'	116.093	0.01039	-0.07417	81
MIDW	pawnee 115kv'	999	-0.06378	WEPL	GRAY COUNTY WIND FARM 115KV'	76	0.1043	-0.07421	81
MIDW	pawnee 115kv'	999	-0.06378	WEPL	JUDSON LARGE 115KV'	116.093	0.01039	-0.07417	81
MIDW	rice 115kv'	999	-0.06378	WEPL	GRAY COUNTY WIND FARM 115KV'	76	0.1043	-0.07421	81
MIDW	rice 115kv'	999	-0.06378	WEPL	JUDSON LARGE 115KV'	116.093	0.01039	-0.07417	81
SUNC	GARDEN CITY 115KV'	180.1143	-0.01202	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.07356	82
MIDW	lyons 115kv'	999	-0.06378	WERE	EMPORIA 345KV'	310	0.00647	-0.07025	85
MIDW	lyons 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.07046	85
MIDW	pawnee 115kv'	999	-0.06378	WERE	EMPORIA 345KV'	310	0.00647	-0.07025	85
MIDW	pawnee 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.07046	85
MIDW	rice 115kv'	999	-0.06378	WERE	EMPORIA 345KV'	310	0.00647	-0.07025	85
MIDW	rice 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.07046	85
MIDW	lyons 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 138KV'	155	0.00445	-0.06823	88
MIDW	lyons 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 69KV'	45	0.00425	-0.06803	88
MIDW	lyons 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.06781	88
MIDW	lyons 115kv'	999	-0.06378	WERE	LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.06812	88
MIDW	lyons 115kv'	999	-0.06378	WERE	TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.06785	88
MIDW	pawnee 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 138KV'	155	0.00445	-0.06823	88
MIDW	pawnee 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 69KV'	45	0.00425	-0.06803	88
MIDW	pawnee 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.06781	88
MIDW	pawnee 115kv'	999	-0.06378	WERE	LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.06812	88
MIDW	rice 115kv'	999	-0.06378	WERE	TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.06785	88
MIDW	rice 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 138KV'	155	0.00445	-0.06823	88
MIDW	rice 115kv'	999	-0.06378	WERE	GILL ENERGY CENTER 69KV'	45	0.00425	-0.06803	88
MIDW	rice 115kv'	999	-0.06378	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.06781	88
MIDW	rice 115kv'	999	-0.06378	WERE	LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.06812	88
MIDW	rice 115kv'	999	-0.06378	WERE	TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.06785	88
MIDW	lyons 115kv'	999	-0.06378	WERE	EVANS ENERGY CENTER 138KV'	510	0.00396	-0.06774	89
MIDW	pawnee 115kv'	999	-0.06378	WERE	EVANS ENERGY CENTER 138KV'	510	0.00396	-0.06774	89
MIDW	rice 115kv'	999	-0.06378	WERE	EVANS ENERGY CENTER 138KV'	510	0.00396	-0.06774	89
MIDW	lyons 115kv'	999	-0.06378	WERE	CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.06692	90
MIDW	pawnee 115kv'	999	-0.06378	WERE	CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.06692	90
MIDW	rice 115kv'	999	-0.06378	WERE	CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.06692	90
MIDW	lyons 115kv'	999	-0.06378	WERE	CHANUTE 69KV'	55.637	0.00212	-0.06859	91
MIDW	pawnee 115kv'	999	-0.06378	WERE	CHANUTE 69KV'	55.637	0.00212	-0.06859	91
MIDW	rice 115kv'	999	-0.06378	WERE	CHANUTE 69KV'	55.637	0.00212	-0.06859	91
SUNC	GARDEN CITY 115KV'	180.1143	-0.01202	WEPL	A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.05847	103
WERE	GETTY 69KV'	35	0.00338	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.05816	103
WERE	EVANS ENERGY CENTER 138KV'	217	0.00396	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.05758	104
WERE	TECUMSEH ENERGY CENTER 69KV'	41	0.00411	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.05743	104
WERE	GILL ENERGY CENTER 138KV'	64.99999	0.00445	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.05709	105
WERE	GILL ENERGY CENTER 69KV'	38	0.00425	WERE	SMOKEY HILLS 34KV'	152	0.06154	-0.05729	105
WERE	LAWRENCE ENERGY CENTER 230KV'	41.91592	0.00434	WER					

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

MIDW	pawnee 115kv	999	-0.06378	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.05238	114
MIDW	rice 115kv	999	-0.06378	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.05238	114
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.04978	120
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.04978	120
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.0478	126
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.04249	141
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.042	143
WERE	EMPORIA 345KV	518	0.00647	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.03998	150
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03381	177
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03332	180
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03162	190
WERE	EMPORIA 345KV	518	0.00647	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.0313	192
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03113	193

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: HAYS PLANT - SOUTH HAYS 115KV CKT 1 & KNOLL - VINE STREET 115KV CKT 1
 Limiting Facility: HAYS PLANT - VINE STREET 115KV CKT 1
 Direction: From->To
 Line Outage: KNOLL 230/115KV TRANSFORMER CKT 1
 Flowgate: 565625659115655856561121085P
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1162075	0.1	0.2	SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.42791	0
1162678	0.1	0.2	SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.443	0
1162681	0.1	0.2	SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CHANUTE 69KV	56.637	0.00212	-0.40954	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.40303	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.41088	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.41056	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.40954	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.40957	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.40931	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.39965	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.40951	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	SPEARVILLE WIND 34KV	2.9	-0.01373	-0.39369	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.4113	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.4095	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.4105	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.41056	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	EMPORIA 345KV	310	0.00647	-0.41389	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.41138	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.3954	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.41187	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.41167	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.41785	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.39602	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.44519	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.44518	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.41145	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.4141	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.39201	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.41781	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.41176	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.46896	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.42959	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.41149	0
			SUNC	CITY OF HILL CITY 115KV	3.1	-0.40742	WERE	WACO 138KV	17.967	0.0044	-0.41182	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.41238	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.38642	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.40151	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CHANUTE 69KV	56.637	0.00212	-0.36805	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.36154	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.36939	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.36907	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.36805	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.36802	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.36782	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.35816	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.36802	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.36981	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.36801	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.36901	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.36907	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	EMPORIA 345KV	310	0.00647	-0.3724	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.36989	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.37038	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.37018	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.37636	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.4037	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.40369	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.36996	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.37261	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.37632	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.37027	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.42747	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.3792	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.37	0
			SUNC	CITY OF NORTON 115KV	10.56	-0.36593	WERE	WACO 138KV	17.967	0.0044	-0.37033	0
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.70753	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.68157	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.69666	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CHANUTE 69KV	56.637	0.00212	-0.6632	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.65669	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.66454	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.66422	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.6632	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.66323	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.66297	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	SUNC	CITY OF GOODLAND 115KV	7.7	-0.07998	-0.58111	0			
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.66108	SUNC	C							

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

MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'EVANS ENERGY CENTER 138KV'	510	0.00396	-0.66504	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01202	-0.64906	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'GILL ENERGY CENTER 138KV'	155	0.00445	-0.66553	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'GILL ENERGY CENTER 69KV'	46	0.00425	-0.66533	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01343	-0.67151	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.64868	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.69885	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.69884	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.66511	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.66776	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	SUNC	'JOHNSON 69KV'	2.9	-0.01541	-0.64567	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'JUDSON LARGE 115KV'	116.093	0.01039	-0.67147	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.66542	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.72262	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.67435	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.66515	0
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	-0.66108	WERE	'WACO 138KV'	17.967	0.0044	-0.66548	0
SUNC	'OBERLIN 115KV'	4.31	-0.31043	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.35888	0
SUNC	'OBERLIN 115KV'	4.31	-0.31043	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.37197	0
SUNC	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.58643	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.56047	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.57556	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CHANUTE 69KV'	56.637	0.00212	-0.5421	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.53559	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.54344	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.54312	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'CITY OF ERIE 69KV'	23.374	0.00212	-0.5421	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.54213	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.54187	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'CITY OF GOODLAND 115KV'	7.7	-0.07998	-0.46	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.53221	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.54207	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'CITY OF LAKIN 115KV'	2.9	-0.01373	-0.52625	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF MULVANE 69KV'	8.29	0.00388	-0.54386	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.54206	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'CITY OF WINFIELD 69KV'	26.77	0.00308	-0.54306	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'CLIFTON 115KV'	65	-0.05795	-0.48203	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.54312	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	MIDW	'COLBY 115KV'	3.183003	-0.13268	-0.4073	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'EMPORIA 345KV'	310	0.00647	-0.54645	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'EVANS ENERGY CENTER 138KV'	510	0.00396	-0.54394	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01202	-0.52796	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'GILL ENERGY CENTER 138KV'	155	0.00445	-0.54443	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'GILL ENERGY CENTER 69KV'	46	0.00425	-0.54423	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01343	-0.54941	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.52858	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.57775	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.57774	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.54401	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.54666	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	SUNC	'JOHNSON 69KV'	2.9	-0.01541	-0.52457	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'JUDSON LARGE 115KV'	116.093	0.01039	-0.55037	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.54432	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.60152	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.55205	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.54405	0
WEPL	'PLAINVILLE 115KV'	5.79	-0.53998	WERE	'WACO 138KV'	17.967	0.0044	-0.54438	0
MIDW	'ATWOOD 115KV'	4	-0.15026	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.19671	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.17075	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.18584	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CHANUTE 69KV'	56.637	0.00212	-0.15238	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.14587	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.15372	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.15334	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.15238	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.15241	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.15215	1
MIDW	'ATWOOD 115KV'	4	-0.15026	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.14249	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.15235	1
MIDW	'ATWOOD 115KV'	4	-0.15026	SUNC	'CITY OF LAKIN 115KV'	2.9	-0.01373	-0.13653	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF MULVANE 69KV'	8.29	0.00388	-0.15414	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.15234	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'CITY OF WINFIELD 69KV'	26.77	0.00308	-0.15334	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.15334	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'EMPORIA 345KV'	310	0.00647	-0.18373	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'EVANS ENERGY CENTER 138KV'	510	0.00396	-0.15422	1
MIDW	'ATWOOD 115KV'	4	-0.15026	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01202	-0.13824	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'GILL ENERGY CENTER 138KV'	155	0.00445	-0.15471	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'GILL ENERGY CENTER 69KV'	46	0.00425	-0.15451	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01043	-0.16069	1
MIDW	'ATWOOD 115KV'	4	-0.15026	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.13886	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.18803	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.18802	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00403	-0.15429	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.15698	1
MIDW	'ATWOOD 115KV'	4	-0.15026	SUNC	'JOHNSON 69KV'	2.9	-0.01541	-0.13485	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WEPL	'JUDSON LARGE 115KV'	116.093	0.01039	-0.16085	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.1546	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.2118	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.16353	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.15433	1
MIDW	'ATWOOD 115KV'	4	-0.15026	WERE	'WACO 138KV'	17.967	0.0044	-0.15466	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.15105	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.12509	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.14918	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.14237	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.14236	1
WEPL	'BELOIT 115KV'	16.6	-0.1046	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.16614	1
SUNC	'CITY OF GOODLAND 115KV'	6.2	-0.07998	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.12643	1
SUNC	'CITY OF GOODLAND 115KV'	6.2	-0.07998	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.14152	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	-0.40742	SUNC	'CITY OF GOODLAND 115KV'	7.7	-0.07998	-0.32744	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	-0.40742	WEPL	'CLIFTON 115KV'	65	-0.05795	-0.34947	1
SUNC	'CITY OF HILL CITY 115KV'	3.1	-0.40742	MIDW	'COLBY 115KV'	3.183003	-0.13268	-0.27474	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	'CITY OF GOODLAND 115KV'	7.7	-0.07998	-0.28595	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	'CITY OF LAKIN 115KV'	2.9	-0.01373	-0.3522	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	WEPL	'CLIFTON 115KV'	65	-0.05795	-0.30798	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	MIDW	'COLBY 115KV'	3.183003	-0.13268	-0.23325	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01202	-0.35391	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.35453	1
SUNC	'CITY OF NORTON 115KV'	10.56	-0.36593	SUNC	'JOHNSON 69KV'	2.9	-0.01541	-0.35052	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.1572	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02049	-0.13124	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.14633	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01043	-0.12118	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.14852	1
SUNC	'CITY OF ST.FRANCIS 115KV'	4.3	-0.11075	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.14851	1

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

MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.04645	-0.17913	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.15317	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.16826	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CHANUTE 69KV	55.637	0.00212	-0.1348	1
MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.17023	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.13614	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.13582	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.1348	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.13483	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.13457	1
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.12491	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.13477	1
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.11895	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.13656	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.13476	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.13576	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.13582	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	EMPORIA 345KV	310	0.00647	-0.13915	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.13664	1
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.12066	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.13713	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.13693	1
MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.14311	1
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.12128	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.17045	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.17044	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.13671	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.13936	1
MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.14307	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.13702	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.19422	1
MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.14595	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.13675	1
MIDW	COLBY 115KV	9.816997	-0.13268	WERE	WACO 138KV	17.967	0.0044	-0.13708	1
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	-0.06108	SUNC	CITY OF HILL CITY 115KV	3	-0.40742	-0.25386	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.15392	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.34601	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CHANUTE 69KV	55.637	0.00212	-0.31255	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.30604	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.31389	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.31357	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.31255	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.31258	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.31232	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	CITY OF GOOLAND 115KV	7.7	-0.07988	-0.20945	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.30266	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.31252	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.2967	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.31431	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.31251	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.31351	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WEPL	CLIFTON 115KV	65	-0.05795	-0.25248	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.31357	1
SUNC	OBERLIN 115KV	4.31	-0.31043	MIDW	COLBY 115KV	3.183003	-0.13268	-0.17775	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	EMPORIA 345KV	310	0.00647	-0.31169	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.31439	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.29841	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.31488	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.31468	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.32086	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.29903	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.3482	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.34819	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.31446	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.31711	1
SUNC	OBERLIN 115KV	4.31	-0.31043	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.29502	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.32082	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.31477	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.3237	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.3145	1
SUNC	OBERLIN 115KV	4.31	-0.31043	WERE	WACO 138KV	17.967	0.0044	-0.31483	1
WEPL	PLAINVILLE 115KV	5.79	-0.53998	SUNC	CITY OF HILL CITY 115KV	3	-0.40742	-0.13256	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.04645	-0.21418	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.18822	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.20331	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CHANUTE 69KV	55.637	0.00212	-0.16985	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.16334	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.17119	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.17087	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.16985	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.16988	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.16962	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.15996	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.16982	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.154	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.17161	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.16981	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.17081	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.17087	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	EMPORIA 345KV	310	0.00647	-0.1742	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.17169	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.15571	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.17218	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.17198	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.17816	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.15533	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.2055	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.20549	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.17176	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.17441	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.15232	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.17812	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.17207	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	SMOKEY HILLS 34KV	152	0.06154	-0.22927	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.181	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.1718	1
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WERE	WACO 138KV	17.967	0.0044	-0.17213	1
MIDW	ATWOOD 115KV	4	-0.15026	WEPL	CLIFTON 115KV	65	-0.05795	-0.09231	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CHANUTE 69KV	55.637	0.00212	-0.10672	2
WEPL	BELOIT 115KV	16.6	-0.1046	WEPL	CIMARRON RIVER 115KV	33.49084	-0.00439	-0.10021	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.10806	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.10774	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.10672	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.10675	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.10649	2
WEPL	BELOIT 115KV	16.6	-0.1046						

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

WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.10668	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.10768	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.10774	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	EMPORIA 345KV	310	0.00647	-0.11107	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	EVANS ENERGY CENTER 138KV	510	0.00398	-0.10858	2
WEPL	BELOIT 115KV	16.6	-0.1046	SUNC	GARDEN CITY 115KV	3,885651	0.01202	-0.09258	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.10905	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.10885	2
WEPL	BELOIT 115KV	16.6	-0.1046	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.11503	2
WEPL	BELOIT 115KV	16.6	-0.1046	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.0932	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.10863	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.11128	2
WEPL	BELOIT 115KV	16.6	-0.1046	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.08919	2
WEPL	BELOIT 115KV	16.6	-0.1046	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.11499	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.10894	2
WEPL	BELOIT 115KV	16.6	-0.1046	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.11787	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.10867	2
WEPL	BELOIT 115KV	16.6	-0.1046	WERE	WACO 138KV	17.967	0.0044	-0.109	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.10047	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.11556	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CHANUTE 69KV	56.537	0.00212	-0.0821	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WEPL	CIMARRON RIVER 115KV	33.49044	-0.00439	-0.07559	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.08344	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.08312	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.0821	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.08213	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.08187	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.07221	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.08207	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.08386	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.08206	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.08306	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.08312	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	EMPORIA 345KV	310	0.00647	-0.08645	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	EVANS ENERGY CENTER 138KV	510	0.00398	-0.08394	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.08443	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.08423	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.09041	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.11775	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.11774	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.08401	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.08666	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.09037	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.08432	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.09255	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.08405	2
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	WERE	WACO 138KV	17.967	0.0044	-0.08438	2
SUNC	CITY OF LAKIN 115KV	1.35	-0.01373	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07527	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CHANUTE 69KV	56.537	0.00212	-0.11287	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WEPL	CIMARRON RIVER 115KV	33.49044	-0.00439	-0.10636	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.11421	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.11389	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.11287	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.1129	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.11264	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.10298	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.11284	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.09702	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.11463	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.11283	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.11383	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.11389	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	EMPORIA 345KV	310	0.00647	-0.11722	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	EVANS ENERGY CENTER 138KV	510	0.00398	-0.11471	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	GARDEN CITY 115KV	3,885651	-0.01202	-0.08973	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.1152	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.115	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.09935	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.11478	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.11743	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.09534	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.11509	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.11482	2
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	WERE	WACO 138KV	17.967	0.0044	-0.11515	2
MIDW	COLBY 115KV	9.816997	-0.13268	WEPL	CLIFTON 115KV	65	-0.05795	-0.07473	2
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.11727	2
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07356	2
SUNC	GARDEN CITY 34KV	10.7	-0.01202	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07356	2
SUNC	GARDEN CITY 69KV	13	-0.01202	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07356	2
WEPL	GREENLEAF 115KV	8	-0.04851	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.09496	2
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.08409	2
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.08628	2
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.08627	2
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.11005	2
SUNC	HOLCOMB 115KV	24.93781	-0.0114	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07294	2
SUNC	JOHNSON 69KV	2.9	-0.01541	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07695	2
MIDW	lyons 115kv	999	-0.04711	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.09356	2
MIDW	lyons 115kv	999	-0.04711	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.08269	2
MIDW	lyons 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.08488	2
MIDW	lyons 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.08487	2
MIDW	lyons 115kv	999	-0.04711	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.10865	2
MIDW	pawnee 115kv	999	-0.04711	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.09356	2
MIDW	pawnee 115kv	999	-0.04711	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.08269	2
MIDW	pawnee 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.08488	2
MIDW	pawnee 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.08487	2
MIDW	pawnee 115kv	999	-0.04711	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.10865	2
MIDW	rice 115kv	999	-0.04711	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.09356	2
MIDW	rice 115kv	999	-0.04711	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.08269	2
MIDW	rice 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.08488	2
MIDW	rice 115kv	999	-0.04711	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.08487	2
MIDW	rice 115kv	999	-0.04711	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.10865	2
WEPL	RUSSELL 115KV	27.9	-0.03308	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.07953	2
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.09462	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.09626	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.07723	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.08738	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.08958	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.08957	2
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.11335	2
WEPL	SMITH CENTER 115KV	6.15	-0.16773	SUNC	CITY OF GOODLAND 115KV	7.7	-0.07998	-0.08775	2
WEPL	SMITH CENTER 115KV	6.15	-0.16773	WEPL	CLIFTON 115KV	65	-0.05795	-0.10978	2
WERE	SOUTH SENECA 115KV	16.7	-0.01474	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.07628	2
MIDW	ATWOOD 115KV	4	-0.15026	SUNC	CITY OF GOODLAND 115KV	7.7	-0.07998	-0.07028	3
WERE	BROWN COUNTY 115KV	5.5	-0.08002	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05447	3
WERE	BROWN COUNTY 115KV	5.5	-0.08002	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.06956	3
WERE	CHANUTE 69KV	32.163	0.00212	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05842	3
WEPL	CIMARRON RIVER 115KV	11.5091							

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

WERE	CITY OF ERIE 69KV	3.155999	0.00212	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05942	3
WERE	CITY OF FREDDONIA 69KV	6.960999	0.00215	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05939	3
WERE	CITY OF GIRARD 69KV	6.108	0.00189	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05965	3
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	SUNC	CITY OF LAKIN 115KV	7.2	-0.01373	-0.06625	3
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	SUNC	CITY OF LAKIN 115KV	3.885651	-0.01202	-0.06798	3
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	SUNC	HOLCOMB 115KV	269.0629	-0.0114	-0.06858	3
SUNC	CITY OF GOODLAND 115KV	6.2	-0.07998	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.06457	3
SUNC	CITY OF HUGOTON 69KV	10.17	-0.00777	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05422	3
SUNC	CITY OF HUGOTON 69KV	10.17	-0.00777	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.06931	3
WERE	CITY OF IOLA 69KV	13.157	0.00209	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05945	3
SUNC	CITY OF LAKIN 115KV	1.35	-0.01373	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.06018	3
SUNC	CITY OF LAKIN 115KV	1.35	-0.01373	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.0515	3
SUNC	CITY OF LAKIN 115KV	1.35	-0.01373	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.05149	3
WERE	CITY OF MULVANE 69KV	7.5	0.00388	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05766	3
WERE	CITY OF OSAGE CITY 115KV	8.85	0.00642	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05512	3
SUNC	CITY OF ST FRANCIS 115KV	4.3	-0.11075	WEPL	CLIFTON 115KV	65	-0.05795	-0.0528	3
WERE	CITY OF WINFIELD 69KV	13.23	0.00308	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05846	3
MIDW	COLBY 115KV	9.816997	-0.13268	SUNC	CITY OF GOODLAND 115KV	7.7	-0.07998	-0.0527	3
WERE	EMPORIA 345KV	5.18	0.00647	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05507	3
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05758	3
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05847	3
SUNC	GARDEN CITY 34KV	10.7	-0.01202	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05847	3
SUNC	GARDEN CITY 69KV	13	-0.01202	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05847	3
WERE	GETTY 69KV	35	0.00338	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05816	3
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05709	3
WERE	GILL ENERGY CENTER 69KV	39	0.00425	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05729	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.069	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.05197	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.05165	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.05239	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.05159	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.05165	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	EMPORIA 345KV	310	0.00647	-0.05498	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.05247	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.05296	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.05278	3
WEPL	GREENLEAF 115KV	8	-0.04851	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.05894	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.05254	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.05519	3
WEPL	GREENLEAF 115KV	8	-0.04851	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.0589	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.05285	3
WEPL	GREENLEAF 115KV	8	-0.04851	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.06178	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.05258	3
WEPL	GREENLEAF 115KV	8	-0.04851	WERE	WACO 138KV	17.967	0.0044	-0.05291	3
SUNC	HOLCOMB 115KV	24.93791	-0.0114	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.05785	3
WERE	HOLTON 115KV	19.8	-0.00099	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.06263	3
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00403	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05751	3
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00668	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.05486	3
SUNC	JOHNSON 69KV	2.3	-0.01541	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.06186	3
SUNC	JOHNSON 69KV	2.3	-0.01541	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.05099	3
SUNC	JOHNSON 69KV	2.3	-0.01541	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.05318	3
SUNC	JOHNSON 69KV	2.3	-0.01541	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.05317	3
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.00434	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.0572	3
MIDW	lyons 115kv	999	-0.04711	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.0676	3
MIDW	lyons 115kv	999	-0.04711	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.05099	3
MIDW	lyons 115kv	999	-0.04711	WERE	EMPORIA 345KV	310	0.00647	-0.05358	3
MIDW	lyons 115kv	999	-0.04711	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.05107	3
MIDW	lyons 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.05156	3
MIDW	lyons 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.05136	3
MIDW	lyons 115kv	999	-0.04711	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.05754	3
MIDW	lyons 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.05114	3
MIDW	lyons 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.05379	3
MIDW	lyons 115kv	999	-0.04711	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.0575	3
MIDW	lyons 115kv	999	-0.04711	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.05145	3
MIDW	lyons 115kv	999	-0.04711	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.06038	3
MIDW	lyons 115kv	999	-0.04711	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.05118	3
MIDW	lyons 115kv	999	-0.04711	WERE	WACO 138KV	17.967	0.0044	-0.05151	3
WERE	OXFORD 138KV	3	0.00324	WERE	SMOKEY HILLS 34KV	152	0.06154	-0.0583	3
MIDW	pawnee 115kv	999	-0.04711	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.0676	3
MIDW	pawnee 115kv	999	-0.04711	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.05099	3
MIDW	pawnee 115kv	999	-0.04711	WERE	EMPORIA 345KV	310	0.00647	-0.05358	3
MIDW	pawnee 115kv	999	-0.04711	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.05107	3
MIDW	pawnee 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.05156	3
MIDW	pawnee 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.05136	3
MIDW	pawnee 115kv	999	-0.04711	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.05754	3
MIDW	pawnee 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.05114	3
MIDW	pawnee 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.05379	3
MIDW	pawnee 115kv	999	-0.04711	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.0575	3
MIDW	pawnee 115kv	999	-0.04711	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.05145	3
MIDW	pawnee 115kv	999	-0.04711	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.06038	3
MIDW	pawnee 115kv	999	-0.04711	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.05118	3
MIDW	pawnee 115kv	999	-0.04711	WERE	WACO 138KV	17.967	0.0044	-0.05151	3
MIDW	rice 115kv	999	-0.04711	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.0676	3
MIDW	rice 115kv	999	-0.04711	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.05099	3
MIDW	rice 115kv	999	-0.04711	WERE	EMPORIA 345KV	310	0.00647	-0.05358	3
MIDW	rice 115kv	999	-0.04711	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.05107	3
MIDW	rice 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.05156	3
MIDW	rice 115kv	999	-0.04711	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.05136	3
MIDW	rice 115kv	999	-0.04711	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.01043	-0.05754	3
MIDW	rice 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.05114	3
MIDW	rice 115kv	999	-0.04711	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00668	-0.05379	3
MIDW	rice 115kv	999	-0.04711	WEPL	JUDSON LARGE 115KV	116.093	0.01039	-0.0575	3
MIDW	rice 115kv	999	-0.04711	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.05145	3
MIDW	rice 115kv	999	-0.04711	WEPL	SPEARVILLE WIND 34KV	100	0.01327	-0.06038	3
MIDW	rice 115kv	999	-0.04711	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.05118	3
MIDW	rice 115kv	999	-0.04711	WERE	WACO 138KV	17.967	0.0044	-0.05151	3
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.069	3
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.06866	3
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.07085	3
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.07084	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	CHANUTE 69KV	56.337	0.00212	-0.05393	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.05527	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.05495	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.05393	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	WERE	CITY OF FREDDONIA 69KV	3.596	0.00215	-0.05396	3
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181						

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

SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.00434	-0.05615	3
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.06508	3
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.00407	-0.05588	3
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	WERE	'WACO 138KV'	17.967	0.0044	-0.05621	3
WEPL	'SOUTH DODGE 115KV'	4.2	0.00743	WERE	'SMOKEY HILLS 34KV'	152	0.03554	-0.05111	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.01474	WERE	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.06119	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.01474	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.05251	3
WERE	'SOUTH SENECA 115KV'	16.7	-0.01474	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.0525	3
WERE	'TECUMSEH ENERGY CENTER 115KV'	15.27393	0.00407	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.05747	3
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00411	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.05743	3
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.02049	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.04105	4
WEPL	'BELOIT 115KV'	16.6	-0.1046	WEPL	'CLIFTON 115KV'	65	-0.05795	-0.04665	4
WERE	'BROWN COUNTY 115KV'	5.5	-0.00802	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.0436	4
WERE	'BROWN COUNTY 115KV'	5.5	-0.00802	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04579	4
WERE	'BROWN COUNTY 115KV'	5.5	-0.00802	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04578	4
WERE	'CHANUTE 69KV'	32.163	0.00212	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04433	4
WEPL	'CIMARRON RIVER 115KV'	11.50916	-0.00439	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.05084	4
WEPL	'CIMARRON RIVER 115KV'	11.50916	-0.00439	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.03997	4
WEPL	'CIMARRON RIVER 115KV'	11.50916	-0.00439	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04216	4
WEPL	'CIMARRON RIVER 115KV'	11.50916	-0.00439	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04215	4
WERE	'CITY OF AUGUSTA 69KV'	8.840999	0.00346	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04299	4
WERE	'CITY OF BURLINGTON 69KV'	21.939	0.00314	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04331	4
WERE	'CITY OF ERIE 69KV'	3.155999	0.00212	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04433	4
WERE	'CITY OF FREDONIA 69KV'	6.960999	0.00215	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04443	4
WERE	'CITY OF GIRARD 69KV'	6.108	0.00189	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04456	4
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.00777	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.04335	4
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.00777	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04554	4
SUNC	'CITY OF HUGOTON 69KV'	10.17	-0.00777	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04553	4
WERE	'CITY OF IOLA 69KV'	13.157	0.00209	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04436	4
SUNC	'CITY OF LAKIN 115KV'	1.35	-0.01373	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.04931	4
WERE	'CITY OF MULVANE 69KV'	7.5	0.00388	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04257	4
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.00642	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04003	4
WERE	'CITY OF WINFIELD 69KV'	13.23	0.00308	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04337	4
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	0.01442	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.04712	4
WERE	'EMPORIA 345KV'	51.8	0.00647	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.03996	4
WERE	'EVANS ENERGY CENTER 138KV'	217	0.00396	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04249	4
SUNC	'GARDEN CITY 115KV'	180.1143	-0.01202	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.0478	4
SUNC	'GARDEN CITY 115KV'	180.1143	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04979	4
SUNC	'GARDEN CITY 115KV'	180.1143	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04978	4
SUNC	'GARDEN CITY 34KV'	10.7	-0.01202	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.0478	4
SUNC	'GARDEN CITY 34KV'	10.7	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04979	4
SUNC	'GARDEN CITY 34KV'	10.7	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04978	4
SUNC	'GARDEN CITY 69KV'	13	-0.01202	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.0478	4
SUNC	'GARDEN CITY 69KV'	13	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04979	4
SUNC	'GARDEN CITY 69KV'	13	-0.01202	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04978	4
WERE	'GARDEN CITY 69KV'	35	0.00338	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04307	4
WERE	'GILL ENERGY CENTER 138KV'	64.99999	0.00445	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.042	4
WERE	'GILL ENERGY CENTER 69KV'	38	0.00425	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.0422	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CHANUTE 69KV'	55.637	0.00212	-0.05063	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.04412	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.05063	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.05066	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.0504	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.04074	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.05068	4
WEPL	'GREENLEAF 115KV'	8	-0.04851	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.05059	4
WEPL	'GREENSBURG 115KV'	6.2	0.01463	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.04891	4
WEPL	'HARPER 138KV'	17.21	0.01138	WERE	'SMOKEY HILLS 34KV'	152	0.06154	-0.05016	4
SUNC	'HOLCOMB 115KV'	24.93781	-0.0114	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.04989	4
SUNC	'HOLCOMB 115KV'	24.93781	-0.0114	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.04917	4
SUNC	'HOLCOMB 115KV'	24.93781	-0.0114	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.04916	4
WERE	'HOLTON 115KV'	19.8	-0.00099	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04744	4
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.00403	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04242	4
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.00688	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.03977	4
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.91592	0.00452	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04211	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CHANUTE 69KV'	55.637	0.00212	-0.04923	4
MIDW	'IYONS 115KV'	999	-0.04711	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.04272	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.05057	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.05025	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.04923	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.04926	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.049	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.0492	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.04919	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'CITY OF WINFIELD 69KV'	24.471	0.00209	-0.04919	4
MIDW	'IYONS 115KV'	999	-0.04711	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.05025	4
WERE	'OXFORD 138KV'	3	0.00324	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04321	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CHANUTE 69KV'	55.637	0.00212	-0.04923	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.04272	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.05057	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.05025	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.04923	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.04926	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.049	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.0492	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.04919	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'CITY OF WINFIELD 69KV'	24.471	0.00209	-0.04919	4
MIDW	'PAWNEE 115KV'	999	-0.04711	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.05025	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CHANUTE 69KV'	55.637	0.00212	-0.04923	4
MIDW	'RICE 115KV'	999	-0.04711	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.04272	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF AUGUSTA 69KV'	24	0.00346	-0.05057	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.00314	-0.05025	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF ERIE 69KV'	23.374	0.00212	-0.04923	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF FREDONIA 69KV'	3.596	0.00215	-0.04926	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF GIRARD 69KV'	4.592	0.00189	-0.049	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF IOLA 69KV'	24.471	0.00209	-0.0492	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF NEODESHA 69KV'	4.495	0.00208	-0.04919	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'CITY OF WINFIELD 69KV'	24.471	0.00209	-0.04919	4
MIDW	'RICE 115KV'	999	-0.04711	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.00314	-0.05025	4
WEPL	'RUSSELL 115KV'	27.9	-0.03308	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.01043	-0.04351	4
WEPL	'RUSSELL 115KV'	27.9	-0.03308	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.00668	-0.03976	4
WEPL	'RUSSELL 115KV'	27.9	-0.03308	WEPL	'JUDSON LARGE 115KV'	116.093	0.01039	-0.04347	4
WEPL	'RUSSELL 115KV'	27.9	-0.03308	WEPL	'SPEARVILLE WIND 34KV'	100	0.01327	-0.04635	4
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	WEPL	'CIMARRON RIVER 115KV'	33.49084	-0.00439	-0.04742	4
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	SUNC	'CITY OF HUGOTON 69KV'	6.9	-0.00777	-0.04404	4
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	SUNC	'GARDEN CITY 115KV'	3.885651	-0.01201	-0.03979	4
SUNC	'SHARON SPRINGS 115KV'	2.5	-0.05181	SUNC	'HOLCOMB 115KV'	269.0622	-0.0114	-0.04041	4
WERE	'SOUTH SENECA 115KV'	16.7	-0.01474	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.05032	4
WERE	'TECUMSEH ENERGY CENTER 115KV'	15.27393	0.00407	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04238	4
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.00411	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.04645	-0.04234	4
WERE	'CHANUTE 69KV'	32.163	0.00212	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.03558	-0.03346	5
WERE	'CHANUTE 69KV'	32.163	0.00212	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.03777	-0.03565	5
WERE	'CHANUTE 69KV'	32.163	0.00212	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.03776	-0.03564	5
WERE	'CITY OF AUGUSTA 69KV'	8.8409							

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

WERE	CITY OF ERIE 69KV	3.155999	0.00212	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03565	5
WERE	CITY OF ERIE 69KV	3.155999	0.00212	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03564	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.00215	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03343	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.00215	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03562	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.00215	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03561	5
WERE	CITY OF GIRARD 69KV	6.108	0.00189	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03369	5
WERE	CITY OF GIRARD 69KV	6.108	0.00189	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03588	5
WERE	CITY OF GIRARD 69KV	6.108	0.00189	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03587	5
WERE	CITY OF IOLA 69KV	13.157	0.00209	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03349	5
WERE	CITY OF IOLA 69KV	13.157	0.00209	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03568	5
WERE	CITY OF IOLA 69KV	13.157	0.00209	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03567	5
WERE	CITY OF MULVANE 69KV	7.5	0.00388	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03389	5
WERE	CITY OF MULVANE 69KV	7.5	0.00388	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03388	5
WERE	CITY OF WINFIELD 69KV	13.23	0.00308	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.0325	5
WERE	CITY OF WINFIELD 69KV	13.23	0.00308	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03469	5
WERE	CITY OF WINFIELD 69KV	13.23	0.00308	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03468	5
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03381	5
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.0338	5
SUNC	GARDEN CITY 115KV	180.1143	-0.01202	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.03251	5
SUNC	GARDEN CITY 34KV	10.7	-0.01202	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.03251	5
SUNC	GARDEN CITY 69KV	13	-0.01202	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.03251	5
WERE	GETTY 69KV	35	0.00338	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03439	5
WERE	GETTY 69KV	35	0.00338	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03438	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03332	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03331	5
WERE	GILL ENERGY CENTER 69KV	38	0.00425	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03352	5
WERE	GILL ENERGY CENTER 69KV	38	0.00425	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03351	5
WEPL	GREENLEAF 115KV	8	-0.04851	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.03478	5
WEPL	GREENLEAF 115KV	8	-0.04851	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.03649	5
WEPL	GREENLEAF 115KV	8	-0.04851	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.03711	5
WEPL	GREENLEAF 115KV	8	-0.04851	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.0331	5
WEPL	HARPER 138KV	17.21	0.01138	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.03507	5
WERE	HOLTON 115KV	19.8	-0.00099	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03657	5
WERE	HOLTON 115KV	19.8	-0.00099	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03876	5
WERE	HOLTON 115KV	19.8	-0.00099	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03875	5
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00403	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03374	5
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00403	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03373	5
SUNC	JOHNSON 69KV	2.3	-0.01541	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.0359	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.00434	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03343	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.00434	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03342	5
MIDW	lyons 115kv	999	-0.04711	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.03934	5
MIDW	lyons 115kv	999	-0.04711	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.03338	5
MIDW	lyons 115kv	999	-0.04711	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.03509	5
MIDW	lyons 115kv	999	-0.04711	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.03571	5
WERE	OXFORD 138KV	3	0.00324	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03453	5
WERE	OXFORD 138KV	3	0.00324	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03452	5
MIDW	pawnee 115kv	999	-0.04711	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.03934	5
MIDW	pawnee 115kv	999	-0.04711	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.03338	5
MIDW	pawnee 115kv	999	-0.04711	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.03509	5
MIDW	pawnee 115kv	999	-0.04711	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.03571	5
MIDW	rice 115kv	999	-0.04711	SUNC	CITY OF HUGOTON 69KV	6.9	-0.00777	-0.03934	5
MIDW	rice 115kv	999	-0.04711	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.03338	5
MIDW	rice 115kv	999	-0.04711	SUNC	GARDEN CITY 115KV	3.885651	-0.01202	-0.03509	5
MIDW	rice 115kv	999	-0.04711	SUNC	HOLCOMB 115KV	269.0622	-0.0114	-0.03571	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CHANUTE 69KV	55.637	0.00212	-0.0352	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF AUGUSTA 69KV	24	0.00346	-0.03654	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF BURLINGTON 69KV	34.061	0.00314	-0.03622	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF ERIE 69KV	23.374	0.00212	-0.0352	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF FREDONIA 69KV	3.596	0.00215	-0.03523	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF GIRARD 69KV	4.592	0.00189	-0.03497	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF IOLA 69KV	24.471	0.00209	-0.03517	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF MULVANE 69KV	8.29	0.00388	-0.03696	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF NEODESHA 69KV	4.495	0.00208	-0.03516	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	CITY OF WINFIELD 69KV	26.77	0.00308	-0.03616	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	COURTNEY COUNTY NO. 2 SHARPE 69KV	19.98	0.00314	-0.03522	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	EMPORIA 345KV	310	0.00647	-0.0395	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	EVANS ENERGY CENTER 138KV	510	0.00396	-0.03704	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	GILL ENERGY CENTER 138KV	155	0.00445	-0.03753	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	GILL ENERGY CENTER 69KV	45	0.00425	-0.03733	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00403	-0.03711	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.00434	-0.03742	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.00407	-0.03715	5
WEPL	RUSSELL 115KV	27.9	-0.03308	WERE	WACO 138KV	17.967	0.0044	-0.03748	5
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	SUNC	CITY OF LAKIN 115KV	2.9	-0.01373	-0.03808	5
SUNC	SHARON SPRINGS 115KV	2.5	-0.05181	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.0394	5
WEPL	SMITH CENTER 115KV	6.15	-0.16773	MIDW	COLBY 115KV	3.183003	-0.13288	-0.03505	5
WEPL	SOUTH DODGE 115KV	4.2	0.01043	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.03602	5
WERE	SOUTH SENECA 115KV	16.7	-0.01474	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.03523	5
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.00407	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.0337	5
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.00407	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03369	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00411	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03366	5
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.00411	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03365	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.00346	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03212	5
WERE	CITY OF MULVANE 69KV	7.5	0.00388	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.0317	5
WERE	CITY OF OSAGE CITY 115KV	8.85	0.00642	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03135	5
WERE	CITY OF OSAGE CITY 115KV	8.85	0.00642	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03134	5
SUNC	CITY OF ST.FRANCIS 115KV	4.3	-0.11075	SUNC	CITY OF GOODLAND 115KV	7.7	-0.07998	-0.03077	5
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.01442	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.03203	5
WERE	EMPORIA 345KV	518	0.00647	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.0313	5
WERE	EMPORIA 345KV	518	0.00647	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03129	5
WERE	EVANS ENERGY CENTER 138KV	217	0.00396	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03162	5
WERE	GETTY 69KV	35	0.00338	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.0322	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.00445	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03113	5
WERE	GILL ENERGY CENTER 69KV	38	0.00425	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03133	5
WEPL	GREENSBURG 115KV	8.2	0.01463	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.04645	-0.03182	5
SUNC	HOLCOMB 115KV	24.93781	-0.0114	WERE	ABILENE ENERGY CENTER 115KV	40	0.02049	-0.03189	5
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00403	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03155	5
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00668	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.03777	-0.03109	5
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00668	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.03776	-0.03108	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.00434	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03124	5
MIDW	lyons 115kv	999	-0.04711	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.0317	5
WERE	OXFORD 138KV	3	0.00324	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.03558	-0.03234	5
MIDW	pawnee 115kv	999	-0.04711	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.0317	5
MIDW	rice 115kv	999	-0.04711	SUNC	JOHNSON 69KV	2.9	-0.01541	-0.0317	5

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

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: 59255591691592555916923308WP
 Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1162075	2.5	5.0							
1162678	1.2	5.0							
1162681	1.2	5.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BEAVER 161KV	122.1466	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	INDN	BLUE VALLEY 69KV	41.65556	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BROKEN BOW 138KV	83.2831	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BULL SHOALS 161KV	250.972	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	CARTHAGE 69KV	13	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CHANUTE 69KV	34.903	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF AUGUSTA 69KV	15	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF BURLINGTON 69KV	20.393	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF ERIE 69KV	2.059	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF IOLA 69KV	19.902	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF MULVANE 69KV	3.921	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF NEODESHA 69KV	1.667	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF WINFIELD 69KV	8.724999	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	CLARENCE CANNON DAM 69KV	33.88693	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	DENISON 138KV	53.07256	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	EMPORIA 345KV	380	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	EUFULA 138KV	45.51993	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	EUFULA 161KV	62.15614	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	EVANS ENERGY CENTER 138KV	55	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	GREERS FERRY 161KV	83.2831	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	HAWTHORN 161KV	455	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	IATAN 345KV	396	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	JONESBORO 161KV	43	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	KEYSTONE DAM 161KV	136.1515	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	LACYGNE UNIT 345KV	952.781	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	LAKE ROAD 34KV	60	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	LAWRENCE ENERGY CENTER 230KV	144.2932	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	MALDEN 69KV	3	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	MONTROSE 161KV	3.291527	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	OZARK 161KV	140.9485	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	PARAGOULD 69KV	3.4	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	ROBERT S. KERR 161KV	287.0001	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	SIBLEY 161KV	199.5223	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	SIBLEY 69KV	10	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	SIKESTON 161KV	235	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	SMOKEY HILLS 34KV	101	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	TRUMAN 161KV	91.03986	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	WACO 138KV	17.414	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	WEBBERS FALLS 161KV	34.90541	0	-1	5

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: 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: 59255591692592555916912308WP
 Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1162075	2.5	5.0							
1162678	1.2	5.0							
1162681	1.2	5.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BEAVER 161KV	121.6632	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	INDN	BLUE VALLEY 69KV	41.67786	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BROKEN BOW 138KV	83.2831	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	BULL SHOALS 161KV	250.972	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	CARTHAGE 69KV	13	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CHANUTE 69KV	34.903	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF AUGUSTA 69KV	15	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF BURLINGTON 69KV	20.393	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF ERIE 69KV	2.059	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF IOLA 69KV	19.902	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF MULVANE 69KV	3.921	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF NEODESHA 69KV	1.667	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	CITY OF WINFIELD 69KV	8.724999	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	CLARENCE CANNON DAM 69KV	33.88693	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	DENISON 138KV	53.07256	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	EMPORIA 345KV	380	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	EUFULA 138KV	45.51993	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	EUFULA 161KV	62.15614	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	EVANS ENERGY CENTER 138KV	55	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	GREERS FERRY 161KV	83.2831	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	HAWTHORN 161KV	455	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	IATAN 345KV	396	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	JEFFREY ENERGY CENTER 230KV	470	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	JEFFREY ENERGY CENTER 345KV	940	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	JONESBORO 161KV	63	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	KEYSTONE DAM 161KV	136.1515	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	LACYGNE UNIT 345KV	958	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	LAKE ROAD 34KV	60	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	LAWRENCE ENERGY CENTER 230KV	146.0994	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	MALDEN 69KV	3	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	KACP	MONTROSE 161KV	47.44257	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	OZARK 161KV	140.9485	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	PARAGOULD 69KV	3.4	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	ROBERT S. KERR 161KV	287.0001	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	SIBLEY 161KV	199.7233	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	MIPU	SIBLEY 69KV	10	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	SIKESTON 161KV	235	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	SMOKEY HILLS 34KV	152	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	TRUMAN 161KV	91.03986	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	WERE	WACO 138KV	17.414	0	-1	5
MIPU	LAKE ROAD 161KV	136	-1	SWPA	WEBBERS FALLS 161KV	34.90541	0	-1	5

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

Factor = Source GSF - Sink GSF

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

Redispatch Amount = Relief Amount / Factor

Upgrade: LINWOOD - MCWILLIE STREET 138KV CKT 1
 Limiting Facility: LINWOOD - MCWILLIE STREET 138KV CKT 1
 Direction: From -> To
 Line Outage: HARTS ISLAND - SOUTH SHREVEPORT 138KV CKT 1
 Flowgate: 53422534281534145344611407SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 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)
1158760	5.8	5.8								
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'DOLETT HILLS 345KV'	360	0.0326	-0.39297	15
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'NATCHITOCHES 69KV'	16.89907	0.02366	-0.38403	15
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.0292	-0.35745	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'ACADIA 138KV'	306.4439	0.00547	-0.36584	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'AES 161KV'	320	-0.00276	-0.35761	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WFEC	'ANADARKO 138KV'	286.6512	-0.00549	-0.35488	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	EMDE	'ASBURY 161KV'	191	-0.00311	-0.35726	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	LEPA	'BAYOU RAMOS 138KV'	27.82327	0.00484	-0.36521	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'BEAVER 161KV'	137.2096	-0.003	-0.35737	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'BLACKHAWK 115KV'	220	-0.00451	-0.35586	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'BOOMER 69KV'	24	-0.00454	-0.35583	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	-0.00298	-0.35739	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'BULL SHOALS 161KV'	278.7	-0.00193	-0.35844	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'CAPROCK 115KV'	8	-0.00468	-0.35699	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'CARTHAGE 69KV'	30	-0.00302	-0.35735	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CHANUTE 69KV'	56.723	-0.0033	-0.35707	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00347	-0.35689	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF BURLINGTON 69KV'	34.753	-0.0032	-0.35717	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF ERIE 69KV'	23.27	-0.0033	-0.35707	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	LEPA	'CITY OF HOUMA SUB 115KV'	84	0.00377	-0.36414	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF IOLA 69KV'	24.267	-0.00324	-0.35713	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF MULVANE 69KV'	8.288	-0.00349	-0.35688	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'CITY OF WINFIELD 69KV'	27.962	-0.00385	-0.35652	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	-0.00175	-0.35862	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	-0.0032	-0.35717	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'COGENTRIX 345KV'	300	-0.00416	-0.35621	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'COMANCHE 138KV'	160	-0.00553	-0.35484	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'COMANCHE 69KV'	63	-0.00554	-0.35483	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'CUNNINGHAM 115KV'	181	-0.00472	-0.35565	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'CUNNINGHAM 230KV'	306	-0.00472	-0.35565	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'CZ 69KV'	102	-0.00458	-0.35579	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'D.G. HUNTER POWER STATION 138KV'	63.0963	0.013	-0.37337	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	EMDE	'ELK RIVER 345KV'	150	-0.00336	-0.35701	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'EUFULA 138KV'	51	-0.00387	-0.35665	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'EUFULA 161KV'	69.6	-0.00386	-0.35651	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'EVANGELINE 138KV'	141.1926	0.00939	-0.36976	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	CELE	'EVANGELINE 230KV'	173.2889	0.01003	-0.3704	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'EVANS ENERGY CENTER 138KV'	548.9756	-0.00351	-0.35686	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'FITZHUGH 161KV'	30.99999	-0.00241	-0.35796	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'FLINT CREEK 161KV'	420	-0.00348	-0.35691	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'FRLWIND2 345KV'	102	-0.00497	-0.3554	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'GILL ENERGY CENTER 138KV'	171	-0.0035	-0.35687	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'GILL ENERGY CENTER 69KV'	45	-0.00351	-0.35686	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'GRDA1 161KV'	190	-0.00369	-0.35668	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'GRDA1 345KV'	220	-0.00368	-0.35669	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'GREERS FERRY 161KV'	93.4	-0.00116	-0.35921	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'HARRINGTON 230KV'	1066	-0.0045	-0.35587	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'HORSESHOE LAKE 138KV'	411.9146	-0.00523	-0.35514	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00523	-0.35514	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'HUBBARD 69KV'	11	-0.00451	-0.35586	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'HUTCHINSON ENERGY CENTER 115KV'	40	-0.00301	-0.35736	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00301	-0.35736	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'INDEPENDENCE 161KV'	13	-0.0011	-0.35927	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	LEPA	'IRION SUB 230KV'	24	0.00367	-0.36404	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00285	-0.35752	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00285	-0.35752	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'JONES 230KV'	486	-0.00478	-0.35559	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'JONESBORO 161KV'	43	-0.00089	-0.35948	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'KENNETT 69KV'	7.2	-0.00088	-0.35949	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'KERR 115KV'	13.5	-0.00368	-0.35671	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'KERR 161KV'	13.5	-0.00367	-0.35671	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'KEYSTONE DAM 161KV'	150.2	-0.00412	-0.35625	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'L&D13 69KV'	11	-0.00278	-0.35759	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	EMDE	'LARUSSEL 161KV'	106.5474	-0.00295	-0.35742	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.1075	-0.00282	-0.35755	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'LP-BRND2 69KV'	20	-0.00479	-0.35558	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'LP-MACK2 69KV'	60	-0.00479	-0.35558	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'MADDOX 115KV'	164.8623	-0.00472	-0.35565	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'MADDEN 69KV'	7	-0.00089	-0.35948	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'MATTISON 161KV'	160	-0.00343	-0.35694	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'MCCLAIN 138KV'	478	-0.00532	-0.35505	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'MOORE COUNTY 115KV'	48	-0.00449	-0.35588	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	WFEC	'MORLND 138KV'	280.5074	-0.00497	-0.35554	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'MUSKOGEE 161KV'	166	-0.00381	-0.35656	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'MUSKOGEE 345KV'	1516	-0.00413	-0.35624	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'MUSTANG 115KV'	300	-0.00472	-0.35565	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'MUSTANG 138KV'	365.5	-0.00524	-0.35513	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'MUSTANG 230KV'	360	-0.00472	-0.35565	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'MUSTANG 69KV'	106	-0.00524	-0.35513	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'NICHOLS 115KV'	147	-0.00453	-0.35584	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'NICHOLS 230KV'	147	-0.00451	-0.35586	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'NORTHEASTERN STATION 138KV'	500	-0.00386	-0.35651	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'NORTHEASTERN STATION 345KV'	645	-0.00384	-0.35653	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'OEC 345KV'	369	-0.00404	-0.35633	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OMPA	'OMPA-KAW 69KV'	19.7	-0.00451	-0.35586	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OMPA	'OMPA-PONCA CITY 69KV'	111.5817	-0.00451	-0.35586	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'ONE OAK 345KV'	75	-0.00511	-0.35526	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'OZARK 161KV'	130.6	-0.00241	-0.35796	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	EMDE	'OZARK BEACH 161KV'	16	-0.00251	-0.35786	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'PARAGOULD 69KV'	5.5	-0.00369	-0.35648	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'PENSACOLA 161KV'	33	-0.0035	-0.35682	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	GRDA	'PENSACOLA 69KV'	29.29053	-0.00354	-0.35683	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'PLANTX 115KV'	205	-0.00468	-0.35569	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SPS	'PLANTX 230KV'	189	-0.00468	-0.35569	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	SWPA	'POPLAR BLUFF 69KV'	6	-0.00104	-0.35933	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	OKGE	'REDBUD 345KV'	100	-0.00509	-0.35528	16
AEPW	'ARSENAL HILL 69KV'		99	-0.36037	AEWP	'RIVERSIDE STATION 138KV'	482	-0.		

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

AEPW	ARSENAL HILL 69KV	99	-0.36037	OKGE	SEMINOLE 345KV	996	-0.00569	-0.35468	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SPS	SIDRCH 69KV	20	-0.00451	-0.35586	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SWPA	SIKESTON 161KV	235	-0.00091	-0.35946	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	WFEC	SLEEPING BEAR 138KV	80	-0.00497	-0.3554	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	OKGE	SLEEPING BEAR 34KV	120	-0.00488	-0.35539	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	OKGE	SMITH COGEN 138KV	120	-0.00526	-0.35511	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	OKGE	SOONER 138KV	505	-0.00468	-0.35569	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	OKGE	SOONER 345KV	513	-0.00482	-0.35555	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	SOUTHWESTERN STATION 138KV	230.5	-0.00547	-0.3549	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	EMDE	STATE LINE 161KV	503	-0.00314	-0.35723	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SPS	STEER WATER 115KV	8	-0.00455	-0.35582	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	CELE	TECHE 138KV	225.4748	0.00554	-0.36591	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00283	-0.35754	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SPS	TOLK 230KV	1027.253	-0.00469	-0.35568	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SWPA	TRUMAN 161KV	102	-0.00223	-0.35807	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	TULSA POWER STATION 138KV	152	-0.00413	-0.35624	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	WERE	WACO 138KV	17.96	-0.0035	-0.35687	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	LEPA	WATERLOO SUB 230KV	6	0.00369	-0.36406	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	WEATHERFORD 34KV	148	-0.00519	-0.35518	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SWPA	WEBBERS FALLS 161KV	39	-0.00371	-0.35666	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	WELETKA 138KV	70	-0.00504	-0.35533	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SPS	WILWIND 230KV	16	-0.00451	-0.35586	16
AEPW	ARSENAL HILL 69KV	99	-0.36037	SWPA	BROKEN BOW 138KV	93.4	-0.01139	-0.34898	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	SWPA	DENISON 138KV	59.40001	-0.00677	-0.3536	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	EASTMAN 138KV	355	-0.0127	-0.34767	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	WFEC	HUGO 138KV	450	-0.00955	-0.35072	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	KNOXLEE 138KV	154.8708	-0.00881	-0.35156	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	LEBROCK 345KV	465	-0.0179	-0.34247	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	NARROWS 69KV	22	-0.01482	-0.34555	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	PIRKEY GENERATION 138KV	475	-0.02418	-0.33619	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	WELSH 345KV	990	-0.01226	-0.34811	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	WILKES 345KV	253	-0.01614	-0.34423	17
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	WILKES 138KV	192.2979	-0.02818	-0.33219	18
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	DOLET HILLS 345KV	360	0.0326	-0.24415	24
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	INATCHITOCHEES 69KV	16.88807	0.02368	-0.23521	25
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	O G HUNTER POWER STATION 138KV	63.0963	0.013	-0.24763	26
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	EVANGELINE 138KV	141.1926	0.00939	-0.22094	26
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	EVANGELINE 230KV	173.2889	0.01003	-0.22158	26
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	RODEMACHER 230KV	651	0.0143	-0.22585	26
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	ACADIA 138KV	306.4439	0.00547	-0.21702	27
AEPW	LIEBERMAN 138KV	154	-0.21155	LEPA	BAYOU RAMOS 138KV	27.82327	0.00484	-0.21639	27
AEPW	LIEBERMAN 138KV	154	-0.21155	LEPA	CITY OF HOUMA SUB 115KV	84	0.00377	-0.21532	27
AEPW	LIEBERMAN 138KV	154	-0.21155	LEPA	IRION SUB 230KV	24	0.00367	-0.21522	27
AEPW	LIEBERMAN 138KV	154	-0.21155	CELE	TECHE 138KV	225.4748	0.00554	-0.21709	27
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	ABLENE ENERGY CENTER 115KV	40	-0.00292	-0.20863	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	AES 161KV	320	-0.00276	-0.2078	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WFEC	ANADARKO 138KV	286.6512	-0.00549	-0.20606	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	ASBURY 161KV	191	-0.00311	-0.20844	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	BEAVER 161KV	137.2096	-0.003	-0.20855	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	BLACKHAWK 115KV	220	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	BOOMER 69KV	24	-0.00454	-0.20701	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	BPU - CITY OF MCPHERSON 115KV	135	-0.00298	-0.20857	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	BULL SHOALS 161KV	278.7	-0.00193	-0.20962	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	CARTHAGE 69KV	30	-0.00302	-0.20853	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CHANUTE 69KV	56.723	-0.0033	-0.20925	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CITY OF AUGUSTA 69KV	24	-0.00347	-0.20808	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CITY OF BURLINGTON 69KV	34.753	-0.0032	-0.20835	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CITY OF ERIE 69KV	23.27	-0.0033	-0.20825	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CITY OF IOLA 69KV	24.267	-0.00324	-0.20831	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	CITY OF WINFIELD 69KV	27.962	-0.00385	-0.20777	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	CLARENCE CANNON DAM 69KV	39.2	-0.00175	-0.2098	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	-0.0032	-0.20835	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	COGENTRIX 345KV	300	-0.00416	-0.20739	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	COMANCHE 138KV	160	-0.00553	-0.20602	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	COMANCHE 69KV	63	-0.00554	-0.20601	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	CUNNINGHAM 115KV	181	-0.00472	-0.20683	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	CUNNINGHAM 230KV	306	-0.00472	-0.20683	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	CZ 69KV	39	-0.00458	-0.20697	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	ELK RIVER 345KV	150	-0.00336	-0.20819	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	EUFULA 138KV	51	-0.00387	-0.20768	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	EUFULA 161KV	69.6	-0.00386	-0.20769	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	EVANS ENERGY CENTER 138KV	548.9756	-0.00351	-0.20804	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	FITZHUGH 161KV	30.99999	-0.00241	-0.20914	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	FLINT CREEK 161KV	420	-0.00346	-0.20809	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	FLWIND2 34KV	102	-0.00487	-0.20558	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	GILL ENERGY CENTER 138KV	171	-0.0035	-0.20805	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	GILL ENERGY CENTER 69KV	45	-0.00351	-0.20804	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	GRDA1 161KV	190	-0.00369	-0.20786	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	GRDA1 345KV	220	-0.00368	-0.20787	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	GREERS FERRY 161KV	93.4	-0.00116	-0.21039	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	HARRINGTON 230KV	1066	-0.0045	-0.20705	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	HORSESHOE LAKE 138KV	411.9146	-0.00523	-0.20632	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	HORSESHOE LAKE 69KV	16	-0.00523	-0.20632	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	HUBRCO2 69KV	11	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00301	-0.20854	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00301	-0.20854	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	INDEPENDENCE 161KV	13	-0.0011	-0.21045	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00285	-0.2087	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00285	-0.2087	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	JONES 230KV	486	-0.00478	-0.20677	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	JONESBORO 161KV	43	-0.00089	-0.21066	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	KERR 115KV	13.5	-0.00366	-0.20789	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	KERR 161KV	13.5	-0.00367	-0.20788	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	KEYSTONE DAM 161KV	150.2	-0.00412	-0.20743	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	L&D13 69KV	11	-0.00278	-0.20877	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	LARUSSEL 161KV	106.5474	-0.00295	-0.20886	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	LAWRENCE ENERGY CENTER 230KV	231.1075	-0.00282	-0.20873	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	LP-BRND2 69KV	20	-0.00479	-0.20676	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	LP-MACK2 69KV	60	-0.00479	-0.20676	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	MADDOX 115KV	164.8623	-0.00472	-0.20683	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	MATTISON 161KV	160	-0.00343	-0.20812	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	MCCLELLAN 138KV	478	-0.00532	-0.20623	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	MOORE COUNTY 115KV	48	-0.00449	-0.20706	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WFEC	MORLND 138KV	280.5074	-0.00497	-0.20658	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	MUSKOGEE 161KV	156	-0.00381	-0.20774	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	MUSKOGEE 345KV	1516	-0.00413	-0.20742	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	MUSTANG 115KV	300	-0.00472	-0.20683	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	MUSTANG 138KV	365.5	-0.00524	-0.20631	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	MUSTANG 230KV	360	-0.00472	-0.20683	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	MUSTANG 69KV	106	-0.00524	-0.20631	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	NICHOLS 115KV	147	-0.00453	-0.20702	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	NICHOLS 230KV	147	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	NORTHEASTERN STATION 138KV	500	-0.00386	-0.20769	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	NORTHEASTERN STATION 345KV	645	-0.00384	-0.20771	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	OEC 345KV	359	-0.00404	-0.20761	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OMPA	OMPA-KAW 69KV	19.7	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OMPA	OMPA-PONCA CITY 69KV	111.5877	-0.00451	-0.20704</	

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

AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	OZARK BEACH 161KV	16	-0.00251	-0.20904	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	PENSACOLA 161KV	33	-0.00355	-0.208	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	PENSACOLA 69KV	29.29053	-0.00354	-0.20801	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	PLANTX 115KV	205	-0.00468	-0.20687	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	PLANTX 230KV	189	-0.00468	-0.20687	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	REDBUD 345KV	100	-0.00509	-0.20548	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEWP	RIVERSIDE STATION 138KV	482	-0.00417	-0.20738	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	RIVERTON 161KV	72	-0.00317	-0.20838	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	RIVERTON 69KV	44.49932	-0.00316	-0.20839	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	ROBERT S. KERR 161KV	314.2	-0.00304	-0.20851	28
AEPW	LIEBERMAN 138KV	154	-0.21155	GRDA	SALINA 161KV	27.19927	-0.00367	-0.20788	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	SAN JUAN 230KV	12	-0.00469	-0.20686	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SEMINOLE 138KV	476.8412	-0.00568	-0.20587	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SEMINOLE 345KV	996	-0.00569	-0.20586	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEWP	SIDORCH 69KV	20	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	SKESTON 161KV	235	-0.00091	-0.21064	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WFEC	SLEEPING BEAR 138KV	80	-0.00497	-0.20658	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SLEEPING BEAR 34KV	120	-0.00498	-0.20657	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SMITH COGEN 138KV	120	-0.00526	-0.20629	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SOONER 138KV	505	-0.00468	-0.20687	28
AEPW	LIEBERMAN 138KV	154	-0.21155	OKGE	SOONER 345KV	513	-0.00482	-0.20673	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	SOUTHWESTERN STATION 138KV	230.5	-0.00547	-0.20608	28
AEPW	LIEBERMAN 138KV	154	-0.21155	EMDE	STATE LINE 161KV	503	-0.00314	-0.20841	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00283	-0.20872	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEWP	TOLK 230KV	1027.253	-0.00469	-0.20686	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	TRUMAN 161KV	102	-0.0023	-0.21064	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	TULSA POWER STATION 138KV	152	-0.00413	-0.20742	28
AEPW	LIEBERMAN 138KV	154	-0.21155	WERE	WACO 138KV	17.96	-0.0035	-0.20805	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	WEATHERFORD 34KV	148	-0.00519	-0.20636	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	WEBBERS FALLS 161KV	39	-0.00371	-0.20784	28
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	WELETKA 138KV	70	-0.00504	-0.20651	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SPS	WILWIND 230KV	16	-0.00451	-0.20704	28
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	BROKEN BOW 138KV	93.4	-0.01139	-0.20016	29
AEPW	LIEBERMAN 138KV	154	-0.21155	SWPA	DENISON 138KV	59.40001	-0.00677	-0.20478	29
AEPW	LIEBERMAN 138KV	154	-0.21155	AEWP	EASTMAN 138KV	355	-0.0127	-0.19885	29
AEPW	LIEBERMAN 138KV	154	-0.21155	WFEC	HUGO 138KV	450	-0.00965	-0.20169	29
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	KNOXLEE 138KV	154.8708	-0.00881	-0.20274	29
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	WELSH 345KV	990	-0.01226	-0.19929	29
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	LEBROCK 345KV	465	-0.0179	-0.19365	30
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	NARROWS 69KV	22	-0.01482	-0.19673	30
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	WILKES 345KV	253	-0.01614	-0.19541	30
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	PIRKEY GENERATION 138KV	475	-0.02418	-0.18737	31
AEPW	LIEBERMAN 138KV	154	-0.21155	AEPW	WILKES 138KV	192.2979	-0.02818	-0.18337	32
AEPW	ARSENAL HILL 69KV	99	-0.36037	AEPW	LIEBERMAN 138KV	73.99999	-0.21155	-0.14882	39
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	DOLET HILLS 345KV	360	0.0326	-0.06078	96
AEPW	CONESTOGA POWER PLANT 69KV	50	-0.024	CELE	DOLET HILLS 345KV	360	0.0326	-0.0566	103
AEPW	PIRKEY GENERATION 138KV	40	-0.02418	CELE	DOLET HILLS 345KV	360	0.0326	-0.05678	103
AEPW	LEBROCK 345KV	232	-0.0179	CELE	DOLET HILLS 345KV	360	0.0326	-0.0505	116
AEPW	WILKES 345KV	58	-0.01614	CELE	DOLET HILLS 345KV	360	0.0326	-0.04874	120
AEPW	TURK 138KV	608	-0.01579	CELE	DOLET HILLS 345KV	360	0.0326	-0.04839	121
AEPW	EASTMAN 138KV	130.01	-0.0127	CELE	DOLET HILLS 345KV	360	0.0326	-0.0453	129
AEPW	WELSH 345KV	54	-0.01226	CELE	DOLET HILLS 345KV	360	0.0326	-0.04486	130
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	RODEMACHER 230KV	651	0.0143	-0.04248	137
AEPW	KNOXLEE 138KV	268.1292	-0.00881	CELE	DOLET HILLS 345KV	360	0.0326	-0.04141	141
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	D. G. HUNTER POWER STATION 138KV	63.0963	0.013	-0.04118	142
AEPW	KNOX 345KV	1348	-0.00674	CELE	DOLET HILLS 345KV	360	0.0326	-0.03834	148
WFEC	ANADARKO 138KV	136	-0.00549	CELE	DOLET HILLS 345KV	360	0.0326	-0.03809	153
WFEC	ANADARKO 69KV	76	-0.00546	CELE	DOLET HILLS 345KV	360	0.0326	-0.03806	153
WFEC	BLUE CANYON 138KV	151.2	-0.00547	CELE	DOLET HILLS 345KV	360	0.0326	-0.03807	153
AEPW	SOUTHWESTERN STATION 138KV	528.5	-0.00547	CELE	DOLET HILLS 345KV	360	0.0326	-0.03807	153
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	EVANGELINE 230KV	173.2889	0.01003	-0.03821	153
OKGE	HORSESHOE LAKE 138KV	439.5854	-0.00523	CELE	DOLET HILLS 345KV	360	0.0326	-0.03783	154
OKGE	TINKER 5G 138KV	62	-0.00536	CELE	DOLET HILLS 345KV	360	0.0326	-0.03796	154
OKGE	ONE OAK 345KV	261	-0.00511	CELE	DOLET HILLS 345KV	360	0.0326	-0.03771	155
OKGE	REDBUD 345KV	1100	-0.00509	CELE	DOLET HILLS 345KV	360	0.0326	-0.03769	155
AEPW	WELETKA 138KV	72	-0.00504	CELE	DOLET HILLS 345KV	360	0.0326	-0.03764	155
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	EVANGELINE 138KV	141.1926	0.00839	-0.03757	155
SPS	LP-HOLL 69KV	132	-0.00479	CELE	DOLET HILLS 345KV	360	0.0326	-0.03739	156
OKGE	RED ROCK 345KV	1050	-0.00482	CELE	DOLET HILLS 345KV	360	0.0326	-0.03742	156
SPS	NICHOLS 115KV	66.00001	-0.00453	CELE	DOLET HILLS 345KV	360	0.0326	-0.03713	157
SPS	NICHOLS 230KV	97	-0.00451	CELE	DOLET HILLS 345KV	360	0.0326	-0.03711	157
OMPA	OMPA-PONCA CITY 69KV	74.73508	-0.00451	CELE	DOLET HILLS 345KV	360	0.0326	-0.03711	157
SPS	TOLK 230KV	52.74677	-0.00469	CELE	DOLET HILLS 345KV	360	0.0326	-0.03729	157
AEPW	COGENTRIX 345KV	594	-0.00416	CELE	DOLET HILLS 345KV	360	0.0326	-0.03676	159
AEPW	OKC 345KV	1778.03	-0.00404	CELE	DOLET HILLS 345KV	360	0.0326	-0.03684	159
AEPW	RIVER SIDE 138KV	172	-0.00417	CELE	DOLET HILLS 345KV	360	0.0326	-0.03677	159
AEPW	RIVERSIDE STATION 138KV	240	-0.00417	CELE	DOLET HILLS 345KV	360	0.0326	-0.03677	159
AEPW	TULSA POWER STATION 138KV	142	-0.00413	CELE	DOLET HILLS 345KV	360	0.0326	-0.03673	159
AEPW	TULSA POWER STATION 69KV	80	-0.00413	CELE	DOLET HILLS 345KV	360	0.0326	-0.03673	159
AEPW	MID-CONTINENT 138KV	142.11	-0.00372	CELE	DOLET HILLS 345KV	360	0.0326	-0.03632	161
GRDA	SALINA 161KV	70.80074	-0.00367	CELE	DOLET HILLS 345KV	360	0.0326	-0.03627	161
AEPW	MATTISON 161KV	350	-0.00343	CELE	DOLET HILLS 345KV	360	0.0326	-0.03603	162
EMDE	RIVERTON 161KV	250	-0.00317	CELE	DOLET HILLS 345KV	360	0.0326	-0.03577	163
EMDE	STATE LINE 161KV	103	-0.00314	CELE	DOLET HILLS 345KV	360	0.0326	-0.03574	163
WERE	EMPORIA 345KV	828	-0.003	CELE	DOLET HILLS 345KV	360	0.0326	-0.03556	164
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00301	CELE	DOLET HILLS 345KV	360	0.0326	-0.03561	164
EMDE	LARUSSEL 161KV	189.4526	-0.00295	CELE	DOLET HILLS 345KV	360	0.0326	-0.03555	164
SWPA	ROBERT S. KERR 161KV	74.5	-0.00304	CELE	DOLET HILLS 345KV	360	0.0326	-0.03564	164
AEPW	FITZHUGH 161KV	95.00001	-0.00241	CELE	DOLET HILLS 345KV	360	0.0326	-0.03501	167
SWPA	OZARK 161KV	64.90001	-0.00241	CELE	DOLET HILLS 345KV	360	0.0326	-0.03501	167
SWPA	TRUMAN 161KV	78.00002	-0.0023	CELE	DOLET HILLS 345KV	360	0.0326	-0.0349	167
SWPA	BULL SHOALS 161KV	110.9	-0.00193	CELE	DOLET HILLS 345KV	360	0.0326	-0.03453	169
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	ACADIA 138KV	306.4439	0.00547	-0.03365	173
AEPW	WILKES 138KV	270.7021	-0.02818	CELE	TECHE 138KV	225.4748	0.00554	-0.03372	173
AEPW	LEBROCK 345KV	232	-0.0179	CELE	RODEMACHER 230KV	651	0.0143	-0.0322	181
AEPW	WILKES 138KV	270.7021	-0.02818	LEPA	CITY OF HOUMA SUB 115KV	84	0.00377	-0.03195	183
AEPW	LEBROCK 345KV	232	-0.0179	CELE	D. G. HUNTER POWER STATION 138KV	63.0963	0.013	-0.0309	189
AEPW	TURK 138KV	608	-0.01579	CELE	RODEMACHER 230KV	651	0.0143	-0.03009	194

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: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
 Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
 Direction: To->From
 Line Outage: GRD OAK - PLEASANT HILL 345KV CKT 1
 Flowgate: 592105925915919859200131075P
 Date Redispatch Needed: 6/1/07 - 10/1/07 or EOC of upgrade 8/1/07
 Season Flowgate Identified: 2007 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)
1162686		2.1								
Source Control Area	Source									
MIPU	ARIES 161KV		595	-0.0451	MIPU	SOUTH HARPER 161KV	252.4078	0.39783	-0.44293	5
SWPA	BEAVER 161KV		27.89772	0.00873	MIPU	SOUTH HARPER 161KV	252.4078	0.39783	-0.3891	5
SWPA	BROKEN BOW 138KV		16.6	0.00945	MIPU	SOUTH HARPER 161KV	252.4078	0.39783	-0.38838	5
WERE	BROWN COUNTY 115KV		5.5	0.0084	MIPU	SOUTH HARPER 161KV	252.4078	0.39783	-0.38943	5

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

KACP	'BULL CREEK 161KV'	65	-0.00404	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.40187	5
SWPA	'BULL SHOALS 161KV'	110.9	0.00383	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.394	5
SWPA	'CARTHAGE 69KV'	1.999999	0.00855	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38928	5
SWPA	'CLARENCE CANNON DAM 69KV'	8.799999	-0.0087	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.40653	5
SWPA	'DENISON 138KV'	10.59999	0.01263	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.3852	5
SWPA	'EUFAULA 138KV'	9.000004	0.01053	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.3873	5
SWPA	'EUFAULA 161KV'	12.4	0.01053	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.3873	5
KACP	'GARDNER 161KV'	11	-0.00656	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.40439	5
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.44594	5
SWPA	'GREERS FERRY 161KV'	16.6	0.00326	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39457	5
WERE	'HOLTON 115KV'	19.8	0.01167	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38616	5
SWPA	'INDEPENDENCE 161KV'	13	0.00273	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.3951	5
SWPA	'JONESBORO 161KV'	20	0.00108	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39675	5
SWPA	'KENNETT 69KV'	21.8	0.00008	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39775	5
MIPU	'LAKE ROAD 161KV'	91	-0.01573	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.41356	5
SWPA	'MALDEN 69KV'	10	-0.00227	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39881	5
KACP	'MARSHALL 161KV'	54.1	-0.01571	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.41354	5
KACP	'MONTROSE 161KV'	24.42657	-0.02083	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.41866	5
MIPU	'NEVADA 69KV'	20.3	-0.01068	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.40851	5
KACP	'NORTHEAST 13KV'	145.1914	-0.02906	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.42689	5
KACP	'NORTHEAST 161KV'	174	-0.02906	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.42689	5
SWPA	'OZARK 161KV'	64.90001	0.00733	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.3905	5
SWPA	'PARAGOULD 69KV'	12	0.00066	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39717	5
SWPA	'PIGGOTT 69KV'	7.5	-0.00005	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39788	5
SWPA	'POPULAR BLUFF 69KV'	7	-0.0006	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.39843	5
SWPA	'ROBERTS KERR 161KV'	74.5	0.00895	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38698	5
MIPU	'SIBLEY 161KV'	16.46988	-0.0335	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.43133	5
WERE	'SOUTH SENECA 115KV'	16.7	0.0093	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38853	5
INDN	'SUB H 69KV'	9.92986	-0.03262	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.43045	5
INDN	'SUB I 69KV'	38	-0.03284	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.43067	5
INDN	'SUBSTATION J 69KV'	30	-0.03277	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.4306	5
SWPA	'TRUMAN 161KV'	78.00002	-0.01315	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.41098	5
MIPU	'TWA 161KV'	32.1	-0.02448	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.42231	5
SWPA	'WEBBERS FALLS 161KV'	30	0.01064	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38719	5
WERE	'ABILENE ENERGY CENTER 115KV'	5.999996	0.02144	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37639	6
BPU	'CITY OF MCPHERSON 115KV'	21.02441	0.01961	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37822	6
WERE	'CHANUTE 69KV'	31.077	0.01724	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38059	6
WERE	'CITY OF AUGUSTA 69KV'	10.141	0.02609	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37174	6
WERE	'CITY OF BURLINGTON 69KV'	21.247	0.03392	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.36391	6
WERE	'CITY OF ERIE 69KV'	3.259999	0.01724	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38059	6
WERE	'CITY OF FREDONIA 69KV'	9.173	0.01916	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37867	6
WERE	'CITY OF GIRARD 69KV'	5.911	0.01526	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38257	6
WERE	'CITY OF IOLA 69KV'	13.361	0.01572	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38211	6
WERE	'CITY OF MULVANE 69KV'	7.502	0.02658	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37125	6
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.02691	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37092	6
WERE	'CITY OF WINFIELD 69KV'	12.038	0.02338	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37445	6
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	0.02209	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37574	6
WERE	'EMPORIA 345KV'	828	0.03315	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.36468	6
WERE	'EVANS ENERGY CENTER 138KV'	8	0.02694	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37089	6
WERE	'GETTY 69KV'	35	0.02581	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37202	6
WERE	'GILL ENERGY CENTER 138KV'	49	0.02641	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37142	6
WERE	'GILL ENERGY CENTER 69KV'	8	0.02642	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37141	6
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	0.01929	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37854	6
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	0.01929	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37854	6
WERE	'JEFFREY ENERGY CENTER 230KV'	24	0.01758	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37867	6
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01758	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38025	6
SWPA	'KEYSTONE DAM 161KV'	50	0.01342	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38441	6
WERE	'LAWRENCE ENERGY CENTER 230KV'	43.97229	0.02047	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37736	6
WERE	'OXFORD 138KV'	3	0.02412	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37371	6
WERE	'ST JOHN 115KV'	7.5	0.0172	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.38063	6
WERE	'TECUMSEH ENERGY CENTER 115KV'	3	0.02065	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37718	6
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.02048	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.37735	6
MIPU	'RALPH GREEN 69KV'	73.7	0.07367	MIPU	'SOUTH HARPER 161KV'	252.4078	0.39783	-0.32416	6
MIPU	'ARIES 161KV'	595	-0.0451	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.08666	24
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.08667	24
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CITY OF BURLINGTON 69KV'	34.753	0.03392	-0.08203	26
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.03392	-0.08203	26
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'CITY OF BURLINGTON 69KV'	34.753	0.03392	-0.07902	27
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.03392	-0.07902	27
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'EVANS ENERGY CENTER 138KV'	565	0.02694	-0.07055	28
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'GILL ENERGY CENTER 138KV'	171	0.02641	-0.07452	28
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'GILL ENERGY CENTER 69KV'	75	0.02642	-0.07453	28
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'WACO 138KV'	17.96	0.02646	-0.07457	28
MIPU	'SIBLEY 161KV'	16.46988	-0.0335	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.07056	28
MIPU	'SUB I 69KV'	38	-0.03284	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.0744	28
INDN	'SUBSTATION J 69KV'	30	-0.03277	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.07433	28
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'EVANS ENERGY CENTER 138KV'	565	0.02694	-0.07204	29
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CITY OF AUGUSTA 69KV'	24	0.02609	-0.0742	29
INDN	'SUB H 69KV'	9.92986	-0.03262	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.07418	29
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'CITY OF AUGUSTA 69KV'	24	0.02609	-0.07119	30
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'GILL ENERGY CENTER 138KV'	171	0.02641	-0.07151	30
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'GILL ENERGY CENTER 69KV'	75	0.02642	-0.07152	30
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'WACO 138KV'	17.96	0.02646	-0.07156	30
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02144	-0.06955	30
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CITY OF WINFIELD 69KV'	27.962	0.02338	-0.07149	30
KACP	'NORTHEAST 13KV'	145.1914	-0.02906	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.07062	30
KACP	'NORTHEAST 161KV'	174	-0.02906	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.07062	30
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'CITY OF WINFIELD 69KV'	27.962	0.02338	-0.06848	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	0.01961	-0.06772	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	0.01929	-0.0674	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.01929	-0.0674	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01916	-0.06727	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.0277	0.02047	-0.06858	31
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.02065	-0.06876	31
MIPU	'SIBLEY 161KV'	16.46988	-0.0335	WERE	'CITY OF BURLINGTON 69KV'	34.753	0.03392	-0.06742	31
MIPU	'SIBLEY 161KV'	16.46988	-0.0335	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.03392	-0.06742	31
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.02144	-0.06854	32
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'LAWRENCE ENERGY CENTER 230KV'	225.0277	0.02047	-0.06557	32
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	0.02065	-0.06675	32
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CHANUTE 69KV'	56.723	0.01724	-0.06535	32
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CITY OF ERIE 69KV'	23.27	0.01724	-0.06535	32
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01758	-0.06569	32
INDN	'SUB I 69KV'	38	-0.03284	WERE	'CITY OF BURLINGTON 69KV'	34.753	0.03392	-0.06676	32
INDN	'SUB I 69KV'	38	-0.03284	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.03392	-0.06676	32
INDN	'SUBSTATION J 69KV'	30	-0.03277	WERE	'CITY OF BURLINGTON 69KV'	34.753	0.03392	-0.06669	32
INDN	'SUBSTATION J 69KV'	30	-0.03277	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.97	0.03392	-0.06669	32
MIPU	'TWA 161KV'	32.1	-0.02448	KACP	'LACYGNE UNIT 345KV'	958	0.04156	-0.06604	32
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'BPU - CITY OF MCPHERSON 115KV'	152.9756	0.01961	-0.06471	33
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	0.01929	-0.06439	33
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.01929	-0.06439	33
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01916	-0.06426	33
MIPU	'GREENWOOD 161KV'	255.8	-0.04811	WERE	'CITY OF IOLA 69KV'	24.267	0.01572	-0.06383	33
MIPU	'ARIES 161KV'	595	-0.0451	WERE	'CHANUTE 69KV'	56.723	0.01		

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

KACP	NORTHEAST 161KV	174	-0.02906	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.06298	34
KACP	NORTHEAST 161KV	174	-0.02906	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.06298	34
MIPU	ARIES 161KV	595	-0.04511	SWPA	CITY OF IOLA 69KV	24.267	0.01572	-0.06082	35
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	DENISON 138KV	59.40001	0.01263	-0.06074	35
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	EVANS ENERGY CENTER 138KV	565	0.0264	-0.05992	35
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05991	35
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.05992	35
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	WACO 138KV	17.96	0.02646	-0.05996	35
INDN	SUB I 69KV	38	-0.03284	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.05978	35
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.05971	35
MIPU	ARIES 161KV	595	-0.04511	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.05852	36
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	EUFULA 138KV	51	0.01053	-0.05864	36
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	EUFULA 161KV	69.6	0.01053	-0.05864	36
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.05875	36
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05859	36
INDN	SUB I 69KV	38	-0.03284	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05859	36
INDN	SUB I 69KV	38	-0.03284	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05925	36
INDN	SUB I 69KV	38	-0.03284	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.05926	36
INDN	SUB I 69KV	38	-0.03284	WERE	WACO 138KV	17.96	0.02646	-0.0593	36
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05886	36
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05918	36
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.05919	36
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	WACO 138KV	17.96	0.02646	-0.05923	36
MIPU	TWA 161KV	32.1	-0.02448	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.0584	36
MIPU	TWA 161KV	32.1	-0.02448	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.0584	36
MIPU	ARIES 161KV	595	-0.04511	SWPA	DENISON 138KV	59.40001	0.01263	-0.0584	37
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	BEAVER 161KV	137.7023	0.00873	-0.05684	37
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.05756	37
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	CARTHAGE 69KV	30	0.00855	-0.05666	37
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.05696	37
MIPU	LAKE ROAD 161KV	91	-0.01573	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.05729	37
KACP	MARSHALL 161KV	54.1	-0.01571	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.05727	37
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.05688	37
MIPU	ARIES 161KV	595	-0.04511	SWPA	EUFULA 138KV	51	0.01053	-0.05663	38
MIPU	ARIES 161KV	595	-0.04511	SWPA	EUFULA 161KV	69.6	0.01053	-0.05663	38
MIPU	ARIES 161KV	595	-0.04511	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.05674	38
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	OZARK 161KV	130.6	0.00733	-0.05544	38
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05515	38
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.056	38
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05547	38
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.05548	38
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	WACO 138KV	17.96	0.02646	-0.05552	38
KACP	NORTHEAST 161KV	174	-0.02906	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05515	38
KACP	NORTHEAST 161KV	174	-0.02906	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.056	38
KACP	NORTHEAST 161KV	174	-0.02906	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05547	38
KACP	NORTHEAST 161KV	174	-0.02906	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.05548	38
KACP	NORTHEAST 161KV	174	-0.02906	WERE	WACO 138KV	17.96	0.02646	-0.05552	38
INDN	SUB I 69KV	38	-0.03284	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.05622	38
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.05615	38
MIPU	ARIES 161KV	595	-0.04511	SWPA	BEAVER 161KV	137.7023	0.00873	-0.05383	39
MIPU	ARIES 161KV	595	-0.04511	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.05455	39
MIPU	ARIES 161KV	595	-0.04511	SWPA	CARTHAGE 69KV	30	0.00855	-0.05365	39
MIPU	ARIES 161KV	595	-0.04511	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.05395	39
KACP	MONTROSE 161KV	24.42657	-0.02083	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.05475	39
KACP	MONTROSE 161KV	24.42657	-0.02083	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.05475	39
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.05494	39
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.05397	39
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.05415	39
INDN	SUB I 69KV	38	-0.03284	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.05428	39
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.05421	39
SWPA	TRUMAN 161KV	78.00002	-0.01315	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.05471	39
MIPU	ARIES 161KV	595	-0.04511	SWPA	OZARK 161KV	130.6	0.00733	-0.05243	40
MIPU	NEVADA 69KV	20.3	-0.01068	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.05224	40
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.05244	40
KACP	NORTHEAST 161KV	174	-0.02906	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.05244	40
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.05311	40
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.05279	40
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.05279	40
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.05266	40
INDN	SUB I 69KV	38	-0.03284	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.05245	40
INDN	SUB I 69KV	38	-0.03284	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.05331	40
INDN	SUB I 69KV	38	-0.03284	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.05349	40
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.05238	40
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.05324	40
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.05342	40
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	BULL SHOALS 161KV	278.7	0.00381	-0.05194	41
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.05137	41
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.05108	41
INDN	SUB I 69KV	38	-0.03284	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.05213	41
INDN	SUB I 69KV	38	-0.03284	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.05213	41
INDN	SUB I 69KV	38	-0.03284	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.052	41
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.05206	41
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.05206	41
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.05193	41
MIPU	TWA 161KV	32.1	-0.02448	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.05142	41
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.0505	42
KACP	NORTHEAST 161KV	174	-0.02906	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.0505	42
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	CHANUTE 69KV	56.723	0.01724	-0.05074	42
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.05074	42
INDN	SUB I 69KV	38	-0.03284	WERE	CHANUTE 69KV	56.723	0.01724	-0.05008	42
INDN	SUB I 69KV	38	-0.03284	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.05008	42
INDN	SUB I 69KV	38	-0.03284	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.05042	42
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	CHANUTE 69KV	56.723	0.01724	-0.05001	42
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.05001	42
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.05035	42
MIPU	TWA 161KV	32.1	-0.02448	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.05057	42
MIPU	TWA 161KV	32.1	-0.02448	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.05089	42
MIPU	TWA 161KV	32.1	-0.02448	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.0509	42
MIPU	TWA 161KV	32.1	-0.02448	WERE	WACO 138KV	17.96	0.02646	-0.05094	42
MIPU	ARIES 161KV	595	-0.04511	SWPA	BULL SHOALS 161KV	278.7	0.00383	-0.04893	43
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	JONESBORO 161KV	43	0.00108	-0.04919	43
MIPU	GREENWOOD 161KV	255.8	-0.04811	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.0496	43
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.04965	43
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.04965	43
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.04963	43
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.04963	43
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.04867	43
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.04953	43
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.04971	43
KACP	NORTHEAST 161KV	174	-0.02906	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.04867	43
KACP	NORTHEAST 161KV	174	-0.02906	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.04953	43
KACP	NORTHEAST 161KV	174	-0.02906	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.04971	43
MIPU	SIBLEY 161KV	16.46988	-0.0335	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.04922	43
MIPU	ARIES 161KV	595	-0.04511	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.04936	44
KACP	MONTROSE 161KV	24.42657	-0.02083	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.04777	44
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	HUTCHINSON ENERGY CENTER 115KV	315</			

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

KACP	NORTHEAST 161KV	174	-0.02906	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.04835	44
KACP	NORTHEAST 161KV	174	-0.02906	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.04822	44
INDN	SUB I 69KV	38	-0.03284	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.04856	44
INDN	SUBSTATION J 69KV	30	-0.03277	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.04849	44
MIPU	TWA 161KV	32.1	-0.02448	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.04786	44
MIPU	ARIES 161KV	595	-0.0451	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.04659	45
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	SIKESTON 161KV	235	-0.00095	-0.04718	45
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.04692	45
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.04724	45
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.04725	45
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	WACO 138KV	17.96	0.02646	-0.04729	45
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.04664	45
KACP	NORTHEAST 161KV	174	-0.02906	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.04664	45
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.04692	45
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.04707	45
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.04707	45
MIPU	ARIES 161KV	595	-0.0451	SWPA	JONESBORO 161KV	43	0.00108	-0.04618	46
KACP	BULL CREEK 161KV	65	-0.00404	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.0456	46
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	CHANUTE 69KV	56.723	0.01724	-0.0463	46
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.0463	46
KACP	NORTHEAST 161KV	174	-0.02906	WERE	CHANUTE 69KV	56.723	0.01724	-0.0463	46
KACP	NORTHEAST 161KV	174	-0.02906	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.0463	46
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	DENISON 138KV	59.40001	0.01263	-0.04613	46
INDN	SUB I 69KV	38	-0.03284	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.04626	46
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.04619	46
MIPU	TWA 161KV	32.1	-0.02448	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.04592	46
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.0446	47
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.0446	47
KACP	NORTHEAST 13KV	145.1914	-0.02906	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.04478	47
KACP	NORTHEAST 161KV	174	-0.02906	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.04478	47
INDN	SUB I 69KV	38	-0.03284	SWPA	DENISON 138KV	59.40001	0.01263	-0.04547	47
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	DENISON 138KV	59.40001	0.01263	-0.0454	47
MIPU	TWA 161KV	32.1	-0.02448	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.04495	47
MIPU	TWA 161KV	32.1	-0.02448	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.04513	47
MIPU	ARIES 161KV	595	-0.0451	SWPA	SIKESTON 161KV	235	-0.00095	-0.04415	48
MIPU	GREENWOOD 161KV	255.8	-0.04811	KACP	BULL CREEK 161KV	308	-0.00404	-0.04407	48
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.04421	48
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	EUFULA 138KV	51	0.01053	-0.04403	48
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	EUFULA 161KV	69.6	0.01053	-0.04403	48
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.04414	48
MIPU	TWA 161KV	32.1	-0.02448	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.04409	48
MIPU	TWA 161KV	32.1	-0.02448	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.04377	48
MIPU	TWA 161KV	32.1	-0.02448	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.04377	48
MIPU	TWA 161KV	32.1	-0.02448	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.04364	48
MIPU	GREENWOOD 161KV	255.8	-0.04811	KACP	JATAN 345KV	396	-0.00514	-0.04297	48
MIPU	SIBBLEY 161KV	16.46988	-0.0335	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.04293	49
INDN	SUB I 69KV	38	-0.03284	SWPA	EUFULA 138KV	51	0.01053	-0.04337	49
INDN	SUB I 69KV	38	-0.03284	SWPA	EUFULA 161KV	69.6	0.01053	-0.04337	49
INDN	SUB I 69KV	38	-0.03284	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.04348	49
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	EUFULA 138KV	51	0.01053	-0.0433	49
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	EUFULA 161KV	69.6	0.01053	-0.0433	49
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.04341	49
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.04267	50
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.04214	50
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.04215	50
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	WACO 138KV	17.96	0.02646	-0.04219	50
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.04265	50
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.04212	50
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.04213	50
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	WACO 138KV	17.96	0.02646	-0.04217	50
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.04227	50
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.04248	50
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.04248	50
INDN	SUB I 69KV	38	-0.03284	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.04229	50
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.04222	50
MIPU	TWA 161KV	32.1	-0.02448	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.04206	50
SWPA	KENNETT 69KV	21.8	0.00008	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.04148	51
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.04182	51
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.0418	51
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.0413	51
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.04148	51
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	DENISON 138KV	59.40001	0.01263	-0.04169	51
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	DENISON 138KV	59.40001	0.01263	-0.04169	51
INDN	SUB I 69KV	38	-0.03284	SWPA	BEAVER 161KV	137.7023	0.00873	-0.04157	51
INDN	SUB I 69KV	38	-0.03284	SWPA	CARTHAGE 69KV	30	0.00855	-0.04139	51
INDN	SUB I 69KV	38	-0.03284	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.04169	51
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	BEAVER 161KV	137.7023	0.00873	-0.0415	51
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	CARTHAGE 69KV	30	0.00855	-0.04132	51
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.04162	51
MIPU	TWA 161KV	32.1	-0.02448	WERE	CHANUTE 69KV	56.723	0.01724	-0.04172	51
MIPU	TWA 161KV	32.1	-0.02448	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.04172	51
MIPU	ARIES 161KV	595	-0.0451	KACP	BULL CREEK 161KV	308	-0.00404	-0.04106	52
SWPA	JONESBORO 161KV	20	0.00108	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.04048	52
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.04044	52
MIPU	ARIES 161KV	595	-0.0451	KACP	JATAN 345KV	396	-0.00514	-0.03996	53
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.04012	53
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.04012	53
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.03999	53
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	EUFULA 138KV	51	0.01053	-0.03959	53
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	EUFULA 161KV	69.6	0.01053	-0.03959	53
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.0397	53
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	EUFULA 138KV	51	0.01053	-0.03959	53
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	EUFULA 161KV	69.6	0.01053	-0.03959	53
INDN	SUB I 69KV	38	-0.03284	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.0397	53
INDN	SUB I 69KV	38	-0.03284	SWPA	OZARK 161KV	130.6	0.00733	-0.04017	53
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	OZARK 161KV	130.6	0.00733	-0.0401	53
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.04009	53
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.03956	53
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.03957	53
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	WACO 138KV	17.96	0.02646	-0.03961	53
MIPU	TWA 161KV	32.1	-0.02448	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.0402	53
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	CLARENCE CANNON DAM 69KV	39.2	-0.0087	-0.03941	54
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.03911	54
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.03909	54
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.03924	54
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.03841	55
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.03851	55
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.03851	55
KACP	BULL CREEK 161KV	65	-0.00404	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.03796	56
KACP	BULL CREEK 161KV	65	-0.00404	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.97	0.03392	-0.03796	56
SWPA	BULL SHOALS 161KV	110.9	0.00383	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.03773	56
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	CHANUTE 69KV	56.723	0.01724	-0.03807	56
KACP	MONROSE 161KV	24.2657	-0.02083	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.03807	56
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	EVANS ENERGY CENTER 138KV	565	0.02694	-0.03762	56
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	BEAVER 161KV	137.7023	0.00873	-0.03779	56
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	CARTHAGE 69KV	30	0.00855	-0.03761	56

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

KACP	NORTHEAST 161KV	174	-0.02906	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.03791	56
MIPU	TWA 161KV	32.1	-0.02448	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.0379	56
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.03717	57
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.03715	57
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	GILL ENERGY CENTER 138KV	76	0.02642	-0.03709	57
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	GILL ENERGY CENTER 69KV	76	0.02642	-0.0371	57
MIPU	TWA 161KV	32.1	-0.02448	SWPA	DENISON 138KV	59.40001	0.01263	-0.03711	57
MIPU	ARIES 161KV	595	-0.0451	SWPA	CLARENCE CANNON DAM 69KV	39.2	-0.0087	-0.0364	58
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.0362	58
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.03638	58
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.03618	58
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.03636	58
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	CITY OF IOLA 69KV	24.267	0.01572	-0.03655	58
MIPU	NEVADA 69KV	20.3	-0.01068	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.03677	58
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	OZARK 161KV	130.6	0.00733	-0.03639	58
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	OZARK 161KV	130.6	0.00733	-0.03639	58
INDN	SUB I 69KV	38	-0.03284	SWPA	BULL SHOALS 161KV	278.7	0.00383	-0.03667	58
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	BULL SHOALS 161KV	278.7	0.00383	-0.0366	58
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	CITY OF WINFIELD 69KV	27.962	0.02338	-0.03653	58
INDN	SUB I 69KV	38	-0.03284	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.0361	59
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.03603	59
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.03534	60
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.03502	60
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	HUTCHINSON ENERGY CENTER 69KV	315	0.01929	-0.03502	60
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.03532	60
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.035	60
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	HUTCHINSON ENERGY CENTER 69KV	315	0.01929	-0.035	60
MIPU	TWA 161KV	32.1	-0.02448	SWPA	EUFULA 138KV	51	0.01053	-0.03501	60
MIPU	TWA 161KV	32.1	-0.02448	SWPA	EUFULA 161KV	69.6	0.01053	-0.03501	60
MIPU	TWA 161KV	32.1	-0.02448	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.03512	60
MIPU	GREENWOOD 161KV	255.8	-0.04811	SWPA	TRUMAN 161KV	102	-0.01315	-0.03496	61
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.03489	61
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.03487	61
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	ABILENE ENERGY CENTER 115KV	40	0.02144	-0.03459	61
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	KEYSTONE DAM 161KV	150.2	0.01342	-0.03425	62
SWPA	OZARK 161KV	64.90001	0.00733	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.03423	62
INDN	SUB I 69KV	38	-0.03284	SWPA	JONESBORO 161KV	43	0.00108	-0.03392	62
INDN	SUB I 69KV	38	-0.03284	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.03433	62
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	JONESBORO 161KV	43	0.00108	-0.03385	62
INDN	SUBSTATION J 69KV	30	-0.03277	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.03426	62
MIPU	TWA 161KV	32.1	-0.02448	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.03393	62
SWPA	KENNETT 69KV	21.8	0.00008	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.03384	63
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	DENISON 138KV	59.40001	0.01263	-0.03346	63
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	LAWRENCE ENERGY CENTER 230KV	225.0277	0.02047	-0.03362	63
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	TECUMSEH ENERGY CENTER 115KV	158	0.02065	-0.03338	63
MIPU	TWA 161KV	32.1	-0.02448	SWPA	ROBERT S. KERR 161KV	314.2	0.00885	-0.0333	63
SWPA	BEAVER 161KV	27.89772	0.00873	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.03283	64
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CHANUTE 69KV	56.723	0.01724	-0.03297	64
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.03297	64
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.03331	64
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CHANUTE 69KV	56.723	0.01724	-0.03295	64
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CITY OF ERIE 69KV	23.27	0.01724	-0.03295	64
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.03329	64
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	BULL SHOALS 161KV	278.7	0.00383	-0.03289	64
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	BULL SHOALS 161KV	278.7	0.00383	-0.03289	64
MIPU	TWA 161KV	32.1	-0.02448	SWPA	BEAVER 161KV	137.7023	0.00873	-0.03321	64
MIPU	TWA 161KV	32.1	-0.02448	SWPA	CARTHAGE 69KV	30	0.00855	-0.03303	64
MIPU	GREENWOOD 161KV	255.8	-0.04811	MIPU	LAKE ROAD 161KV	35	-0.01573	-0.03238	65
MIPU	GREENWOOD 161KV	255.8	-0.04811	MIPU	LAKE ROAD 34KV	92	-0.01573	-0.03238	65
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.03232	65
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	GREERS FERRY 161KV	93.4	0.00326	-0.03232	65
SWPA	ROBERT S. KERR 161KV	74.5	0.00885	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.03271	65
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	BPU - CITY OF MCPHERSON 115KV	152.9756	0.01961	-0.03276	65
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	HUTCHINSON ENERGY CENTER 115KV	315	0.01929	-0.03244	65
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.01929	-0.03244	65
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01916	-0.03231	65
MIPU	ARIES 161KV	595	-0.0451	SWPA	TRUMAN 161KV	102	-0.01315	-0.03195	66
INDN	SUB I 69KV	38	-0.03284	SWPA	SIKESTON 161KV	235	-0.0095	-0.03189	66
INDN	SUBSTATION J 69KV	30	-0.03277	SWPA	SIKESTON 161KV	235	-0.0095	-0.03182	66
MIPU	LAKE ROAD 161KV	91	-0.01573	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.03145	67
KACP	MARSHALL 161KV	54.1	-0.01571	WERE	CITY OF IOLA 69KV	24.267	0.01572	-0.03143	67
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	EUFULA 138KV	51	0.01053	-0.03136	67
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	EUFULA 161KV	69.6	0.01053	-0.03136	67
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	WEBBERS FALLS 161KV	39	0.01064	-0.03147	67
MIPU	TWA 161KV	32.1	-0.02448	SWPA	OZARK 161KV	130.6	0.00733	-0.03181	67
KACP	BULL CREEK 161KV	65	-0.04044	WERE	EVANS ENERGY CENTER 138KV	85	0.02694	-0.03098	68
SWPA	WEBBERS FALLS 161KV	30	0.01064	KACP	LACYGNE UNIT 345KV	958	0.04156	-0.03092	68
KACP	BULL CREEK 161KV	65	-0.04044	WERE	GILL ENERGY CENTER 138KV	171	0.02641	-0.03045	69
KACP	BULL CREEK 161KV	65	-0.04044	WERE	GILL ENERGY CENTER 69KV	75	0.02642	-0.03046	69
KACP	NORTHEAST 13KV	145.1914	-0.02906	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.03055	69
KACP	NORTHEAST 161KV	174	-0.02906	KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00149	-0.03055	69
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01758	-0.03073	69
KACP	BULL CREEK 161KV	65	-0.04044	WERE	CITY OF AUGUSTA 69KV	24	0.02609	-0.03013	70
SWPA	BULL SHOALS 161KV	110.9	0.00383	WERE	CITY OF BURLINGTON 69KV	34.753	0.03392	-0.03009	70
KACP	MONTROSE 161KV	24.42657	-0.02083	SWPA	BROKEN BOW 138KV	93.4	0.00945	-0.03028	70
KACP	NORTHEAST 13KV	145.1914	-0.02906	SWPA	JONESBORO 161KV	43	0.00108	-0.03014	70
KACP	NORTHEAST 161KV	174	-0.02906	SWPA	JONESBORO 161KV	43	0.00108	-0.03014	70
SWPA	TRUMAN 161KV	78.00002	-0.01315	WERE	CHANUTE 69KV	56.723	0.01724	-0.03039	70

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: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57368573811568725687312208WP
 Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2008 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161506	7.6	10.3
1162075	1.4	10.3
1162678	0.7	10.3
1162681	0.7	10.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	S'MOKEY HILLS 34KV	152	0.06205	-0.34662	30
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.01959	-0.30416	34
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	EMPORIA 345KV	380	0.00734	-0.29191	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01386	-0.29843	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	LAWRENCE ENERGY CENTER 230KV	132.057	0.00692	-0.29149	35
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	AES 161KV	320	-0.0005	-0.28407	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	ASBURY 161KV	181	0.00112	-0.28569	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	CHANUTE 69KV	34.903	0.00118	-0.28575	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	CITY OF AUGUSTA 69KV	15	0.00027	-0.28484	36
WERE	BPU - CITY OF MCPHERSON 115KV	259							

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

WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00214	-0.28671	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	COGENTRIX 345KV	200	-0.00073	-0.28384	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	EASTMAN 138KV	355	-0.00092	-0.28365	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	ELK RIVER 345KV	150	0.00088	-0.28545	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	FITZHUGH 161KV	126	-0.00039	-0.28418	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	FLINT CREEK 161KV	400	0.00003	-0.28485	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	FULTON 115KV	32.99999	-0.00086	-0.28371	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACP	HAWTHORN 161KV	455	0.00428	-0.28885	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACP	IATAN 345KV	396	0.00627	-0.29084	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	KNOXLEE 138KV	103	-0.00091	-0.28366	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	L&D13 69KV	24	-0.00044	-0.28413	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.28835	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIPU	LAKE ROAD 161KV	35	0.00362	-0.28819	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIPU	LAKE ROAD 34KV	32	0.00362	-0.28819	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	LEBROCK 345KV	315	-0.00092	-0.28365	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACP	MARSHALL 161KV	15	0.00234	-0.28691	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACP	MONTROSE 161KV	205.0929	0.00372	-0.28829	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	MUSKOGEE 345KV	1516	-0.00076	-0.28381	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACY	NEARMAN 161KV	18.16388	0.00484	-0.28941	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACY	NEARMAN 20KV	220	0.00484	-0.28941	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	NORTHEASTERN STATION 138KV	240	-0.00029	-0.28428	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	NORTHEASTERN STATION 345KV	600	-0.00015	-0.28442	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	OEC 345KV	219	-0.00055	-0.28402	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	OZARK BEACH 161KV	16	0.00066	-0.28523	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	PIRKEY GENERATION 138KV	450	-0.00092	-0.28365	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACY	QUINDARO 161KV	116.942	0.00485	-0.28322	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	KACY	QUINDARO 69KV	72	0.0048	-0.28937	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00072	-0.28385	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	RIVERTON 161KV	38	0.00082	-0.28539	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	RIVERTON 69KV	44.59597	0.0008	-0.28537	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.28853	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIPU	SIBLEY 69KV	45.99999	0.00403	-0.2886	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIPU	SOUTH HARPER 161KV	75.19196	0.00447	-0.28904	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	EMDE	STATE LINE 161KV	356.7808	0.00082	-0.28539	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	WELSH 345KV	975.0001	-0.00103	-0.28354	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	WILKES 138KV	134.7028	-0.00095	-0.28362	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	WILKES 345KV	186.6942	-0.00094	-0.28363	36
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	SMOKEY HILLS 34KV	152	0.08205	-0.28498	36
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	SMOKEY HILLS 34KV	162	0.06205	-0.28476	36
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	COMANCHE 138KV	150	-0.00484	-0.27973	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	COMANCHE 69KV	63	-0.00477	-0.2798	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	FPLWIND2 34KV	61.9956	-0.00422	-0.28035	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	MCLAIN 138KV	478	-0.00256	-0.28201	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	REDBUD 345KV	250	-0.00209	-0.28248	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	SEMINOLE 138KV	448.9081	-0.0024	-0.28217	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	SEMINOLE 345KV	590.52	-0.00235	-0.28222	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	SMITH COGEN 138KV	120	-0.0025	-0.28206	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	SOONER 138KV	505	-0.00171	-0.28286	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	OKGE	SOONER 345KV	513	-0.00187	-0.2827	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00467	-0.2799	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WERE	WACO 138KV	17.414	-0.00252	-0.28205	37
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.03194	-0.25263	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.01959	-0.24252	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.01959	-0.2423	43
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01386	-0.23879	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01386	-0.23857	44
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	EMPORIA 345KV	380	0.00734	-0.23027	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACP	IATAN 345KV	396	0.00627	-0.2292	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.00692	-0.22985	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACY	NEARMAN 161KV	18.16388	0.00484	-0.22777	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACY	NEARMAN 20KV	220	0.00484	-0.22777	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACY	QUINDARO 161KV	116.942	0.00482	-0.22775	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACY	QUINDARO 69KV	72	0.0048	-0.22773	45
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIPU	SOUTH HARPER 161KV	75.19196	0.00447	-0.2274	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	EMPORIA 345KV	380	0.00734	-0.23005	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	IATAN 345KV	396	0.00627	-0.22963	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.00692	-0.22963	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACY	NEARMAN 161KV	18.16388	0.00484	-0.22755	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACY	NEARMAN 20KV	220	0.00484	-0.22755	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACY	QUINDARO 161KV	116.942	0.00482	-0.22753	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACY	QUINDARO 69KV	72	0.0048	-0.22751	45
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.22362	46
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05826	-0.22631	46
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.28457	WEPL	JUDSON LARGE 115KV	24.01537	-0.05825	-0.22632	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	ASBURY 161KV	181	0.00112	-0.22405	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	CHAMUTE 69KV	34.903	0.00118	-0.22411	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	CITY OF BURLINGTON 69KV	20.393	0.00214	-0.22507	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	CITY OF IOLA 69KV	19.902	0.0014	-0.22433	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00214	-0.22507	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	EMDE	ELK RIVER 345KV	150	0.00088	-0.22381	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	FITZHUGH 161KV	126	-0.00039	-0.22254	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	FLINT CREEK 161KV	400	0.00003	-0.22296	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACP	HAWTHORN 161KV	455	0.00428	-0.22721	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.22671	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIPU	LAKE ROAD 161KV	35	0.00362	-0.22655	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIPU	LAKE ROAD 34KV	32	0.00362	-0.22655	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	KACP	MONTROSE 161KV	205.0929	0.00372	-0.22665	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	NORTHEASTERN STATION 138KV	240	-0.00029	-0.22264	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	NORTHEASTERN STATION 345KV	600	-0.00015	-0.22278	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	EMDE	OZARK BEACH 161KV	16	0.00066	-0.22359	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	EMDE	RIVERTON 161KV	38	0.00082	-0.22375	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	EMDE	RIVERTON 69KV	44.59597	0.0008	-0.22373	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.22689	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIPU	SIBLEY 69KV	45.99999	0.00403	-0.22696	46
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	EMDE	STATE LINE 161KV	356.7808	0.00082	-0.22375	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	EMDE	ASBURY 161KV	181	0.00112	-0.22383	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	CHAMUTE 69KV	34.903	0.00118	-0.22389	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	CITY OF BURLINGTON 69KV	20.393	0.00214	-0.22485	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	CITY OF IOLA 69KV	19.902	0.0014	-0.22411	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00214	-0.22485	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	EMDE	ELK RIVER 345KV	150	0.00088	-0.22359	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	FLINT CREEK 161KV	400	0.00003	-0.22274	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACP	HAWTHORN 161KV	455	0.00428	-0.22699	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.22649	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	MIPU	LAKE ROAD 161KV	35	0.00362	-0.22633	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	MIPU	LAKE ROAD 34KV	32	0.00362	-0.22633	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	KACP	MONTROSE 161KV	205.0929	0.00372	-0.22643	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	NORTHEASTERN STATION 345KV	600	-0.00015	-0.22266	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	EMDE	OZARK BEACH 161KV	16	0.00066	-0.22337	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	EMDE	RIVERTON 161KV	38	0.00082	-0.22353	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	EMDE	RIVERTON 69KV	44.59597	0.0008	-0.22351	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.22667	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	MIPU	SIBLEY 69KV	45.99999	0.00403	-0.22674	46
WERE	HUTCHINSON ENERGY CENTER 69KV	6							

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

WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	EASTMAN 138KV	355	-0.00092	-0.22201	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	FPLWIND2 34KV	61.9956	-0.00422	-0.21871	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	FULTON 115KV	32.99999	-0.00086	-0.22207	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	KNOXLEE 138KV	103	-0.00091	-0.22202	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	L&D13 69KV	24	-0.00047	-0.22249	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	LEBROCK 345KV	315	-0.00092	-0.22201	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	MCCLAINE 138KV	478	-0.00256	-0.22037	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	MUSKOGEE 345KV	1516	-0.00076	-0.22217	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	OEC 345KV	219	-0.00055	-0.22238	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	PIRKEY GENERATION 138KV	450	-0.00092	-0.22201	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	REDBUD 345KV	250	-0.00209	-0.22084	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00072	-0.22221	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	SEMINOLE 138KV	448.9081	-0.0024	-0.22053	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	SEMINOLE 345KV	590.52	-0.00235	-0.22058	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	SMITH COGEN 138KV	120	-0.00251	-0.22042	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	SOONER 138KV	505	-0.00171	-0.22122	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	OKGE	SOONER 345KV	513	-0.00187	-0.22106	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00467	-0.21826	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WERE	WACO 138KV	17.414	-0.00252	-0.22041	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	WELSH 345KV	975.0001	-0.00103	-0.2219	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	WILKES 138KV	134.7028	-0.00095	-0.22198	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	AEPW	WILKES 345KV	186.6942	-0.00094	-0.22199	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	AES 161KV	320	-0.0005	-0.22221	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	COGENTRIX 345KV	200	-0.00073	-0.22198	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	COMANCHE 138KV	160	-0.00484	-0.21787	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	COMANCHE 69KV	240	-0.00477	-0.21794	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	EASTMAN 138KV	355	-0.00092	-0.22179	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	FITZHUGH 161KV	126	-0.00039	-0.22232	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	FPLWIND2 34KV	61.9956	-0.00422	-0.21849	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	FULTON 115KV	32.99999	-0.00086	-0.22185	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	KNOXLEE 138KV	103	-0.00091	-0.2218	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	L&D13 69KV	24	-0.00044	-0.22227	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	LEBROCK 345KV	315	-0.00092	-0.22179	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	MCCLAINE 138KV	478	-0.00256	-0.22015	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	MUSKOGEE 345KV	1516	-0.00078	-0.22195	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	NORTHEASTERN STATION 138KV	29	-0.00467	-0.21804	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	OEC 345KV	219	-0.00055	-0.22216	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	PIRKEY GENERATION 138KV	450	-0.00092	-0.22179	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	REDBUD 345KV	250	-0.00209	-0.22062	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00072	-0.22199	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	SEMINOLE 138KV	448.9081	-0.0024	-0.22031	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	SEMINOLE 345KV	590.52	-0.00235	-0.22036	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	SMITH COGEN 138KV	120	-0.00251	-0.2202	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	SOONER 138KV	505	-0.00171	-0.221	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	OKGE	SOONER 345KV	513	-0.00187	-0.22084	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00467	-0.21804	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WERE	WACO 138KV	17.414	-0.00252	-0.22019	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	WELSH 345KV	975.0001	-0.00103	-0.22168	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	WILKES 138KV	134.7028	-0.00095	-0.22176	47
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	AEPW	WILKES 345KV	186.6942	-0.00094	-0.22177	47
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.03194	-0.19099	54
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.03194	-0.19077	54
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	-0.01959	-0.18116	57
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	JEFFREY ENERGY CENTER 230KV	470	0.1386	-0.17543	59
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	EMPORIA 345KV	380	0.00734	-0.16891	81
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	-0.00692	-0.16849	61
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACP	HAWTHORN 161KV	455	0.00428	-0.16585	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACP	IATAN 345KV	396	0.00627	-0.16784	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACY	NEARMAN 20KV	220	0.00484	-0.16641	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACY	QUINDARO 161KV	116.942	0.00482	-0.16639	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACY	QUINDARO 69KV	72	0.0048	-0.16637	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIPU	SIBLEY 69KV	45.99999	0.00403	-0.1656	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIPU	SOUTH HARPER 161KV	75.1916	0.00447	-0.16604	62
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.16535	63
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIPU	LAKE ROAD 161KV	35	0.00362	-0.16519	63
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIPU	LAKE ROAD 345KV	92	0.00362	-0.16519	63
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	KACP	MONTROSE 161KV	205.0299	0.00372	-0.16529	63
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.16553	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.10232	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.16437	63
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05826	-0.16467	63
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.22293	WEPL	JUDSON LARGE 115KV	24.01537	-0.05825	-0.16468	63
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.05826	-0.16445	63
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.22271	WEPL	JUDSON LARGE 115KV	24.01537	-0.05825	-0.16446	63
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	AES 161KV	320	-0.0005	-0.16107	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	EMDE	ASBURY 161KV	181	0.00112	-0.16269	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	WERE	CHANUTE 69KV	34.9003	0.00118	-0.16278	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	COGENTRIX 345KV	200	-0.00073	-0.16084	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	EASTMAN 138KV	355	-0.00092	-0.16065	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	EMDE	ELK RIVER 345KV	150	0.00088	-0.16245	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	FITZHUGH 161KV	126	-0.00039	-0.16118	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	FLINT CREEK 161KV	400	0.00003	-0.1616	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	FULTON 115KV	32.99999	-0.00086	-0.16071	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	KNOXLEE 138KV	103	-0.00091	-0.16066	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	L&D13 69KV	24	-0.00044	-0.16113	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	LEBROCK 345KV	315	-0.00092	-0.16065	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	MUSKOGEE 345KV	1516	-0.00076	-0.16081	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	NORTHEASTERN STATION 138KV	29	-0.00029	-0.16128	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	NORTHEASTERN STATION 345KV	600	-0.00015	-0.16142	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	OEC 345KV	219	-0.00055	-0.16102	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	PIRKEY GENERATION 138KV	450	-0.00092	-0.16065	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00072	-0.16085	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	EMDE	RIVERTON 161KV	38	0.00082	-0.16239	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	EMDE	RIVERTON 69KV	44.95997	0.0008	-0.16237	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	EMDE	STATE LINE 161KV	356.7808	0.00082	-0.16239	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	WELSH 345KV	975.0001	-0.00103	-0.16054	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	WILKES 138KV	134.7028	-0.00095	-0.16062	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	WILKES 345KV	186.6942	-0.00094	-0.16063	64
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	MCCLAINE 138KV	478	-0.00256	-0.15901	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	REDBUD 345KV	250	-0.00209	-0.15948	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	SEMINOLE 138KV	448.9081	-0.0024	-0.15917	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	SEMINOLE 345KV	590.52	-0.00235	-0.15922	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	SMITH COGEN 138KV	120	-0.00251	-0.15906	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	SOONER 138KV	505	-0.00171	-0.15986	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	SOONER 345KV	513	-0.00187	-0.1597	65
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	COMANCHE 138KV	160	-0.00484	-0.15873	66
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	COMANCHE 69KV	63	-0.00477	-0.15868	66
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	OKGE	FPLWIND2 34KV	61.9956	-0.00422	-0.15735	66
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00467	-0.1569	66
WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.08924	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.15129	68
MIDW	lyons 115kv	999	-0.07683	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.13888	74
MIDW	pawnee 115kv	999	-0.07683	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.13888	74
MIDW	rice 115kv	999	-0.07683	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.13888	74
WERE	ABILENE ENERGY CENTER 115KV	66	-0.16157	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.03194	-0.12963	80
WEPL	RUSSELL 115KV	27.9	-0.06784	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.12989	80
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.10232	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	-0.01959	-0.1219	

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

WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.01959	-0.10883	95
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACP	IATAN 345KV'	396	0.00627	-0.10859	95
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	WERE	LAWRENCE ENERGY CENTER 230KV'	132.0757	0.00692	-0.10924	95
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACP	HAWTHORN 161KV'	455	0.00428	-0.1066	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACP	NEARMAN 20KV'	220	0.00484	-0.10712	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACY	QUINDARO 161KV'	116.942	0.00482	-0.10714	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACY	QUINDARO 69KV'	72	0.0048	-0.10712	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	MIPU	SIBLEY 161KV'	229.1608	0.00396	-0.10628	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	MIPU	SIBLEY 69KV'	45.99999	0.00403	-0.10635	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	MIPU	SOUTH HARPER 161KV'	75.19196	0.00447	-0.10679	97
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACP	LACYGNE UNIT 345KV'	958	0.00378	-0.1061	98
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	MIPU	LAKE ROAD 161KV'	35	0.00362	-0.10594	98
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	MIPU	LAKE ROAD 34KV'	92	0.00362	-0.10594	98
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	KACP	MONTROSE 161KV'	205.0929	0.00372	-0.10604	98
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.01959	-0.10883	95
WERE	ABILENE ENERGY CENTER 115KV'	66	-0.16157	WEPL	GRAY COUNTY WIND FARM 115KV'	60	-0.05826	-0.10331	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	EMDE	ASBURY 161KV'	191	0.00112	-0.10344	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	WERE	CHANUTE 69KV'	34.903	0.00118	-0.1035	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	EMDE	ELK RIVER 345KV'	150	0.00088	-0.1032	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	EMDE	RIVERTON 161KV'	38	0.00082	-0.10314	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	EMDE	RIVERTON 69KV'	44.59597	0.0008	-0.10312	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	EMDE	STATE LINE 161KV'	356.7808	0.00082	-0.10314	100
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	FLINT CREEK 161KV'	400	0.00003	-0.10235	101
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	NORTHEASTERN STATION 138KV'	240	-0.00029	-0.10203	101
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	NORTHEASTERN STATION 345KV'	600	-0.00015	-0.10217	101
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	AES 161KV'	320	-0.0005	-0.10182	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	COGENTRIX 345KV'	200	-0.00073	-0.10159	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	EASTMAN 138KV'	355	-0.00092	-0.1014	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	FITZHUGH 161KV'	126	-0.00039	-0.10193	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	KNOXLEE 138KV'	103	-0.00091	-0.10141	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	LEBROCK 345KV'	315	-0.00092	-0.1014	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	MUSKOGEE 345KV'	1516	-0.00076	-0.10156	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	OEC 345KV'	219	-0.00055	-0.10177	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	PIRKEY GENERATION 138KV'	450	-0.00092	-0.1014	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	RIVERSIDE STATION 138KV'	88.00001	-0.00072	-0.1016	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	RIVERSIDE STATION 345KV'	975.0001	-0.00103	-0.10129	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	WILKES 138KV'	134.7028	-0.00095	-0.10137	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	WILKES 345KV'	186.6942	-0.00094	-0.10138	102
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	REDBUD 345KV'	250	-0.00209	-0.10023	103
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	SEMINOLE 345KV'	590.52	-0.00235	-0.09997	103
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	SOONER 138KV'	505	-0.00171	-0.10061	103
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	SOONER 345KV'	513	-0.00187	-0.10045	103
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	MCCLELLAIN 138KV'	478	-0.00256	-0.09976	104
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	SEMINOLE 138KV'	448.9081	-0.0024	-0.09992	104
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	SMITH COGEN 138KV'	120	-0.00251	-0.09981	104
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	OKGE	FRLWIND2 34KV'	61.9956	-0.00422	-0.0981	105
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	COMANCHE 138KV'	160	-0.00484	-0.09748	106
WERE	CLAY CENTER JUNCTION 115KV'	38.1	-0.10232	AEPW	COMANCHE 69KV'	63	-0.00477	-0.09755	106
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	WERE	EMPORIA 345KV'	380	0.00734	-0.09658	107
MIDW	lyons 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.01959	-0.09642	107
MIDW	pawnee 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.01959	-0.09642	107
MIDW	rice 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.01959	-0.09642	107
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACP	IATAN 345KV'	396	0.00627	-0.09551	108
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	WERE	LAWRENCE ENERGY CENTER 230KV'	132.0757	0.00692	-0.09616	108
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACP	NEARMAN 20KV'	220	0.00484	-0.09408	110
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACY	QUINDARO 161KV'	116.942	0.00482	-0.09406	110
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACY	QUINDARO 69KV'	72	0.0048	-0.09404	110
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	MIPU	SOUTH HARPER 161KV'	75.19196	0.00447	-0.09371	110
MIDW	GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	WERE	SMOKEY HILLS 34KV'	152	0.06205	-0.09399	110
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACP	HAWTHORN 161KV'	455	0.00428	-0.09352	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACP	LACYGNE UNIT 345KV'	958	0.00378	-0.09302	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	MIPU	LAKE ROAD 34KV'	92	0.00362	-0.09286	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	KACP	MONTROSE 161KV'	205.0929	0.00372	-0.09296	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	MIPU	SIBLEY 161KV'	229.1608	0.00396	-0.0932	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	MIPU	SIBLEY 69KV'	45.99999	0.00403	-0.09327	111
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	EMDE	ASBURY 161KV'	191	0.00112	-0.09338	114
MIDW	lyons 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 230KV'	132.0757	0.00692	-0.09069	114
MIDW	pawnee 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 230KV'	132.0757	0.00692	-0.09069	114
MIDW	rice 115kv'	999	-0.07683	WERE	JEFFREY ENERGY CENTER 230KV'	132.0757	0.00692	-0.09069	114
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	EMDE	ELK RIVER 345KV'	150	0.00088	-0.09012	115
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	EMDE	RIVERTON 69KV'	44.59597	0.0008	-0.09004	115
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	EMDE	STATE LINE 161KV'	356.7808	0.00082	-0.09006	115
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	FITZHUGH 161KV'	126	-0.00039	-0.08885	116
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	FLINT CREEK 161KV'	400	0.00003	-0.08927	116
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	NORTHEASTERN STATION 138KV'	240	-0.00029	-0.0895	116
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	NORTHEASTERN STATION 345KV'	600	-0.00015	-0.08959	116
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	AES 161KV'	320	-0.0005	-0.08874	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	COGENTRIX 345KV'	200	-0.00073	-0.08851	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	EASTMAN 138KV'	355	-0.00092	-0.08832	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	KNOXLEE 138KV'	103	-0.00091	-0.08833	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	LEBROCK 345KV'	315	-0.00092	-0.08832	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	MUSKOGEE 345KV'	1516	-0.00076	-0.08848	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	OEC 345KV'	219	-0.00055	-0.08869	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	PIRKEY GENERATION 138KV'	450	-0.00092	-0.08832	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	RIVERSIDE STATION 138KV'	88.00001	-0.00072	-0.08852	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	RIVERSIDE STATION 345KV'	975.0001	-0.00103	-0.08821	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	WELSH 345KV'	134.7028	-0.00095	-0.08829	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	WILKES 138KV'	160	-0.00484	-0.0884	123
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	WILKES 345KV'	186.6942	-0.00094	-0.0883	117
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	SOONER 138KV'	505	-0.00171	-0.08753	118
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	SOONER 345KV'	513	-0.00187	-0.08737	118
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	MCCLELLAIN 138KV'	478	-0.00256	-0.08668	119
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	REDBUD 345KV'	250	-0.00209	-0.08715	119
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	SEMINOLE 138KV'	448.9081	-0.0024	-0.08684	119
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	SEMINOLE 345KV'	590.52	-0.00235	-0.08689	119
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	SMITH COGEN 138KV'	120	-0.00251	-0.08673	119
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	COMANCHE 69KV'	63	-0.00477	-0.08447	122
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	OKGE	FRLWIND2 34KV'	61.9956	-0.00422	-0.08502	122
WEPL	A. M. MULLERGRN GENERATOR 115KV'	63	-0.08924	AEPW	COMANCHE 138KV'	160	-0.00484	-0.0844	123
MIDW	lyons 115kv'	999	-0.07683	WERE	EMPORIA 345KV'	380	0.00734	-0.08417	123
MIDW	pawnee 115kv'								

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

OKGE	TINKER 5G 138KV	62	-0.00243	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06448	160
WERE	GILL ENERGY CENTER 69KV	118	-0.00208	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06413	161
OKGE	HORSESHOE LAKE 138KV	851.5	-0.00232	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06437	161
AEPW	KIOWA 345KV	1348	-0.00211	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06416	161
OKGE	ONE OAK 345KV	336	-0.00233	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06435	161
OKGE	REDBUD 345KV	950	-0.00209	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06414	161
OKGE	SEMINOLE 138KV	56.09195	-0.0024	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06445	161
OKGE	SEMINOLE 345KV	406.08	-0.00235	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06444	161
OKGE	RED ROCK 345KV	1050	-0.00187	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06392	162
AEPW	WEELETKA 138KV	162	-0.0014	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06345	163
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	JEFFREY ENERGY CENTER 230KV	470	0.01386	-0.06324	164
AEPW	EASTMAN 138KV	130.01	-0.00092	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06297	164
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACY	NEARMAN 20KV	220	0.00484	-0.06309	164
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACY	QUINDARO 69KV	116.942	0.00482	-0.06307	164
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACY	QUINDARO 69KV	72	0.0048	-0.06305	164
AEPW	KNOXLEE 138KV	320	-0.00091	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06296	164
AEPW	LEBROCK 345KV	382	-0.00092	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06297	164
AEPW	LIEBERMAN 138KV	224	-0.00085	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.0629	164
AEPW	PIRKEY GENERATION 138KV	65	-0.00092	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06297	164
AEPW	TURK 138KV	608	-0.00103	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06308	164
AEPW	WELSH 345KV	68.99991	-0.00103	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06308	164
AEPW	WILKES 138KV	328.2972	-0.00095	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.063	164
AEPW	WILKES 345KV	124.3058	-0.00094	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06299	164
AEPW	ARSENAL HILL 69KV	99	-0.00093	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06288	165
AEPW	COGENTRIX 345KV	694	-0.00073	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06278	165
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACP	HAWTHORN 161KV	455	0.00428	-0.06263	165
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	MIPU	SOUTH HARPER 161KV	75.19196	0.00447	-0.06272	165
OKGE	MUSKOGEE 161KV	197	-0.00062	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06267	165
OKGE	OEC 345KV	1928.03	-0.00055	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.0626	165
AEPW	RIVER SIDE 138KV	172	-0.00072	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06277	165
AEPW	RIVERSIDE STATION 138KV	634	-0.00072	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06277	165
AEPW	TULSA POWER STATION 138KV	294	-0.00067	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06272	165
AEPW	TULSA POWER STATION 69KV	80	-0.00067	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06272	165
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.06221	166
AEPW	MID-CONTINENT 138KV	142.11	-0.00018	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06223	166
AEPW	NORTHEASTERN STATION 138KV	260	-0.00029	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06224	166
WERE	EVANS ENERGY CENTER 138KV	947	-0.00007	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06212	167
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.06203	167
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	MIPU	LAKE ROAD 34KV	92	0.00362	-0.06187	167
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	KACP	MONTROSE 161KV	205.0929	0.00372	-0.06197	167
AEPW	MATTISON 161KV	510	0.00001	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06204	167
EMDE	LARUSSEL 161KV	296	0.0009	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06115	169
EMDE	RIVERTON 161KV	284	0.00082	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06123	169
EMDE	STATE LINE 161KV	249.2192	0.00082	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.06123	169
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	EMDE	ASBURY 161KV	191	0.00112	-0.05937	174
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	EMDE	ELK RIVER 345KV	1516	0.00088	-0.05813	175
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	EMDE	STATE LINE 161KV	356.7808	0.00082	-0.05907	175
MIPU	LAKE ROAD 161KV	91	0.00362	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05843	177
KACP	MONTROSE 161KV	175.9071	0.00372	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05833	177
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	FLINT CREEK 161KV	400	0.00003	-0.05828	178
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	NORTHEASTERN STATION 345KV	600	-0.00015	-0.0581	178
MIPU	ARIES 161KV	595	0.00422	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05783	179
MIPU	GREENWOOD 161KV	255.8	0.0042	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05785	179
KACP	HAWTHORN 161KV	423	0.00428	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05777	179
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	AES 161KV	320	-0.0005	-0.05775	179
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	FITZLUIGH 161KV	126	-0.00039	-0.0578	179
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	NORTHEASTERN STATION 138KV	240	-0.00029	-0.05796	179
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	OEC 345KV	219	-0.00055	-0.0577	179
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0043	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05775	179
MIPU	RALPH GREEN 69KV	73.7	0.00414	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05791	179
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	COGENTRIX 345KV	200	-0.00073	-0.05752	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	EASTMAN 138KV	355	-0.00092	-0.05733	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	KNOXLEE 138KV	103	-0.00091	-0.05734	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	LEBROCK 345KV	315	-0.00092	-0.05733	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	MUSKOGEE 161KV	1516	-0.00028	-0.05749	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	PIRKEY GENERATION 138KV	150	-0.00092	-0.05733	180
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00072	-0.05763	180
KACP	NORTHEAST 13KV	229	0.00445	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.0576	180
KACP	NORTHEAST 161KV	229	0.00445	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.0576	180
MIPU	SOUTH HARPER 161KV	239.808	0.00447	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05758	180
WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.08924	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.03194	-0.0573	181
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	WELSH 345KV	975.0001	-0.00103	-0.05722	181
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	WILKES 138KV	134.7028	-0.00095	-0.0573	181
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	WILKES 345KV	186.6942	-0.00094	-0.05731	181
KACY	KAW 69KV	192	0.0079	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05728	181
KACY	NEARMAN 161KV	61.83612	0.00484	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05721	181
KACY	QUINDARO 161KV	68.05799	0.00482	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05723	181
KACY	QUINDARO 69KV	100	0.0048	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05725	181
KACP	BULL CREEK 161KV	373	0.00509	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05696	182
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	EMPORIA 345KV	380	0.00734	-0.05672	182
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	SOONER 138KV	505	-0.00171	-0.05654	183
WEPL	CIMARRON RIVER 115KV	72	-0.04938	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.00692	-0.0563	184
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	REDBUD 345KV	250	-0.00209	-0.05616	184
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	SOONER 345KV	513	-0.00187	-0.05638	184
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	SEMINOLE 138KV	448.9081	-0.0024	-0.05585	185
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	SEMINOLE 345KV	590.52	-0.00235	-0.0559	185
WERE	TECUMSEH ENERGY CENTER 115KV	243	0.00606	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05599	185
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	IATAN 345KV	396	0.00627	-0.05565	186
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	MCCLEIN 138KV	478	-0.00256	-0.05569	186
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	OKGE	SMITH COGEN 138KV	120	-0.00251	-0.05574	186
WERE	LAWRENCE ENERGY CENTER 230KV	136.9243	0.00692	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05513	188
WERE	EMPORIA 345KV	935.9999	0.00734	WERE	SMOKEY HILLS 34KV	152	0.06205	-0.05471	189
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACY	NEARMAN 20KV	220	0.00484	-0.05422	191
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACY	QUINDARO 161KV	116.942	0.00482	-0.0542	191
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACY	QUINDARO 69KV	72	0.0048	-0.05418	191
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	SOUTH HARPER 161KV	75.19196	0.00447	-0.05385	192
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	HAWTHORN 161KV	455	0.00428	-0.05366	193
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	SIBLEY 161KV	229.1608	0.00396	-0.05334	194
WEPL	JUDSON LARGE 115KV	88.98463	-0.05825	AEPW	COMANCHE 138KV	160	-0.00484	-0.05341	194
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	LACYGNE UNIT 345KV	958	0.00378	-0.05316	195
WEPL	CIMARRON RIVER 115KV	72	-0.04938	MIPU	LAKE ROAD 34KV	92	0.00362	-0.053	195
WEPL	CIMARRON RIVER 115KV	72	-0.04938	KACP	MONTROSE 161KV	205.0929	0.00372	-0.0531	195</

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

WEPL	'CIMARRON RIVER 115KV'	72	-0.04938	AEPW	'WELSH 345KV'	975.0001	-0.00103	-0.04835	214
WEPL	'CIMARRON RIVER 115KV'	72	-0.04938	AEPW	'WILKES 138KV'	134.7028	-0.00095	-0.04843	214
WEPL	'CIMARRON RIVER 115KV'	72	-0.04938	AEPW	'WILKES 345KV'	186.6942	-0.00094	-0.04844	214
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.01386	-0.04588	226
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	WERE	'EMPORIA 345KV'	380	0.00734	-0.03928	263
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	WERE	'LAWRENCE ENERGY CENTER 230KV'	132.0757	0.00692	-0.03886	266
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACP	'IATAN 345KV'	396	0.00627	-0.03821	271
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACY	'NEARMAN 20KV'	220	0.00484	-0.03678	281
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACY	'QUINDARO 161KV'	116.942	0.00482	-0.03676	281
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACP	'HAWTHORN 161KV'	465	0.00428	-0.03622	286
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	MIPU	'SIBLEY 161KV'	229.1608	0.00396	-0.0359	288
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACP	'LACYGNE UNIT 345KV'	958	0.00378	-0.03572	290
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	KACP	'MONTROSE 161KV'	205.0929	0.00372	-0.03566	290
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	EMDE	'ASBURY 161KV'	191	0.00112	-0.03306	313
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	EMDE	'ELK RIVER 345KV'	150	0.00088	-0.03282	315
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	EMDE	'STATE LINE 161KV'	356.7808	0.00092	-0.03278	316
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'FLINT CREEK 161KV'	400	0.00003	-0.03197	324
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'NORTHEASTERN STATION 345KV'	600	-0.00015	-0.03179	325
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'NORTHEASTERN STATION 138KV'	240	-0.00029	-0.03165	327
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'FITZHUGH 161KV'	126	-0.00039	-0.03155	328
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	OKGE	'AES 161KV'	320	-0.0005	-0.03144	329
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'OEC 345KV'	219	-0.00055	-0.03139	330
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'COGENTRIX 345KV'	200	-0.00073	-0.03121	331
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	OKGE	'MUSKOGEE 345KV'	1516	-0.00076	-0.03118	332
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'EASTMAN 138KV'	355	-0.00092	-0.03102	334
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'LEBRONCK 345KV'	315	-0.00092	-0.03102	334
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00092	-0.03102	334
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'WILKES 138KV'	134.7028	-0.00095	-0.03099	334
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'WILKES 345KV'	186.6942	-0.00094	-0.031	334
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	AEPW	'WELSH 345KV'	975.0001	-0.00103	-0.03091	335
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	OKGE	'SOONER 138KV'	505	-0.00171	-0.03023	342
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.03194	OKGE	'SOONER 345KV'	513	-0.00187	-0.03007	344

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: RENO - SUMMIT 345KV & WICHITA - RENO 345KV
 Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 57368573811573715738112208SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161506	4.0	6.6
1162075	1.3	6.8
1162678	0.7	6.8
1162681	0.7	6.8

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'	5.999996	-0.35529	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.43823	15
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.31672	21
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.01717	-0.25095	26
WERE	'BPU - CITY OF MCPHERSON 115KV'	89.05568	-0.16251	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.24545	27
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01113	-0.24491	27
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'AES 161KV'	320	-0.00021	-0.23357	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'ARSENAL HILL 69KV'	11.21387	-0.00023	-0.23355	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'ASBURY 161KV'	191	0.00001	-0.23379	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'BULL CREEK 161KV'	308	0.00117	-0.23495	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CHANUTE 69KV'	56.637	-0.00009	-0.23369	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00075	-0.23303	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00006	-0.23372	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF ERIE 69KV'	23.374	-0.00009	-0.23369	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF HIGGINSVILLE 69KV'	35	0.0006	-0.23438	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF IOLA 69KV'	24.471	-0.00001	-0.23377	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00078	-0.233	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	-0.00006	-0.23372	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'COGENTRIX 345KV'	200	-0.00032	-0.23346	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'COMANCHE 138KV'	160	-0.00098	-0.2328	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'COMANCHE 69KV'	63	-0.00097	-0.23281	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'EASTMAN 138KV'	355.0008	-0.00025	-0.23353	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'ELK RIVER 345KV'	150	-0.00037	-0.23341	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'EMPORIA 345KV'	380	0.00057	-0.23435	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.00077	-0.23301	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'FITZHUGH 161KV'	126	-0.00018	-0.2336	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'FLINT CREEK 161KV'	428	-0.00016	-0.23362	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'FPLWIND2 34KV'	23.001	-0.00094	-0.23284	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'FULTON 115KV'	24.99999	-0.00024	-0.23354	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'GILL ENERGY CENTER 138KV'	155	-0.0015	-0.23228	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	MIPU	'GREENWOOD 161KV'	169.9976	0.00064	-0.23442	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'HAWTHORN 161KV'	769	0.00092	-0.2347	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'HORSESHOE LAKE 138KV'	851.5	-0.00062	-0.23316	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00061	-0.23317	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'IATAN 345KV'	396	0.00223	-0.23601	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00252	-0.2363	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'KNOXLEE 138KV'	225	-0.00025	-0.23353	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'L&D13 69KV'	11	-0.00021	-0.23357	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'LACYGNE UNIT 345KV'	958	0.00046	-0.23424	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	MIPU	'LAKE ROAD 161KV'	35	0.00116	-0.23494	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	MIPU	'LAKE ROAD 34KV'	92	0.00116	-0.23494	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'LARUSSEL 161KV'	116	0	-0.23378	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.4716	-0.00138	-0.2324	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'LEBRONCK 345KV'	465.0004	-0.00025	-0.23353	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'LIEBERMAN 138KV'	73.99999	-0.00023	-0.23355	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'MARSHALL 161KV'	15	0.00046	-0.23424	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'MCLLAIN 138KV'	478	-0.00066	-0.23312	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'MONTROSE 161KV'	355.3524	0.00061	-0.23439	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'MUSKOGEE 161KV'	166	-0.00028	-0.2335	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'MUSKOGEE 345KV'	1516	-0.00031	-0.23347	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'MUSTANG 138KV'	365.5	-0.00066	-0.23312	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'MUSTANG 69KV'	106	-0.00066	-0.23312	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'NARROWS 69KV'	22	-0.00032	-0.23346	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACY	'NEARMAN 161KV'	77	0.001	-0.23478	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACY	'NEARMAN 20KV'	220	0.001	-0.23478	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'NORTHEASTERN STATION 138KV'	500	-0.00026	-0.23352	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00024	-0.23354	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'OEC 345KV'	219.0004	-0.00029	-0.23349	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'ONE OAK 345KV'	300	-0.00064	-0.23314	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'OZARK BEACH 161KV'	16	0	-0.23378	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACP	'PAOLA COMBUSTION TURBINES 161KV'	63.0542	0.00075	-0.23453	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'PIRKEY GENERATION 138KV'	490	-0.00025	-0.23353	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACY	'QUINDARO 161KV'	135.1816	0.001	-0.23478	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	KACY	'QUINDARO 69KV'	140	0.001	-0.23478	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	OKGE	'REDBUD 345KV'	250.0063	-0.00058	-0.2332	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	AEPW	'RIVERSIDE STATION 138KV'	640	-0.00032	-0.23346	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'RIVERTON 161KV'	88.89612	-0.00004	-0.23374	28
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	EMDE	'RIVERTON 69KV'	42.51023	-0.00004	-0.23374	28

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

WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	SEMINOLE 138KV	482.8771	-0.00062	-0.23316	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	SEMINOLE 345KV	996	-0.00061	-0.23317	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	MIPU	SIBLEY 161KV	231.5886	0.00078	-0.23456	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	MIPU	SIBLEY 69KV	45.99999	0.00082	-0.2346	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	SMITH COGEN 138KV	120	-0.00066	-0.23312	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	SOONER 138KV	505	-0.00061	-0.23317	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	SOONER 345KV	513	-0.00062	-0.23316	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	MIPU	SOUTH HARPER 161KV	315	0.00057	-0.23435	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00095	-0.23283	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	EMDE	STATE LINE 161KV	503	-0.00003	-0.23375	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	OKGE	TINKER 5G 138KV	31.99005	-0.00063	-0.23315	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.23347	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WERE	WACO 138KV	17.967	-0.00143	-0.23235	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	WELEETKA 138KV	84	-0.00043	-0.23335	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	WELSH 345KV	1044	-0.00028	-0.2335	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	WILKES 138KV	349.5782	-0.00026	-0.23352	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	AEPW	WILKES 345KV	311	-0.00026	-0.23352	28
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00397	-0.22981	29
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.01654	-0.21724	30
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WEPL	CLIFTON 115KV	58.49004	-0.01181	-0.22197	30
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.01079	-0.22299	30
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23378	WEPL	JUDSON LARGE 115KV	105.5424	-0.01081	-0.22297	30
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.01717	-0.17968	37
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	SMOKEY HILLS 34KV	152	0.08294	-0.17751	37
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	SMOKEY HILLS 34KV	152	0.08294	-0.17745	37
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01113	-0.17384	38
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	BULL CREEK 161KV	308	0.00117	-0.16368	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	CITY OF HIGGINSVILLE 69KV	35	0.0006	-0.16311	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	GREENWOOD 161KV	169.9976	0.00064	-0.16315	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	HAWTHORN 161KV	769	0.00092	-0.16343	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	IATAN 345KV	396	0.00223	-0.16474	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00252	-0.16503	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	LAKE ROAD 161KV	35	0.00116	-0.16367	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	LAKE ROAD 34KV	32	0.00116	-0.16367	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	MCINTROSE 161KV	355.524	0.00061	-0.16312	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACY	NEARMAN 161KV	77	0.001	-0.16351	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACY	NEARMAN 20KV	220	0.001	-0.16351	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00075	-0.16326	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACY	QUINDARO 161KV	135.1816	0.001	-0.16351	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACY	QUINDARO 69KV	140	0.001	-0.16351	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	SIBLEY 161KV	231.5886	0.00078	-0.16329	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	SIBLEY 69KV	45.99999	0.00082	-0.16333	40
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	AES 161KV	320	-0.00021	-0.1623	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	ASBURY 161KV	191	0.00001	-0.16252	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CHANUTE 69KV	55.637	-0.00009	-0.16242	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CITY OF AUGUSTA 69KV	24	-0.00075	-0.16176	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00006	-0.16245	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CITY OF ERIE 69KV	23.374	-0.00009	-0.16242	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CITY OF IOLA 69KV	24.471	-0.00001	-0.1625	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	CITY OF WINFIELD 69KV	26.77	-0.00078	-0.16173	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00006	-0.16245	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	COGENTRIX 345KV	200	-0.00032	-0.16219	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	COMANCHE 138KV	160	-0.00098	-0.16153	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	COMANCHE 69KV	63	-0.00097	-0.16154	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	EASTMAN 138KV	355.0008	-0.00025	-0.16228	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	ELK RIVER 345KV	150	-0.00037	-0.16214	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	EMPORIA 345KV	310	0.00057	-0.16308	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	EVANS ENERGY CENTER 138KV	340	-0.00077	-0.16174	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	FITZHUGH 161KV	126	-0.00018	-0.16233	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	FLINT CREEK 161KV	428	-0.00016	-0.16235	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	FPLWIND2 34KV	23.001	-0.00094	-0.16157	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	FULTON 115KV	24.99999	-0.00024	-0.16227	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	GILL ENERGY CENTER 138KV	155	-0.00015	-0.16101	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00062	-0.16189	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	HORSESHOE LAKE 69KV	16	-0.00061	-0.1619	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	KNOXLEE 138KV	26	-0.00025	-0.16226	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	LACYGNE UNIT 345KV	958	0.00046	-0.16297	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	LARUSSEL 161KV	116	0	-0.16251	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00138	-0.16113	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.16226	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.16228	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	KACP	MARSHALL 161KV	15	0.00046	-0.16297	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	MCCLELLAN 138KV	478	-0.00066	-0.16185	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	MUSKOGEE 161KV	166	-0.00028	-0.16223	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	MUSKOGEE 345KV	1518	-0.00031	-0.16222	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	MUSTANG 138KV	365.5	-0.00066	-0.16185	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	MUSTANG 69KV	105	-0.00066	-0.16185	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	NARROWS 69KV	22	-0.00032	-0.16219	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	NORTHEASTERN STATION 138KV	500	-0.00026	-0.16225	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	NORTHEASTERN STATION 345KV	645	-0.00024	-0.16227	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	OEC 345KV	219.0044	-0.00029	-0.16222	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	ONE OAK 345KV	300	-0.00064	-0.16187	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	OZARK BEACH 161KV	16	0	-0.16251	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	PIRKEY GENERATION 138KV	490	-0.00025	-0.16226	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	REDLUD 345KV	250.0063	-0.00058	-0.16193	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	RIVERSIDE STATION 138KV	640	-0.00032	-0.16219	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	RIVERTON 161KV	88.89612	-0.00004	-0.16247	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	RIVERTON 69KV	42.51023	-0.00004	-0.16247	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	SEMINOLE 138KV	482.8771	-0.00062	-0.16189	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	SEMINOLE 345KV	996	-0.00061	-0.1619	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	SMITH COGEN 138KV	120	-0.00066	-0.16185	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	SOONER 138KV	505	-0.00061	-0.1619	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	SOONER 345KV	513	-0.00062	-0.16189	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	MIPU	SOUTH HARPER 161KV	315	0.00057	-0.16308	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	SOUTHWESTERN STATION 138KV	257	-0.00095	-0.16156	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	EMDE	STATE LINE 161KV	503	-0.00003	-0.16248	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	OKGE	TINKER 5G 138KV	31.99005	-0.00063	-0.16188	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.1622	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	WACO 138KV	17.967	-0.00143	-0.16108	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	WELEETKA 138KV	84	-0.00043	-0.16208	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	WELSH 345KV	1044	-0.00028	-0.16223	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	WILKES 138KV	349.5782	-0.00026	-0.16225	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	AEPW	WILKES 345KV	311	-0.00026	-0.16225	41
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00397	-0.15854	42
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WEPL	A. M. MULLERGEN GENERATOR 115KV	58.49004	-0.01181	-0.1507	44
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WEPL	CLIFTON 115KV	60	-0.01079	-0.15172	44
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.01079	-0.15172	44
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WEPL	JUDSON LARGE 115KV	105.5424	-0.01081	-0.1517	44
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.16251	WEPL	A. M				

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

WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00252	-0.09703	68
WEPL	RUSSELL 115KV	27.9	-0.01367	WERE	SMOKEY HILLS 34KV	152	0.08294	-0.09661	68
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	BULL CREEK 161KV	308	0.00117	-0.09574	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	CITY OF HIGGINSVILLE 69KV	35	0.0006	-0.09571	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	EMPIRIA 345KV	161	0.00057	-0.09514	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	GREENWOOD 161KV	169.9976	0.00064	-0.09521	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	HAWTHORN 161KV	769	0.00092	-0.09549	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	LAKE ROAD 161KV	35	0.00116	-0.09573	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	LAKE ROAD 34KV	92	0.00116	-0.09573	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	MONROSE 161KV	355.3524	0.00061	-0.09518	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACY	NEARMAN 161KV	77	0.001	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACY	NEARMAN 20KV	220	0.001	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00075	-0.09532	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACY	QUINDARO 161KV	135.1816	0.001	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACY	QUINDARO 69KV	140	0.001	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	SIBLEY 161KV	231.5886	0.00078	-0.09533	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	SIBLEY 69KV	45.99999	0.00082	-0.09539	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	MIPU	SOUTH HARPER 161KV	315	0.00057	-0.09514	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	BULL CREEK 161KV	308	0.00117	-0.09568	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	CITY OF HIGGINSVILLE 69KV	35	0.0006	-0.09511	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	EMPIRIA 345KV	310	0.00057	-0.09508	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	GREENWOOD 161KV	169.9976	0.00064	-0.09515	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	HAWTHORN 161KV	769	0.00092	-0.09543	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	LAKE ROAD 161KV	35	0.00116	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	LAKE ROAD 34KV	92	0.00116	-0.09567	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	MONROSE 161KV	355.3524	0.00061	-0.09512	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACY	NEARMAN 161KV	77	0.001	-0.09551	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACY	NEARMAN 20KV	220	0.001	-0.09551	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00075	-0.09526	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACY	QUINDARO 161KV	135.1816	0.001	-0.09551	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACY	QUINDARO 69KV	140	0.001	-0.09551	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	SIBLEY 161KV	231.5886	0.00078	-0.09529	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	SIBLEY 69KV	45.99999	0.00082	-0.09533	69
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	MIPU	SOUTH HARPER 161KV	315	0.00057	-0.09508	69
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	AES 161KV	320	-0.00021	-0.09436	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	ELK RIVER 161KV	150	-0.00037	-0.09458	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CHAMUTE 69KV	55.637	-0.00009	-0.09448	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CITY OF AUGUSTA 69KV	24	-0.00075	-0.09382	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00006	-0.09451	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CITY OF ERIE 69KV	23.374	-0.00009	-0.09448	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CITY OF IOLA 69KV	24.471	-0.00001	-0.09456	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	CITY OF WINFIELD 69KV	26.77	-0.00078	-0.09379	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	COGENTRIX 345KV	200	-0.00032	-0.09425	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	EASTMAN 138KV	355.0058	-0.00025	-0.09432	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	ELK RIVER 345KV	150	-0.00037	-0.0942	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	EVANS ENERGY CENTER 138KV	340	-0.00077	-0.09398	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	FITZHUGH 161KV	126	-0.00018	-0.09439	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	FLINT CREEK 161KV	428	-0.00016	-0.09441	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	FULTON 115KV	24.99999	-0.00024	-0.09433	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00062	-0.09395	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	KNOXLEE 138KV	225	-0.00025	-0.09432	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	KACP	LACYGNE UNIT 345KV	958	0.00046	-0.09503	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	LARUSSEL 161KV	116	0	-0.09457	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.09432	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.09434	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	MCCCLAIN 138KV	478	-0.00066	-0.09391	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	MUSKOGEE 161KV	166	-0.00028	-0.09429	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	MUSKOGEE 345KV	1516	-0.00031	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	MUSTANG 138KV	365.5	-0.00066	-0.09391	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	MUSTANG 69KV	106	-0.00066	-0.09391	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	NORTHEASTERN STATION 138KV	500	-0.00026	-0.09431	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	NORTHEASTERN STATION 345KV	645	-0.00024	-0.09433	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	OEC 345KV	219.0044	-0.00029	-0.09428	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	ONE OAK 345KV	300	-0.00064	-0.09393	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	PIRKY GENERATION 138KV	490	-0.00025	-0.09432	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	REDBUD 345KV	250.0063	-0.00058	-0.09395	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	RIVERSIDE STATION 138KV	640	-0.00032	-0.09425	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	RIVERTON 161KV	88.89612	-0.00004	-0.09453	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	RIVERTON 69KV	42.51023	-0.00004	-0.09453	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	SEMINOLE 138KV	482.8771	-0.00062	-0.09395	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	SEMINOLE 345KV	996	-0.00061	-0.09396	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	SMITH COGEN 138KV	120	-0.00066	-0.09391	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	SOONER 138KV	505	-0.00061	-0.09396	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	SOONER 345KV	513	-0.00062	-0.09395	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	EMDE	STATE LINE 161KV	503	-0.00003	-0.09454	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	OKGE	TICKER 5G 138KV	31.98905	-0.00006	-0.09394	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	TULSA POWER STATION 138KV	186	-0.00031	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	WELEETKA 138KV	84	-0.00043	-0.09414	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	WELSH 345KV	1044	-0.00028	-0.09429	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	WILKES 138KV	349.5782	-0.00026	-0.09431	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	WILKES 345KV	311	-0.00026	-0.09431	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	AES 161KV	320	-0.00021	-0.0943	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	EMDE	ASBURY 161KV	191	0.00001	-0.09452	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CHAMUTE 69KV	55.637	-0.00009	-0.09442	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CITY OF AUGUSTA 69KV	24	-0.00075	-0.09376	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00006	-0.09445	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CITY OF ERIE 69KV	23.374	-0.00009	-0.09442	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CITY OF IOLA 69KV	24.471	-0.00001	-0.0945	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	CITY OF WINFIELD 69KV	26.77	-0.00078	-0.09373	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	COGENTRIX 345KV	200	-0.00032	-0.09419	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	EASTMAN 138KV	355.0058	-0.00025	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	EMDE	ELK RIVER 345KV	150	-0.00037	-0.09414	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	EVANS ENERGY CENTER 138KV	340	-0.00077	-0.09374	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	FITZHUGH 161KV	126	-0.00018	-0.09433	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	FLINT CREEK 161KV	428	-0.00016	-0.09435	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	FULTON 115KV	24.99999	-0.00024	-0.09427	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00062	-0.09395	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	KNOXLEE 138KV	225	-0.00025	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	KACP	LACYGNE UNIT 345KV	958	0.00046	-0.09497	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	EMDE	LARUSSEL 161KV	116	0	-0.09451	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	LEBROCK 345KV	465.0004	-0.00025	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	LIEBERMAN 138KV	73.99999	-0.00023	-0.09428	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	MCCCLAIN 138KV	478	-0.00066	-0.09385	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	MUSKOGEE 161KV	166	-0.00028	-0.09423	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	MUSKOGEE 345KV	1516	-0.00031	-0.0942	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	MUSTANG 138KV	365.5	-0.00066	-0.09385	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	MUSTANG 69KV	106	-0.00066	-0.09385	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	NORTHEASTERN STATION 138KV	500	-0.00026	-0.09425	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	NORTHEASTERN STATION 345KV	645	-0.00024	-0.09427	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	OEC 345KV	219.0044	-0.00029	-0.09422	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	ONE OAK 345KV	300	-0.00064	-0.09387	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	PIRKY GENERATION 138KV	490	-0.00025	-0.09426	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	REDBUD 345KV	250.0063	-0.00058	-0.09393	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	RIVERSIDE STATION 138KV	640	-0.00032	-0.09419	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451						

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

WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	'SOONER 138KV'	505	-0.00061	-0.0939	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	'SOONER 345KV'	513	-0.00062	-0.09389	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	EMDE	'STATE LINE 161KV'	503	-0.00003	-0.09448	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	OKGE	'TINKER 5G 138KV'	31.99805	-0.00063	-0.09388	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'TULSA POWER STATION 138KV'	186	-0.00031	-0.0942	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'WLEETKA 138KV'	84	-0.00043	-0.09408	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'WELSH 345KV'	1044	-0.00028	-0.09423	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'WILKES 138KV'	349.5782	-0.00026	-0.09425	70
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'WILKES 345KV'	311	-0.00026	-0.09425	70
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	'COMANCHE 138KV'	160	-0.00098	-0.09359	71
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	'COMANCHE 69KV'	63	-0.00097	-0.0936	71
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	'GILL ENERGY CENTER 138KV'	155	-0.0015	-0.09307	71
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.4716	-0.00138	-0.09319	71
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.00095	-0.09362	71
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'COMANCHE 138KV'	160	-0.00098	-0.09353	71
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'COMANCHE 69KV'	63	-0.00097	-0.09354	71
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	'GILL ENERGY CENTER 138KV'	155	-0.0015	-0.09301	71
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	'LAWRENCE ENERGY CENTER 230KV'	233.4716	-0.00138	-0.09313	71
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	AEPW	'SOUTHWESTERN STATION 138KV'	257	-0.00095	-0.09366	71
WEPL	'CIMARRON RIVER 115KV'	47	-0.00816	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.0911	73
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00397	-0.0906	73
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00397	-0.09054	73
WERE	'TECUMSEH ENERGY CENTER 115KV'	52.99999	-0.00397	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08691	76
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00445	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08739	76
WERE	'GILL ENERGY CENTER 138KV'	84.99999	-0.0015	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08444	78
WERE	'GILL ENERGY CENTER 69KV'	118	-0.0013	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08424	78
WERE	'LAWRENCE ENERGY CENTER 230KV'	35.52844	-0.00138	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08432	78
AEPW	'ARSENAL HILL 69KV'	78.78613	-0.00023	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08317	79
AEPW	'COGENTRIX 345KV'	694	-0.00032	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08326	79
OKGE	'CONTINENTAL EMPIRE 138KV'	32	-0.00061	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08355	79
AEPW	'EASTMAN 138KV'	130.0042	-0.00025	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08319	79
WERE	'EVANS ENERGY CENTER 138KV'	467	-0.00077	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08371	79
WERE	'GETTY 69KV'	35	-0.00077	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08371	79
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.01079	-0.08378	79
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WEPL	'JUDSON LARGE 115KV'	105.5424	-0.01081	-0.08376	79
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.01079	-0.08372	79
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WEPL	'JUDSON LARGE 115KV'	105.5424	-0.01081	-0.0837	79
AEPW	'KIOWA 345KV'	1347.997	-0.00054	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08348	79
AEPW	'KNOXLEE 138KV'	198	-0.00025	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08319	79
AEPW	'LEBROCK 345KV'	231.9996	-0.00025	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08319	79
AEPW	'LIEBERMAN 138KV'	154	-0.00023	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08317	79
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.00026	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.0832	79
AEPW	'MATTISON 161KV'	510	-0.00017	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08311	79
OKGE	'MCCLEAN 138KV'	42	-0.00066	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.0836	79
AEPW	'MID-CONTINENT 138KV'	142.102	-0.00022	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08316	79
OKGE	'MUSKOGEE 161KV'	311	-0.00028	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08322	79
AEPW	'OEC 345KV'	1928.026	-0.00029	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08323	79
OKGE	'ONE OAK 345KV'	36	-0.00064	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08358	79
OKGE	'RED ROCK 345KV'	1050	-0.00062	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08356	79
OKGE	'REDBUD 345KV'	949.9937	-0.00058	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08352	79
AEPW	'RIVER SIDE 138KV'	172	-0.00032	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08326	79
AEPW	'RIVERSIDE STATION 138KV'	82.00003	-0.00032	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08326	79
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00068	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08362	79
AEPW	'SOUTHWESTERN STATION 138KV'	502	-0.00095	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08389	79
OKGE	'TINKER 5G 138KV'	30.00195	-0.00063	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08357	79
AEPW	'TULSA POWER STATION 138KV'	108	-0.00031	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08325	79
AEPW	'TULSA POWER STATION 69KV'	80	-0.00031	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08325	79
AEPW	'TURK 138KV'	608	-0.00028	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08322	79
AEPW	'WLEETKA 138KV'	58	-0.00043	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08337	79
AEPW	'WILKES 138KV'	113.4218	-0.00026	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.0832	79
MIPU	'ARIES 161KV'	594.9955	0.00062	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08232	80
WERE	'CHANUTE 69KV'	32.163	-0.00009	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08303	80
WERE	'EMPORIA 345KV'	518	0.00057	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08237	80
MIPU	'GREENWOOD 161KV'	79.80244	0.00064	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.0823	80
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WEPL	'CLIFTON 115KV'	58.49084	-0.01181	-0.08276	80
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WEPL	'CLIFTON 115KV'	58.49084	-0.01181	-0.0827	80
EMDE	'LARUSSEL 161KV'	180	0	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08294	80
KACP	'MARSHALL 161KV'	39.1	0.00046	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08248	80
MIPU	'RALPH GREEN 69KV'	73.7	0.00061	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08233	80
EMDE	'RIVERTON 161KV'	233.1039	-0.00004	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08298	80
EMDE	'STATE LINE 161KV'	103	-0.00003	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08297	80
KACP	'BULL CREEK 161KV'	65	0.00117	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08177	81
KACY	'KAW 69KV'	192	0.0011	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08194	81
MIPU	'LAKE ROAD 161KV'	91	0.00116	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08178	81
KACP	'NORTHEAST 138KV'	209	0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08197	81
KACP	'NORTHEAST 161KV'	229	0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08197	81
KACY	'QUINDARO 161KV'	49.81839	0.0011	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08194	81
KACY	'QUINDARO 69KV'	32	0.0011	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08194	81
MIPU	'TWA 161KV'	32.1	0.00112	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.08182	81
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.09457	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	-0.01654	-0.07803	85
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.09451	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	-0.01654	-0.07797	85
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01113	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.07181	92
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.23378	WERE	'BPU - CITY OF MCPHERSON 115KV'	104.9443	-0.16251	-0.07127	93
WERE	'BPU - CITY OF MCPHERSON 115KV'	89.05668	-0.16251	WERE	'HUTCHINSON ENERGY CENTER 115KV'	205	-0.09457	-0.06794	97
MIDW	'GOODMAN ENERGY CENTER 115KV'	158.38	0.01717	WERE	'SMOKEY HILLS 34KV'	152	0.08294	-0.06577	100
MIDW	'Irons 115KV'	999	-0.01513	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.01717	-0.0323	204
MIDW	'Ipsnee 115KV'	999	-0.01513	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.01717	-0.0323	204
MIDW	'rice 115KV'	999	-0.01513	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.01717	-0.0323	204

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: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
 Flowgate: 573685738115737157381122115P
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1140120	4.7	13.6
1161506	4.8	13.6
1162075	2.1	13.6
1162076	1.0	13.6
1162081	1.0	13.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WERE	'SMOKEY HILLS 34KV'	152	0.10531	-0.32448	42
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.0398	-0.25897	52
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01865	-0.23782	57
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	WERE	'SMOKEY HILLS 34KV'	152	0.10531	-0.23127	59
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00997	-0.22914	59
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.00913	-0.2283	60
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.00576	-0.22493	60
WERE	'CLAY CENTER JUNCTION 115KV'	38.1	-0.21917	WEPL	'JUDSON LARGE 115KV'	111.547	0.00574	-0.22491	60
WERE	'CLAY CENTER JUNCTION 115KV'	38.1							

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

WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACP	CITY OF HIGGINSVILLE 69KV	34	0.00202	-0.22119	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	EMPORIA 345KV	610	0.00358	-0.22275	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	GREENWOOD 161KV	189.4481	0.00221	-0.22138	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACP	HAWTHORN 161KV	769	0.00291	-0.22208	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACP	IATAN 345KV	396	0.00546	-0.22463	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACP	IATAN 345KV	1819	0.00546	-0.22463	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	LAKE ROAD 161KV	35	0.00386	-0.22303	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	LAKE ROAD 34KV	92	0.00386	-0.22303	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00287	-0.22204	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACP	MONTROSE 161KV	363.8085	0.00193	-0.22211	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACY	NEARMAN 161KV	77	0.00312	-0.22229	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACY	NEARMAN 20KV	220	0.00312	-0.22229	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACY	QUINDARO 161KV	140.2385	0.00311	-0.22228	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	KACY	QUINDARO 69KV	140	0.0031	-0.22227	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	SIBLEY 161KV	229.0558	0.00258	-0.22175	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	SIBLEY 69KV	45.99999	0.00266	-0.22183	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	MIPU	SOUTH HARPER 161KV	315	0.00212	-0.22129	61
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	AES 161KV	320	-0.00158	-0.21759	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	ASBURY 161KV	191	-0.00148	-0.21769	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WEPL	CLIFTON 115KV	65	-0.00157	-0.2176	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	EASTMAN 138KV	355.0089	-0.00138	-0.21779	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	FITZHUGH 161KV	113.98	-0.00145	-0.21772	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	JL STALL 138KV	455	-0.00127	-0.2179	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	KNOXLEE 138KV	160.7747	-0.00137	-0.2178	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	LARUSSEL 161KV	46.81621	-0.00122	-0.21795	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	LEBROCK 345KV	365.0053	-0.00137	-0.2178	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	LIEBERMAN 138KV	73.99999	-0.00129	-0.21788	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	PIRKEY GENERATION 138KV	480	-0.00137	-0.2178	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	RIVERTON 161KV	38	-0.00159	-0.21758	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	RIVERTON 69KV	40.33317	-0.00155	-0.21762	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	STATE LINE 161KV	503	-0.00153	-0.21764	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00089	-0.22006	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	TURK 138KV	443	-0.00151	-0.21766	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	WELSH 345KV	1044	-0.00151	-0.21766	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	WILKES 138KV	193.923	-0.00141	-0.21776	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	WILKES 345KV	253	-0.00114	-0.2178	62
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CHANUTE 69KV	58.843	-0.00254	-0.21663	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CITY OF BURLINGTON 69KV	39.766	-0.0045	-0.21467	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CITY OF ERIE 69KV	23.579	-0.00254	-0.21663	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CITY OF IOLA 69KV	27.273	-0.0021	-0.21707	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	COGENTRIX 345KV	200	-0.00251	-0.21666	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	COMANCHE 138KV	160	-0.00288	-0.21629	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	COMANCHE 69KV	63	-0.00288	-0.21629	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	FLINT CREEK 161KV	428	-0.00188	-0.21729	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	HORSHOE LAKE 138KV	851.5	-0.00348	-0.21569	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	MCCLAIN 138KV	178	-0.00353	-0.21564	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	MUSKOGEE 161KV	166	-0.00216	-0.21701	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	MUSKOGEE 345KV	1516	-0.00228	-0.21899	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	MUSTANG 138KV	365.5	-0.00361	-0.21556	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	MUSTANG 69KV	106	-0.00361	-0.21556	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	NARROWS 69KV	22	-0.00168	-0.21749	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	NORTHEASTERN STATION 138KV	500	-0.00243	-0.21674	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	NORTHEASTERN STATION 345KV	645	-0.00241	-0.21676	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	OEC 345KV	269.00358	-0.00241	-0.21676	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	ONE OAK 345KV	300	-0.00392	-0.21525	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	REDBUD 345KV	438.4026	-0.00349	-0.21568	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	RIVERSIDE STATION 138KV	482	-0.0025	-0.21667	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SEMINOLE 138KV	477.0613	-0.00324	-0.21593	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SEMINOLE 345KV	996	-0.0033	-0.21587	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SMITH COGEN 138KV	120	-0.00359	-0.21558	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SOONER 138KV	505	-0.00466	-0.21451	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SOONER 345KV	513	-0.00477	-0.2144	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	SOUTH 4TH ST 69KV	42.7	-0.00475	-0.21442	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	SOUTHWESTERN STATION 138KV	172	-0.00292	-0.21625	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	OKGE	TINKER 138KV	62	-0.00347	-0.2157	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	TULSA POWER STATION 138KV	77	-0.00248	-0.21668	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	AEPW	WELETKA 138KV	128	-0.00261	-0.21656	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CITY OF AUGUSTA 69KV	24	-0.0079	-0.21127	64
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	CITY OF WINFIELD 69KV	37.87	-0.00714	-0.21203	64
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	EMDE	ELK RIVER 345KV	150	-0.00639	-0.21278	64
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	EVANS ENERGY CENTER 138KV	340	-0.01029	-0.20888	65
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	GILL ENERGY CENTER 138KV	155	-0.00906	-0.21011	65
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.21917	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.0422	-0.17697	77
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.0398	-0.16576	82
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	WERE	SMOKEY HILLS 34KV	152	0.10531	-0.14751	92
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.04213	WERE	SMOKEY HILLS 34KV	152	0.10531	-0.14744	92
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01865	-0.14461	94
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WERE	JEFFREY ENERGY CENTER 230KV	970	0.00997	-0.13593	100
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.00913	-0.13509	101
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00576	-0.13172	103
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACP	IATAN 345KV	396	0.00546	-0.13142	103
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACP	IATAN 345KV	1819	0.00546	-0.13142	103
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WEPL	JUDSON LARGE 115KV	111.547	0.00574	-0.1317	103
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WERE	EMPORIA 345KV	610	0.00358	-0.12954	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACP	HAWTHORN 161KV	769	0.00291	-0.12887	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	LAKE ROAD 161KV	35	0.00386	-0.12882	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	LAKE ROAD 34KV	92	0.00386	-0.12882	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACY	NEARMAN 161KV	77	0.00312	-0.12908	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACY	NEARMAN 20KV	220	0.00312	-0.12908	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACY	QUINDARO 161KV	140.2385	0.00311	-0.12907	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACY	QUINDARO 69KV	140	0.0031	-0.12906	105
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	ARIES 161KV	176.2461	0.00218	-0.12814	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACP	BULL CREEK 161KV	192.0293	0.00274	-0.1287	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	GREENWOOD 161KV	189.4481	0.00221	-0.12817	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00287	-0.12983	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	KACP	MONTROSE 161KV	363.8085	0.00193	-0.12789	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	SIBLEY 161KV	229.0558	0.00258	-0.12854	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	SIBLEY 69KV	45.99999	0.00266	-0.12862	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	MIPU	SOUTH HARPER 161KV	315	0.00212	-0.12808	106
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WERE	TECUMSEH ENERGY CENTER 115KV	108	0.00089	-0.12685	107
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	OKGE	AES 161KV	320	-0.00158	-0.12438	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	EMDE	ASBURY 161KV	191	-0.00148	-0.12448	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	WEPL	CLIFTON 115KV	65	-0.00157	-0.12439	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	EASTMAN 138KV	355.0089	-0.00138	-0.12458	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	FITZHUGH 161KV	113.98	-0.00145	-0.12451	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	JL STALL 138KV	455	-0.00127	-0.12469	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	KNOXLEE 138KV	160.7747	-0.00137	-0.12459	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	EMDE	LARUSSEL 161KV	46.81621	-0.00122	-0.12474	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	LEBROCK 345KV	365.0053	-0.00137	-0.12459	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	LIEBERMAN 138KV	73.99999	-0.00129	-0.12467	109
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.12596	AEPW	PIRKEY GENERATION 138KV	480	-0.00137	-0.12459	109
WERE	BPU - CITY OF MCPHERSON 115KV								

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

WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	COGENTRIX 345KV'	200	-0.00251	-0.12345	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	COMANCHE 138KV'	160	-0.00288	-0.12308	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	COMANCHE 69KV'	63	-0.00288	-0.12308	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	FLINT CREEK 161KV'	428	-0.00188	-0.12408	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	MUSKOGEE 161KV'	166	-0.00218	-0.12338	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	MUSKOGEE 345KV'	1516	-0.00228	-0.12368	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	NORTHEASTERN STATION 138KV'	500	-0.00243	-0.12353	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	NORTHEASTERN STATION 345KV'	645	-0.00241	-0.12355	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	OEC 345KV'	269.0035	-0.00241	-0.12355	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	RIVERSIDE STATION 138KV'	482	-0.0025	-0.12346	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	SOUTHWESTERN STATION 138KV'	172	-0.00292	-0.12304	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	TULSA POWER STATION 138KV'	77	-0.00249	-0.12347	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	AEPW	WEELETKA 138KV'	128	-0.00261	-0.12335	110
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	HORSESHOE LAKE 138KV'	851.5	-0.00348	-0.12248	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	MCCLAIN 138KV'	478	-0.00353	-0.12243	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	MUSTANG 138KV'	365.5	-0.00361	-0.12235	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	MUSTANG 69KV'	106	-0.00361	-0.12235	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	ONE OAK 345KV'	300	-0.00392	-0.12204	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	REDBUD 345KV'	438.4026	-0.00349	-0.12247	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SEMINOLE 138KV'	477.0613	-0.00324	-0.12272	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SEMINOLE 345KV'	996	-0.0033	-0.12266	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SMITH COGEN 138KV'	120	-0.00359	-0.12237	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	TINKER 5G 138KV'	62	-0.00347	-0.12249	111
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	WERE	CITY OF BURLINGTON 69KV'	39.766	-0.0045	-0.12146	112
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SCOVER 138KV'	505	-0.00468	-0.1213	112
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SCOVER 345KV'	513	-0.00477	-0.12119	112
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00475	-0.12121	112
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	EMDE	ELK RIVER 345KV'	150	-0.00639	-0.11957	114
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	WERE	GILL ENERGY CENTER 138KV'	155	-0.00906	-0.1169	116
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	WERE	EVANS ENERGY CENTER 138KV'	340	-0.01029	-0.11567	118
WERE	EVANS ENERGY CENTER 138KV'	467	-0.01029	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1156	118
WERE	GILL ENERGY CENTER 138KV'	84.99999	-0.00906	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.11437	119
WERE	GILL ENERGY CENTER 69KV'	118	-0.00902	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.11433	119
OKGE	RED ROCK 345KV'	1050	-0.00477	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.11008	123
OKGE	MCCLAIN 138KV'	42	-0.00353	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1088	125
OKGE	REDBUD 345KV'	761.5974	-0.00349	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1088	125
AEPW	COGENTRIX 345KV'	694	-0.00251	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10782	126
AEPW	KIOWA 345KV'	1347.994	-0.00273	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10804	126
AEPW	MID-CONTINENT 138KV'	142.0984	-0.00217	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10748	126
AEPW	OEC 345KV'	1878.026	-0.00241	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10772	126
AEPW	RIVER SIDE 138KV'	172	-0.0025	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10781	126
AEPW	RIVERSIDE STATION 138KV'	240	-0.0025	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10781	126
AEPW	SOUTHWESTERN STATION 138KV'	587	-0.00292	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10823	126
AEPW	TULSA POWER STATION 138KV'	217	-0.00249	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1078	126
AEPW	TULSA POWER STATION 69KV'	80	-0.00348	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1078	126
AEPW	EASTMAN 138KV'	130.0011	-0.00137	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10669	127
AEPW	KNOXLEE 138KV'	262.2253	-0.00137	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10668	127
AEPW	LEBROCK 345KV'	331.9947	-0.00137	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10668	127
AEPW	LONESTAR POWER PLANT 69KV'	50	-0.00143	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10674	127
AEPW	MATTISON 161KV'	510	-0.00192	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10723	127
EMDE	RIVERTON 161KV'	284	-0.00159	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1069	127
EMDE	STATE LINE 161KV'	103	-0.00153	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10684	127
AEPW	WILKES 138KV'	269.077	-0.00141	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10672	127
AEPW	WILKES 345KV'	58	-0.0014	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10671	127
AEPW	ARSENAL HILL 69KV'	99	-0.00127	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10658	128
EMDE	LARUSSELL 161KV'	249.3838	-0.00122	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10653	128
AEPW	LIEBERMAN 138KV'	154	-0.00129	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1066	128
WERE	TECUMSEH ENERGY CENTER 115KV'	52.99999	0.00089	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10442	130
KACP	PAOLA COMBUSTION TURBINES 161KV'	77	0.00161	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1037	131
MIPU	ARIES 161KV'	418.7539	0.00218	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10313	132
MIPU	GREENWOOD 161KV'	58.35188	0.00221	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1031	132
MIPU	RALPH GREEN 69KV'	73.7	0.00212	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10319	132
KACP	BULL CREEK 161KV'	180.9707	0.00274	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10257	133
KACY	KAW 69KV'	192	0.00309	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10222	133
WERE	LAWRENCE ENERGY CENTER 230KV'	46.12704	0.00287	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10244	133
KACP	NORTHEAST 13KV'	229	0.00301	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1023	133
KACP	NORTHEAST 161KV'	229	0.00301	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1023	133
KACY	QUINDARO 161KV'	44.76152	0.00311	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.1022	133
WERE	EMPORIA 345KV'	218	0.00358	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10173	134
MIPU	LAKE ROAD 161KV'	91	0.00386	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.10145	134
MIDW	lyons 115kv'	999	0.00815	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.09716	140
MIDW	pawnee 115kv'	999	0.00815	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.09716	140
MIDW	rice 115kv'	999	0.00815	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.09716	140
WERE	BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.12596	WERE	HUTCHINSON ENERGY CENTER 115KV'	205	-0.0422	-0.08376	162
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	MIDW	GOODMAN ENERGY CENTER 115KV'	75	0.0398	-0.082	166
WERE	HUTCHINSON ENERGY CENTER 69KV'	67	-0.0421	MIDW	GOODMAN ENERGY CENTER 115KV'	75	0.0398	-0.08193	166
MIDW	GOODMAN ENERGY CENTER 115KV'	159.36	0.0398	WERE	SMOKEY HILLS 34KV'	152	0.10531	-0.06551	208
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WERE	JEFFREY ENERGY CENTER 345KV'	940	0.01865	-0.06085	223
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.00997	-0.05217	261
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WEPL	JUDSON LARGE 115KV'	111.547	0.00574	-0.04794	284
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACP	IATAN 345KV'	396	0.00546	-0.04766	285
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACP	IATAN 345KV'	1819	0.00546	-0.04766	285
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WERE	EMPORIA 345KV'	610	0.00358	-0.04578	297
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACY	NEARMAN 20KV'	220	0.00312	-0.04532	300
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACY	QUINDARO 161KV'	140.2385	0.00311	-0.04531	300
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACY	QUINDARO 69KV'	140	0.0031	-0.0453	300
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACP	HAWTHORN 161KV'	789	0.00291	-0.04511	301
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACP	BULL CREEK 161KV'	192.0293	0.00274	-0.04494	302
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WERE	LAWRENCE ENERGY CENTER 230KV'	222.873	0.00287	-0.04507	302
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	MIPU	SIBLEY 161KV'	229.0558	0.00258	-0.04478	304
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	MIPU	ARIES 161KV'	176.2461	0.00218	-0.04438	306
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	MIPU	GREENWOOD 161KV'	189.4481	0.00221	-0.04441	306
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	MIPU	SOUTH HARPER 161KV'	315	0.00212	-0.04432	307
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	KACP	MONTROSE 161KV'	363.8085	0.00193	-0.04413	308
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	WERE	TECUMSEH ENERGY CENTER 115KV'	108	0.00089	-0.04308	315
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	JIL STALL 138KV'	455	-0.00127	-0.04093	332
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	EASTMAN 138KV'	355.0089	-0.00138	-0.04082	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	KNOXLEE 138KV'	160.7747	-0.00137	-0.04083	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	LEBROCK 345KV'	365.0053	-0.00137	-0.04083	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	PIRKEY GENERATION 138KV'	480	-0.00137	-0.04083	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	WILKES 138KV'	193.923	-0.00141	-0.04079	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	WILKES 345KV'	253	-0.0014	-0.0408	333
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	EMDE	ASBURY 161KV'	191	-0.00148	-0.04072	334
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	FITZHUGH 161KV'	113.98	-0.00145	-0.04075	334
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	EMDE	STATE LINE 161KV'	503	-0.00153	-0.04067	334
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	TULSA 138KV'	443	-0.00151	-0.04069	334
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	WELSH 345KV'	1044	-0.00151	-0.04069	334
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	OKGE	AES 161KV'	320	-0.00158	-0.04062	335
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	FLINT CREEK 161KV'	428	-0.00188	-0.04032	337
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	OKGE	MUSKOGEE 161KV'	166	-0.00216	-0.04004	340
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	OKGE	MUSKOGEE 345KV'	1516	-0.00228	-0.03992	341
WERE	HUTCHINSON ENERGY CENTER 115KV'	291	-0.0422	AEPW	NORTHEASTERN STATION 138KV'	500	-0.00243	-0.03977	342
WERE	HUTCHINSON ENERGY CENTER 115								

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

WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	SEMINOLE 138KV	477.0613	-0.0024	-0.0386	349
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	SEMINOLE 345KV	996	-0.0033	-0.0389	349
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00348	-0.0372	351
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	REDBUD 345KV	438.4026	-0.00349	-0.03871	351
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	MCCLAIN 138KV	478	-0.00353	-0.03867	352
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	MUSTANG 138KV	365.6	-0.00361	-0.03859	352
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	SMITH COGEN 138KV	120	-0.00359	-0.03861	352
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	ONE OAK 345KV	300	-0.00392	-0.03828	355
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	SOONER 138KV	505	-0.00466	-0.03754	362
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	OKGE	SOONER 345KV	513	-0.00477	-0.03743	363
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	EMDE	ELK RIVER 345KV	150	-0.00639	-0.03581	380
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	WERE	GILL ENERGY CENTER 138KV	155	-0.00906	-0.03314	410
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.0422	WERE	EVANS ENERGY CENTER 138KV	340	-0.01029	-0.03191	426

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: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Flowgate: 57371573811573685738112208SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1161506	1.6	2.9
1162075	0.7	2.9
1162678	0.3	2.9
1162681	0.3	2.9

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	5.999996	-0.36574	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.44745	7
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	A.M. MULDERGREEN GENERATOR 115KV	63	-0.006	-0.35974	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	AES 161KV	320	-0.0016	-0.36558	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	ARSENAL HILL 69KV	11.21387	-0.00013	-0.36561	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	ASBURY 161KV	191	-0.0013	-0.36561	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	BULL CREEK 161KV	308	0.00057	-0.36631	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CHANUTE 69KV	56.377	-0.0024	-0.36555	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF AUGUSTA 69KV	24	-0.00082	-0.36492	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF ERIE 69KV	23.374	-0.00024	-0.36555	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF FREDONIA 69KV	3.596	-0.0003	-0.36544	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF GIRARD 69KV	4.592	-0.00016	-0.36558	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF HIGGINSVILLE 69KV	35	0.00021	-0.36595	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF IOLA 69KV	24.471	-0.00019	-0.36555	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF MULVANE 69KV	8.29	-0.00088	-0.36486	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF NEODESHA 69KV	4.495	-0.00029	-0.36545	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CITY OF WINFIELD 69KV	26.77	-0.0007	-0.36504	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	CLIFTON 115KV	58.49064	-0.01161	-0.35413	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	COGNEXTRIX 345KV	200	-0.00024	-0.36555	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	COLBY 115KV	2.743799	0.00348	-0.36922	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	COMANCHE 138KV	160	-0.0004	-0.36534	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	COMANCHE 69KV	63	-0.0004	-0.36534	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	EASTMAN 138KV	355.0058	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	ELK RIVER 345KV	150	-0.0005	-0.36524	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	EMPORIA 345KV	310	-0.00032	-0.36542	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	EVANS ENERGY CENTER 138KV	340	-0.00078	-0.36496	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	FITZHUGH 161KV	126	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	FLINT CREEK 161KV	428	-0.00018	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	FPLWIND2 34KV	23.001	-0.00044	-0.36533	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	FULTON 115KV	29.9999	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	GILL ENERGY CENTER 138KV	155	-0.00019	-0.36455	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	GOODMAN ENERGY CENTER 115KV	75	0.00238	-0.38854	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	GRAY COUNTY WIND FARM 115KV	60	-0.00386	-0.36188	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	GREENWOOD 161KV	169.9976	0.00012	-0.36586	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	HAWTHORN 161KV	769	0.00042	-0.36616	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	HORSESHOE LAKE 138KV	851.5	-0.00035	-0.36539	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	HORSESHOE LAKE 69KV	16	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	IATAN 345KV	396	0.00157	-0.36731	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00081	-0.36655	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00942	-0.37516	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	JUDSON LARGE 115KV	105.8424	-0.00388	-0.36196	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	KNOWLES 138KV	225	-0.0004	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	L&D13 69KV	11	-0.00016	-0.36558	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LACYGNE UNIT 345KV	958	-0.0001	-0.36573	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LAKE ROAD 161KV	35	0.00077	-0.36651	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LAKE ROAD 34KV	92	0.00077	-0.36651	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LARUSSELL 161KV	116	-0.00011	-0.36563	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LAWRENCE ENERGY CENTER 230KV	233.477	-0.00245	-0.36329	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LEBROCK 345KV	465.0004	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	LIEBERMAN 138KV	73.99999	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MARSHALL 161KV	15	0.00019	-0.36593	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MCCLAIN 138KV	478	-0.00036	-0.36538	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MONTROSE 161KV	355.3524	0.00016	-0.36559	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MUSKOGEE 161KV	166	-0.00021	-0.36553	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MUSKOGEE 345KV	1516	-0.00022	-0.36552	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MUSTANG 138KV	365.5	-0.00036	-0.36538	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	MUSTANG 69KV	105	-0.00036	-0.36538	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	NARROWS 69KV	22	-0.00018	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	NEARMAN 161KV	77	0.00042	-0.36616	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	NEARMAN 20KV	220	0.00042	-0.36616	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	NEAR EASTERN STATION 138KV	500	-0.00023	-0.36551	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	NORTHEASTERN STATION 345KV	645	-0.00023	-0.36551	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	OEC 345KV	219.0044	-0.00023	-0.36551	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	ONE OAK 345KV	300	-0.00037	-0.36537	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	OZARK BEACH 161KV	16	-0.00009	-0.36655	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00023	-0.36597	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	PIRKEY GENERATION 138KV	490	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	QUINDARO 161KV	135.1816	0.00043	-0.36617	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	QUINDARO 69KV	140	0.00043	-0.36617	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	REDBUD 345KV	250.0003	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	RIVERSIDE STATION 138KV	640	-0.00024	-0.36555	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	RIVERTON 161KV	88.89612	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	RIVERTON 69KV	42.51023	-0.00014	-0.36556	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SEMINOLE 138KV	482.8771	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SEMINOLE 345KV	996	-0.00034	-0.36554	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SIBLEY 161KV	231.5886	0.00031	-0.36605	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SIBLEY 69KV	45.99999	0.00034	-0.36608	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SMITH COGEN 138KV	120	-0.00036	-0.36538	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SOONER 138KV	505	-0.00041	-0.36533	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	SOONER 345KV	513	-0.00041	-0.36	

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

WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	AEPW	TULSA POWER STATION 138KV	186	-0.0024	-0.3655	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	WACO 138KV	17.967	-0.0015	-0.36459	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	AEPW	WELEETKA 138KV	84	-0.0027	-0.36547	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	AEPW	WELSH 345KV	1044	-0.0016	-0.36558	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	AEPW	WILKES 138KV	349.5782	-0.0015	-0.36559	8
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	AEPW	WILKES 345KV	311	-0.0015	-0.36559	8
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.32293	9
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.06758	-0.29816	10
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.0228	-0.26402	11
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.36574	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.12249	-0.24325	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	-0.006	-0.23522	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	AES 161KV	320	-0.0016	-0.24106	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	ARSENAL HILL 69KV	11.21387	-0.0013	-0.24109	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	ASBURY 161KV	191	-0.0013	-0.24109	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	BULL CREEK 161KV	338	-0.0057	-0.24179	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CHANUTE 69KV	55.637	-0.0024	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF AUGUSTA 69KV	24	-0.00082	-0.2404	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF BURLINGTON 69KV	34.061	-0.0034	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF ERIE 69KV	23.374	-0.0024	-0.24098	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF GIRARD 69KV	4.592	-0.0016	-0.24106	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	CITY OF HIGGINSVILLE 69KV	35	0.0021	-0.24143	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF IOLA 69KV	24.471	-0.0019	-0.24103	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF MULVANE 69KV	8.29	-0.00088	-0.24034	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF NEODESHA 69KV	4.495	-0.0029	-0.24093	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	CITY OF WINFIELD 69KV	26.77	-0.0007	-0.24052	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.0034	-0.24098	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	COGENTRIX 345KV	200	-0.0024	-0.24098	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	COMANCHE 138KV	160	-0.0004	-0.24082	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	COMANCHE 69KV	63	-0.0004	-0.24082	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	EASTMAN 138KV	355.0058	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	ELK RIVER 345KV	1050	-0.0005	-0.24072	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	EMPORIA 345KV	310	-0.0032	-0.2409	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	EVANS ENERGY CENTER 138KV	340	-0.00078	-0.24044	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	FITZHUGH 161KV	126	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	FLINT CREEK 161KV	428	-0.0018	-0.24104	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	FWLWIND2 34KV	23.001	-0.0044	-0.24078	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	FULTON 115KV	24.99999	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	GILL ENERGY CENTER 138KV	155	-0.0119	-0.24003	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00386	-0.23736	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	GREENWOOD 161KV	169.9976	0.0012	-0.24134	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	HAWTHORN 161KV	769	0.0042	-0.24164	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	HORSESHOE LAKE 138KV	851.5	-0.0035	-0.24087	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	HORSESHOE LAKE 69KV	16	-0.0034	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	IATAN 345KV	396	0.00157	-0.24279	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00081	-0.24203	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0042	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WEPL	JUDSON LARGE 115KV	105.5424	-0.00388	-0.23734	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	KNOXLEE 138KV	225	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	L&D13 69KV	11	-0.0016	-0.24106	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	LACYGNE UNIT 345KV	958	-0.0001	-0.24121	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	LAKE ROAD 161KV	35	0.00077	-0.24199	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	LAKE ROAD 34KV	92	0.00077	-0.24199	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	LARUSSEL 161KV	116	-0.0011	-0.24111	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00245	-0.23877	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	LEBROCK 345KV	465.0004	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	LIEBERMAN 138KV	73.99999	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	MARSHALL 161KV	15	0.0019	-0.24141	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	MCLAIN 138KV	478	-0.0036	-0.24086	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	MONTROSE 161KV	355.3524	0.0016	-0.24138	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	MUSKOGEE 161KV	166	-0.0021	-0.24101	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	MUSKOGEE 345KV	1516	-0.0022	-0.241	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	MUSTANG 138KV	365.5	-0.0036	-0.24086	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	MUSTANG 69KV	106	-0.0036	-0.24086	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	NARROWS 69KV	22	-0.0018	-0.24104	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	NEARMAN 161KV	77	0.0042	-0.24164	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	NEARMAN 20KV	230	0.0042	-0.24164	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	NORTHEASTERN STATION 138KV	500	-0.0023	-0.24099	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	NORTHEASTERN STATION 345KV	645	-0.0023	-0.24099	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	OEC 345KV	219.0044	-0.0023	-0.24099	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	ONE OAK 345KV	300	-0.0037	-0.24085	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	OZARK BEACH 161KV	16	-0.0009	-0.24113	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.0023	-0.24145	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	PIRKEY GENERATION 138KV	490	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	QUINDARO 161KV	135.1816	0.0043	-0.24165	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	KACP	QUINDARO 34KV	140	-0.0018	-0.24165	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	REDBUD 345KV	250.0003	-0.0023	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	RIVERSIDE STATION 138KV	640	-0.0024	-0.24098	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	RIVERTON 161KV	88.89612	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	RIVERTON 69KV	42.51023	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	SEMINOLE 138KV	482.8717	-0.0034	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	SEMINOLE 345KV	996	-0.0034	-0.24088	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	SIBLEY 161KV	231.5886	0.0031	-0.24153	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	SIBLEY 69KV	45.99999	0.0034	-0.24156	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	SMITH COGEN 138KV	120	-0.0036	-0.24086	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	SOONER 138KV	505	-0.0041	-0.24081	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	SOONER 345KV	513	-0.0041	-0.24081	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	MIPU	SOUTH HARPER 161KV	315	0.0002	-0.24124	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	SOUTHWESTERN STATION 138KV	257	-0.0004	-0.24082	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	EMDE	STATE LINE 161KV	503	-0.0014	-0.24108	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.0015	-0.23607	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	OKGE	TINKER 5G 138KV	31.99605	-0.0035	-0.24087	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	TULSA POWER STATION 138KV	186	-0.0024	-0.24098	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	WACO 138KV	17.967	-0.0015	-0.24007	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	WELEETKA 138KV	84	-0.0027	-0.24095	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	WELSH 345KV	1044	-0.0016	-0.24106	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	WILKES 138KV	349.5782	-0.0015	-0.24107	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	AEPW	WILKES 345KV	311	-0.0015	-0.24107	12
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WEPL	CLIFTON 115KV	58.49084	-0.01161	-0.22961	13
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.2042	14
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.06758	-0.17364	17
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.0228	-0.14529	20
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.14929	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.14924	20
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	JEFFREY ENERGY CENTER 345KV	940	0.0042	-0.13191	22
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	ARSENAL HILL 69KV	320	-0.0016	-0.12233	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	ARSENAL HILL 69KV	11.21387	-0.0013	-0.12236	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	ASBURY 161KV	191	-0.0013	-0.12236	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	BULL CREEK 161KV	338	-0.0057	-0.12306	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	CHANUTE 69KV	55.637	-0.0024	-0.12225	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	CITY OF AUGUSTA 69KV	24	-0.00082	-0.12167	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	CITY OF BURLINGTON 69KV	34.061	-0.0034	-0.12215	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	CITY OF ERIE 69KV	23.374	-0.0024	-0.12225	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	CITY OF HIGGINSVILLE 69KV	35	0.0021	-0.12227	24

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

WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	COMANCHE 69KV	63	-0.0004	-0.12209	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	EASTMAN 138KV	355.0058	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	ELK RIVER 345KV	150	-0.0005	-0.12199	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	EMPORIA 345KV	310	-0.00032	-0.12217	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	EVANS ENERGY CENTER 138KV	340	-0.00018	-0.12171	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	FITZMUGH 161KV	156	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	FLINT CREEK 161KV	428	-0.00018	-0.12231	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	FPLWIND2 34KV	23.001	-0.00044	-0.12205	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	FULTON 115KV	24.99999	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	GILL ENERGY CENTER 138KV	155	-0.00119	-0.1213	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	GREENWOOD 161KV	169.9976	0.00012	-0.12261	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	HAWTHORN 161KV	769	0.00042	-0.12291	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00035	-0.12214	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	HORSESHOE LAKE 69KV	16	-0.00034	-0.12215	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	IATAN 345KV	396	0.00157	-0.12408	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00081	-0.1233	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	KNOXLEE 138KV	225	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	L&D13 69KV	11	-0.00016	-0.12233	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	LACYGNE UNIT 345KV	958	-0.00001	-0.12248	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	LAKE ROAD 161KV	35	0.00077	-0.12326	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	LAKE ROAD 34KV	92	0.00077	-0.12326	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	LARUSSEL 161KV	116	-0.00011	-0.12238	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00245	-0.12004	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	LEBROCK 345KV	465.00016	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	LIEBERMAN 138KV	73.99999	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	MARSHALL 161KV	15	0.00019	-0.12265	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	MCLAIN 138KV	478	-0.00036	-0.12213	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	MONTROSE 161KV	355.3524	0.00016	-0.12265	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	MUSKOGEE 161KV	166	-0.00021	-0.12228	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	MUSKOGEE 345KV	1516	-0.00022	-0.12227	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	MUSTANG 138KV	365.5	-0.00036	-0.12213	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	MUSTANG 69KV	106	-0.00036	-0.12213	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	NARROWS 69KV	22	-0.00018	-0.12231	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACY	NEARMAN 161KV	77	0.00042	-0.12291	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	NEARMAN 20KV	200	0.00042	-0.12291	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	NORTHEASTERN STATION 138KV	500	-0.00023	-0.12228	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	NORTHEASTERN STATION 345KV	645	-0.00023	-0.12228	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	OEC 345KV	219.0044	-0.00023	-0.12228	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	ONE OAK 345KV	300	-0.00037	-0.12212	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.12224	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00023	-0.12272	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	PIRKEY GENERATION 138KV	490	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACP	QUINDARO 161KV	135.1816	0.00043	-0.12292	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	KACY	QUINDARO 69KV	140	0.00043	-0.12292	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	REBROCK 345KV	250.0063	-0.00034	-0.12215	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	RIVERSIDE STATION 138KV	640	-0.00024	-0.12225	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	RIVERTON 161KV	88.89612	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	RIVERTON 69KV	42.51023	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	SEMINOLE 138KV	482.8771	-0.00034	-0.12215	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	SEMINOLE 345KV	996	-0.00034	-0.12215	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	SIBLEY 161KV	231.5886	0.00031	-0.12228	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	SIBLEY 69KV	45.99999	0.00034	-0.12283	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	SMITH COGEN 138KV	120	-0.00036	-0.12213	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	SOONER 138KV	505	-0.00041	-0.12208	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	SOONER 345KV	513	-0.00041	-0.12208	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	MIPU	SOUTH HARPER 161KV	315	0.00002	-0.12251	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	SOUTHWESTERN STATION 138KV	257	-0.0004	-0.12209	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	EMDE	STATE LINE 161KV	503	-0.00014	-0.12235	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	OKGE	TINKER 5G 138KV	31.99005	-0.00035	-0.12214	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	TULSA POWER STATION 138KV	186	-0.00024	-0.12225	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	WACO 138KV	17.967	-0.00115	-0.12134	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	WELETKA 138KV	84	-0.00027	-0.12222	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	WELSH 345KV	1044	-0.00016	-0.12233	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	WILKES 138KV	349.5782	-0.00015	-0.12234	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	AEPW	WILKES 345KV	311	-0.00015	-0.12234	24
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WEPL	A. M. MULLER-REND GENERATOR 115KV	63	-0.006	-0.11649	25
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WEPL	GRAY COUNTY WIND FARM 115KV	80	-0.00386	-0.11863	25
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WEPL	JUDSON LARGE 115KV	105.5424	-0.00388	-0.11861	25
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00515	-0.11734	25
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.24122	WERE	BPU - CITY OF MCPHERSON 115KV	104.9443	-0.12249	-0.11873	25
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WEPL	CLIFTON 115KV	58.49064	-0.01161	-0.11088	26
WEPL	BELOIT 115KV	16.6	-0.01146	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.09317	31
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.0228	-0.09038	32
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.0228	-0.09033	32
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.006	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08771	33
WEPL	HARPER 138KV	17.21	-0.00564	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08735	34
MIDW	lyons 115kv	999	-0.00538	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08709	34
MIDW	pannee 115kv	999	-0.00538	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08709	34
MIDW	rice 115kv	999	-0.00538	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08709	34
WEPL	RUSSELL 115KV	27.9	-0.0056	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08751	34
WERE	SOUTH SENECA 115KV	16.7	-0.00369	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.0854	34
WERE	TECUMSEH ENERGY CENTER 115KV	52.99999	-0.00515	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08686	34
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00568	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08739	34
WEPL	CIMARRON RIVER 115KV	47	-0.00224	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08395	35
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00119	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.0829	35
WERE	GILL ENERGY CENTER 69KV	118	-0.00108	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08279	35
WERE	LAWRENCE ENERGY CENTER 230KV	35.52844	-0.00245	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08416	35
MIPU	ARIES 161KV	594.9955	0.0001	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08161	36
AEPW	ARSENAL HILL 69KV	78.78613	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08184	36
EMDE	ASBURY 161KV	20	-0.00013	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08184	36
KACP	BULL CREEK 161KV	65	0.00057	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08114	36
WERE	CHANUTE 69KV	32.163	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
WERE	CITY OF BURLINGTON 69KV	21.939	-0.00034	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08205	36
WERE	CITY OF IOLA 69KV	13.157	-0.00019	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08119	36
WERE	CITY OF WINFIELD 69KV	13.23	-0.00017	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08241	36
AEPW	COCENTRIX 345KV	694	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00041	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08212	36
AEPW	EASTMAN 138KV	130.0042	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
WERE	EMPORIA 345KV	518	-0.00032	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08203	36
WERE	EVANS ENERGY CENTER 138KV	467	-0.00078	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08249	36
WERE	GETTY 69KV	35	-0.00087	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08258	36
MIPU	GREENWOOD 161KV	79.80244	0.00012	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08159	36
WERE	HOLTON 115KV	19.8	-0.00042	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08213	36
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00081	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.0809	36
KACY	KAW 69KV	192	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08128	36
AEPW	KIOWA 345KV	1347.997	-0.00029	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.082	36
AEPW	KNOXLEE 138KV	198	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
AEPW	L&D13 69KV	13	-0.00016	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08187	36
MIPU	LAKE ROAD 161KV	91	0.00077	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08094	36
EMDE	LARUSSEL 161KV	180	-0.00011	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08182	36
AEPW	LEBROCK 345KV	231.9996	-0.0001						

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

OKGE	MUSKOGEE 345KV	20	-0.00022	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08193	36
KACY	NEARMAN 20KV	14.99998	0.00042	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08129	36
MIPU	NEVADA 69KV	20.3	0.00006	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08165	36
KACP	NORTHEAST 13KV	209	0.00044	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08127	36
KACP	NORTHEAST 161KV	229	0.00044	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08127	36
AEPW	OEC 345KV	1928.026	-0.00023	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08194	36
OKGE	ONE OAK 345KV	36	-0.00037	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08208	36
KACP	PAOLA COMBUSTION TURBINES 161KV	13.9458	0.00023	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08148	36
AEPW	PIRKEY GENERATION 138KV	25	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
KACY	QUINDARO 161KV	49.81839	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08128	36
KACY	QUINDARO 69KV	32	0.00043	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08128	36
MIPU	RALPH GREEN 69KV	73.7	0.0001	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08161	36
OKGE	RED ROCK 345KV	1050	-0.00041	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08212	36
OKGE	REDBUD 345KV	949.9937	-0.00034	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08205	36
AEPW	RIVER SIDE 138KV	172	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
AEPW	RIVERSIDE STATION 138KV	82.00003	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
EMDE	RIVERTON 161KV	233.1039	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
EMDE	RIVERTON 69KV	25.48977	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
OKGE	SEMINOLE 138KV	22.12292	-0.00034	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08205	36
MIPU	SIBLEY 161KV	18.41138	0.00031	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.0814	36
OKGE	SOONER 138KV	24.99997	-0.00041	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08212	36
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00042	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08213	36
AEPW	SOUTHWESTERN STATION 138KV	502	-0.0004	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08211	36
EMDE	STATE LINE 161KV	103	-0.00014	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08185	36
OKGE	TINKER 52 138KV	30.00198	-0.00035	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08206	36
AEPW	TULSA POWER STATION 138KV	108	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
AEPW	TULSA POWER STATION 69KV	80	-0.00024	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08195	36
AEPW	TURK 138KV	608	-0.00016	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08187	36
MIPU	TWA 161KV	32.1	0.00058	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08113	36
AEPW	WEELETKA 138KV	58	-0.00027	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08198	36
AEPW	WILKES 138KV	113.4218	-0.00015	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.08186	36
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00942	-0.077	38
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	JEFFREY ENERGY CENTER 345KV	940	0.00942	-0.07695	38
WERE	JEFFREY ENERGY CENTER 345KV	42	0.00942	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.07229	41
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	IATAN 345KV	396	0.00157	-0.06815	42
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	IATAN 345KV	396	0.00157	-0.06815	42
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	ASBURY 161KV	191	-0.00013	-0.06745	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	BULL CREEK 161KV	308	0.00057	-0.06815	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00021	-0.06779	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	GREENWOOD 161KV	169.9976	0.00012	-0.06777	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	HAWTHORN 161KV	769	0.00042	-0.068	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00081	-0.06839	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	LACYGNE UNIT 345KV	958	-0.00001	-0.06757	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	LAKE ROAD 161KV	35	0.00077	-0.06835	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	LAKE ROAD 34KV	92	0.00077	-0.06835	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	LARUSSEL 161KV	116	-0.00011	-0.06747	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	MARSHALL 161KV	15	0.00019	-0.06772	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	MONTROSE 161KV	355.3524	0.00016	-0.06774	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACY	NEARMAN 161KV	77	0.00042	-0.068	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACY	NEARMAN 20KV	220	0.00042	-0.068	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.06749	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00023	-0.06781	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACY	QUINDARO 161KV	135.1816	0.00043	-0.06801	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	KACY	QUINDARO 69KV	140	0.00043	-0.06801	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	SIBLEY 161KV	231.5886	0.00031	-0.06789	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	SIBLEY 69KV	45.99998	0.00034	-0.06792	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	MIPU	SOUTH HARPER 161KV	315	0.00002	-0.0676	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	BULL CREEK 161KV	308	0.00057	-0.0681	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	CITY OF HIGGINSVILLE 69KV	35	0.00021	-0.06774	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	GREENWOOD 161KV	169.9976	0.00012	-0.06765	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	HAWTHORN 161KV	769	0.00042	-0.06795	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00081	-0.06834	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	LACYGNE UNIT 345KV	958	-0.00001	-0.06752	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	LAKE ROAD 161KV	35	0.00077	-0.0683	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	LAKE ROAD 34KV	92	0.00077	-0.06835	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	MARSHALL 161KV	15	0.00019	-0.06772	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	MONTROSE 161KV	355.3524	0.00016	-0.06769	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACY	NEARMAN 161KV	77	0.00042	-0.06795	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACY	NEARMAN 20KV	220	0.00042	-0.06795	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACP	PAOLA COMBUSTION TURBINES 161KV	63.0542	0.00023	-0.06776	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACY	QUINDARO 161KV	135.1816	0.00043	-0.06796	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	KACY	QUINDARO 69KV	140	0.00043	-0.06796	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	SIBLEY 161KV	231.5886	0.00031	-0.06784	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	SIBLEY 69KV	45.99998	0.00034	-0.06787	43
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	MIPU	SOUTH HARPER 161KV	315	0.00002	-0.06755	43
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	LESLIE 161KV	320	-0.00016	-0.06742	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CHANUTE 69KV	55.637	-0.00024	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CITY OF AUGUSTA 69KV	24	-0.00082	-0.06676	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00034	-0.06724	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CITY OF ERIE 69KV	23.374	-0.00024	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CITY OF IOLA 69KV	24.471	-0.00019	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	CITY OF WINFIELD 69KV	26.77	-0.00007	-0.06688	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00034	-0.06724	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	COGENTRIX 345KV	200	-0.00024	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	COMANCHE 138KV	160	-0.0004	-0.06718	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	COMANCHE 69KV	63	-0.0004	-0.06718	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	EASTMAN 138KV	355.0058	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	ELK RIVER 345KV	150	-0.0005	-0.06708	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	EMPORIA 345KV	310	-0.00032	-0.06726	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	EVANS ENERGY CENTER 138KV	340	-0.00078	-0.0668	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	FITZHUGH 161KV	126	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	FLINT CREEK 161KV	428	-0.00018	-0.0674	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	FPLWIND2 34KV	23.001	-0.00044	-0.06714	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	FULTON 115KV	24.99999	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	GILL ENERGY CENTER 138KV	155	-0.00119	-0.06639	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00035	-0.06723	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	HORSESHOE LAKE 69KV	16	-0.00035	-0.06724	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	KNOXLEE 138KV	225	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	LEBROCK 345KV	465.0004	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	LIEBERMAN 138KV	73.99999	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	MCCLAIN 138KV	478	-0.00036	-0.06722	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	MUSKOGEE 161KV	166	-0.00021	-0.06737	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	MUSKOGEE 345KV	1516	-0.00022	-0.06736	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	MUSTANG 138KV	365.5	-0.00036	-0.06722	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	MUSTANG 69KV	106	-0.00036	-0.06722	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	NARROWS 69KV	22	-0.00016	-0.0674	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	NORTHEASTERN STATION 138KV	500	-0.00023	-0.06735	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	NORTHEASTERN STATION 345KV	645	-0.00023	-0.06735	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	OEC 345KV	219.0044	-0.00023	-0.06735	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	ONE OAK 345KV	300	-0.00037	-0.06721	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	PIRKEY GENERATION 138KV	490	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	REDBUD 345KV	250.0063	-0.00034	-0.06724	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	RIVERSIDE STATION 138KV	640	-0.00024	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	RIVERTON 161KV	88.89612	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	RIVERTON 69KV	42.51023</			

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

WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	SOONER 345KV	513	-0.00041	-0.06717	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	SOUTHWESTERN STATION 138KV	257	-0.0004	-0.06718	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	EMDE	STATE LINE 161KV	503	-0.00014	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	OKGE	TINKER 5G 138KV	31.99805	-0.00035	-0.06723	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	TULSA POWER STATION 138KV	186	-0.00024	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	WACO 138KV	17.967	-0.00115	-0.06643	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	WELEETKA 138KV	84	-0.00027	-0.06731	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	WELSH 345KV	1044	-0.00016	-0.06742	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	WILKES 138KV	349.5782	-0.00015	-0.06743	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	AEPW	WILKES 345KV	311	-0.00015	-0.06743	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	AES 161KV	320	-0.00016	-0.06737	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	ASBURY 161KV	191	-0.00013	-0.0674	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CHANUTE 69KV	56.637	-0.00024	-0.06729	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CITY OF AUGUSTA 69KV	24	-0.00082	-0.06671	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CITY OF BURLINGSTON 69KV	34.061	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CITY OF ERIE 69KV	23.374	-0.00024	-0.06729	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CITY OF IOLA 69KV	24.471	-0.00019	-0.06734	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	CITY OF WINFIELD 69KV	26.77	-0.0007	-0.06683	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	COGENTRIX 345KV	200	-0.00024	-0.06729	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	COMANCHE 138KV	160	-0.0004	-0.06713	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	COMANCHE 69KV	63	-0.0004	-0.06713	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	EASTMAN 138KV	355.0058	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	ELK RIVER 345KV	150	-0.0005	-0.06703	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	EMPORIA 345KV	310	-0.00032	-0.06721	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	EVANS ENERGY CENTER 138KV	340	-0.00028	-0.06673	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	FITZHUGH 161KV	126	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	FLINT CREEK 161KV	428	-0.00018	-0.06735	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	FPLWND2 34KV	23.001	-0.00044	-0.06709	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	FULTON 115KV	24.99999	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	GILL ENERGY CENTER 138KV	155	-0.00119	-0.06634	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00035	-0.06718	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	HORSESHOE LAKE 69KV	16	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	KNOXLEE 138KV	225	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	LARUSSEL 161KV	116	-0.00011	-0.06742	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	LEBROCK 345KV	465.0004	-0.00023	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	LIEBERMAN 138KV	73.99999	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	MCCLAINE 138KV	478	-0.00036	-0.06717	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	MUSKOGEE 161KV	166	-0.00021	-0.06732	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	MUSKOGEE 345KV	1516	-0.00022	-0.06731	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	MUSTANG 138KV	365.5	-0.00036	-0.06717	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	MUSTANG 69KV	106	-0.00036	-0.06717	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	NARROWS 69KV	22	-0.00018	-0.06735	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	NORTHEASTERN STATION 138KV	500	-0.00023	-0.0673	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	NORTHEASTERN STATION 345KV	645	-0.00023	-0.0673	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	OEC 345KV	219.0044	-0.00023	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	ONE OAK 345KV	300	-0.00037	-0.06716	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	OZARK BEACH 161KV	16	-0.00009	-0.06744	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	PIRKEY GENERATION 138KV	490	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	REDBUD 345KV	250.0063	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	RIVERSIDE STATION 138KV	640	-0.00024	-0.06729	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	RIVERTON 161KV	88.89612	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	RIVERTON 69KV	42.51023	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	SEMINOLE 138KV	482.8771	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	SEMINOLE 345KV	996	-0.00034	-0.06719	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	SMITH COGEN 138KV	120	-0.00036	-0.06717	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	SOONER 138KV	505	-0.00041	-0.06712	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	SOONER 345KV	513	-0.00041	-0.06712	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	SOUTHWESTERN STATION 138KV	257	-0.0004	-0.06713	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	EMDE	STATE LINE 161KV	503	-0.00014	-0.06739	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	OKGE	TINKER 5G 138KV	31.99805	-0.00035	-0.06723	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	TULSA POWER STATION 138KV	186	-0.00024	-0.06729	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WERE	WACO 138KV	17.967	-0.00115	-0.06643	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	WELEETKA 138KV	84	-0.00027	-0.06726	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	WELSH 345KV	1044	-0.00016	-0.06737	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	WILKES 138KV	349.5782	-0.00015	-0.06738	44
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	AEPW	WILKES 345KV	311	-0.00015	-0.06738	44
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00245	-0.06513	45
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	LAWRENCE ENERGY CENTER 230KV	233.4716	-0.00245	-0.06508	45
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00386	-0.06372	46
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WEPL	JUDSON LARGE 115KV	105.5424	-0.00388	-0.0637	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.00386	-0.06367	46
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WEPL	JUDSON LARGE 115KV	105.5424	-0.00388	-0.06365	46
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00515	-0.06243	47
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00515	-0.06238	47
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.006	-0.06158	48
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	-0.006	-0.06153	48
MIDW	GOODMAN ENERGY CENTER 115KV	159.36	0.0228	WERE	SMOKEY HILLS 34KV	152	0.08171	-0.05891	50
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.06758	WEPL	CLIFTON 115KV	58.49084	-0.01161	-0.05597	52
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.06753	WEPL	CLIFTON 115KV	58.49084	-0.01161	-0.05592	52
WERE	BPU - CITY OF MCPHERSON 115KV	89.05566	-0.12249	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.06758	-0.05491	53

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: RENO - SUMMIT 345KV & WICHITA - RENO 345KV
 Limiting Facility: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: EXIDE JUNCTION - SUMMIT 115KV CKT 1
 Flowgate: 57371573811573685738112211SP
 Date Redispatch Needed: Starting 2009 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1140120	2.8	8.5
1161506	2.9	8.5
1162075	1.3	8.5
1162678	0.7	8.5
1162681	0.7	8.5

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.32797	26
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.26936	31
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01474	-0.24527	34
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.01228	-0.24281	35
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00797	-0.2385	35
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.23849	35
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	ARIES 161KV	176.2461	0.00122	-0.23175	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.23219	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	CITY OF HIGGINSVILLE 69KV	34	0.00122	-0.23175	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	EMPORIA 345KV	63	0.00182	-0.23235	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	GREENWOOD 161KV	189.4410	0.00125	-0.23178	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	HAWTHORN 161KV	769	0.00183	-0.23236	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	IATAN 345KV	396	0.00383	-0.23436	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	IATAN 345KV	396	0.00383	-0.23436	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.23664	36
WERE	CLAY CENTER JUNCTION 115KV	38.							

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

WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	MARSHALL 161KV	15	0.00103	-0.23156	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	MONTROSE 161KV	363.8085	0.00111	-0.23164	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	NEARMAN 161KV	77	0.00193	-0.23246	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	NEARMAN 20KV	220	0.00193	-0.23246	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	QUINDARO 161KV	140.2385	0.00193	-0.23246	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	QUINDARO 69KV	140	0.00193	-0.23246	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SIBLEY 161KV	229.0558	0.00159	-0.23212	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SIBLEY 69KV	45.99999	0.00165	-0.23218	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.23165	36
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	AES 161KV	320	-0.00113	-0.2294	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	ASBURY 161KV	191	-0.00119	-0.22934	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CHANUTE 69KV	58.843	-0.00197	-0.22856	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF BURLINGTON 69KV	39.766	-0.00348	-0.22705	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF ERIE 69KV	23.579	-0.00197	-0.22856	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF IOLA 69KV	27.273	-0.00167	-0.22886	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CLIFTON 115KV	65	-0.00416	-0.22637	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00348	-0.22705	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COGENTRIX 345KV	200	-0.00179	-0.22874	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COMANCHE 138KV	160	-0.00176	-0.22877	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COMANCHE 69KV	63	-0.00176	-0.22877	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	EASTMAN 138KV	355.0089	-0.00094	-0.22959	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	ELK RIVER 345KV	150	-0.00475	-0.22578	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	FITZHUGH 161KV	113.98	-0.00104	-0.22949	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	FLINT CREEK 161KV	428	-0.00139	-0.22914	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00238	-0.22815	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	HORSESHOE LAKE 69KV	16	-0.00245	-0.22868	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	JL STALL 138KV	455	-0.00087	-0.22868	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	KNOXLEE 138KV	160.7747	-0.00093	-0.2296	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	LARUSSEL 161KV	46.61621	-0.00097	-0.22956	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.23116	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	LEBROCK 345KV	365.0053	-0.00094	-0.22959	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	LIEBERMAN 138KV	73.99999	-0.00088	-0.22965	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MCCLAIN 138KV	478	-0.0024	-0.22813	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.22899	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSKOGEE 345KV	1516	-0.00162	-0.22891	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSTANG 138KV	365.5	-0.00245	-0.22868	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSTANG 69KV	106	-0.00245	-0.22868	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NARROWS 69KV	22	-0.00115	-0.22938	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NORTHEASTERN STATION 138KV	500	-0.00176	-0.22877	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NORTHEASTERN STATION 345KV	645	-0.00177	-0.22876	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	OEC 345KV	269.0005	-0.00173	-0.2288	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	ONE OAK 345KV	300	-0.0027	-0.22783	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	OZARK BEACH 161KV	16	-0.00077	-0.22976	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	PIRKREY GENERATION 138KV	480	-0.00094	-0.22959	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	REDBUD 345KV	438.4028	-0.0024	-0.22813	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	RIVERSIDE STATION 138KV	482	-0.00179	-0.22874	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	RIVERTON 161KV	38	-0.00124	-0.22929	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	RIVERTON 69KV	40.3317	-0.00121	-0.22932	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SEMINOLE 138KV	477.0613	-0.00219	-0.22834	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SEMINOLE 345KV	996	-0.00224	-0.22829	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SMITH COGEN 138KV	120	-0.00244	-0.22809	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOONER 138KV	505	-0.00328	-0.22725	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOONER 345KV	513	-0.00335	-0.22718	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOUTH 4TH ST 69KV	47.2	-0.00331	-0.22722	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	SOUTHWESTERN STATION 138KV	42	-0.0018	-0.22873	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	STATE LINE 161KV	503	-0.0012	-0.22933	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00167	-0.22886	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	TINKER 5G 138KV	62	-0.00236	-0.22817	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	TULSA POWER STATION 138KV	77	-0.00178	-0.22875	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	TURK 138KV	443	-0.00103	-0.2295	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WELETKA 138KV	128	-0.00181	-0.22872	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WELSH 345KV	1044	-0.00103	-0.2295	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WILKES 138KV	193.923	-0.00097	-0.22956	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WILKES 345KV	253	-0.00095	-0.22958	37
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF AUGUSTA 69KV	24	-0.00587	-0.22466	38
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF WINFIELD 69KV	37.87	-0.0052	-0.22533	38
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	EVANS ENERGY CENTER 138KV	340	-0.00752	-0.22301	38
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	GILL ENERGY CENTER 138KV	155	-0.00653	-0.224	38
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	WACO 138KV	17.972	-0.00663	-0.2239	38
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.03017	-0.20036	42
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.19357	84
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.13496	63
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	BPU - CITY OF MCPHERSON 115KV	115.5408	-0.09613	-0.1344	63
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.12761	86
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.12765	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01474	-0.10887	76
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01228	-0.10841	78
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WEPL	GRAY COUNTY WIND FARM 115KV	80	0.00797	-0.1041	81
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.10409	81
WERE	EVANS ENERGY CENTER 138KV	467	-0.00752	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10496	81
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00653	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10397	81
WERE	GILL ENERGY CENTER 69KV	118	-0.00653	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10397	81
WERE	GETTY 69KV	35	-0.0057	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10314	82
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.10224	83
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00328	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10072	84
OKGE	ONE OAK 345KV	36	-0.0027	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10014	84
OKGE	RED ROCK 345KV	1050	-0.00335	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.10079	84
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACP	IATAN 345KV	396	0.00383	-0.09996	85
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACP	IATAN 345KV	1819	0.00383	-0.09996	85
WERE	CHANUTE 69KV	28.957	-0.00197	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09941	85
AEPW	COGENTRIX 345KV	694	-0.00179	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09923	85
AEPW	KIOWA 345KV	1347.994	-0.00185	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09929	85
AEPW	MATTISON 161KV	510	-0.00141	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09885	85
OKGE	MCCLAIN 138KV	42	-0.0024	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09884	85
AEPW	MID-CONTINENT 138KV	142.0984	-0.00158	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09802	85
OKGE	MUSKOGEE 161KV	31	-0.00154	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09898	85
AEPW	OEC 345KV	1878.026	-0.00173	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09917	85
OKGE	REDBUD 345KV	761.5974	-0.0024	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09984	85
AEPW	RIVER SIDE 138KV	172	-0.00179	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09923	85
AEPW	RIVERSIDE STATION 138KV	240	-0.00179	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09923	85
AEPW	SOUTHWESTERN STATION 138KV	587	-0.0018	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09924	85
WERE	TECUMSEH ENERGY CENTER 115KV	52.99999	-0.00167	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09911	85
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00211	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09955	85
AEPW	TULSA POWER STATION 138KV	217	-0.00178	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09922	85
AEPW	TULSA POWER STATION 69KV	80	-0.00178	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09922	85
AEPW	ARSENAL HILL 69KV	99	-0.00087	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09831	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACP	BULL CREEK 161KV	192.0283	0.00166	-0.09779	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	EMPORIA 345KV	610	0.00182	-0.09795	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACP	HAWTHORN 161KV	769	0.00183	-0.09796	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	MIPU	LAKE ROAD 161KV	35	0.00267	-0.0988	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	MIPU	LAKE ROAD 34KV	92	0.00267	-0.0988	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACY	NEARMAN 161KV	77	0.00193	-0.09806	86
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	KACY	NEARMAN 20KV	220	0.00193	-0.09806	86
WERE									

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

AEPW	'KNOXLEE 138KV'	262.2253	-0.00093	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09837	86
EMDE	'LARUSSEL 161KV'	249.3838	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	86
AEPW	'LEBROCK 345KV'	331.9947	-0.00094	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09838	86
AEPW	'LIEBERMAN 138KV'	154	-0.00088	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09832	86
AEPW	'LONGSTAR POWER PLANT 69KV'	50	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	86
AEPW	'PIRKEY GENERATION 138KV'	35	-0.00094	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09838	86
EMDE	'RIVERTON 161KV'	284	-0.00124	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09868	86
EMDE	'STATE LINE 161KV'	103	-0.0012	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09864	86
AEPW	'TURK 138KV'	35	-0.00103	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09847	86
AEPW	'WILKES 138KV'	269.077	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	86
AEPW	'WILKES 345KV'	58	-0.00095	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09839	86
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'ARIES 161KV'	176.2461	0.00122	-0.09735	87
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACP	'CITY OF HIGGINSVILLE 69KV'	34	0.00122	-0.09735	87
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'GREENWOOD 161KV'	189.4481	0.00125	-0.09738	87
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'LAWRENCE ENERGY CENTER 230KV'	222.873	0.00363	-0.09876	87
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACP	'MONTROSE 161KV'	363.8085	0.00111	-0.09724	87
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'SOUTH HARPER 161KV'	315	0.00112	-0.09725	87
WERE	'LAWRENCE ENERGY CENTER 230KV'	46.12704	0.00063	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09681	87
KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	0.00083	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09661	87
MIPU	'ARIES 161KV'	418.7539	0.00122	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09622	88
KACP	'BULL CREEK 161KV'	180.9707	0.00166	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09578	88
WERE	'EMPORIA 345KV'	218	0.00182	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09562	88
MIPU	'GREENWOOD 161KV'	58.35188	0.00125	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09619	88
KACY	'KAW 69KV'	192	0.00192	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09562	88
KACP	'MARSHALL 161KV'	39.1	0.00103	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09641	88
KACP	'NORTHEAST 13KV'	229	0.00189	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09555	88
KACP	'NORTHEAST 161KV'	229	0.00189	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09555	88
KACY	'QUINDARO 161KV'	44.76152	0.00193	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09551	88
KACY	'QUINDARO 69KV'	32	0.00193	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09551	88
MIPU	'RALPH GREEN 69KV'	73.7	0.00118	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09626	88
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'AES 161KV'	320	-0.00113	-0.095	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'ASBURY 161KV'	191	-0.00119	-0.09494	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'EASTMAN 138KV'	355.0089	-0.00094	-0.09519	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'FITZHUGH 161KV'	113.98	-0.00104	-0.09509	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'FLINT CREEK 161KV'	428	-0.00139	-0.09474	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'JUL STALL 138KV'	455	-0.00087	-0.09528	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'KNOXLEE 138KV'	160.7747	-0.00093	-0.0952	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'LARUSSEL 161KV'	46.81621	-0.00097	-0.09516	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'LEBROCK 345KV'	365.0053	-0.00094	-0.09519	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'LIEBERMAN 138KV'	73.99999	-0.00088	-0.09525	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'MUSKOGEE 161KV'	166	-0.00154	-0.09459	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'MUSKOGEE 345KV'	1516	-0.00162	-0.09451	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'PIRKEY GENERATION 138KV'	480	-0.00094	-0.09519	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'RIVERTON 161KV'	38	-0.00124	-0.09489	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'RIVERTON 69KV'	40.33317	-0.00121	-0.09492	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'STATE LINE 161KV'	108	-0.0012	-0.09493	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'TECUMSEH ENERGY CENTER 115KV'	108	-0.00167	-0.09448	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'TURK 138KV'	443	-0.00103	-0.0951	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'WELSH 345KV'	1044	-0.00103	-0.0951	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'WILKES 138KV'	193.233	-0.00097	-0.09516	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'WILKES 345KV'	253	-0.00095	-0.09518	89
MIPU	'LAKE ROAD 161KV'	91	0.00267	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09477	89
MIPU	'TWA 161KV'	32.1	0.00216	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09528	89
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CHANUTE 69KV'	58.843	-0.00197	-0.09416	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'COGENTRIX 345KV'	200	-0.00179	-0.09434	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'COMANCHE 138KV'	160	-0.00176	-0.09437	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'COMANCHE 69KV'	63	-0.00176	-0.09437	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'HORSESHOE LAKE 138KV'	851.5	-0.00238	-0.09375	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'MCCLAIN 138KV'	478	-0.0024	-0.09373	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'MUSTANG 138KV'	365.5	-0.00245	-0.09368	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'MUSTANG 69KV'	106	-0.00245	-0.09368	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'NORTHEASTERN STATION 138KV'	500	-0.00176	-0.09437	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'NORTHEASTERN STATION 345KV'	645	-0.00177	-0.09436	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'OEC 345KV'	269.0035	-0.00173	-0.0944	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'ONE DAY 345KV'	300	-0.0027	-0.09343	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'REDBUD 345KV'	438.4026	-0.002	-0.09373	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'RIVERSIDE STATION 138KV'	482	-0.00179	-0.09434	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SEMINOLE 138KV'	477.0613	-0.00219	-0.09394	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SEMINOLE 345KV'	996	-0.00224	-0.09389	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SMITH COGEN 138KV'	120	-0.00244	-0.09369	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'SOUTHWESTERN STATION 138KV'	172	-0.0018	-0.09433	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'TINKER 5G 138KV'	62	-0.00236	-0.09377	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'TULSA POWER STATION 138KV'	77	-0.00178	-0.09435	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEWP	'WELDEETA 138KV'	128	-0.00181	-0.09432	90
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF BURLINGTON 69KV'	38.766	-0.00348	-0.09265	91
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SOONER 138KV'	505	-0.00328	-0.09265	91
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SOONER 345KV'	513	-0.00335	-0.09278	91
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00331	-0.09282	91
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'CLIFTON 115KV'	65	-0.00416	-0.09197	92
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'ELK RIVER 345KV'	160	-0.00475	-0.09138	92
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF WINFIELD 69KV'	37.87	-0.0052	-0.09093	93
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'GILL ENERGY CENTER 138KV'	155	-0.00653	-0.0896	94
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.00752	-0.08861	95
WEPL	'CIMARRON RIVER 115KV'	43.70087	0.00801	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.08943	95
MIDW	'lyons 115kv'	989	0.01111	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.08933	96
MIDW	'pannee 115kv'	989	0.01111	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.08933	96
MIDW	'rice 115kv'	989	0.01111	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.08933	96
WERE	'JEFFREY ENERGY CENTER 345KV'	42	0.01474	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.0827	102
WERE	'HUTCHINSON ENERGY CENTER 115KV'	291	-0.03017	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.069	122
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.03011	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.06894	123
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'HUTCHINSON ENERGY CENTER 115KV'	205	-0.03017	-0.06596	128
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	0.03883	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.05861	144
WERE	'EVANS ENERGY CENTER 138KV'	467	-0.00752	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.04635	182
WERE	'GILL ENERGY CENTER 138KV'	84.99999	-0.00653	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.04536	186
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00653	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.04536	186
WERE	'HUTCHINSON ENERGY CENTER 115KV'	291	-0.03017	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01474	-0.04491	188
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.03011	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01474	-0.04485	188
OKGE	'RED ROCK 345KV'	1050	-0.00335	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.04218	200
OKGE	'REDBUD 345KV'	761.5974	-0.0024	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.03883	-0.04123	205</

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

KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.0083	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.038	222
MIPU	ARIES 161KV	418.7539	0.0122	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03761	225
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.03628	233
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	IATAN 345KV	396	0.00383	-0.034	249
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	IATAN 345KV	1819	0.00383	-0.034	249
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	LAKE ROAD 34KV	92	0.00267	-0.03284	257
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	NEARMAN 20KV	220	0.00193	-0.0321	263
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	QUINDARO 161KV	140.2385	0.00193	-0.0321	263
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	QUINDARO 69KV	140	0.00193	-0.0321	263
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	EMPORIA 345KV	610	0.00182	-0.03199	264
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	HAWTHORN 161KV	769	0.00183	-0.032	264
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.03183	266
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	SIBLEY 161KV	229.0558	0.00159	-0.03176	266
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	ARIES 161KV	176.2461	0.00122	-0.03139	269
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	GREENWOOD 161KV	189.4481	0.00125	-0.03142	269
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	MONTROSE 161KV	363.8085	0.00111	-0.03128	270
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.03129	270
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.0308	274

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: NORTHVIEW - SUMMIT 115KV CKT 1
 Direction: To->From
 Line Outage: SPP-WERE-73
 Flowgate: 57371573811SPP-WERE-732211SP
 Date Redispatch Needed: Starting 2009/6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2011 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1140120	0.2	0.7
1161506	0.2	0.7
1162075	0.1	0.7
1162078	0.1	0.7
1162881	0.1	0.7

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	5.999996	-0.35234	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.01228	-0.36462	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	AES 161KV	320	-0.00113	-0.35121	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIPU	ARIES 161KV	176.2461	0.00122	-0.35356	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	ASBURY 161KV	191	-0.00119	-0.35115	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.354	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CHANUTE 69KV	58.843	-0.00197	-0.35037	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WEPL	CHARARRON RIVER 115KV	3,299,129	0.00801	-0.36035	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF AUGUSTA 69KV	24	-0.00587	-0.34847	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF BURLINGTON 69KV	39.766	-0.00348	-0.34886	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF ERIE 69KV	23.579	-0.00197	-0.35037	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF FREDONIA 69KV	3.897	-0.00235	-0.34999	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF GIRARD 69KV	5.092	-0.00148	-0.35086	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	CITY OF HIGGINSVILLE 69KV	34	0.00122	-0.35356	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF IOLA 69KV	27.273	-0.00167	-0.35067	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF MULVANE 69KV	9.291	-0.00632	-0.34602	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF NEODESHA 69KV	4.5	-0.00227	-0.35007	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	CITY OF WINFIELD 69KV	37.87	-0.0052	-0.34714	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WEPL	CLIFTON 115KV	65	-0.00416	-0.34818	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00348	-0.34886	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	COGENTRIX 345KV	200	-0.00179	-0.35055	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIDW	COLBY 115KV	6.37307	0.01231	-0.36465	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	COMANCHE 138KV	160	-0.00176	-0.35058	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	COMANCHE 69KV	63	-0.00176	-0.35058	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	EASTMAN 138KV	355.0089	-0.00094	-0.3514	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	ELK RIVER 345KV	150	-0.00475	-0.34759	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	EMPORIA 345KV	610	0.00182	-0.35418	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	EVANS ENERGY CENTER 138KV	340	-0.00752	-0.34482	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	FITZHUGH 161KV	113.98	-0.00104	-0.3513	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	FLINT CREEK 161KV	428	-0.00139	-0.35095	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	FPLWIND2 34KV	7.9968	-0.00243	-0.34991	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	GILL ENERGY CENTER 138KV	155	-0.00653	-0.34581	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.39117	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00797	-0.36031	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIPU	GREENWOOD 161KV	189.4481	0.00125	-0.35359	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	HAWTHORN 161KV	769	0.00183	-0.35417	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00238	-0.34996	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	HORSESHOE LAKE 69KV	16	-0.00233	-0.35001	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.03017	-0.32217	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	IATAN 345KV	396	0.00383	-0.35617	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	IATAN 345KV	1819	0.00383	-0.35617	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.35845	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01474	-0.36708	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	JL STALL 138KV	455	-0.00087	-0.35147	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.3603	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	KNOXLEE 138KV	160.7747	-0.00093	-0.35141	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	L&D 69KV	11	-0.00115	-0.35119	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIPU	LAKE ROAD 161KV	35	0.00267	-0.35501	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIPU	LAKE ROAD 34KV	92	0.00267	-0.35501	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	LARUSSELL 161KV	46.81621	-0.00097	-0.35137	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.35297	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	LEBROCK 345KV	365.0053	-0.00094	-0.3514	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	LIEBERMAN 138KV	73.99999	-0.00088	-0.35146	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	MARSHALL 161KV	15	0.00103	-0.35337	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	MCCLELLAIN 138KV	478	-0.0024	-0.34994	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACP	MONTROSE 161KV	363.8085	0.00111	-0.35345	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.3508	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	MUSKOGEE 345KV	1516	-0.00162	-0.35072	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	MUSTANG 138KV	365.5	-0.00245	-0.34989	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	MUSTANG 69KV	106	-0.00245	-0.34989	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	NARROWS 69KV	22	-0.00115	-0.35119	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACY	NEARMAN 161KV	77	0.00193	-0.35427	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACY	NEARMAN 20KV	220	0.00193	-0.35427	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	NORTHEASTERN STATION 138KV	500	-0.00176	-0.35058	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	NORTHEASTERN STATION 345KV	645	-0.00177	-0.35057	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	OEC 345KV	269.0003	-0.00173	-0.35061	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	ONE OAK 345KV	300	-0.0027	-0.34964	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	OZARK BEACH 161KV	16	-0.00077	-0.35157	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	PIRKEY GENERATION 138KV	480	-0.00094	-0.3514	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACY	QUINDARO 161KV	140.2385	0.00193	-0.35427	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	KACY	QUINDARO 69KV	140	0.00193	-0.35427	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	REDBUD 345KV	438.4026	-0.0024	-0.34994	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	RIVERSIDE STATION 138KV	482	-0.00179	-0.35055	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	RIVERTON 161KV	38	-0.00124	-0.3511	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	RIVERTON 69KV	40.33317	-0.00121	-0.35113	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	SEMINOLE 138KV	477.0613	-0.00219	-0.35015	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	SEMINOLE 345KV	196	-0.00224	-0.350	

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

WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	SOONER 138KV	505	-0.00328	-0.34906	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	SOONER 345KV	513	-0.00335	-0.34899	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	SOUTH 4TH ST 69KV	42.7	-0.00331	-0.34903	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.35346	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	SOUTHWESTERN STATION 138KV	172	-0.0018	-0.35054	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	EMDE	STATE LINE 161KV	503	-0.0012	-0.35114	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00167	-0.35067	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	TINKER 5G 138KV	62	-0.00236	-0.34998	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	TULSA POWER STATION 138KV	77	-0.00178	-0.35056	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	TURK 138KV	443	-0.00103	-0.35131	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	WACO 138KV	17.972	-0.00663	-0.34571	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	WELETKA 138KV	128	-0.00181	-0.35053	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	WELSH 345KV	1044	-0.00103	-0.35131	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	WILKES 138KV	193.923	-0.00097	-0.35137	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	AEPW	WILKES 345KV	253	-0.00095	-0.35139	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	OKGE	WOODWARD 24KV	9.3	-0.00242	-0.34992	2
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.32797	2
WERE	ABILENE ENERGY CENTER 115KV	5.999996	-0.35234	WERE	BPU - CITY OF MCPHERSON 115KV	115.5408	-0.09613	-0.25621	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	A. M. MULLERGEN GENERATOR 115KV	6.3	0.11228	-0.24281	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	AES 161KV	320	-0.00113	-0.2294	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	ARIES 161KV	176.2461	0.00122	-0.23175	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	ASBURY 161KV	191	-0.00119	-0.22934	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.23219	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CHANUTE 69KV	58.843	-0.00197	-0.22856	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	CHARRON RIVER 115KV	3.299129	0.00801	-0.23985	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF AUGUSTA 69KV	24	-0.00507	-0.22468	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF BURLINGTON 69KV	39.766	-0.00348	-0.22705	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF ERIE 69KV	23.579	-0.00197	-0.22856	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF FREDONIA 69KV	3.897	-0.00235	-0.22818	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF GIRARD 69KV	5.092	-0.00148	-0.22905	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	CITY OF HIGGINSVILLE 69KV	3.4	0.00122	-0.23175	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF IOLA 69KV	27.273	-0.00167	-0.22886	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF MULVANE 69KV	9.291	-0.00632	-0.22421	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF NEODESHA 69KV	4.5	-0.00227	-0.22826	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	CITY OF WINFIELD 69KV	37.87	-0.0052	-0.22533	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	CLIFTON 115KV	65	-0.00416	-0.22637	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00348	-0.22705	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COGENTRIX 345KV	200	-0.00179	-0.22874	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIDW	COLBY 115KV	6.37307	0.01231	-0.24284	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COMANCHE 138KV	160	-0.00176	-0.22877	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	COMANCHE 69KV	6.3	-0.00176	-0.22877	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	EASTMAN 138KV	355.0089	-0.00094	-0.22959	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	ELK RIVER 345KV	150	-0.00475	-0.22578	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	EMPORIA 345KV	610	0.00182	-0.23235	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	EVANS ENERGY CENTER 138KV	340	-0.00372	-0.22301	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	FITZ HUGH 161KV	113.98	-0.00104	-0.22949	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	FLINT CREEK 161KV	428	-0.00139	-0.22914	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	FPLWIND2 34KV	7.9968	-0.00243	-0.22821	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	GILL ENERGY CENTER 138KV	155	-0.00653	-0.224	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.26936	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00797	-0.2385	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	GREENWOOD 161KV	189.4481	0.00125	-0.23178	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	HAWTHORN 161KV	769	0.00183	-0.23236	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	HORSESHOE LAKE 138KV	851.5	-0.00238	-0.22815	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	HORSESHOE LAKE 69KV	16	-0.00233	-0.2282	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	IATAN 345KV	386	0.00383	-0.23436	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	IATAN 345KV	1819	0.00383	-0.23436	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.23664	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	JEFFREY ENERGY CENTER 345KV	90	0.01474	-0.24527	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	JL STALL 138KV	455	-0.00087	-0.22966	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.23849	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	KNOXLEE 138KV	160.7747	-0.00093	-0.2296	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	L&D13 69KV	11	-0.00115	-0.22938	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	LAKE ROAD 161KV	35	0.00267	-0.2332	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	LAY ROAD 34KV	92	0.00267	-0.2332	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	LARUSSEL 161KV	46.61621	-0.00097	-0.22965	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.23116	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	LEBROCK 345KV	365.0053	-0.00094	-0.22959	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	LIEBERMAN 138KV	73.99999	-0.00088	-0.22965	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	MARSHALL 161KV	15	0.00103	-0.23156	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MCCLAIN 138KV	478	-0.0024	-0.22813	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACP	MONTROSE 161KV	363.8005	0.00111	-0.23164	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.22899	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSKOGEE 345KV	1516	-0.00162	-0.22891	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSTANG 138KV	365.5	-0.00245	-0.22808	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	MUSTANG 69KV	106	-0.00245	-0.22808	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NARROWS 69KV	22	-0.00115	-0.22938	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	NEARMAN 161KV	77	0.00193	-0.23246	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	NEARMAN 20KV	220	0.00193	-0.23246	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NORTHEASTERN STATION 138KV	500	-0.00176	-0.22877	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	NORTHEASTERN STATION 345KV	645	-0.00177	-0.22876	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	OEC 345KV	269.0035	-0.00173	-0.2288	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	ONE OAK 345KV	300	-0.00227	-0.22783	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	OZARK BEACH 161KV	16	-0.00077	-0.22976	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	PIRKEY GENERATION 138KV	480	-0.00084	-0.22959	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	QUINDARO 161KV	140.2385	0.00193	-0.23246	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	KACY	QUINDARO 69KV	140	0.00193	-0.23246	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	REDBUD 345KV	438.4026	-0.0024	-0.22813	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	RIVERSIDE STATION 138KV	482	-0.00179	-0.22874	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	RIVERTON 161KV	38	-0.00124	-0.22929	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	RIVERTON 69KV	40.33317	-0.00121	-0.22932	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SEMINOLE 138KV	477.013	-0.00219	-0.22834	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SEMINOLE 345KV	996	-0.00224	-0.22829	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SIBLEY 161KV	229.0558	0.00159	-0.23212	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SIBLEY 69KV	45.99999	0.00165	-0.23218	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SMITH COGEN 138KV	120	-0.00244	-0.22809	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOONER 138KV	505	-0.00328	-0.22725	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOONER 345KV	513	-0.00335	-0.22718	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	SOUTH 4TH ST 69KV	42.7	-0.00331	-0.22722	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.23165	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	SOUTHWESTERN STATION 138KV	172	-0.0018	-0.22875	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	EMDE	STATE LINE 161KV	503	-0.0012	-0.22933	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00167	-0.22866	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	TINKER 5G 138KV	62	-0.00236	-0.22817	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	TULSA POWER STATION 138KV	77	-0.00178	-0.22875	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	TURK 138KV	443	-0.00103	-0.22995	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	WACO 138KV	17.972	-0.00663	-0.22339	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WELETKA 138KV	128	-0.00181	-0.22872	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WELSH 345KV	1044	-0.00103	-0.2295	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WILKES 138KV	193.923	-0.00097	-0.22956	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	AEPW	WILKES 345KV	253	-0.00095	-0.22958	3
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	OKGE	WOODWARD 24KV	9.3	-0.00242	-0.22811	3
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.19357	4
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.23053	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-		

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

EMDE	'ASBURY 161KV'	20	-0.00119	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09863	7
WEPL	'BLOIOT 115KV'	16.6	-0.0145	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09889	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.01228	-0.10841	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'ARIES 161KV'	176.2461	0.00122	-0.09735	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'BULL CREEK 161KV'	192.0293	0.00166	-0.09779	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'CHAMARRON RIVER 115KV'	3,299.129	0.00801	-0.10414	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'CITY OF HIGGINSVILLE 69KV'	34	0.01222	-0.09735	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIDW	'COLBY 115KV'	6,373.07	0.01231	-0.10844	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'EMPORIA 345KV'	610	0.00182	-0.09795	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	0.00797	-0.1041	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'GREENWOOD 161KV'	189.4481	0.00125	-0.09738	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'HAWTHORN 161KV'	769	0.00183	-0.09796	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'IATAN 345KV'	396	0.00383	-0.09996	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'IATAN 345KV'	1819	0.00383	-0.09996	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.00611	-0.10224	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.01474	-0.11087	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'JUDSON LARGE 115KV'	111.547	0.00796	-0.10409	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'LAKE ROAD 161KV'	35	0.00267	-0.0988	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'LAKE ROAD 34KV'	92	0.00267	-0.0988	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'LAWRENCE ENERGY CENTER 230KV'	222.873	0.00603	-0.09676	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'MARSHALL 161KV'	15	0.00103	-0.09716	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACF	'MONTROSE 161KV'	363.8085	0.00111	-0.09724	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACY	'NEARMAN 161KV'	77	0.00193	-0.09806	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACY	'NEARMAN 20KV'	220	0.00193	-0.09806	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACY	'QUINDARO 161KV'	140.2385	0.00183	-0.09806	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	KACY	'QUINDARO 69KV'	140	0.00193	-0.09806	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'SIBLEY 161KV'	229.0558	0.00159	-0.09772	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'SIBLEY 69KV'	45.9999	0.00165	-0.09778	7
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	MIPU	'SOUTH HARPER 161KV'	315	0.00112	-0.09725	7
WERE	'CHANUTE 69KV'	28.957	-0.00197	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09941	7
WERE	'CITY OF AUGUSTA 69KV'	4,234.998	-0.00587	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10331	7
WERE	'CITY OF BURLINGTON 69KV'	16.234	-0.00348	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10092	7
WERE	'CITY OF ERIE 69KV'	2,950.998	-0.00197	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09941	7
WERE	'CITY OF FREDONIA 69KV'	6,390.999	-0.00235	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09979	7
WERE	'CITY OF GIRARD 69KV'	5,008	-0.00148	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09892	7
WERE	'CITY OF IOLA 69KV'	12,428	-0.00167	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09811	7
WERE	'CITY OF MULVANE 69KV'	6,489.999	-0.00632	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10376	7
WERE	'CITY OF OSAGE CITY 115KV'	8.85	-0.00013	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09757	7
AEPW	'COGENTRIX 345KV'	694	-0.00179	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09923	7
OKGE	'CONTINENTAL EMPIRE 138KV'	32	-0.00328	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10072	7
AEPW	'EASTMAN 138KV'	130,001.11	-0.00094	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09838	7
WERE	'EVANS ENERGY CENTER 138KV'	467	-0.00752	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10496	7
AEPW	'FITZHUGH 161KV'	12,020.03	-0.00104	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09848	7
AEPW	'FULTON 115KV'	32,999.99	-0.00091	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09835	7
WERE	'GETTY 69KV'	35	-0.0057	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10314	7
WERE	'GILL ENERGY CENTER 138KV'	84,999.99	-0.00653	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10397	7
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00653	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10397	7
WEPL	'GREENLEAF 115KV'	8	-0.00316	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10006	7
WEPL	'HARPER 138KV'	17.21	-0.00385	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10129	7
AEPW	'KIOWA 345KV'	1347.994	-0.00185	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09929	7
AEPW	'KNOXLEE 138KV'	262.2253	-0.00093	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09837	7
AEPW	'L&D 13 69KV'	13	-0.00115	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09859	7
EMDE	'LARUSSEL 161KV'	249.3838	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	7
WERE	'LAWRENCE ENERGY CENTER 230KV'	46,127.04	0.00063	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09681	7
AEPW	'LEBROCK 345KV'	331.9947	-0.00094	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09838	7
AEPW	'LIEBERMAN 138KV'	154	-0.00088	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09832	7
AEPW	'LONESTAR POWER PLANT 69KV'	50	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	7
AEPW	'MATTISON 161KV'	510	-0.00141	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09885	7
OKGE	'MCCLAIN 138KV'	42	-0.0024	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09984	7
AEPW	'MID-CONTINENT 138KV'	142.0984	-0.00158	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09902	7
OKGE	'MUSKOGEE 161KV'	31	-0.00154	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09898	7
OKGE	'MUSKOGEE 345KV'	20	-0.00162	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09906	7
AEPW	'NARROWS 69KV'	3	-0.00115	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09859	7
MIPU	'NEVADA 69KV'	20.3	0.00054	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.0969	7
AEPW	'NORTH MARSHALL 69KV'	4	-0.00093	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09837	7
AEPW	'ONE OAK 345KV'	1878.028	-0.00173	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09817	7
OKGE	'ONE OAK 345KV'	36	-0.0027	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10014	7
WERE	'OXFORD 138KV'	3	-0.00541	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10285	7
KACF	'PAOLA COMBUSTION TURBINES 161KV'	77	0.00083	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09661	7
AEPW	'PIRKEY GENERATION 138KV'	35	-0.00094	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09838	7
OKGE	'RED ROCK 345KV'	1050	-0.00335	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10079	7
OKGE	'REDBUD 345KV'	761.5974	-0.0024	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09984	7
AEPW	'RIVER SIDE 138KV'	172	-0.00179	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09923	7
AEPW	'RIVERSIDE STATION 138KV'	240	-0.00179	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09923	7
EMDE	'RIVERTON 161KV'	284	-0.00124	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09868	7
EMDE	'RIVERTON 69KV'	27,668.83	-0.00121	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09825	7
OKGE	'SEMINOLE 138KV'	27,938.72	-0.00219	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09963	7
OKGE	'SOONER 138KV'	24,999.97	-0.00328	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.10072	7
WERE	'SOUTH SENECA 115KV'	16.7	0.00039	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09705	7
AEPW	'SOUTHWESTERN STATION 138KV'	587	-0.0018	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09924	7
WERE	'ST JOHN 115KV'	7.5	-0.00173	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09917	7
EMDE	'STATE LINE 161KV'	103	-0.0012	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09864	7
WERE	'TECUMSEH ENERGY CENTER 115KV'	52,999.99	-0.00167	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09911	7
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00211	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09955	7
AEPW	'TULSA POWER STATION 138KV'	217	-0.00178	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09822	7
AEPW	'TULSA POWER STATION 69KV'	80	-0.00178	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09822	7
AEPW	'TURK 138KV'	35	-0.00103	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09847	7
AEPW	'WEELETKA 138KV'	4,000.004	-0.00181	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09925	7
AEPW	'WILKES 138KV'	269.077	-0.00097	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09841	7
AEPW	'WILKES 345KV'	58	-0.00095	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09839	7
MIPU	'ARIES 161KV'	418.7539	0.00122	WERE	'SMOKEY HILLS 34KV'	152	0.09744	-0.09622	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	OKGE	'AES 161KV'	320	-0.00113	-0.095	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'ASBURY 161KV'	191	-0.00119	-0.09494	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CHANUTE 69KV'	58.843	-0.00197	-0.09416	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00587	-0.09326	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF BURLINGTON 69KV'	39.766	-0.00348	-0.09265	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF ERIE 69KV'	23.579	-0.00197	-0.09416	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF FREDONIA 69KV'	3.897	-0.00235	-0.09378	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF GIRARD 69KV'	5.092	-0.00148	-0.09465	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF IOLA 69KV'	27.273	-0.00167	-0.09446	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF MULVANE 69KV'	9.291	-0.00632	-0.08981	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF NEODESHA 69KV'	4.5	-0.00227	-0.09386	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'CITY OF WINFIELD 69KV'	37.87	-0.0052	-0.09093	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WEPL	'CLIFTON 115KV'	65	-0.00416	-0.09197	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'GRAY COUNTY NO. 2 SHARPE 69KV'	19.98	-0.00348	-0.09265	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEPW	'COGENTRIX 345KV'	200	-0.00179	-0.09434	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEPW	'COMANCHE 138KV'	160	-0.00176	-0.09437	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEPW	'COMANCHE 69KV'	63	-0.00176	-0.09437	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	AEPW	'EASTMAN 138KV'	355.0089	-0.00094	-0.09519	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	EMDE	'ELK RIVER 345KV'	150	-0.00475	-0.09138	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613	WERE	'EVANS ENERGY CENTER 138KV'	340	-0.00752	-0.08861	8
WERE	'BPU - CITY OF MCPHERSON 115KV'	58.45923	-0.09613						

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

WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	L&D13 69KV	11	-0.00115	-0.09498	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	EMDE	LARUSSEL 161KV	46.61121	-0.00097	-0.09516	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	LEBROCK 345KV	365.00053	-0.00094	-0.09519	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	LIEBERMAN 138KV	73.99999	-0.00088	-0.09525	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	MCCLAIN 138KV	478	-0.0024	-0.09373	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.09459	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	MUSKOGEE 345KV	1516	-0.00162	-0.09451	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	MUSTANG 138KV	365.5	-0.00245	-0.09368	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	MUSTANG 69KV	106	-0.00245	-0.09368	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	NARROWS 69KV	22	-0.00115	-0.09498	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	NORTHEASTERN STATION 138KV	500	-0.00176	-0.09437	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	NORTHEASTERN STATION 345KV	645	-0.00177	-0.09436	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	OEC 345KV	269.00035	-0.00173	-0.0944	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	ONE OAK 345KV	300	-0.0027	-0.09343	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	EMDE	OZARK BEACH 161KV	16	-0.00077	-0.09536	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	PIRKEY GENERATION 138KV	480	-0.00094	-0.09519	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	REDBUD 345KV	438.4026	-0.0024	-0.09373	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	RIVERSIDE STATION 138KV	482	-0.00179	-0.09434	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	EMDE	RIVERTON 161KV	38	-0.00124	-0.09489	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	EMDE	RIVERTON 69KV	40.3317	-0.00121	-0.09492	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SEMINOLE 138KV	477.0613	-0.00219	-0.09394	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SEMINOLE 345KV	996	-0.00224	-0.09389	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SMITH COGEN 138KV	120	-0.00244	-0.09369	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SOONER 138KV	505	-0.00328	-0.09285	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SOONER 345KV	513	-0.00335	-0.09278	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	SOUTH CITY 69KV	427	-0.00331	-0.09282	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	SOUTHWESTERN STATION 138KV	172	-0.0018	-0.09433	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	EMDE	STATE LINE 161KV	503	-0.0012	-0.09493	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	TECUMSEH ENERGY CENTER 115KV	108	-0.00167	-0.09446	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	TINKER 5G 138KV	62	-0.00236	-0.09377	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	TULSA POWER STATION 138KV	77	-0.00178	-0.09435	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	TURK 138KV	443	-0.00103	-0.0951	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	WACO 138KV	17.972	-0.00663	-0.0895	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	WEELETKA 138KV	128	-0.00181	-0.09432	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	WELSH 345KV	1044	-0.00103	-0.0951	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	WILKES 138KV	193.923	-0.00097	-0.09516	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	AEPW	WILKES 345KV	253	-0.00095	-0.09518	8
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	OKGE	WOODWARD 24KV	9.3	-0.00242	-0.09371	8
WERE	BROWN COUNTY 115KV	5.5	0.0011	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09634	8
KACP	BULL CREEK 161KV	180.9707	0.00166	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09578	8
WEPL	CIMARRON RIVER 115KV	43.70087	0.00801	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08943	8
MIDW	COLBY 115KV	6.62693	0.01231	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08513	8
WERE	EMPORIA 345KV	218	0.00182	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09562	8
KACP	GARDNER 161KV	11	0.00166	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09578	8
MIDW	GREAT BEND PLANT 69KV	10	0.01062	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08982	8
WEPL	GREENSBURG 115KV	6.2	0.00393	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09349	8
MIPU	GREENWOOD 161KV	58.35188	0.00125	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09619	8
WERE	HOLTON 115KV	19.8	0.00335	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09409	8
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00611	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09133	8
KACY	KAW 69KV	192	0.00192	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09552	8
MIPU	LAKE ROAD 161KV	91	0.00267	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09477	8
MIDW	LYONS 115KV	999	0.01111	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08633	8
KACP	MARSHALL 161KV	39.1	0.00103	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09641	8
KACP	MONTROSE 161KV	17.1915	0.00111	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09633	8
KACY	NEARMAN 161KV	3	0.00193	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09551	8
KACY	NEARMAN 20KV	14.99998	0.00193	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09551	8
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.01228	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08516	8
KACP	NORTHEAST 13KV	229	0.00189	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09555	8
KACP	NORTHEAST 161KV	229	0.00189	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09555	8
MIDW	PAWNEE 115KV	999	0.01111	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08633	8
KACY	QUINDARO 161KV	44.76152	0.00193	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09551	8
KACY	QUINDARO 69KV	32	0.00193	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09551	8
MIPU	RALPH GREEN 69KV	73.7	0.00118	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09626	8
MIDW	rice 115KV	999	0.01111	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08633	8
WEPL	RUSSELL 115KV	27.9	0.01042	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09702	8
MIPU	SIBLEY 161KV	20.94418	0.00159	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09585	8
WEPL	SMITH CENTER 115KV	6.15	0.00729	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09015	8
WEPL	SOUTH DODGE 115KV	4.2	0.00797	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08947	8
MIPU	TWA 161KV	32.1	0.00216	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.09528	8
MIDW	ATWOOD 115KV	4	0.01295	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08449	9
WERE	JEFFREY ENERGY CENTER 345KV	42	0.01474	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.0827	9
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.069	10
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.06894	10
WERE	BPU - CITY OF MCPHERSON 115KV	58.45923	-0.09613	WERE	HUTCHINSON ENERGY CENTER 115KV	205	-0.03017	-0.06896	11
WEPL	PLAINVILLE 115KV	5.79	0.00193	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.08585	8
MIDW	GOODMAN ENERGY CENTER 115KV	152	0.03883	WERE	SMOKEY HILLS 34KV	152	0.09744	-0.05861	11
WERE	CITY OF MULVANE 69KV	6.498999	-0.06832	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04519	16
WERE	EVANS ENERGY CENTER 138KV	467	-0.00752	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04635	16
WERE	GETTY 69KV	35	-0.0057	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04453	16
WERE	GILL ENERGY CENTER 138KV	84.99999	-0.00653	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04536	16
WERE	GILL ENERGY CENTER 69KV	118	-0.00653	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04536	16
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01474	-0.04491	16
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WERE	JEFFREY ENERGY CENTER 345KV	940	0.01474	-0.04485	16
WERE	CITY OF BURLINGTON 69KV	16.234	-0.00348	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04231	17
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00328	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04211	17
WEPL	GREENLEAF 115KV	8	-0.00316	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04199	17
WEPL	HARPER 138KV	17.21	-0.00385	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04268	17
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.01228	-0.04245	17
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIDW	COLBY 115KV	6.37307	0.01231	-0.04248	17
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.01228	-0.04239	17
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIDW	COLBY 115KV	6.37307	0.01231	-0.04242	17
OKGE	ONE OAK 345KV	36	-0.0027	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04153	17
OKGE	RED ROCK 345KV	1050	-0.00335	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04218	17
OKGE	SOONER 138KV	24.99997	-0.00328	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04211	17
AEPW	ARSENAL HILL 69KV	99	-0.00087	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0397	17
EMDE	ASBURY 161KV	20	-0.00119	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04002	18
WEPL	BELOIT 115KV	16.6	-0.00145	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04028	18
WERE	CHANUTE 69KV	28.957	-0.00197	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0408	18
WERE	CITY OF FREDONIA 69KV	6.396999	-0.00235	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04118	18
WERE	CITY OF IOLA 69KV	12.428	-0.00167	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0405	18
AEPW	COGENTRIX 345KV	694	-0.00179	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04062	18
AEPW	EASTMAN 138KV	130.0011	-0.00094	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03977	18
AEPW	FITZHUGH 161KV	12.02003	-0.00104	M					

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

AEPW	RIVER SIDE 138KV	172	-0.00179	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04062	18
AEPW	RIVERSIDE STATION 138KV	240	-0.00179	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04062	18
EMDE	RIVERTON 161KV	284	-0.00124	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04007	18
EMDE	RIVERTON 69KV	27.66683	-0.00121	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04004	18
OKGE	SEMINOLE 138KV	27.93872	-0.00219	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04102	18
AEPW	SOUTHWESTERN STATION 138KV	587	-0.0018	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04063	18
WERE	ST JOHN 115KV	7.5	-0.00173	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04056	18
EMDE	STATE LINE 161KV	103	-0.0012	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04003	18
WERE	TECUMSEH ENERGY CENTER 115KV	52.99999	-0.00167	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0405	18
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00211	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04094	18
AEPW	TULSA POWER STATION 138KV	217	-0.00178	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04061	18
AEPW	TULSA POWER STATION 69KV	80	-0.00178	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.04061	18
AEPW	TURK 138KV	35	-0.00103	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03986	18
AEPW	WILKES 138KV	269.077	-0.00097	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0398	18
AEPW	WILKES 345KV	58	-0.00095	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03978	18
MIPU	ARIES 161KV	418.7539	-0.00122	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03761	19
KACP	BULL CREEK 161KV	180.9707	0.00166	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03717	19
WERE	CITY OF OSAGE CITY 115KV	8.85	-0.00013	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03896	19
KACP	GARDNER 161KV	11	0.00166	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03717	19
MIPU	GREENWOOD 161KV	58.35188	0.00125	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03758	19
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00797	-0.03814	19
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.03813	19
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WEPL	GRAY COUNTY WIND FARM 115KV	60	0.00797	-0.03808	19
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WEPL	JUDSON LARGE 115KV	111.547	0.00796	-0.03807	19
WERE	LAWRENCE ENERGY CENTER 230KV	46.12704	0.00063	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0382	19
KACP	MARSHALL 161KV	39.1	0.00103	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03772	19
KACP	MONTROSE 161KV	17.1915	0.00111	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03772	19
MIPU	NEVADA 69KV	20.3	0.00054	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03829	19
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00083	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.038	19
MIPU	RALPH GREEN 69KV	73.7	0.00118	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03765	19
MIPU	SIBLEY 161KV	20.94418	0.00159	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03724	19
WERE	SOUTH SENECA 115KV	16.7	0.00039	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03844	19
WERE	EMPORIA 345KV	218	0.00182	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03701	20
WERE	HOLTON 115KV	19.8	0.00335	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03548	20
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.03828	20
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WERE	JEFFREY ENERGY CENTER 230KV	470	0.00611	-0.03822	20
KACY	KAW 69KV	192	0.00192	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03691	20
MIPU	LAKE ROAD 161KV	91	0.00267	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03616	20
KACY	NEARMAN 20KV	14.99998	0.00193	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0369	20
KACP	NORTHEAST 13KV	229	0.00189	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03694	20
KACP	NORTHEAST 161KV	229	0.00189	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03694	20
KACY	QUINDARO 161KV	44.76152	0.00193	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0369	20
KACY	QUINDARO 69KV	32	0.00193	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.0369	20
MIPU	TWA 161KV	32.1	0.00216	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03667	20
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	IATAN 345KV	396	0.00383	-0.034	21
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	IATAN 345KV	1819	0.00383	-0.034	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	IATAN 345KV	396	0.00383	-0.03394	21
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	IATAN 345KV	1819	0.00383	-0.03394	21
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	LAKE ROAD 161KV	35	0.00267	-0.03284	22
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	LAKE ROAD 34KV	92	0.00267	-0.03284	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	LAKE ROAD 161KV	35	0.00267	-0.03278	22
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	LAKE ROAD 34KV	92	0.00267	-0.03278	22
WERE	JEFFREY ENERGY CENTER 230KV	24	0.00611	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03272	22
WEPL	CHAMARRON RIVER 115KV	43.70087	0.00801	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.03883	-0.03082	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	ARIES 161KV	176.2461	0.00122	-0.03139	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.03183	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	CITY OF HIGGINSVILLE 69KV	34	0.00122	-0.03139	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	EMPORIA 345KV	610	0.00182	-0.03199	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	GREENWOOD 161KV	189.4481	0.00125	-0.03142	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	HAWTHORN 161KV	769	0.00183	-0.032	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.0308	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	MARSHALL 161KV	15	0.00103	-0.0312	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACP	MONTROSE 161KV	363.8085	0.00111	-0.03128	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	NEARMAN 161KV	77	0.00193	-0.0321	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	NEARMAN 20KV	220	0.00193	-0.0321	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	QUINDARO 161KV	140.2385	0.00193	-0.0321	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	KACY	QUINDARO 69KV	140	0.00193	-0.0321	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	SIBLEY 161KV	229.0558	0.00159	-0.03176	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	SIBLEY 69KV	45.99999	0.00165	-0.03182	23
WERE	HUTCHINSON ENERGY CENTER 115KV	291	-0.03017	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.03129	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	ARIES 161KV	176.2461	0.00122	-0.03133	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	BULL CREEK 161KV	192.0293	0.00166	-0.03177	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	CITY OF HIGGINSVILLE 69KV	34	0.00122	-0.03133	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WERE	EMPORIA 345KV	610	0.00182	-0.03193	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	GREENWOOD 161KV	189.4481	0.00125	-0.03136	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	HAWTHORN 161KV	769	0.00183	-0.03194	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	MARSHALL 161KV	15	0.00103	-0.03114	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACP	MONTROSE 161KV	363.8085	0.00111	-0.03122	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACY	NEARMAN 161KV	77	0.00193	-0.03204	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACY	NEARMAN 20KV	220	0.00193	-0.03204	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACY	QUINDARO 161KV	140.2385	0.00193	-0.03204	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	KACY	QUINDARO 69KV	140	0.00193	-0.03204	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	SIBLEY 161KV	229.0558	0.00159	-0.03177	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	SIBLEY 69KV	45.99999	0.00165	-0.03176	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	MIPU	SOUTH HARPER 161KV	315	0.00112	-0.03123	23
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.03011	WERE	LAWRENCE ENERGY CENTER 230KV	222.873	0.00063	-0.03074	24

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: NORTH AMERICAN PHILIPS JUNCTION (SOUTH) - WEST MCPHERSON 115KV CKT 1
 Direction: From->To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 57374574381568725687312411WP
 Date Redispatch Needed: Starting 2009 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2011 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)
	1162075	1.2		BPU - CITY OF MCPHERSON 115KV	259	-0.14614	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.19528	12
	1162678	0.6		BPU - CITY OF MCPHERSON 115KV	259	-0.14614	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.16988	14
	1162681	0.6		BPU - CITY OF MCPHERSON 115KV	259	-0.14614	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02388	-0.17052	14
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	WERE	EMPORIA 345KV	740	0.01115	-0.15729	15
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACP	IATAN 345KV	396	0.01006	-0.1562	15
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACP	IATAN 345KV	1818	0.01006	-0.1562	15
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	WERE	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.16006	15
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	MIDW	GOODMAN ENERGY CENTER 115KV	75	0.00192	-0.14806	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACP	HAWTHORN 161KV	455	0.00674	-0.15288	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	MIPU	LAKE ROAD 161KV	35	0.0073	-0.15344	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	MIPU	LAKE ROAD 34KV	92	0.0073	-0.15344	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACP	MARSHALL 161KV	15	0.00385	-0.14999	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACP	MONTROSE 161KV	286.3467	0.0052	-0.15134	16
				BPU - CITY OF MCPHERSON 115KV	259	-0.14614	KACY	NEARMAN 20KV	235	0.0074	-0.15354	16

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

WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	KACY	'QUINDARO 161KV'	42.02849	0.00737	-0.15351	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	KACY	'QUINDARO 69KV'	72	0.00734	-0.15348	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	MIPU	'SIBLEY 161KV'	229.11	0.00618	-0.15232	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	MIPU	'SIBLEY 69KV'	45.99999	0.00631	-0.15245	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	MIPU	'SOUTH HARPER 161KV'	268.3059	0.00626	-0.1524	16
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'AES 161KV'	310	-0.00273	-0.14341	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'ASBURY 161KV'	191	-0.00164	-0.1445	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'CHANUTE 69KV'	44.738	-0.0032	-0.14294	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'CITY OF BURLINGTON 69KV'	23.671	-0.00584	-0.1403	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'CITY OF IOLA 69KV'	16.378	-0.00241	-0.14373	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'COGENTRIX 345KV'	200	-0.00429	-0.14185	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'COMANCHE 138KV'	31.5	-0.00706	-0.13908	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'EASTMAN 138KV'	355	-0.00265	-0.14349	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'FITZHUGH 161KV'	102	-0.00247	-0.14367	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'FLINT CREEK 161KV'	410	-0.0029	-0.14324	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'FPLWIND2 34KV'	102	-0.00812	-0.13802	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'JL STALL 138KV'	550	-0.00243	-0.14371	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'L&D13 69KV'	11	-0.00273	-0.14341	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'LEBROCK 345KV'	365	-0.00264	-0.1435	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'MCLLAIN 138KV'	478	-0.00691	-0.13923	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'MUSKOGEE 345KV'	1516	-0.00395	-0.14219	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'NARROWS 69KV'	22	-0.00325	-0.14289	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'NORTHEASTERN STATION 138KV'	45	-0.00391	-0.14223	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'NORTHEASTERN STATION 345KV'	600	-0.00381	-0.14233	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'OEC 345KV'	289	-0.00404	-0.1421	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'OZARK BEACH 161KV'	440	-0.00264	-0.1435	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'PIRKEY GENERATION 138KV'	440	-0.00264	-0.1435	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'REDBUD 345KV'	350	-0.0066	-0.13954	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'RIVERTON 161KV'	38	-0.00197	-0.14417	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'RIVERTON 69KV'	45.25864	-0.00193	-0.14421	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SEMINOLE 138KV'	473.9903	-0.00636	-0.13978	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SEMINOLE 345KV'	610.5029	-0.00643	-0.13971	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SLEEPING BEAR 34KV'	120	-0.00808	-0.13806	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SMITH COGEN 138KV'	120	-0.00698	-0.13916	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SOONER 138KV'	505	-0.00825	-0.13789	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	OKGE	'SOONER 345KV'	513	-0.00854	-0.1378	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'SOUTHWESTERN STATION 138KV'	188	-0.00703	-0.13911	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'STATE LINE 161KV'	224.9126	-0.00188	-0.14426	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'TURK 138KV'	443	-0.00292	-0.14322	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'WEATHERFORD 34KV'	148	-0.00754	-0.1386	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	AEPW	'WELSH 345KV'	985	-0.00291	-0.14323	17
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'CITY OF AUGUSTA 69KV'	15	-0.01189	-0.13425	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'CITY OF WINFIELD 69KV'	14.485	-0.01147	-0.13467	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	EMDE	'ELK RIVER 345KV'	150	-0.00954	-0.1366	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'WACO 138KV'	17.96	-0.0152	-0.13102	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WERE	'EVANS ENERGY CENTER 138KV'	55	-0.01628	-0.12896	18
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WEPL	'GRAY COUNTY WIND FARM 115KV'	36	-0.01777	-0.12837	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WEPL	'JUDSON LARGE 115KV'	46.26404	-0.01778	-0.12836	19
WERE	'BPU - CITY OF MCPHERSON 115KV'	259	-0.14614	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	8.229999	-0.02602	-0.12012	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.12033	20
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.12026	20
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02384	-0.09503	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02384	-0.09557	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02384	-0.09496	25
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.02384	-0.09555	25
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'LAWRENCE ENERGY CENTER 230KV'	151.1005	0.01392	-0.08511	28
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	WERE	'LAWRENCE ENERGY CENTER 230KV'	151.1005	0.01392	-0.08504	28
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'EMPORIA 345KV'	740	0.01115	-0.08234	29
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	WERE	'EMPORIA 345KV'	740	0.01115	-0.08227	29
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACP	'IATAN 345KV'	396	0.01006	-0.08125	30
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACP	'IATAN 345KV'	1818	0.01006	-0.08125	30
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'IATAN 345KV'	396	0.01006	-0.08118	30
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'IATAN 345KV'	1818	0.01006	-0.08118	30
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACP	'HAWTHORN 161KV'	455	0.00674	-0.07793	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIPU	'LAKE ROAD 161KV'	35	0.0073	-0.07849	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIPU	'LAKE ROAD 34KV'	92	0.0073	-0.07849	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACY	'NEARMAN 20KV'	235	0.0074	-0.07859	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACY	'QUINDARO 161KV'	42.02849	0.00737	-0.07856	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACY	'QUINDARO 69KV'	72	0.00734	-0.07853	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIPU	'SIBLEY 161KV'	229.11	0.00618	-0.07737	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIPU	'SIBLEY 69KV'	45.99999	0.00631	-0.0775	31
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIPU	'SOUTH HARPER 161KV'	268.3059	0.00626	-0.07745	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'HAWTHORN 161KV'	455	0.00674	-0.07786	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIPU	'LAKE ROAD 161KV'	35	0.0073	-0.07842	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIPU	'LAKE ROAD 34KV'	92	0.0073	-0.07842	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'NEARMAN 20KV'	235	0.0074	-0.07852	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACY	'QUINDARO 161KV'	42.02849	0.00737	-0.07849	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACY	'QUINDARO 69KV'	72	0.00734	-0.07846	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIPU	'SIBLEY 161KV'	229.11	0.00618	-0.0773	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIPU	'SIBLEY 69KV'	45.99999	0.00631	-0.07743	31
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIPU	'SOUTH HARPER 161KV'	268.3059	0.00626	-0.07738	31
WERE	'A. M. MULLERGEN GENERATOR 115KV'	54.7702	-0.02602	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.07516	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACP	'MARSHALL 161KV'	15	0.00385	-0.07504	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	KACP	'MONTROSE 161KV'	286.3467	0.0052	-0.07639	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'MARSHALL 161KV'	15	0.00385	-0.07497	32
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	KACP	'MONTROSE 161KV'	286.3467	0.0052	-0.07632	32
WERE	'NORTH WEST GREAT BEND 115KV'	14.24	-0.02602	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.07516	32
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.00192	-0.07311	33
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	MIDW	'GOODMAN ENERGY CENTER 115KV'	75	0.00192	-0.07304	33
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	EMDE	'OZARK BEACH 161KV'	16	-0.00114	-0.07005	34
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	EMDE	'OZARK BEACH 161KV'	16	-0.00114	-0.06998	34
MIDW	'lyons 115kv'	999	-0.02153	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.07067	34
MIDW	'pawnee 115kv'	999	-0.02153	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.07067	34
MIDW	'rice 115kv'	999	-0.02153	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.07067	34
WEPL	'HARPER 138KV'	17.21	-0.01954	WERE	'SMOKEY HILLS 34KV'	152	0.04914	-0.06968	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	OKGE	'AES 161KV'	310	-0.00273	-0.06846	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	EMDE	'ASBURY 161KV'	191	-0.00164	-0.06955	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'CHANUTE 69KV'	44.738	-0.0032	-0.06799	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	WERE	'CITY OF IOLA 69KV'	16.378	-0.00241	-0.06878	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'EASTMAN 138KV'	355	-0.00265	-0.06854	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'FITZHUGH 161KV'	102	-0.00247	-0.06872	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'FLINT CREEK 161KV'	410	-0.0029	-0.06829	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'JL STALL 138KV'	550	-0.00243	-0.06876	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'LEBROCK 345KV'	365	-0.00264	-0.06855	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'NARROWS 69KV'	22	-0.00325	-0.06794	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'PIRKEY GENERATION 138KV'	440	-0.00264	-0.06855	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	EMDE	'RIVERTON 161KV'	38	-0.00197	-0.06922	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	EMDE	'RIVERTON 69KV'	45.25864	-0.00193	-0.06926	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	EMDE	'STATE LINE 161KV'	224.9126	-0.00188	-0.06931	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'TURK 138KV'	443	-0.00292	-0.06827	35
WERE	'HUTCHINSON ENERGY CENTER 115KV'	561	-0.07119	AEPW	'WELSH 345KV'	985	-0.00291	-0.06828	35
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	OKGE	'AES 161KV'	310	-0.00273	-0.06839	35
WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.07112	EMDE	'ASBURY 161KV'	191			

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

WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	LEBROCK 345KV	365	-0.00264	-0.06848	35	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	NARROWS 69KV	22	-0.00325	-0.06787	35	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	PIRKEY GENERATION 138KV	440	-0.00264	-0.06848	35	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	EMDE	RIVERTON 161KV	38	-0.00197	-0.06915	35	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	EMDE	RIVERTON 69KV	45	25864	-0.00193	-0.06915	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	EMDE	STATE LINE 161KV	224	9126	-0.00188	-0.06824	35
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	TURK 138KV	443	-0.00292	-0.06882	35	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	WELSH 345KV	985	-0.00291	-0.06821	35	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	COGENTRIX 345KV	200	-0.00429	-0.06699	36	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	MUSKOGEE 345KV	1516	-0.00395	-0.06724	36	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	NORTHEASTERN STATION 138KV	45	-0.00391	-0.06728	36	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	NORTHEASTERN STATION 345KV	600	-0.00381	-0.06738	36	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	OEC 345KV	269	-0.00404	-0.06715	36	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	COGENTRIX 345KV	200	-0.00429	-0.06683	36	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	MUSKOGEE 345KV	1516	-0.00395	-0.06717	36	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	NORTHEASTERN STATION 138KV	45	-0.00391	-0.06721	36	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	NORTHEASTERN STATION 345KV	600	-0.00381	-0.06731	36	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	OEC 345KV	269	-0.00404	-0.06708	36	
WEPL	JUDSON LARGE 115KV	66.73596	-0.07178	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06692	36	
WERE	EVANS ENERGY CENTER 138KV	892	-0.01628	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06542	37	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WERE	CITY OF BURLINGTON 69KV	23.671	-0.00584	-0.06535	37	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	MCCLAINE 138KV	478	-0.00691	-0.06428	37	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	REDBUD 345KV	350	-0.0066	-0.06459	37	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SEMINOLE 138KV	473	9903	-0.00636	-0.06483	37
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SEMINOLE 345KV	610	5029	-0.00643	-0.06476	37
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SMITH COGEN 138KV	120	-0.00626	-0.06421	37	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WERE	CITY OF BURLINGTON 69KV	23.671	-0.00584	-0.06528	37	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	MCCLAINE 138KV	478	-0.00691	-0.06421	37	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	REDBUD 345KV	350	-0.0066	-0.06452	37	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SEMINOLE 138KV	473	9903	-0.00636	-0.06476	37
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SEMINOLE 345KV	610	5029	-0.00643	-0.06469	37
WEPL	CIMARRON RIVER 115KV	72	-0.01429	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06343	38	
WERE	GILL ENERGY CENTER 138KV	285	-0.01498	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06412	38	
WERE	GILL ENERGY CENTER 69KV	118	-0.01472	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06386	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	COMANCHE 138KV	31.5	-0.00708	-0.06413	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	FPLWIND2 34KV	102	-0.00812	-0.06307	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SLEEPING BEAR 34KV	120	-0.00808	-0.06311	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SOONER 138KV	505	-0.00825	-0.06294	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	OKGE	SOONER 345KV	513	-0.00854	-0.06265	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	SOUTHWESTERN STATION 138KV	168	-0.00703	-0.06416	38	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	AEPW	WEATHERFORD 34KV	148	-0.00754	-0.06365	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	COMANCHE 138KV	31.5	-0.00706	-0.06406	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	FPLWIND2 34KV	102	-0.00812	-0.063	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SLEEPING BEAR 34KV	120	-0.00808	-0.06304	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SMITH COGEN 138KV	120	-0.00698	-0.06414	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SOONER 138KV	505	-0.00825	-0.06287	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	OKGE	SOONER 345KV	513	-0.00854	-0.06258	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	SOUTHWESTERN STATION 138KV	168	-0.00703	-0.06409	38	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	AEPW	WEATHERFORD 34KV	148	-0.00754	-0.06358	38	
WEPL	RUSSELL 115KV	27.9	-0.01478	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06392	38	
WERE	CITY OF AUGUSTA 69KV	22.59	-0.01189	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06103	39	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	EMDE	ELK RIVER 345KV	150	-0.00954	-0.06165	39	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	EMDE	ELK RIVER 345KV	150	-0.00954	-0.06158	39	
WERE	CITY OF WINFIELD 69KV	25.515	-0.01147	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.06061	40	
WERE	CITY OF WINFIELD 69KV	35	-0.01068	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.0602	40	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WERE	CITY OF WINFIELD 69KV	14.485	-0.01147	-0.05872	40	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WERE	CITY OF WINFIELD 69KV	14.485	-0.01147	-0.05865	40	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WERE	CITY OF AUGUSTA 69KV	15	-0.01189	-0.0593	41	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WERE	CITY OF AUGUSTA 69KV	15	-0.01189	-0.05923	41	
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00825	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05739	42	
OKGE	RED ROCK 345KV	1050	-0.00854	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05768	42	
OKGE	SOONER 138KV	24.99997	-0.00825	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05739	42	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00866	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.0578	42	
AEPW	COMANCHE 138KV	143.5	-0.00706	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05662	42	
AEPW	COMANCHE 69KV	78	-0.00702	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05616	43	
OKGE	HORSESHOE LAKE 138KV	851.5	-0.00671	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05585	43	
OKGE	HORSESHOE LAKE 69KV	16	-0.00657	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05571	43	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WERE	WACO 138KV	17.96	-0.01512	-0.05607	43	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WERE	WACO 138KV	17.96	-0.01512	-0.056	43	
OKGE	MCCLAINE 138KV	42	-0.00691	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05605	43	
OKGE	MUSTANG 138KV	365.5	-0.00702	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05616	43	
OKGE	MUSTANG 69KV	106	-0.00702	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05616	43	
OKGE	ONE OAK 345KV	336	-0.0074	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05654	43	
OKGE	REDBUD 345KV	850	-0.0066	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05574	43	
OKGE	SEMINOLE 138KV	31.00974	-0.00636	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05555	43	
OKGE	SEMINOLE 345KV	386.00971	-0.00643	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05557	43	
AEPW	SOUTHWESTERN STATION 138KV	591	-0.00703	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05617	43	
OKGE	TINKER 5G 138KV	62	-0.00674	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05588	43	
WERE	CITY OF BURLINGTON 69KV	32.329	-0.00584	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05498	44	
WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.03	-0.00584	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05498	44	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WERE	EVANS ENERGY CENTER 138KV	55	-0.01628	-0.05491	44	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WERE	EVANS ENERGY CENTER 138KV	55	-0.01628	-0.05484	44	
AEPW	KIOWA 345KV	1348	-0.00541	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05455	44	
AEPW	COGENTRIX 345KV	694	-0.00429	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05343	45	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01777	-0.05342	45	
WERE	HUTCHINSON ENERGY CENTER 115KV	561	-0.07119	WEPL	JUDSON LARGE 115KV	46	26404	-0.01778	-0.05341	45
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WEPL	GRAY COUNTY WIND FARM 115KV	36	-0.01777	-0.05335	45	
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.07112	WEPL	JUDSON LARGE 115KV	46	26404	-0.01778	-0.05334	45
OKGE	MUSKOGEE 345KV	20	-0.00395	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05309	45	
AEPW	NORTHEASTERN STATION 138KV	455	-0.00391	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05305	45	
AEPW	NORTHEASTERN STATION 345KV	44.99997	-0.00381	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05295	45	
AEPW	OEC 345KV	1878.03	-0.00404	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05318	45	
AEPW	RIVER SIDE 138KV	172	-0.00427	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05341	45	
AEPW	RIVERSIDE STATION 138KV	722	-0.00427	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05341	45	
AEPW	TULSA POWER STATION 138KV	294	-0.00423	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05337	45	
AEPW	TULSA POWER STATION 69KV	80	-0.00423	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05337	45	
AEPW	WEEETKA 138KV	162	-0.00482	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05396	45	
WERE	CHANUTE 69KV	43.062	-0.0032	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05234	46	
WERE	CITY OF ERIE 69KV	22.53	-0.0032	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05234	46	
AEPW	EASTMAN 138KV	130.01	-0.00265	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05179	46	
AEPW	FLINT CREEK 161KV	18	-0.0029	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05204	46	
AEPW	KNOXLEE 138KV	483	-0.00263	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05177	46	
AEPW	LEBROCK 345KV	332	-0.00264	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05178	46	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.00275	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05189	46	
AEPW	MATTISON 161KV	510	-0.003	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05174	46	
AEPW	MID-CONTINENT 138KV	142	-0.00345	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05259	46	
OKGE	MUSKOGEE 161KV	197	-0.00369	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05283	46	
AEPW	PIRKEY GENERATION 138KV	75	-0.00264	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05178	46	
AEPW	TURK 138KV	75	-0.00292	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05206	46	
AEPW	WELSH 345KV	59	-0.00291	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05205	46	
AEPW	WILKES 138KV	529.4075	-0.00272	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05186	46	
AEPW	WILKES 345KV	343.6978	-0.00269	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05183	46	
AEPW	ARSENAL HILL 69KV	110	-0.00244	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05158	47	
EMDE	ASSBURY 161KV	20	-0.00164	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05078	47	
WERE	CITY OF IOLA 69KV	23.322	-0.00241	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05		

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

EMDE	RIVERTON 69KV	22.74136	-0.00193	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05107	47
EMDE	STATE LINE 161KV	381.0874	-0.00188	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05102	47
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04986	48
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.0504	48
EMDE	LARUSSET 151KV	228	-0.0135	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.05249	48
MIDW	GOODMAN ENERGY CENTER 115KV	159.36	0.0192	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04722	51
MIDW	lyons 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.04591	52
MIDW	pawnee 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.04591	52
MIDW	rice 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.04591	52
MIDW	lyons 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04537	53
KACP	MARSHALL 161KV	39.1	0.00385	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04529	53
MIPU	NEVADA 69KV	20.3	0.00347	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04567	53
MIDW	pawnee 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04537	53
MIDW	rice 115kv	999	-0.02153	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04537	53
KACP	PAOLA COMBUSTION TURBINES 161KV	77	0.00497	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04417	54
KACP	CITY OF HIGGINSVILLE 69KV	38	0.00502	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04412	55
KACP	MONTROSE 161KV	94.65328	0.0052	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04394	55
MIPU	ARIES 161KV	595	0.00604	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.0431	56
MIPU	GREENWOOD 161KV	255.8	0.00605	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04309	56
MIPU	RALPH GREEN 69KV	73.7	0.0059	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04324	56
MIPU	SIBLEY 161KV	20.89001	0.00618	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04296	56
MIPU	SOUTH HARPER 161KV	46.69408	0.00626	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04288	56
KACP	BULL CREEK 161KV	373	0.00677	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04237	57
KACP	HAWTHORN 161KV	423	0.00674	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.0424	57
WEPL	JUDSON LARGE 115KV	66.73596	-0.01778	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.04216	57
KACP	NORTHEAST 13KV	229	0.00695	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04219	57
KACP	NORTHEAST 161KV	229	0.00695	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04219	57
WEPL	JUDSON LARGE 115KV	66.73596	-0.01778	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04162	58
KACP	KAW 69KV	192	0.00732	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04182	58
MIPU	LAKE ROAD 161KV	91	0.0073	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04184	58
KACY	NEARMAN 161KV	80	0.0074	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04174	58
KACY	QUINDARO 161KV	142.9715	0.00737	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04177	58
KACY	QUINDARO 69KV	100	0.00734	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04118	58
MIPU	TWA 161KV	32.1	0.00738	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.04176	58
WERE	EVANS ENERGY CENTER 138KV	892	-0.01628	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.04066	59
WERE	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACP	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.03944	60
WERE	EVANS ENERGY CENTER 138KV	892	-0.01628	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.04012	60
WERE	GILL ENERGY CENTER 138KV	285	-0.01498	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03936	61
WEPL	RUSSELL 115KV	27.9	-0.01478	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03916	61
WEPL	CIMARRON RIVER 115KV	72	-0.01429	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03867	62
WERE	GILL ENERGY CENTER 138KV	285	-0.01498	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03882	62
WERE	GILL ENERGY CENTER 69KV	118	-0.01472	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03856	62
WERE	GILL ENERGY CENTER 69KV	118	-0.01472	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.0391	62
KACP	IATAN 345KV	132	0.01006	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03908	62
WEPL	RUSSELL 115KV	27.9	-0.01478	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03862	62
WEPL	CIMARRON RIVER 115KV	72	-0.01429	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03813	63
WERE	EMPORIA 345KV	215.9999	0.01115	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03799	63
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	WERE	EMPORIA 345KV	740	0.01115	-0.03717	65
WERE	CITY OF AUGUSTA 69KV	22.59	-0.01189	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03627	66
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACP	IATAN 345KV	396	0.01006	-0.03608	67
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACP	IATAN 345KV	1818	0.01006	-0.03608	67
WERE	CITY OF AUGUSTA 69KV	22.59	-0.01189	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03573	67
WERE	CITY OF WINFIELD 69KV	25.515	-0.01147	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03585	67
WERE	CITY OF WINFIELD 69KV	25.515	-0.01147	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03531	68
WERE	GETTY 69KV	35	-0.01106	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03544	68
WERE	LAWRENCE ENERGY CENTER 230KV	117.8995	0.01392	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03522	68
MIDW	lyons 115kv	999	-0.02153	WERE	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.03545	68
MIDW	pawnee 115kv	999	-0.02153	WERE	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.03545	68
MIDW	rice 115kv	999	-0.02153	WERE	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.03545	68
WERE	GETTY 69KV	35	-0.01106	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.0349	69
WEPL	CLIFTON 115KV	70	0.01453	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03461	70
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	MIPU	LAKE ROAD 161KV	35	0.0073	-0.03332	72
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	MIPU	LAKE ROAD 34KV	92	0.0073	-0.03332	72
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACY	NEARMAN 20KV	235	0.0074	-0.03342	72
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACY	QUINDARO 161KV	42.02849	0.00737	-0.03336	72
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACY	QUINDARO 69KV	72	0.00734	-0.03336	72
WERE	TECUMSEH ENERGY CENTER 115KV	191	0.01576	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03338	72
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACP	HAWTHORN 161KV	455	0.00674	-0.03276	73
OKGE	RED ROCK 345KV	1050	-0.00854	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03292	73
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00866	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03304	73
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.01622	WERE	SMOKEY HILLS 34KV	152	0.04914	-0.03292	73
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	MIPU	SIBLEY 69KV	45.99999	0.00631	-0.03233	74
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00825	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03263	74
MIDW	lyons 115kv	999	-0.02153	WERE	EMPORIA 345KV	740	0.01115	-0.03268	74
MIDW	pawnee 115kv	999	-0.02153	WERE	EMPORIA 345KV	740	0.01115	-0.03268	74
OKGE	RED ROCK 345KV	1050	-0.00854	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03238	74
MIDW	rice 115kv	999	-0.02153	WERE	EMPORIA 345KV	740	0.01115	-0.03268	74
OKGE	SOONER 138KV	24.99997	-0.00825	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03263	74
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00866	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.0325	74
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	MIPU	SIBLEY 161KV	229.11	0.00618	-0.0322	75
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	MIPU	SOUTH HARPER 161KV	268.3059	0.00626	-0.03228	75
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00825	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03209	75
WEPL	JUDSON LARGE 115KV	66.73596	-0.01778	WERE	LAWRENCE ENERGY CENTER 230KV	151.1005	0.01392	-0.0317	76
MIDW	lyons 115kv	999	-0.02153	KACP	IATAN 345KV	396	0.01006	-0.03159	76
MIDW	lyons 115kv	999	-0.02153	KACP	IATAN 345KV	1818	0.01006	-0.03159	76
OKGE	ONE OAK 345KV	338	-0.0074	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03178	76
MIDW	pawnee 115kv	999	-0.02153	KACP	IATAN 345KV	396	0.01006	-0.03159	76
MIDW	pawnee 115kv	999	-0.02153	KACP	IATAN 345KV	1818	0.01006	-0.03159	76
MIDW	rice 115kv	999	-0.02153	KACP	IATAN 345KV	396	0.01006	-0.03159	76
MIDW	rice 115kv	999	-0.02153	KACP	IATAN 345KV	1818	0.01006	-0.03159	76
WEPL	A. M. MULLERGRN GENERATOR 115KV	54.7702	-0.02602	KACP	MONTROSE 161KV	286.3467	0.0052	-0.03122	77
AEPW	COMANCHE 138KV	143.5	-0.00706	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03144	77
AEPW	COMANCHE 69KV	78	-0.00702	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.0314	77
OKGE	HORSESHOE LAKE 138KV	851.5	-0.00671	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03109	77
OKGE	MCCLAIN 138KV	42	-0.00691	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03129	77
OKGE	MUSTANG 138KV	385.5	-0.00702	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.0314	77
OKGE	MUSTANG 69KV	106	-0.00702	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.0314	77
OKGE	ONE OAK 345KV	338	-0.0074	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03124	77
AEPW	SOUTHWESTERN STATION 138KV	591	-0.00703	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03141	77
OKGE	TINKER 5G 138KV	62	-0.00674	WERE	JEFFREY ENERGY CENTER 345KV	940	0.02438	-0.03112	77
AEPW	COMANCHE 138KV	143.5	-0.00706	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.0309	78
AEPW	COMANCHE 69KV	78	-0.00702	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02384	-0.03086	78
OKGE	MCCLAIN 138KV	42	-0.00691	WERE	JEFFREY ENERGY CENTER 230KV	470			

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

Upgrade: SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1 Displacement
 Limiting Facility: SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1
 Direction: From -> To
 Line Outage: SPP-AEPW-30
 Flowgate: 5345354551SPP-AEPW-301108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 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)
1158760		0.3										0.5
1158761		0.3										0.5
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		DOLETT HILLS 345KV	360	0.03666	-0.17667		3
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		ABILENE ENERGY CENTER 115KV	45	-0.00125	-0.13876		4
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		ACADIA 138KV	88.79679	-0.0025	-0.13751		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		AES 161KV	320	-0.00068	-0.13933		4
AEPW	ARSENAL HILL 69KV		99	-14001	WFEC		ANADARKO 138KV	285.9545	-0.00272	-0.13729		4
AEPW	ARSENAL HILL 69KV		99	-14001	EMDE		ASBURY 161KV	191	-0.00126	-0.13875		4
AEPW	ARSENAL HILL 69KV		99	-14001	LEPA		BAYOU RAMOS 138KV	29.82497	-0.00181	-0.1382		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		BEAVER 161KV	142.4147	-0.00113	-0.13888		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		BLACKHAWK 115KV	220	-0.00218	-0.13783		4
AEPW	ARSENAL HILL 69KV		99	-14001	GRDA		BOOMER 69KV	24	-0.0021	-0.13791		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF GIRARD 69KV	165	-0.00128	-0.13873		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		BROKEN BOW 138KV	93.6	-0.00614	-0.13837		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		BULL SHOALS 161KV	279.4	-0.00042	-0.13959		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		CAPROCK 115KV	79.98182	-0.00227	-0.13774		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		CARTHAGE 69KV	32	-0.00119	-0.13882		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CHANUTE 69KV	55.637	-0.00139	-0.13862		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF AUGUSTA 69KV	24	-0.00152	-0.13849		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF BURLINGTON 69KV	34.061	-0.00137	-0.13864		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF ERIE 69KV	23.374	-0.00139	-0.13862		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF FREDONIA 69KV	3.596	-0.00143	-0.13858		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF GIRARD 69KV	4.592	-0.00131	-0.13887		4
AEPW	ARSENAL HILL 69KV		99	-14001	LEPA		CITY OF HOUMA SUB 115KV	84	-0.00129	-0.13872		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF IOLA 69KV	24.471	-0.00135	-0.13866		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF MULVANE 69KV	8.29	-0.00154	-0.13847		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF NEODESHA 69KV	4.495	-0.00145	-0.13856		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		CITY OF WINFIELD 69KV	26.77	-0.00174	-0.13827		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		CLARENCE CANNON DAM 69KV	39.4	-0.00062	-0.13939		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.13864		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		COGENTRIX 345KV	765	-0.00183	-0.13818		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		COMANCHE 138KV	160	-0.00275	-0.13726		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		COMANCHE 69KV	63	-0.00275	-0.13726		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		CUNNINGHAM 115KV	170.9048	-0.00229	-0.13772		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		CUNNINGHAM 230KV	306	-0.00229	-0.13772		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		CZ 69KV	39	-0.00221	-0.1378		4
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		D.G. HUNTER POWER STATION 138KV	84.39839	-0.00286	-0.13715		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		DENISON 138KV	59.59999	-0.0035	-0.13651		4
AEPW	ARSENAL HILL 69KV		99	-14001	EMDE		ELK RIVER 345KV	46	-0.00145	-0.13856		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		ELK RIVER WIND 34KV	100	-0.00145	-0.13856		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		EUFAULA 138KV	51	-0.00152	-0.13849		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		EUFAULA 161KV	69.8	-0.00152	-0.13849		4
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		EVANGELINE 138KV	138.0374	-0.00271	-0.1373		4
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		EVANGELINE 230KV	168.5562	-0.00267	-0.13734		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		EVANS ENERGY CENTER 138KV	565	-0.00155	-0.13846		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		FITZHUGH 161KV	101	-0.00043	-0.13958		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		FLINT CREEK 161KV	428	-0.00141	-0.1386		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		FPLWIND2 34KV	102	-0.00241	-0.1376		4
AEPW	ARSENAL HILL 69KV		99	-14001	LEPA		FROGSTATION 69KV	3	-0.00236	-0.13765		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		GILL ENERGY CENTER 138KV	216	-0.00154	-0.13847		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		GILL ENERGY CENTER 69KV	75	-0.00155	-0.13846		4
AEPW	ARSENAL HILL 69KV		99	-14001	GRDA		GRDA1 161KV	190	-0.00154	-0.13847		4
AEPW	ARSENAL HILL 69KV		99	-14001	GRDA		GRDA1 345KV	220	-0.00154	-0.13847		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		GREERS FERRY 161KV	93.6	-0.00034	-0.14035		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		HARRINGTON 230KV	1066	-0.00217	-0.13784		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.13746		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		HORSESHOE LAKE 69KV	16	-0.00255	-0.13746		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		HUBRCO2 69KV	11	-0.00218	-0.13783		4
AEPW	ARSENAL HILL 69KV		99	-14001	WFEC		HUGO 138KV	450	-0.00528	-0.13473		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.13872		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.13872		4
AEPW	ARSENAL HILL 69KV		99	-14001	LEPA		IRION SUB 230KV	25	-0.00128	-0.13875		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		JEFFREY ENERGY CENTER 230KV	476.1204	-0.0012	-0.13881		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.13881		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		JONES 230KV	486	-0.00233	-0.13768		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		JONESBORO 161KV	43	-0.0002	-0.14021		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		KENNETT 69KV	7.5	-0.00009	-0.1401		4
AEPW	ARSENAL HILL 69KV		99	-14001	GRDA		KERR 115KV	13.5	-0.00152	-0.13849		4
AEPW	ARSENAL HILL 69KV		99	-14001	GRDA		KERR 161KV	13.5	-0.00153	-0.13848		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		KEYSTONE DAM 161KV	150.6	-0.00181	-0.1382		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		L&D13 69KV	11	-0.00072	-0.13929		4
AEPW	ARSENAL HILL 69KV		99	-14001	EMDE		LARUSSEL 161KV	116	-0.00115	-0.13886		4
AEPW	ARSENAL HILL 69KV		99	-14001	WERE		LAWRENCE ENERGY CENTER 230KV	231.3038	-0.00118	-0.13883		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		LP-BRND2 69KV	20	-0.00233	-0.13768		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		LP-MACK2 69KV	60	-0.00233	-0.13768		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		MADDOX 115KV	118	-0.00229	-0.13772		4
AEPW	ARSENAL HILL 69KV		99	-14001	SWPA		MALDEN 69KV	7	-0.00005	-0.14006		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		MATTISON 161KV	320	-0.00139	-0.13862		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		MCCLAINE 138KV	478	-0.00261	-0.1374		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		MOORE COUNTY 115KV	48	-0.00216	-0.13785		4
AEPW	ARSENAL HILL 69KV		99	-14001	WFEC		MORLAND 138KV	312.5645	-0.00241	-0.1376		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		MUSKOGEE 161KV	166	-0.00154	-0.13847		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		MUSKOGEE 345KV	1516	-0.00177	-0.13824		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		MUSTANG 115KV	300	-0.0023	-0.13771		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		MUSTANG 138KV	365.5	-0.00256	-0.13745		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		MUSTANG 230KV	360	-0.00229	-0.13772		4
AEPW	ARSENAL HILL 69KV		99	-14001	OKGE		MUSTANG 69KV	106	-0.00256	-0.13745		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		NARROWS 69KV	22	-0.00794	-0.13207		4
AEPW	ARSENAL HILL 69KV		99	-14001	CELE		NATCHITOCHEES 69KV	16.50468	-0.00283	-0.13718		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		NICHOLS 115KV	147	-0.00218	-0.13783		4
AEPW	ARSENAL HILL 69KV		99	-14001	SPS		NICHOLS 230KV	147	-0.00217	-0.13784		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		NORTHEASTERN STATION 138KV	500	-0.00168	-0.13835		4
AEPW	ARSENAL HILL 69KV		99	-14001	AEPW		NORTHEASTERN STATION 345KV	645	-0.00165	-0.13836		4
AEPW	ARSENAL HILL 69KV		99</									

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

AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	RIVERSIDE STATION 138KV	482	-0.00184	-0.13817	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	EMDE	RIVERTON 161KV	195.454	-0.00128	-0.13873	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.13874	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SWPA	ROBERT S. KERR 161KV	314.8	-0.0009	-0.13911	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	CELE	RODEMACHER 230KV	651	-0.00262	-0.13709	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	GRDA	SALINA 161KV	29.13254	-0.00153	-0.13848	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.13773	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SEMINOLE 138KV	480.0266	-0.00283	-0.13718	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SEMINOLE 345KV	996	-0.00284	-0.13717	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SPS	SIDRCH 69KV	20	-0.00218	-0.13783	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SWPA	SIKESTON 161KV	235	-0.00003	-0.13998	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	WFEC	SLEEPING BEAR 138KV	80	-0.0024	-0.13761	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SLEEPING BEAR 34KV	120	-0.00241	-0.1376	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SMITH COGEN 138KV	120	-0.00257	-0.13744	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SOONER 138KV	505	-0.00222	-0.13779	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	OKGE	SOONER 345KV	513	-0.00231	-0.1377	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	SOUTHWESTERN STATION 138KV	376	-0.00272	-0.13729	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	EMDE	STATE LINE 161KV	503	-0.00126	-0.13875	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.13781	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	CELE	TECHE 138KV	212.9806	-0.00216	-0.13785	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.13882	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SPS	TOLK 230KV	1024.036	-0.00228	-0.13773	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SWPA	TRUMAN 161KV	102	-0.00087	-0.13914	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.1382	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	WERE	WACO 138KV	17.987	-0.00154	-0.13847	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.1384	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	WEATHERFORD 34KV	148	-0.00255	-0.13748	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.13858	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	WELETKA 138KV	84	-0.00236	-0.13765	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	WELSH 345KV	1044	-0.00774	-0.13227	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	WILKES 138KV	199.2238	-0.01429	-0.12572	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	WILKES 345KV	297.2948	-0.00169	-0.1417	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	SPS	WILWIND 230KV	159.9636	-0.00217	-0.13784	4
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	DOLET HILLS 345KV	360	0.03666	-0.13121	4
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	LEBRUCK 345KV	315	-0.03252	-0.10748	5
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	PIRKEY GENERATION 138KV	480	-0.04595	-0.09408	5
AEPW	EASTMAN 138KV	330.01	-0.07379	CELE	DOLET HILLS 345KV	360	0.03666	-0.11045	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	ABILENE ENERGY CENTER 115KV	45	-0.00125	-0.0933	5
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	AES 161KV	320	-0.00068	-0.09387	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	ASBURY 161KV	191	-0.00126	-0.09329	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	BEAVER 161KV	142.4147	-0.00113	-0.09342	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	BPU - CITY OF MCPHERSON 115KV	165	-0.00128	-0.09327	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	BULL SHOALS 161KV	279.4	-0.00042	-0.09413	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	CARTHAGE 69KV	32	-0.00119	-0.09336	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CHANUTE 69KV	55.637	-0.00139	-0.09316	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF AUGUSTA 69KV	24	-0.00152	-0.09303	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00137	-0.09318	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF ERIE 69KV	23.374	-0.00139	-0.09316	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF FREDONIA 69KV	3.596	-0.00143	-0.09312	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF GIRARD 69KV	4.592	-0.00131	-0.09324	5
AEPW	KNOXLEE 138KV	259	-0.09455	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00129	-0.09326	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF IOLA 69KV	24.471	-0.00135	-0.0932	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF MULVANE 69KV	8.29	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF NEODESHA 69KV	4.495	-0.00145	-0.0931	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	CLARENCE CANNON DAM 69KV	39.8	-0.00362	-0.09318	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.09318	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	ELK RIVER 345KV	46	-0.00145	-0.0931	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.0931	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	EUFULA 138KV	51	-0.00152	-0.09303	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	EUFULA 161KV	69.8	-0.00152	-0.09303	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	EVANS ENERGY CENTER 138KV	565	-0.00155	-0.093	5
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	FITZHUGH 161KV	101	-0.00043	-0.09412	5
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	FLINT CREEK 161KV	428	-0.00141	-0.09314	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.093	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	GRDA1 161KV	190	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	GRDA1 345KV	220	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	GREERS FERRY 161KV	93.6	0.00034	-0.09489	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.09326	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.09326	5
AEPW	KNOXLEE 138KV	259	-0.09455	LEPA	IRION SUB 230KV	25	-0.00126	-0.09329	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	JEFFREY ENERGY CENTER 230KV	476.1294	-0.0012	-0.09335	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.09335	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	JONESBORO 161KV	43	0.0002	-0.09475	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	KENNETT 69KV	7.5	0.00009	-0.09484	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	KERR 115KV	13.5	-0.00152	-0.09303	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	KERR 161KV	13.5	-0.00153	-0.09302	5
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	L&D13 69KV	11	-0.00072	-0.09383	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	LARUSSEL 161KV	116	-0.00115	-0.0934	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	LAWRENCE ENERGY CENTER 230KV	231.3038	-0.00118	-0.09337	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	MALDEN 69KV	7	0.00005	-0.0946	5
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	MATTISON 161KV	320	-0.00139	-0.09316	5
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	OZARK 161KV	150.6	-0.00043	-0.09412	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	OZARK BEACH 161KV	16	-0.00083	-0.09372	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	PARAGOULD 69KV	5.5	0.00015	-0.0947	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	PENSACOLA 161KV	33	-0.00147	-0.09308	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	PENSACOLA 69KV	29.80457	-0.00146	-0.09309	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	RIVERTON 161KV	195.454	-0.00128	-0.09327	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.09328	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	ROBERT S. KERR 161KV	314.8	-0.0009	-0.09365	5
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	SALINA 161KV	29.13254	-0.00153	-0.09302	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	SIKESTON 161KV	235	-0.00003	-0.09452	5
AEPW	KNOXLEE 138KV	259	-0.09455	EMDE	STATE LINE 161KV	503	-0.00126	-0.09329	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.09336	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	TRUMAN 161KV	102	-0.00087	-0.09368	5
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	WACO 138KV	17.987	-0.00154	-0.09301	5
AEPW	KNOXLEE 138KV	259	-0.09455	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.09328	5
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.09312	5
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	WILKES 345KV	297.2948	-0.00169	-0.09624	5
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	DOLET HILLS 345KV	360	0.03666	-0.09382	5
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	DOLET HILLS 345KV	360	0.03666	-0.10591	5
AEPW	ARSENAL HILL 69KV	99	-1.4001	AEPW	LIEBERMAN 138KV	73.99999	-0.05716	-0.08285	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	ACADIA 138KV	88.79679	-0.0025	-0.09205	6
AEPW	KNOXLEE 138KV	259	-0.09455	WFEC	ANADARKO 138KV	285.9545	-0.00272	-0.09183	6
AEPW	KNOXLEE 138KV	259	-0.09455	LEPA	BAYOU RAMOS 138KV	29.82497	-0.00181	-0.09274	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	BLACKHAWK 115KV	220	-0.00218	-0.09237	6
AEPW	KNOXLEE 138KV	259	-0.09455	GRDA	BOOMER 69KV	24	-0.0021	-0.09245	6
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	BROKEN BOW 138KV	93.6	-0.00614	-0.08841	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	CAPROCK 115KV	79.98182	-0.00227	-0.09228	6
AEPW	KNOXLEE 138KV	259	-0.09455	WERE	CITY OF WINFIELD 69KV	26.77	-0.00174	-0.09281	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	COGENTRIX 345KV	765	-0.00183	-0.09272	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	COMANCHE 138KV	160	-0.00275	-0.0918	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	COMANCHE 69KV	63	-0.00276	-0.09179	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	CUNNINGHAM 115KV	170.9048	-0.00229	-0.09226	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.09226	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	CZ 69KV	39	-0.00221	-0.09234	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	D G. HUNTER POWER STATION 138KV	84.39839	-0.00286	-0.09169	6

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

AEPW	KNOXLEE 138KV	259	-0.09455	CELE	EVANGELINE 138KV	138.0374	-0.00271	-0.09184	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	EVANGELINE 230KV	168.5562	-0.00267	-0.09188	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	FPLWIND2 34KV	102	-0.00241	-0.09214	6
AEPW	KNOXLEE 138KV	259	-0.09455	LEPA	FROGSTATION 69KV	3	-0.00236	-0.09219	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	HARRINGTON 230KV	1066	-0.00217	-0.09238	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.092	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	HORSESHOE LAKE 69KV	16	-0.00255	-0.092	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	HUBRCO2 69KV	11	-0.00218	-0.09237	6
AEPW	KNOXLEE 138KV	259	-0.09455	WFEC	HUGO 138KV	450	-0.00528	-0.08927	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	JONES 230KV	486	-0.00233	-0.09222	6
AEPW	KNOXLEE 138KV	259	-0.09455	SWPA	KEYSTONE DAM 161KV	150.6	-0.00181	-0.09274	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	LP-BRND2 69KV	20	-0.00233	-0.09222	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	LP-MACK2 69KV	60	-0.00233	-0.09222	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	MADOX 115KV	118	-0.00229	-0.09226	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	MCCLAIN 138KV	478	-0.00261	-0.09194	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	MOORE COUNTY 115KV	48	-0.00216	-0.09238	6
AEPW	KNOXLEE 138KV	259	-0.09455	WFEC	MORLND 138KV	312.5645	-0.00241	-0.09214	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	MUSKOGEE 345KV	1516	-0.00177	-0.09278	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	MUSTANG 115KV	300	-0.0023	-0.09225	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	MUSTANG 138KV	365.5	-0.00256	-0.09199	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	MUSTANG 230KV	360	-0.00229	-0.09226	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	MUSTANG 69KV	106	-0.00256	-0.09199	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	NARROWS 69KV	25	-0.00794	-0.08661	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	NATCHITOCHEES 69KV	16.50468	-0.00283	-0.09172	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	NICHOLS 115KV	147	-0.00218	-0.09237	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	NICHOLS 230KV	147	-0.00217	-0.09238	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	NORTHEASTERN STATION 138KV	500	-0.00166	-0.09289	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	NORTHEASTERN STATION 345KV	645	-0.00165	-0.0929	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	OEC 345KV	306	-0.00175	-0.0928	6
AEPW	KNOXLEE 138KV	259	-0.09455	OMPA	OMPA-KAW 69KV	19.7	-0.00211	-0.09244	6
AEPW	KNOXLEE 138KV	259	-0.09455	OMPA	OMPA-PONCA CITY 69KV	78.11124	-0.00211	-0.09244	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	ONE OAK 345KV	136	-0.00248	-0.09207	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	PLANTX 115KV	205	-0.00227	-0.09228	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	PLANTX 230KV	189	-0.00227	-0.09228	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	REDRUD 345KV	100	-0.00246	-0.09209	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	RIVERSIDE 138KV	172	-0.00194	-0.0923	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	RIVERSIDE STATION 138KV	482	-0.00184	-0.09271	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	RODEMACHER 230KV	651	-0.00292	-0.09163	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.09227	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SEMINOLE 138KV	480.0266	-0.00283	-0.09172	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SEMINOLE 345KV	996	-0.00284	-0.09171	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	SIDRCH 69KV	20	-0.00218	-0.09237	6
AEPW	KNOXLEE 138KV	259	-0.09455	WFEC	SLEEPING BEAR 138KV	80	-0.00224	-0.09215	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SLEEPING BEAR 34KV	120	-0.00241	-0.09214	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SMITH COGEN 138KV	120	-0.00257	-0.09198	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SOONER 138KV	505	-0.00222	-0.09233	6
AEPW	KNOXLEE 138KV	259	-0.09455	OKGE	SOONER 345KV	513	-0.00231	-0.09224	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	SOUTHWESTERN STATION 138KV	376	-0.00272	-0.09183	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.09235	6
AEPW	KNOXLEE 138KV	259	-0.09455	CELE	TECHE 138KV	212.9806	-0.00216	-0.09239	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	TOLK 230KV	1024.036	-0.00228	-0.09227	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.09274	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	WEATHERFORD 34KV	148	-0.00255	-0.092	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	WEELETA 138KV	84	-0.00236	-0.09219	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	WELSH 345KV	104	-0.00274	-0.08681	6
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	WILKES 138KV	199.2238	-0.001428	-0.08283	6
AEPW	KNOXLEE 138KV	259	-0.09455	SPS	WILWIND 230KV	159.9636	-0.00217	-0.09238	6
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	DOLET HILLS 345KV	360	-0.03666	-0.08261	6
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	ABILENE ENERGY CENTER 115KV	45	-0.00125	-0.07254	7
AEPW	EASTMAN 138KV	330.01	-0.07379	CELE	ACADIA 138KV	88.79679	-0.0025	-0.07129	7
AEPW	EASTMAN 138KV	330.01	-0.07379	OKGE	AES 161KV	320	-0.00068	-0.07311	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WFEC	ANADARKO 138KV	285.9545	-0.00272	-0.07107	7
AEPW	EASTMAN 138KV	330.01	-0.07379	EMDE	ASBURY 161KV	191	-0.00126	-0.07253	7
AEPW	EASTMAN 138KV	330.01	-0.07379	LEPA	BAYOU RAMOS 138KV	29.82497	-0.00181	-0.07198	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	BEAVER 161KV	142.4147	-0.00113	-0.07266	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	BLACKHAWK 115KV	220	-0.00218	-0.07161	7
AEPW	EASTMAN 138KV	330.01	-0.07379	GRDA	BOOMER 69KV	24	-0.002	-0.07169	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	BPU - CITY OF MCPHERSON 115KV	165	-0.00128	-0.07251	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	BULL SHOALS 161KV	279.4	-0.00042	-0.07337	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	CAPROCK 115KV	79.98182	-0.00227	-0.07152	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	CARTHAGE 69KV	32	-0.00119	-0.0726	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CHANUTE 69KV	56.637	-0.00139	-0.0724	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF AUGUSTA 69KV	24	-0.00152	-0.07227	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00137	-0.07242	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF ERIE 69KV	23.374	-0.00139	-0.0724	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF FRECONIA 69KV	3.586	-0.00143	-0.07228	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF GIRARD 69KV	4.592	-0.00131	-0.07248	7
AEPW	EASTMAN 138KV	330.01	-0.07379	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00129	-0.0725	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF IOLA 69KV	24.471	-0.00135	-0.07244	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF MULVANE 69KV	8.29	-0.00154	-0.07225	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF NEODESHA 69KV	4.495	-0.00145	-0.07234	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	CITY OF WINFIELD 69KV	26.77	-0.00174	-0.07205	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00062	-0.07317	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.07242	7
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	COCENTRIX 345KV	765	-0.00163	-0.07196	7
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	COMANCHE 138KV	160	-0.00275	-0.07104	7
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	COMANCHE 69KV	63	-0.00276	-0.07103	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	CUNNINGHAM 115KV	170.9048	-0.00229	-0.0715	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.0715	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	CZ 69KV	39	-0.00221	-0.07158	7
AEPW	EASTMAN 138KV	330.01	-0.07379	CELE	D.G. HUNTER POWER STATION 138KV	84.39839	-0.00286	-0.07093	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	DENISON 138KV	59.99999	-0.0035	-0.07029	7
AEPW	EASTMAN 138KV	330.01	-0.07379	EMDE	ELK RIVER 345KV	46	-0.00145	-0.07234	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.07234	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	EUFAULA 138KV	51	-0.00152	-0.07227	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	EUFAULA 161KV	69.8	-0.00152	-0.07227	7
AEPW	EASTMAN 138KV	330.01	-0.07379	CELE	EVANGELINE 138KV	138.0374	-0.00271	-0.07108	7
AEPW	EASTMAN 138KV	330.01	-0.07379	CELE	EVANGELINE 230KV	168.5562	-0.00267	-0.07112	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	EVANS ENERGY CENTER 138KV	565	-0.00155	-0.07224	7
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	FITZHUGH 161KV	101	-0.00043	-0.07336	7
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	FLINT CREEK 161KV	428	-0.00141	-0.07238	7
AEPW	EASTMAN 138KV	330.01	-0.07379	OKGE	FPLWIND2 34KV	102	-0.00241	-0.07138	7
AEPW	EASTMAN 138KV	330.01	-0.07379	LEPA	FROGSTATION 69KV	3	-0.00236	-0.07143	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.07225	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.07224	7
AEPW	EASTMAN 138KV	330.01	-0.07379	GRDA	GRDA1 161KV	190	-0.00154	-0.07225	7
AEPW	EASTMAN 138KV	330.01	-0.07379	GRDA	GRDA1 345KV	220	-0.00154	-0.07225	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SWPA	GREERS FERRY 161KV	93.6	-0.00034	-0.07413	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	HARRINGTON 230KV	1066	-0.00217	-0.07162	7
AEPW	EASTMAN 138KV	330.01	-0.07379	OKGE	HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.07124	7
AEPW	EASTMAN 138KV	330.01	-0.07379	OKGE	HORSESHOE LAKE 69KV	16	-0.00255	-0.07124	7
AEPW	EASTMAN 138KV	330.01	-0.07379	SPS	HUBRCO2 69KV	11	-0.00218	-0.07161	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WFEC	HUGO 138KV	450	-0.00528	-0.06851	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.0725	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.0725	7
AEPW	EASTMAN 138KV	330.01	-0.07379	LEPA	IRION SUB 230KV	25	-0.00126	-0.07263	7
AEPW	EASTMAN 138KV	330.01	-0.07379	WERE	JEFFREY ENERGY CENTER 230KV	476.1294			

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

AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	JONESBORO 161KV'	43	0.0002	-0.07399	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	KENNETT 69KV'	7.5	0.0009	-0.07388	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	GRDA	KERR 115KV'	13.5	-0.00152	-0.07227	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	GRDA	KERR 161KV'	13.5	-0.00153	-0.07226	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	KRYSTONE DAM 161KV'	150.6	-0.00181	-0.07198	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	L&D13 69KV'	11	-0.00072	-0.07307	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	EMDE	LARUSSEL 161KV'	116	-0.00115	-0.07264	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	WERE	LAWRENCE ENERGY CENTER 230KV'	231.3038	-0.00118	-0.07261	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	LP-BRND2 69KV'	20	-0.00233	-0.07146	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	LP-MACK2 69KV'	60	-0.00233	-0.07146	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	MADDOX 115KV'	118	-0.00229	-0.0715	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	MALDEN 69KV'	7	0.00005	-0.07384	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	MATTISON 161KV'	320	-0.00139	-0.07274	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	MCCLAIN 138KV'	478	-0.00261	-0.07118	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	MOORE COUNTY 115KV'	48	-0.00216	-0.07163	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	WFEC	MORLND 138KV'	312.5645	-0.00241	-0.07138	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	MUSKOGEE 161KV'	166	-0.00154	-0.07225	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	MUSKOGEE 345KV'	1516	-0.00177	-0.07202	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	MUSTANG 115KV'	300	-0.0023	-0.07149	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	MUSTANG 138KV'	365.5	-0.00256	-0.07123	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	MUSTANG 230KV'	360	-0.00229	-0.0715	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	MUSTANG 69KV'	106	-0.00256	-0.07123	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	CELE	NATCHITOCHEES 69KV'	16.50468	-0.00283	-0.07096	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	NICHOLS 115KV'	147	-0.00218	-0.07161	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	NICHOLS 230KV'	147	-0.00217	-0.07162	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	NORTHEASTERN STATION 138KV'	500	-0.00166	-0.07226	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	NORTHEASTERN STATION 345KV'	645	-0.00165	-0.07214	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	OEC 345KV'	306	-0.00175	-0.07204	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OMPA	OMPA-KAW 69KV'	19.7	-0.00211	-0.07168	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OMPA	OMPA-PONCA CITY 69KV'	78.11124	-0.00211	-0.07168	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	ONE OAK 345KV'	136	-0.00248	-0.07131	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	OZARK 161KV'	150.6	-0.00043	-0.07336	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	EMDE	OZARK BEACH 161KV'	16	-0.00083	-0.07296	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	PARAGOULD 69KV'	5.5	0.00015	-0.07394	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	GRDA	PENSACOLA 161KV'	33	-0.00147	-0.07232	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	GRDA	PENSACOLA 69KV'	29.80457	-0.00146	-0.07233	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	PLANTX 115KV'	205	-0.00227	-0.07152	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	PLANTX 230KV'	189	-0.00227	-0.07152	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	REDBUD 345KV'	100	-0.00246	-0.07133	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	RIVER SIDE 138KV'	172	-0.00184	-0.07195	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	RIVERSIDE STATION 138KV'	482	-0.00184	-0.07195	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	EMDE	RIVERTON 161KV'	195.454	-0.00128	-0.07251	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	EMDE	RIVERTON 69KV'	47.94924	-0.00127	-0.07252	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	ROBERT S. KERR 161KV'	314.8	-0.0009	-0.07289	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	CELE	RODEMACHER 230KV'	651	-0.00282	-0.07087	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	GRDA	SALINA 161KV'	29.13254	-0.00153	-0.07226	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	SAN JUAN 230KV'	119.9727	-0.00228	-0.07151	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SEMINOLE 138KV'	480.0266	-0.00283	-0.07096	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SEMINOLE 345KV'	996	-0.00284	-0.07095	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	SIDRCH 69KV'	20	-0.00218	-0.07161	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	SIKESTON 161KV'	235	-0.00003	-0.07376	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	WFEC	SLEEPING BEAR 138KV'	80	-0.0024	-0.07139	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SLEEPING BEAR 34KV'	120	-0.00241	-0.07138	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SMITH COGEN 138KV'	100	-0.00257	-0.07122	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SOONER 138KV'	505	-0.00222	-0.07157	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	OKGE	SOONER 345KV'	513	-0.00231	-0.07148	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	SOUTHWESTERN STATION 138KV'	376	-0.00272	-0.07107	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	EMDE	STATE LINE 161KV'	503	-0.00126	-0.07253	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	STEER WATER 115KV'	79.98182	-0.0022	-0.07159	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	CELE	TECHE 138KV'	212.98006	-0.00216	-0.07163	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	WERE	TECUMSEH ENERGY CENTER 115KV'	158	-0.00119	-0.0726	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	TOLK 230KV'	1024.036	-0.00228	-0.07151	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	TRUMAN 161KV'	102	-0.00087	-0.07292	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	TULSA POWER STATION 138KV'	152	-0.00181	-0.07198	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	WERE	WACO 138KV'	17.987	-0.00154	-0.07225	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	LEPA	WATERLOO SUB 230KV'	6	-0.00127	-0.07252	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	WEATHERFORD 34KV'	148	-0.00255	-0.07124	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	WEBBERS FALLS 161KV'	39.2	-0.00143	-0.07236	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	WELETKA 138KV'	84	-0.00236	-0.07143	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	WILKES 345KV'	297.2948	0.00169	-0.07548	7
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SPS	WILWIND 230KV'	159.9636	-0.00217	-0.07162	7
AEWP	'LEBROCK 345KV'	382	-0.03252	CELE	DOLET HILLS 345KV'	360	0.03666	-0.06918	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	OKGE	AES 161KV'	320	-0.00068	-0.06857	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	BULL SHOALS 161KV'	279.4	-0.00042	-0.06883	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	CLARENCE CANNON DAM 69KV'	39.4	-0.00062	-0.06863	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	AEWP	FITZ-HUGH 161KV'	101	-0.00024	-0.06853	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	GREERS FERRY 161KV'	93.6	0.00034	-0.06959	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	JONESBORO 161KV'	43	0.0002	-0.06945	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	KENNETT 69KV'	7.5	0.0009	-0.06934	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	AEWP	L&D13 69KV'	11	-0.00072	-0.06853	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	MALDEN 69KV'	7	0.00005	-0.0693	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	OZARK 161KV'	150.6	-0.00043	-0.06882	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	EMDE	OZARK BEACH 161KV'	16	-0.00083	-0.06842	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	PARAGOULD 69KV'	5.5	0.00015	-0.06894	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	ROBERT S. KERR 161KV'	314.8	-0.0009	-0.06835	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	SIKESTON 161KV'	235	-0.00003	-0.06822	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	TRUMAN 161KV'	102	-0.00087	-0.06838	7
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	AEWP	WILKES 345KV'	297.2948	0.00169	-0.07094	7
AEWP	'ARSENAL HILL 69KV'	99	-0.14001	AEWP	'EASTMAN 138KV'	155	-0.07379	-0.06622	8
AEWP	'EASTMAN 138KV'	330.01	-0.07379	SWPA	BROKEN BOW 138KV'	93.6	-0.00614	-0.06765	8
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	NARROWS 69KV'	22	-0.00794	-0.06585	8
AEWP	'EASTMAN 138KV'	330.01	-0.07379	AEWP	WELSH 345KV'	1044	-0.00774	-0.06605	8
AEWP	'KNOXLEE 138KV'	259	-0.09455	AEWP	'LEBROCK 345KV'	315	-0.03252	-0.06203	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'ABILENE ENERGY CENTER 115KV'	45	-0.00125	-0.068	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	CELE	'ACADIA 138KV'	88.79679	-0.0025	-0.06875	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WFEC	'ANADARKO 138KV'	285.9545	-0.00272	-0.06853	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	EMDE	'ASBURY 161KV'	191	-0.00126	-0.06799	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	LEPA	'BAYOU RAMOS 138KV'	29.82497	-0.00181	-0.06744	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	'BEAVER 161KV'	142.4147	-0.00113	-0.06812	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SPS	'BLACKHAWK 115KV'	220	-0.00218	-0.06707	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	GRDA	'BOOMER 69KV'	24	-0.0021	-0.06715	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'BPU - CITY OF MCPHERSON 115KV'	165	-0.00128	-0.06797	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	'BROKEN BOW 138KV'	93.6	-0.00614	-0.06311	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SPS	'CAPROCK 115KV'	79.98182	-0.00227	-0.06698	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	SWPA	'CARHAGE 69KV'	32	-0.00119	-0.06906	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CHANUTE 69KV'	55.637	-0.00139	-0.06786	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00152	-0.06773	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00137	-0.06788	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF ERIE 69KV'	23.374	-0.00139	-0.06786	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF FREDONIA 69KV'	3.596	-0.00143	-0.06782	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF GIRARD 69KV'	4.592	-0.00131	-0.06794	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00129	-0.06796	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF IOLA 69KV'	24.471	-0.00135	-0.0679	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF MULVANE 69KV'	8.29	-0.00154	-0.06771	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF NEODESHA 69KV'	4.495	-0.00145	-0.0678	8
AEWP	'NORTH MARSHALL 69KV'	5	-0.06925	WERE	'CITY OF WINFIELD 69KV'	26.771	-0.00174	-0.06751	8
AEWP									

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

AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	COMANCHE 69KV	63	-0.00276	-0.06649	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	CUNNINGHAM 115KV	170.9048	-0.00229	-0.06696	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.06696	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	CZ 69KV	39	-0.00221	-0.06704	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	D 13 HUNTER POWER STATION 138KV	84.39839	-0.00286	-0.06539	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SWPA	DENISON 138KV	59.99999	-0.0035	-0.0673	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	EMDE	ELK RIVER 345KV	46	-0.00145	-0.0678	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.0678	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SWPA	EUFULA 138KV	51	-0.00152	-0.06773	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SWPA	EUFULA 161KV	69.8	-0.00152	-0.06773	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	EVANGELINE 138KV	138.0374	-0.00271	-0.06654	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	EVANGELINE 230KV	168.5562	-0.00267	-0.06658	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	EVANS ENERGY CENTER 138KV	565	-0.00155	-0.0677	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	FLINT CREEK 161KV	428	-0.00141	-0.06784	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	FRLWIND 34KV	102	-0.00241	-0.06584	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	LEPA	FROGSTATION 69KV	3	-0.00236	-0.06689	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.06771	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.0677	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	GRDA1 161KV	190	-0.00154	-0.06771	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	GRDA1 345KV	220	-0.00154	-0.06771	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	HARRINGTON 230KV	1066	-0.00217	-0.06708	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.0667	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	HORSESHOE LAKE 69KV	16	-0.00255	-0.0667	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	HUBRCO2 69KV	11	-0.00218	-0.06707	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WFEC	HUGO 138KV	450	-0.00328	-0.06397	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00118	-0.06748	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.06796	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	LEPA	IRION SUB 230KV	25	-0.00126	-0.06799	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	JEFFREY ENERGY CENTER 230KV	476.1294	-0.0012	-0.06805	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.06805	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	JONES 230KV	486	-0.00233	-0.06692	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	KERR 115KV	13.5	-0.00152	-0.06773	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	KERR 161KV	13.5	-0.00153	-0.06772	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SWPA	KEYSTONE DAM 161KV	150.6	-0.00181	-0.06744	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	EMDE	LARUSSEL 161KV	116	-0.00115	-0.0681	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	LAWRENCE ENERGY CENTER 230KV	231.3008	-0.00118	-0.0675	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	LP-BRND2 69KV	20	-0.00233	-0.06692	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	LP-MACK2 69KV	60	-0.00233	-0.06692	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	MADOX 115KV	118	-0.00229	-0.06696	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	MATTISON 161KV	320	-0.00139	-0.06786	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	MCCLAIN 138KV	478	-0.00261	-0.06664	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	MOORE COUNTY 115KV	48	-0.00216	-0.06709	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WFEC	MORLND 138KV	312.5645	-0.00241	-0.06684	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.06771	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	MUSKOGEE 345KV	1516	-0.00177	-0.06748	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	MUSTANG 115KV	300	-0.0023	-0.06696	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	MUSTANG 138KV	365.5	-0.00256	-0.06689	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	MUSTANG 230KV	360	-0.00229	-0.06696	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	MUSTANG 69KV	106	-0.00256	-0.06689	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	NARROWS 69KV	22	-0.00794	-0.06131	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	NATCHITOCHEE 69KV	16.50468	-0.00283	-0.06642	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	NICHOLS 115KV	147	-0.00218	-0.06707	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	NICHOLS 230KV	147	-0.00217	-0.06708	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	NORTHEASTERN STATION 138KV	500	-0.00166	-0.06759	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	NORTHEASTERN STATION 345KV	645	-0.00165	-0.0676	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	OEG 345KV	306	-0.00135	-0.06775	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OMPA	OMPAKAW 69KV	19.7	-0.00211	-0.06714	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OMPA	OMPA-PONCA CITY 69KV	78.11124	-0.00211	-0.06714	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	ONE OAK 345KV	136	-0.00248	-0.06677	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	PENSACOLA 161KV	33	-0.00147	-0.06778	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	PENSACOLA 69KV	29.80457	-0.00146	-0.06779	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	PLANTX 115KV	205	-0.00227	-0.06698	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	PLANTX 230KV	189	-0.00227	-0.06698	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	REDUBD 345KV	100	-0.00246	-0.06679	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	RIVERSIDE 138KV	172	-0.00184	-0.0674	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	RIVERSIDE STATION 138KV	482	-0.00184	-0.06741	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	EMDE	RIVERTON 161KV	195.544	-0.00128	-0.06797	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.06798	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	RODEMACHER 230KV	651	-0.00292	-0.06633	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	GRDA	SALINA 161KV	29.13254	-0.00153	-0.06772	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.06697	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SEMINOLE 138KV	480.0266	-0.00283	-0.06642	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SEMINOLE 345KV	996	-0.00284	-0.06641	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	SIDRCH 69KV	20	-0.00218	-0.06707	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WFEC	SLEEPING BEAR 138KV	80	-0.0024	-0.06685	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SLEEPING BEAR 34KV	120	-0.00241	-0.06684	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SMITH COGEN 138KV	120	-0.00257	-0.06688	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SOONER 138KV	505	-0.00222	-0.06703	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	OKGE	SOONER 345KV	513	-0.00231	-0.06694	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	SOUTHWESTERN STATION 138KV	376	-0.00272	-0.06653	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	EMDE	STATE LINE 161KV	503	-0.00126	-0.06799	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.06705	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	CELE	TECHE 138KV	212.98006	-0.00216	-0.06709	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.06806	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	TOLK 230KV	1024.036	-0.00228	-0.06697	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.06744	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	WERE	WACO 138KV	17.987	-0.00154	-0.06771	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.06798	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	WEATHERFORD 34KV	148	-0.00255	-0.0667	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.06782	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	WELEETKA 138KV	84	-0.00236	-0.06689	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	AEPW	WELSH 345KV	1044	-0.00274	-0.06151	8
AEPW	NORTH MARSHALL 69KV	5	-0.06925	SPS	WILWIND 230KV	159.9636	-0.00217	-0.06708	8
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPW	WILKES 138KV	199.2238	-0.01429	-0.0595	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	ABILENE ENERGY CENTER 115KV	45	-0.00125	-0.05591	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	ACADIA 138KV	88.79679	-0.0025	-0.05468	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	AES 161KV	320	-0.00068	-0.05448	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WFEC	ANADARKO 138KV	285.9545	-0.00272	-0.05444	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	ASBURY 161KV	191	-0.00126	-0.0559	9
AEPW	LIEBERMAN 138KV	154	-0.05716	LEPA	BAYOU RAMOS 138KV	29.82497	-0.00181	-0.05535	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	BEAVER 161KV	142.4147	-0.00113	-0.05603	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	BLACKHAWK 115KV	220	-0.00218	-0.05498	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	BOOMER 69KV	24	-0.00221	-0.05506	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	BPU - CITY OF MCPHERSON 115KV	165	-0.00128	-0.05588	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	BULL SHOALS 161KV	279.4	-0.00342	-0.05674	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	CAIROCK 115KV	79.98182	-0.00227	-0.05469	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	CARTHAGE 69KV	32	-0.00119	-0.05597	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CHANUTE 69KV	55.637	-0.00139	-0.05577	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF AUGUSTA 69KV	24	-0.00152	-0.05564	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00137	-0.05579	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF ERIE 69KV	23.374	-0.00139	-0.05577	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF FREDONIA 69KV	3.596	-0.00143	-0.05573	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF GIRARD 69KV	4.592	-0.00131	-0.05585	9
AEPW	LIEBERMAN 138KV	154	-0.05716	LEPA	CITY OF HOMA SUB 115KV	84	-0.00129	-0.05587	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF IOLA 69KV	24.471	-0.00135	-0.05581	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF MULVANE 69KV	8.29	-0.00154	-0.0556	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF NEODESHA 69KV	4.495	-0.00145	-0.05571	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	CITY OF WINFIELD 69KV	26.77	-0.00174	-0.05542	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00062	-0.05654	9

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

AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.05579	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	COGENTRIX 345KV	765	-0.00183	-0.05533	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	COMANCHE 138KV	160	-0.00275	-0.05441	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	COMANCHE 69KV	63	-0.00276	-0.05444	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	CUNNINGHAM 115KV	170.9048	-0.00229	-0.05487	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.05487	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	CZ 69KV	39	-0.00221	-0.05495	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	D G HUNTER POWER STATION 138KV	84.98939	-0.00286	-0.0543	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	ELK RIVER 345KV	46	-0.00145	-0.05571	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.05571	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	EUFULA 138KV	51	-0.00152	-0.05564	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	EUFULA 161KV	69.8	-0.00152	-0.05564	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	EVANGELINE 138KV	138.0374	-0.00271	-0.05445	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	EVANGELINE 230KV	168.5562	-0.00267	-0.05449	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	EVANS ENERGY CENTER 138KV	555	-0.00155	-0.05561	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	FITZHUGH 161KV	101	-0.00043	-0.05573	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	FLINT CREEK 161KV	428	-0.00141	-0.05575	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	FPLWIND2 34KV	102	-0.00241	-0.05475	9
AEPW	LIEBERMAN 138KV	154	-0.05716	LEPA	FROGSTATION 69KV	3	-0.00236	-0.0548	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.05562	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.05561	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	GRDA1 161KV	190	-0.00154	-0.05562	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	GRDA1 345KV	220	-0.00154	-0.05562	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	GREERS FERRY 161KV	93.6	0.00034	-0.05575	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	HARRINGTON 230KV	1086	-0.00217	-0.05499	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.05461	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	HORSESHOE LAKE 69KV	16	-0.00255	-0.05461	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	HUBRCO2 69KV	11	-0.00218	-0.05498	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.05587	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.05587	9
AEPW	LIEBERMAN 138KV	154	-0.05716	LEPA	IRION SUB 230KV	25	-0.00126	-0.0559	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	JEFFREY ENERGY CENTER 230KV	476.1294	-0.0012	-0.05596	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.05596	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	JONES 230KV	486	-0.00233	-0.05483	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	JONESBORO 161KV	43	0.0002	-0.05736	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	KENNETT 69KV	7	0.00009	-0.05728	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	KERR 115KV	13.5	-0.00152	-0.05564	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	KERR 161KV	13.5	-0.00153	-0.05563	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	KEYSTONE DAM 161KV	150.6	-0.00181	-0.05535	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	L&D13 69KV	11	-0.00072	-0.05644	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	LARUSSELL 161KV	116	-0.00115	-0.05601	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	LAWRENCE ENERGY CENTER 230KV	231.3038	-0.00118	-0.05598	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	LP-BRND2 69KV	20	-0.00233	-0.05483	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	LP-MACK2 69KV	60	-0.00233	-0.05483	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	MADDOX 115KV	118	-0.00229	-0.05487	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	MALDEN 69KV	7	0.00005	-0.05721	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	MATTISON 161KV	320	-0.00139	-0.05577	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	MCCLAIN 138KV	478	-0.00261	-0.05455	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	MOORE COUNTY 115KV	48	-0.00216	-0.055	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WFEC	MORLND 138KV	312.5645	-0.00241	-0.05475	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.05562	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	MUSKOGEE 345KV	1516	-0.00177	-0.05539	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	MUSTANG 115KV	300	-0.00223	-0.05486	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	MUSTANG 138KV	365.5	-0.00226	-0.0548	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	MUSTANG 230KV	350	-0.00229	-0.05487	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	MUSTANG 69KV	106	-0.00226	-0.0548	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	NATCHITOCHE 69KV	16.50488	-0.00283	-0.05433	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	NICHOLS 115KV	147	-0.00218	-0.05498	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	NICHOLS 230KV	147	-0.00217	-0.05499	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	NORTHEASTERN STATION 138KV	500	-0.00166	-0.05555	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	NORTHEASTERN STATION 345KV	645	-0.00165	-0.05551	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	OEC 345KV	306	-0.00175	-0.05541	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OMPA	OMPA-KAW 69KV	19.7	-0.00211	-0.05505	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OMPA	OMPA-PONCA CITY 69KV	78.11124	-0.00211	-0.05505	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	ONE OAK 345KV	136	-0.00248	-0.05468	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	OZARK 161KV	150.6	-0.00043	-0.05573	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	OZARK BEACH 161KV	16	-0.00083	-0.05633	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	PARAGOULD 69KV	5.5	0.00015	-0.05731	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	PENSACOLA 161KV	33	-0.00147	-0.05569	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	PENSACOLA 69KV	29.80457	-0.00146	-0.0557	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	PLANTX 115KV	205	-0.00227	-0.05489	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	PLANTX 230KV	189	-0.00227	-0.05489	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	REDBUD 345KV	100	-0.00246	-0.0547	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	RIVER SIDE 138KV	172	-0.00184	-0.05532	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	RIVERVIEW STATION 138KV	482	-0.00184	-0.05532	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	RIVERTON 161KV	195.454	-0.00128	-0.0558	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.05589	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	ROBERT S. KERR 161KV	314.8	-0.0009	-0.05626	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	RODEMACHER 230KV	651	-0.00292	-0.05424	9
AEPW	LIEBERMAN 138KV	154	-0.05716	GRDA	SALINA 161KV	29.13254	-0.00153	-0.05563	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.05488	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SEMINOLE 138KV	480.0266	-0.00283	-0.05433	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SEMINOLE 345KV	996	-0.00284	-0.05432	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	SIDRCH 69KV	20	-0.00218	-0.05498	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	SIKESTON 161KV	235	-0.00003	-0.05713	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WFEC	SLEEPING BEAR 138KV	80	-0.0024	-0.05476	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SLEEPING BEAR 34KV	120	-0.00241	-0.05475	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SMITH COGEN 138KV	120	-0.00257	-0.05459	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SOONER 138KV	505	-0.00222	-0.05494	9
AEPW	LIEBERMAN 138KV	154	-0.05716	OKGE	SOONER 345KV	513	-0.00231	-0.05485	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	SOUTHWESTERN STATION 138KV	376	-0.00272	-0.05444	9
AEPW	LIEBERMAN 138KV	154	-0.05716	EMDE	STATE LINE 161KV	503	-0.00126	-0.0559	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.05496	9
AEPW	LIEBERMAN 138KV	154	-0.05716	CELE	TECHE 138KV	212.9806	-0.00216	-0.055	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.05597	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	TOLK 230KV	1024.036	-0.00229	-0.05488	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	TRUMAN 161KV	102	-0.00087	-0.05629	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.05535	9
AEPW	LIEBERMAN 138KV	154	-0.05716	WERE	WACO 138KV	17.967	-0.00154	-0.05562	9
AEPW	LIEBERMAN 138KV	154	-0.05716	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.05589	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	WEATHERFORD 34KV	148	-0.00255	-0.05461	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.05573	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	WELEETKA 138KV	84	-0.00236	-0.0548	9
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	WILKES 345KV	297.2948	0.00169	-0.05885	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SPS	WILWINE 230KV	159.9636	-0.00217	-0.05498	9
AEPW	LONESTAR POWER PLANT 69KV	50	-0.02014	CELE	DOLET HILLS 345KV	360	0.03666	-0.0528	9
AEPW	NORTH MARSHALL 69KV	5	-0.08925	AEPW	WILKES 138KV	199.2238	-0.01429	-0.05496	9
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	BROKEN BOW 138KV	93.6	-0.00614	-0.05102	10
AEPW	LIEBERMAN 138KV	154	-0.05716	SWPA	DENISON 138KV	59.59999	-0.0035	-0.05366	10
AEPW	LIEBERMAN 138KV	154	-0.05716	WFEC	HUGO 138KV	450	-0.00528	-0.05188	10
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	NARROWS 69KV	22	-0.00794	-0.04922	10
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPW	WELSH 345KV	1044	-0.00774	-0.04942	10
AEPW	WILKES 138KV	263.7762	-0.01429	CELE	DOLET HILLS 345KV	360	0.03666	-0.05095	10
AEPW	ARSENAL HILL 69KV	99	-0.14001	AEPW	KNOXLEE 138KV	164	-0.09455	-0.04546	11
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	PIRKEY GENERATION 138KV	490	-0.04595	-0.0468	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	ABILENE ENERGY CENTER 115KV	45	-0.0125	-0.0447	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	AES 161KV	320	-0.00068	-0.04527	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	ASBURY 161KV	191	-0.00126	-0.04469	11

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

AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	BPU - CITY OF MCPHERSON 115KV	165	-0.00128	-0.04467	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	BULL SHOALS 161KV	279.4	-0.00042	-0.04553	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	CARTHAGE 69KV	32	-0.00119	-0.04476	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CHANUTE 69KV	55.637	-0.00139	-0.04456	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF BURLINGTON 69KV	34.081	-0.00137	-0.04458	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF ERIE 69KV	23.774	-0.00139	-0.04456	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF GIRARD 69KV	4.592	-0.00131	-0.04464	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00129	-0.04466	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF IOLA 69KV	24.471	-0.00135	-0.0446	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF NEEDESHA 69KV	4.495	-0.00145	-0.0445	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00062	-0.04533	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.04458	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	ELK RIVER 345KV	46	-0.00145	-0.0445	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.0445	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	FITZHUGH 161KV	101	-0.00043	-0.04552	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	FLINT CREEK 161KV	428	-0.00141	-0.04454	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	GREERS FERRY 161KV	93.6	0.00034	-0.04629	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.04466	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.04466	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	LEPA	IRION SUB 230KV	25	-0.00126	-0.04469	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	JEFFREY ENERGY CENTER 230KV	476.1294	-0.0012	-0.04475	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.04475	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	JONESBORO 161KV	43	0.0002	-0.04615	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	KENNETT 69KV	7.5	0.00009	-0.04604	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	L&D13 69KV	11	-0.00072	-0.04523	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	LARUSSEL 161KV	116	-0.00115	-0.04448	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	LAWRENCE ENERGY CENTER 230KV	231.3038	-0.00118	-0.04477	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	MALDEN 69KV	7	0.00005	-0.046	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	MATTISON 161KV	320	-0.00139	-0.04456	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	OZARK 161KV	150.6	-0.00043	-0.04552	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	OZARK BEACH 161KV	16	-0.00083	-0.04512	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	PARAGOULD 69KV	5.5	0.00015	-0.0461	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	PENSACOLA 161KV	33	-0.00147	-0.04448	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	PENSACOLA 69KV	29.80457	-0.00146	-0.04449	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	PIVERTON 161KV	195.454	-0.00128	-0.04467	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.04458	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	ROBERT S. KERR 161KV	314.8	-0.0009	-0.04505	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	SIKESTON 161KV	235	-0.00003	-0.04592	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	EMDE	STATE LINE 161KV	503	-0.00126	-0.04469	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.04476	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	TRUMAN 161KV	102	-0.00087	-0.04508	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.04468	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.04452	11
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	WILKES 345KV	297.2948	-0.00169	-0.04764	11
AEPW	TURK 138KV	698	-0.00834	CELE	DOLET HILLS 345KV	360	0.03668	-0.045	11
SWPA	BROKEN BOW 138KV	16.4	-0.00614	CELE	DOLET HILLS 345KV	360	0.03666	-0.0428	12
AEPW	EASTMAN 138KV	330.01	-0.07379	AEPPW	LEBROCK 345KV	315	-0.03252	-0.04127	12
AEPW	FULTON 115KV	32.99999	-0.0062	CELE	DOLET HILLS 345KV	360	0.03666	-0.04286	12
AEPW	LIEBERMAN 138KV	154	-0.05716	AEPPW	WILKES 138KV	199.2238	-0.01429	-0.04287	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	ACADIA 138KV	88.79679	-0.0025	-0.04345	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WFEC	ANADARKO 138KV	285.9545	-0.00272	-0.04323	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	LEPA	BAYOU RAMOS 138KV	29.82497	-0.00181	-0.04414	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	BLACKHAWK 115KV	220	-0.00218	-0.04377	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	BOOMER 69KV	24	-0.0021	-0.04385	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	CARRCOCK 115KV	79.98182	-0.00227	-0.04368	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF AUGUSTA 69KV	24	-0.00152	-0.04443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF MULVANE 69KV	8.29	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	CITY OF WINFIELD 69KV	26.77	-0.00174	-0.04421	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	COGENTRIX 345KV	765	-0.00183	-0.04412	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	COMANCHE 138KV	160	-0.00275	-0.0432	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	COMANCHE 69KV	63	-0.00276	-0.04319	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	CUNNINGHAM 115KV	170.9048	-0.00229	-0.04366	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.04366	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	CZ 69KV	39	-0.00221	-0.04374	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	D 3 HUNTER POWER STATION 138KV	84.39839	-0.00286	-0.04305	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	DENISON 138KV	59.59999	-0.00154	-0.04443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	EUFULA 138KV	51	-0.00152	-0.04443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	EUFULA 161KV	69.8	-0.00152	-0.04443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	EVANGELINE 138KV	138.0374	-0.00271	-0.04324	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	EVANGELINE 230KV	168.5562	-0.00267	-0.04328	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	EVANS ENERGY CENTER 138KV	565	-0.00155	-0.0444	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	FPLWIND2 34KV	102	-0.00241	-0.04354	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.0444	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	GRDA1 161KV	190	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	GRDA1 345KV	22	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	HARRINGTON 230KV	1066	-0.00217	-0.04378	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	HORSESHOE LAKE 138KV	511.7124	-0.00255	-0.0434	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	HORSESHOE LAKE 69KV	16	-0.00255	-0.0434	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	HUBRCO2 69KV	11	-0.00218	-0.04377	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	JONES 230KV	486	-0.00233	-0.04362	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	KERR 115KV	13.5	-0.00152	-0.04443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	KERR 161KV	13.5	-0.00153	-0.04442	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	KEYSTONE DAM 161KV	150.6	-0.00181	-0.04414	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	LP BRND2 69KV	20	-0.00233	-0.04362	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	LP MACK2 69KV	60	-0.00233	-0.04362	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	MADOX 115KV	118	-0.00229	-0.04366	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	MCCLAIN 138KV	478	-0.00261	-0.04334	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	MOORE COUNTY 115KV	48	-0.00216	-0.04379	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WFEC	MORLND 138KV	312.5645	-0.00241	-0.04354	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	MUSKOGEE 345KV	1516	-0.00177	-0.04418	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	MUSTANG 115KV	300	-0.00223	-0.04365	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	MUSTANG 138KV	365.5	-0.00256	-0.04339	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	MUSTANG 230KV	360	-0.00229	-0.04366	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	MUSTANG 69KV	106	-0.00256	-0.04339	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	NATCHITOCHE 69KV	16.50468	-0.00283	-0.04312	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	NICHOLS 115KV	147	-0.00218	-0.04377	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	NICHOLS 230KV	147	-0.00217	-0.04378	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	NORTHEASTERN STATION 138KV	500	-0.00166	-0.04429	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	NORTHEASTERN STATION 345KV	645	-0.00165	-0.0443	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	OEC 345KV	306	-0.00175	-0.04442	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OMPA	OMPA-KAW 69KV	19.7	-0.00211	-0.04384	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OMPA	OMPA-PONCA CITY 69KV	78.11124	-0.00211	-0.04384	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	ONNE OAK 345KV	136	-0.00248	-0.04347	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	PLANTX 115KV	205	-0.00227	-0.04368	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	PLANTX 230KV	189	-0.00227	-0.04368	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	REDBUD 345KV	100	-0.00246	-0.04349	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	RIVER SIDE 138KV	172	-0.00184	-0.04411	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPPW	RIVERSIDE STATION 138KV	482	-0.00184	-0.04411	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	RODEMACHER 230KV	651	-0.00292	-0.04303	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	GRDA	SALINA 161KV	29.13254	-0.00153	-0.04442	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.04367	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	SEMINOLE 138KV	480.0266	-0.00283	-0.04312	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	SEMINOLE 345KV	996	-0.00284	-0.04311	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS					

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

AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	SOONER 138KV	505	-0.00222	-0.04373	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	OKGE	SOONER 345KV	513	-0.00231	-0.04364	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	SOUTHWESTERN STATION 138KV	376	-0.00272	-0.04323	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.04375	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	CELE	TECHE 138KV	212.9806	-0.00218	-0.04379	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	TOLK 230KV	1024.036	-0.00228	-0.04367	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.04414	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WERE	WACO 138KV	17.967	-0.00154	-0.04441	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	WEATHERFORD 34KV	148	-0.00255	-0.0434	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	WELEETKA 138KV	84	-0.00236	-0.04359	12
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SPS	WILWIND 230KV	159.9636	-0.00217	-0.04378	12
CELE	ACADIA 138KV	1093.203	-0.00225	CELE	DOLET HILLS 345KV	360	0.03666	-0.03916	13
WFEC	ANADARKO 138KV	136	-0.00272	CELE	DOLET HILLS 345KV	360	0.03666	-0.03938	13
WFEC	ANADARKO 69KV	76	-0.00271	CELE	DOLET HILLS 345KV	360	0.03666	-0.03937	13
EMDE	ASBURY 161KV	20	-0.00126	CELE	DOLET HILLS 345KV	360	0.03666	-0.03792	13
LEPA	BAYOU RAMOS 138KV	24.17503	-0.00181	CELE	DOLET HILLS 345KV	360	0.03666	-0.03947	13
WFEC	BLUE CANYON 138KV	151.2	-0.00271	CELE	DOLET HILLS 345KV	360	0.03666	-0.03937	13
WERE	BPU - CITY OF MCPHERSON 115KV	9.00002	-0.00128	CELE	DOLET HILLS 345KV	360	0.03666	-0.03794	13
SPS	CARLSBAD 69KV	18	-0.00229	CELE	DOLET HILLS 345KV	360	0.03666	-0.03895	13
WERE	CHANUTE 69KV	32.163	-0.00139	CELE	DOLET HILLS 345KV	360	0.03666	-0.03805	13
WERE	CITY OF AUGUSTA 69KV	8.840999	-0.00152	CELE	DOLET HILLS 345KV	360	0.03666	-0.03818	13
WERE	CITY OF BURLINGTON 69KV	21.939	-0.00137	CELE	DOLET HILLS 345KV	360	0.03666	-0.03803	13
WERE	CITY OF FREDONIA 69KV	6.960999	-0.00143	CELE	DOLET HILLS 345KV	360	0.03666	-0.03809	13
WERE	CITY OF GIRARD 69KV	6.108	-0.00131	CELE	DOLET HILLS 345KV	360	0.03666	-0.03797	13
WERE	CITY OF IOLA 69KV	13.157	-0.00135	CELE	DOLET HILLS 345KV	360	0.03666	-0.03794	13
WERE	CITY OF MULVANE 69KV	7.5	-0.00154	CELE	DOLET HILLS 345KV	360	0.03666	-0.03821	13
WERE	CITY OF OSAGE CITY 115KV	8.85	-0.00124	CELE	DOLET HILLS 345KV	360	0.03666	-0.03791	13
WERE	CITY OF WINFIELD 69KV	13.23	-0.00174	CELE	DOLET HILLS 345KV	360	0.03666	-0.0384	13
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00124	CELE	DOLET HILLS 345KV	360	0.03666	-0.03791	13
AEPW	COGENTRIX 345KV	129	-0.00183	CELE	DOLET HILLS 345KV	360	0.03666	-0.03849	13
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00222	CELE	DOLET HILLS 345KV	360	0.03666	-0.03888	13
SPS	CUNNINGHAM 115KV	10.09521	-0.00229	CELE	DOLET HILLS 345KV	360	0.03666	-0.03895	13
CELE	D.G. HUNTER POWER STATION 138KV	41.9016	-0.00286	CELE	DOLET HILLS 345KV	360	0.03666	-0.03952	13
SWPA	DENISON 138KV	10.40001	-0.0035	CELE	DOLET HILLS 345KV	360	0.03666	-0.04016	13
WERE	EMPORIA 345KV	828	-0.00128	CELE	DOLET HILLS 345KV	360	0.03666	-0.03794	13
SWPA	EUFAULA 138KV	9.000004	-0.00152	CELE	DOLET HILLS 345KV	360	0.03666	-0.03818	13
SWPA	EUFAULA 161KV	12.2	-0.00152	CELE	DOLET HILLS 345KV	360	0.03666	-0.03818	13
CELE	EVANGELINE 138KV	173.9628	-0.00271	CELE	DOLET HILLS 345KV	360	0.03666	-0.03937	13
CELE	EVANGELINE 230KV	256.4438	-0.00267	CELE	DOLET HILLS 345KV	360	0.03666	-0.03933	13
WERE	EVANS ENERGY CENTER 138KV	162	-0.00155	CELE	DOLET HILLS 345KV	360	0.03666	-0.03821	13
WERE	GETTY 69KV	35	-0.0015	CELE	DOLET HILLS 345KV	360	0.03666	-0.03816	13
WERE	GILL ENERGY CENTER 69KV	8	-0.00155	CELE	DOLET HILLS 345KV	360	0.03666	-0.03821	13
OKGE	HORSESHOE LAKE 138KV	339.7876	-0.00255	CELE	DOLET HILLS 345KV	360	0.03666	-0.03921	13
WERE	HUTCHINSON ENERGY CENTER 115KV	91	-0.00129	CELE	DOLET HILLS 345KV	360	0.03666	-0.03795	13
WERE	HUTCHINSON ENERGY CENTER 69KV	6.999996	-0.00129	CELE	DOLET HILLS 345KV	360	0.03666	-0.03795	13
LEPA	IRION SUB 230KV	19	-0.00128	CELE	DOLET HILLS 345KV	360	0.03666	-0.03792	13
GRDA	KERR 115KV	13.5	-0.00152	CELE	DOLET HILLS 345KV	360	0.03666	-0.03818	13
GRDA	KERR 161KV	28.5	-0.00153	CELE	DOLET HILLS 345KV	360	0.03666	-0.03819	13
SWPA	KEYSTONE DAM 161KV	49.60001	-0.00181	CELE	DOLET HILLS 345KV	360	0.03666	-0.03847	13
AEPW	KIOWA 345KV	1348	-0.00352	CELE	DOLET HILLS 345KV	360	0.03666	-0.04018	13
SPS	LP-HOLL2 69KV	132	-0.00233	CELE	DOLET HILLS 345KV	360	0.03666	-0.03899	13
SPS	LP-MACK2 69KV	20	-0.00233	CELE	DOLET HILLS 345KV	360	0.03666	-0.03899	13
SPS	MADDOX 115KV	75	-0.00229	CELE	DOLET HILLS 345KV	360	0.03666	-0.03895	13
AEPW	MATTISON 161KV	190	-0.00139	CELE	DOLET HILLS 345KV	360	0.03666	-0.03805	13
OKGE	MCCLAIN 138KV	42	-0.00281	CELE	DOLET HILLS 345KV	360	0.03666	-0.03927	13
AEPW	MID-CONTINENT 138KV	142.11	-0.00157	CELE	DOLET HILLS 345KV	360	0.03666	-0.03818	13
WFEC	MORLAND 138KV	7.435551	-0.00241	CELE	DOLET HILLS 345KV	360	0.03666	-0.03907	13
OKGE	MUSKOGEE 161KV	31	-0.00154	CELE	DOLET HILLS 345KV	360	0.03666	-0.0382	13
OKGE	MUSKOGEE 345KV	20	-0.00177	CELE	DOLET HILLS 345KV	360	0.03666	-0.03843	13
CELE	NATCHITOCHE 69KV	20.12032	-0.00283	CELE	DOLET HILLS 345KV	360	0.03666	-0.03949	13
SPS	NICHOLS 115KV	66.00001	-0.00218	CELE	DOLET HILLS 345KV	360	0.03666	-0.03884	13
SPS	NICHOLS 230KV	97	-0.00217	CELE	DOLET HILLS 345KV	360	0.03666	-0.03883	13
AEPW	OEC 345KV	1841.03	-0.00175	CELE	DOLET HILLS 345KV	360	0.03666	-0.03841	13
OMPA	OMPA-KAW 69KV	10	-0.00211	CELE	DOLET HILLS 345KV	360	0.03666	-0.03877	13
OMPA	OMPA-KINGFISHER BOWMAN 69KV	8.5	-0.00244	CELE	DOLET HILLS 345KV	360	0.03666	-0.0391	13
OMPA	OMPA-MIANGUM 69KV	6.9	-0.0026	CELE	DOLET HILLS 345KV	360	0.03666	-0.03928	13
OMPA	OMPA-PAWHLUSKA NORTHEAST 138KV	6.9	-0.00181	CELE	DOLET HILLS 345KV	360	0.03666	-0.03847	13
OMPA	OMPA-PONCA CITY 69KV	115.5721	-0.00211	CELE	DOLET HILLS 345KV	360	0.03666	-0.03877	13
OKGE	ONE OAK 345KV	200	-0.00248	CELE	DOLET HILLS 345KV	360	0.03666	-0.03914	13
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	SWPA	BROKEN BOW 138KV	93.6	-0.00614	-0.03981	13
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	WFEC	HUGO 138KV	450	-0.00528	-0.04067	13
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	NARROWS 69KV	22	-0.00794	-0.03801	13
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	WELSH 345KV	1044	-0.00774	-0.03821	13
SPS	PLANTX 115KV	48	-0.00227	CELE	DOLET HILLS 345KV	360	0.03666	-0.03893	13
OKGE	RED ROCK 345KV	1050	-0.00231	CELE	DOLET HILLS 345KV	360	0.03666	-0.03897	13
OKGE	REDBUD 345KV	1100	-0.00248	CELE	DOLET HILLS 345KV	360	0.03666	-0.03909	13
AEPW	RIVERSIDE STATION 138KV	240	-0.00184	CELE	DOLET HILLS 345KV	360	0.03666	-0.0385	13
EMDE	RIVERTON 161KV	126.546	-0.00128	CELE	DOLET HILLS 345KV	360	0.03666	-0.03794	13
EMDE	RIVERTON 69KV	20.05076	-0.00127	CELE	DOLET HILLS 345KV	360	0.03666	-0.03793	13
SPS	RIVERVIEW 69KV	23	-0.00218	CELE	DOLET HILLS 345KV	360	0.03666	-0.03884	13
CELE	RODEMACHER 230KV	66	-0.00292	CELE	DOLET HILLS 345KV	360	0.03666	-0.03958	13
GRDA	SALINA 161KV	68.86746	-0.00153	CELE	DOLET HILLS 345KV	360	0.03666	-0.03819	13
OKGE	SEMINOLE 138KV	24.97342	-0.00283	CELE	DOLET HILLS 345KV	360	0.03666	-0.03949	13
OKGE	SOONER 138KV	24.99997	-0.00222	CELE	DOLET HILLS 345KV	360	0.03666	-0.03888	13
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00227	CELE	DOLET HILLS 345KV	360	0.03666	-0.03893	13
AEPW	SOUTHWESTERN STATION 138KV	383	-0.00272	CELE	DOLET HILLS 345KV	360	0.03666	-0.03938	13
WERE	ST JOHN 115KV	7.5	-0.00136	CELE	DOLET HILLS 345KV	360	0.03666	-0.03802	13
EMDE	STATE LINE 161KV	103	-0.00126	CELE	DOLET HILLS 345KV	360	0.03666	-0.03792	13
CELE	TECHE 138KV	109.0194	-0.00216	CELE	DOLET HILLS 345KV	360	0.03666	-0.03882	13
CELE	TECHE 34KV	23	-0.00216	CELE	DOLET HILLS 345KV	360	0.03666	-0.03882	13
OKGE	TINKER 5G 138KV	62	-0.00263	CELE	DOLET HILLS 345KV	360	0.03666	-0.03929	13
SPS	TOLK 230KV	55.96359	-0.00228	CELE	DOLET HILLS 345KV	360	0.03666	-0.03894	13
SPS	TUCUMCARI 115KV	15	-0.00227	CELE	DOLET HILLS 345KV	360	0.03666	-0.03893	13
AEPW	TULSA POWER STATION 138KV	142	-0.00181	CELE	DOLET HILLS 345KV	360	0.03666	-0.03847	13
AEPW	TULSA POWER STATION 69KV	80	-0.00181	CELE	DOLET HILLS 345KV	360	0.03666	-0.03847	13
SWPA	WEBBERS FALLS 161KV	29.8	-0.00143	CELE	DOLET HILLS 345KV	360	0.03666	-0.03809	13
AEPW	WELEETKA 138KV	5.9	-0.00236	CELE	DOLET HILLS 345KV	360	0.03666	-0.03902	13
OKGE	WOODWARD 24KV	9.3	-0.00241	CELE	DOLET HILLS 345KV	360	0.03666	-0.03907	13
SWPA	BEAVER 161KV	23.18529	-0.00113	CELE	DOLET HILLS 345KV	360	0.03666	-0.03779	13
WERE	BROWN COUNTY 115KV	5.5	-0.00111	CELE	DOLET HILLS 345KV	360	0.03666	-0.03777	13
SWPA	BULL SHOALS 161KV	110.2	-0.00042	CELE	DOLET HILLS 345KV	360	0.03666	-0.03708	14
SWPA	CLARENCE CANNON DAM 69KV	8.599998	-0.00062	CELE	DOLET HILLS 345KV	360	0.03666	-0.03728	14
AEPW	FITZHUGH 161KV	25.00001	-0.00043	CELE	DOLET HILLS 345KV	360	0.03666	-0.03709	14
SWPA	GREERS FERRY 161KV	16.4	0.00034	CELE	DOLET HILLS 345KV	360	0.03666	-0.03632	14
WERE	HOLTON 115KV	19.8	-0.00115	CELE	DOLET HILLS 345KV	360	0.03666	-0.03781	14
SWPA	INDEPENDENCE 161KV	13	0.00031	CELE	DOLET HILLS 345KV	360	0.03666	-0.03635	14
WERE	JEFFREY ENERGY CENTER 230KV	17.87061	-0.0012	CELE	DOLET HILLS 345KV	360	0.03666	-0.03786	14
WERE	JEFFREY ENERGY CENTER 345KV	22	-0.0012	CELE	DOLET HILLS 345KV	360	0.03666	-0.03786	14
SWPA	JONESBORO 161KV	20	0.0002	CELE	DOLET HILLS 345KV	360	0.03666	-0.03646	14
SWPA	KENNETT 69KV	21.5	0.00009	CELE	DOLET HILLS 345KV	360	0.03666	-0.03657	14
AEPW	KNOXLEE 138KV	259	-0.09455	AEPW	LIEBERMAN 138KV	73.99999	-0.05716	-0.03739	14
AEPW	L&D13 69KV	13	-0.00072	CELE	DOLET HILLS 345KV	360	0.03666	-0.03738	14
EMDE	LARUSSEL 161KV	180	-0.00115	CELE	DOLET HILLS 345KV	360	0.03666	-0.03781	14
WERE	LAWRENCE ENERGY CENTER 230KV	37.69617	-0.00118	CELE	DOLET HILLS 345KV	360	0.03666	-0.03784	14
SWPA	MALDEN 69KV	10	0.00005	CELE	DOLET HILLS 345KV	360	0.03666	-0.03661	14

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

SWPA	POPLAR BLUFF 69KV	13	-0.0006	CELE	DOLET HILLS 345KV	360	0.0366	-0.0362	14
SWPA	ROBERT S. KERR 161KV	73.90001	-0.0009	CELE	DOLET HILLS 345KV	360	0.0366	-0.03756	14
WERE	SOUTH SENECA 115KV	16.7	-0.00112	CELE	DOLET HILLS 345KV	360	0.0366	-0.03778	14
WERE	TECUMSEH ENERGY CENTER 69KV	41	-0.00119	CELE	DOLET HILLS 345KV	360	0.0366	-0.03785	14
SWPA	TRUMAN 161KV	78.00032	-0.00087	CELE	DOLET HILLS 345KV	360	0.0366	-0.03753	14
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	WILKES 345KV	297.2948	0.00169	-0.03421	15
AEPW	LEBROCK 345KV	13.7052	0.00169	CELE	DOLET HILLS 345KV	360	0.0366	-0.03497	15
AEPW	LEBROCK 345KV	382	-0.03252	WERE	ABILENE ENERGY CENTER 115KV	45	-0.00125	-0.03127	16
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	AES 161KV	320	-0.00068	-0.03184	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	ASBURY 161KV	191	-0.00126	-0.03126	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	BEAVER 161KV	142.4147	-0.00113	-0.03139	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	BPU - CITY OF MCPHERSON 115KV	165	-0.00128	-0.03124	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	BULL SHOALS 161KV	279.4	-0.00042	-0.0321	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	CARTHAGE 69KV	32	-0.00119	-0.03133	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CHANUTE 69KV	55.637	-0.00139	-0.03113	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF AUGUSTA 69KV	24	-0.00152	-0.031	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00137	-0.03115	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF ERIE 69KV	23.374	-0.00139	-0.03113	16
AEPW	LEBROCK 345KV	382	-0.03252	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00129	-0.03123	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF IOLA 69KV	24.471	-0.00135	-0.03117	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00062	-0.0319	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00137	-0.03115	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	ELK RIVER 345KV	46	-0.00145	-0.03107	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	ELK RIVER WIND 34KV	100	-0.00145	-0.03107	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	EUFAULA 138KV	51	-0.00152	-0.031	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	EUFAULA 161KV	69.8	-0.00152	-0.03261	16
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	FITZHUGH 161KV	101	-0.00043	-0.03209	16
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	FLINT CREEK 161KV	428	-0.00141	-0.03111	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	GREERS FERRY 161KV	93.6	0.00034	-0.03286	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	HUTCHINSON ENERGY CENTER 115KV	345	-0.00129	-0.03123	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	HUTCHINSON ENERGY CENTER 69KV	45	-0.00129	-0.03123	16
AEPW	LEBROCK 345KV	382	-0.03252	LEPA	IRION SUB 230KV	25	-0.00126	-0.03126	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	JEFFREY ENERGY CENTER 230KV	476.1294	-0.0012	-0.03132	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	JEFFREY ENERGY CENTER 345KV	960	-0.0012	-0.03132	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	JONESBORO 161KV	43	0.0002	-0.03272	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	KENNETT 69KV	7.5	-0.00059	-0.03261	16
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	KERR 115KV	13.5	-0.00152	-0.031	16
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	L&D13 69KV	11	-0.00072	-0.0318	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	LARUSSEL 161KV	116	-0.00115	-0.03137	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	LAWRENCE ENERGY CENTER 230KV	231.3038	-0.00118	-0.03134	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	MALDEN 69KV	7	0.00005	-0.03257	16
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	MATTISON 161KV	320	-0.00139	-0.03113	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	OZARK BEACH 161KV	150.6	-0.00043	-0.03209	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	OZARK BEACH 161KV	16	-0.00083	-0.03169	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	PARAGOULD 69KV	6	0.00015	-0.03267	16
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	PENSACOLA 161KV	33	-0.00147	-0.03105	16
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	PENSACOLA 69KV	29.80457	-0.00146	-0.03106	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	RIVERTON 161KV	195.454	-0.00128	-0.03124	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	RIVERTON 69KV	47.94924	-0.00127	-0.03125	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	ROBERT S. KERR 161KV	314.8	-0.0009	-0.03162	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	SIKESTON 161KV	235	-0.00003	-0.03249	16
AEPW	LEBROCK 345KV	382	-0.03252	EMDE	STATE LINE 161KV	503	-0.00126	-0.03126	16
AEPW	LEBROCK 345KV	382	-0.03252	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00119	-0.03133	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	TRUMAN 161KV	102	-0.00087	-0.03165	16
AEPW	LEBROCK 345KV	382	-0.03252	LEPA	WATERLOO SUB 230KV	6	-0.00127	-0.03125	16
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	WEBBERS FALLS 161KV	39.2	-0.00143	-0.03109	16
AEPW	PIRKEY GENERATION 138KV	25	-0.04595	AEPW	WILKES 138KV	199.2238	-0.01429	-0.03166	16
AEPW	LEBROCK 345KV	382	-0.03252	CELE	ACADIA 138KV	88.79679	-0.0025	-0.03002	17
AEPW	LEBROCK 345KV	382	-0.03252	LEPA	BAYOU RAMOS 138KV	29.82497	-0.00181	-0.03071	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	BLACKHAWK 115KV	220	-0.00218	-0.03034	17
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	BOOMER 69KV	24	-0.0021	-0.03042	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	CAPROCK 115KV	79.98182	-0.00227	-0.03025	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF MULVANE 69KV	8.29	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	CITY OF WINFIELD 69KV	26.77	-0.00174	-0.03078	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	COOKFRIE 345KV	765	-0.00183	-0.03069	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	CUNNINGHAM 115KV	170.9048	-0.00225	-0.0302	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	CUNNINGHAM 230KV	306	-0.00229	-0.03023	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	CZ 69KV	39	-0.00221	-0.03031	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	EVANS ENERGY CENTER 138KV	565	-0.00155	-0.03097	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	FPLWIND2 34KV	102	-0.00241	-0.03011	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	GILL ENERGY CENTER 138KV	216	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	GILL ENERGY CENTER 69KV	75	-0.00155	-0.03097	17
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	GRDA1 161KV	190	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	GRDA1 345KV	220	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	HARRINGTON 230KV	1066	-0.00217	-0.03036	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	HARRINGT2 69KV	11	-0.00218	-0.03034	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	JONES 230KV	486	-0.00233	-0.03019	17
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	KERR 161KV	13.5	-0.00153	-0.03099	17
AEPW	LEBROCK 345KV	382	-0.03252	SWPA	KEYSTONE DAM 161KV	150.6	-0.00181	-0.03071	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	LP-BRND2 69KV	20	-0.00233	-0.03019	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	LP-MACK2 69KV	60	-0.00233	-0.03019	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	MADDOX 115KV	118	-0.00229	-0.03023	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	MOORE COUNTY 115KV	48	-0.00216	-0.03036	17
AEPW	LEBROCK 345KV	382	-0.03252	WFEC	MORLND 138KV	312.5645	-0.00241	-0.03011	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	MUSKOGEE 161KV	166	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	MUSKOGEE 345KV	1516	-0.00177	-0.03075	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	MUSTANG 115KV	300	-0.0023	-0.03022	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	MUSTANG 230KV	360	-0.00229	-0.03023	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	NICHOLS 115KV	147	-0.00218	-0.03034	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	NICHOLS 230KV	147	-0.00217	-0.03035	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	NORTHEASTERN STATION 138KV	500	-0.00166	-0.03086	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	NORTHEASTERN STATION 345KV	645	-0.00165	-0.03087	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	OEC 345KV	306	-0.00175	-0.03077	17
AEPW	LEBROCK 345KV	382	-0.03252	OMPA	OMPA-KAW 69KV	19.7	-0.00211	-0.03041	17
AEPW	LEBROCK 345KV	382	-0.03252	OMPA	OMPA-PONCA CITY 69KV	78.11124	-0.00211	-0.03041	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	ONE OAK 345KV	136	-0.00248	-0.03004	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	PLANTX 115KV	205	-0.00227	-0.03025	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	PLANTX 230KV	189	-0.00227	-0.03025	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	REDBUD 345KV	100	-0.00246	-0.03006	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	RIVER SIDE 138KV	172	-0.00184	-0.03068	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	RIVERSIDE STATION 138KV	482	-0.00184	-0.03068	17
AEPW	LEBROCK 345KV	382	-0.03252	GRDA	SALINA 161KV	29.13254	-0.00153	-0.03099	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	SAN JUAN 230KV	119.9727	-0.00228	-0.03024	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	SIDRCH 69KV	20	-0.00218	-0.03034	17
AEPW	LEBROCK 345KV	382	-0.03252	WFEC	SLEEPING BEAR 138KV	80	-0.0024	-0.03012	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	SLEEPING BEAR 34KV	120	-0.00241	-0.03011	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	SOONER 138KV	505	-0.00222	-0.03003	17
AEPW	LEBROCK 345KV	382	-0.03252	OKGE	SOONER 345KV	513	-0.00231	-0.03021	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	STEER WATER 115KV	79.98182	-0.0022	-0.03032	17
AEPW	LEBROCK 345KV	382	-0.03252	CELE	TECHE 138KV	212.9806	-0.00216	-0.03036	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	TOLK 230KV	1024.036	-0.00228	-0.03024	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	TULSA POWER STATION 138KV	152	-0.00181	-0.03071	17
AEPW	LEBROCK 345KV	382	-0.03252	WERE	WACO 138KV	17.967	-0.00154	-0.03098	17
AEPW	LEBROCK 345KV	382	-0.03252	AEPW	WEELETKA 138KV	94	-0.00236	-0.03016	17
AEPW	LEBROCK 345KV	382	-0.03252	SPS	WILWIND 230KV	159.9636	-0.00217	-0.03035	17

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

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

Upgrade: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 DISPLACEMENT
 Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2
 Flowgate: SWSHV12741SWSSHV27421408SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Aggregate Redispatch Amount (MW)
1158760	5.0	10.0	AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'DOLET HILLS 345KV'	360	0.08637	-0.47771	21
1158761	5.0	10.0	AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00179	-0.38955	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'ACADIA 138KV'	307.0811	-0.00234	-0.389	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'AES 161KV'	320	-0.00113	-0.39021	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WFEC	'ANADARKO 138KV'	286.2824	-0.00381	-0.38753	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	EMDE	'ASBURY 161KV'	191	-0.00182	-0.38952	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	LEPA	'BAYOU RAMOS 138KV'	29.82431	-0.00156	-0.38978	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'BEAVER 161KV'	139.1643	-0.00166	-0.38968	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'BLACKHAWK 115KV'	220	-0.00305	-0.38829	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'BOOMER 69KV'	24	-0.00297	-0.38837	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.00163	-0.38951	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'BULL SHOALS 161KV'	279.4	-0.00072	-0.39062	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'CARTHAGE 69KV'	32	-0.00174	-0.3896	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CHANUTE 69KV'	55.637	-0.002	-0.38934	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00217	-0.38917	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00197	-0.38937	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CITY OF ERIE 69KV'	23.374	-0.002	-0.38934	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00109	-0.39025	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CITY OF IOLA 69KV'	24.471	-0.00195	-0.38939	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00247	-0.38887	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00363	-0.38941	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	98	-0.00197	-0.38937	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'COGENTRIX 345KV'	300	-0.00261	-0.38873	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'COMANCHE 138KV'	160	-0.00383	-0.38751	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'COMANCHE 69KV'	63	-0.00384	-0.3875	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'CUNNINGHAM 115KV'	181	-0.00321	-0.38813	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'CUNNINGHAM 230KV'	306	-0.0032	-0.38814	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'CZ 69KV'	39	-0.0031	-0.38824	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'D. G. HUNTER POWER STATION 138KV'	86.5168	-0.00125	-0.39009	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'DENISON 138KV'	59.59999	-0.00496	-0.38638	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	EMDE	'ELK RIVER 345KV'	150	-0.00208	-0.38926	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'ELK RIVER WIND 34KV'	100	-0.00208	-0.38926	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'EUFAULA 138KV'	51	-0.00225	-0.38909	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'EUFAULA 161KV'	69.8	-0.00225	-0.38909	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'EVANGELINE 138KV'	141.4269	-0.00181	-0.38953	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'EVANGELINE 230KV'	173.6403	-0.00162	-0.38972	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00221	-0.38913	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'FITZHUGH 161KV'	101	-0.00079	-0.39055	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'FLINT CREEK 161KV'	428	-0.00205	-0.38929	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'FPLWIND2 34KV'	102	-0.00337	-0.38797	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'GILL ENERGY CENTER 138KV'	171	-0.0022	-0.38914	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'GILL ENERGY CENTER 69KV'	76	-0.0022	-0.38914	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'GRDA1 161KV'	190	-0.00222	-0.38912	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'GRDA1 345KV'	220	-0.00222	-0.38912	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'GREERS FERRY 161KV'	93.6	0.00026	-0.3916	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'HARRINGTON 230KV'	1066	-0.00304	-0.3883	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'HORSESHOE LAKE 138KV'	769.0186	-0.00356	-0.38778	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'HORSESHOE LAKE 69KV'	16	-0.00356	-0.38778	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00185	-0.38949	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00185	-0.38949	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'INDEPENDENCE 161KV'	13	0.00323	-0.39157	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	LEPA	'INION SUB 230KV'	25	-0.00106	-0.39028	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00173	-0.38961	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00173	-0.38961	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'JONES 230KV'	486	-0.00326	-0.38808	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'JONESBORO 161KV'	43	0.00013	-0.39147	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'KERR 115KV'	13.5	-0.0022	-0.38914	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'KERR 161KV'	13.5	-0.00221	-0.38913	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'KEYSTONE DAM 161KV'	150.6	-0.00259	-0.38875	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	EMDE	'LARUSSEL 161KV'	116	-0.00168	-0.38966	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5762	-0.00177	-0.38964	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'LP-BRD02 69KV'	20	-0.00326	-0.38808	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'LP-MACK2 69KV'	60	-0.00326	-0.38808	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'MADDOX 115KV'	183	-0.00321	-0.38813	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'MATTISON 161KV'	320	-0.00202	-0.38932	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'MCCLELLAN 138KV'	478	-0.00365	-0.38769	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'MOORE COUNTY 115KV'	48	-0.00303	-0.38831	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WFEC	'MORLND 138KV'	298.512	-0.00337	-0.38797	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'MUSKOGEE 161KV'	166	-0.00224	-0.3891	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'MUSKOGEE 345KV'	1516	-0.00253	-0.38881	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'MUSTANG 115KV'	300	-0.00321	-0.38813	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'MUSTANG 138KV'	365.5	-0.00358	-0.38778	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'MUSTANG 230KV'	380	-0.00321	-0.38813	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'MUSTANG 69KV'	106	-0.00358	-0.38778	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'NATCHITOCHEES 69KV'	16.92836	0.00137	-0.39271	25
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'NICHOLS 115KV'	147	-0.00306	-0.38828	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'NICHOLS 230KV'	147	-0.00304	-0.3883	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'NORTHEASTERN STATION 138KV'	472	-0.00238	-0.38896	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'NORTHEASTERN STATION 345KV'	645	-0.00237	-0.38897	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEWP	'OEC 345KV'	319	-0.00251	-0.38883	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OMPA	'OMPAKAW 69KV'	19.7	-0.00298	-0.38936	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OMPA	'OMPA-PONCA CITY 69KV'	117.1716	-0.00298	-0.38936	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'ONE OAK 345KV'	75	-0.00347	-0.38787	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'OZARK 161KV'	150.6	-0.00209	-0.39055	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	EMDE	'OZARK BEACH 161KV'	16	-0.00126	-0.39008	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'PENSACOLA 161KV'	33	-0.00212	-0.38922	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	GRDA	'PENSACOLA 69KV'	29.80457	-0.00212	-0.38922	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'PLANTX 115KV'	225.9048	-0.00318	-0.38816	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'PLANTX 230KV'	189	-0.00317	-0.38817	26
			AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE					

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

AEPW	'ARSENAL HILL 69KV'	99	-0.39134	OKGE	'SOONER 345KV'	513	-0.00324	-0.3881	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'SOUTHWESTERN STATION 138KV'	311	-0.0038	-0.38754	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	EMDE	'STATE LINE 161KV'	503	-0.00183	-0.38951	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	CELE	'TECHE 138KV'	227.5919	-0.00187	-0.38947	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00171	-0.38963	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SFS	'TOLK 230KV'	1027.49	-0.00318	-0.38816	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'TRUMAN 161KV'	102	-0.00128	-0.39008	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'TULSA POWER STATION 138KV'	38	-0.00259	-0.38875	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WERE	'WACO 138KV'	17.967	-0.0022	-0.38914	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'WEATHERFORD 34KV'	148	-0.00357	-0.38777	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'WEBBERS FALLS 161KV'	39.2	-0.00212	-0.38922	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'WELETKA 138KV'	84	-0.00341	-0.38793	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'WILKES 345KV'	191	-0.00103	-0.39031	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SPS	'WILWIND 230KV'	16	-0.00304	-0.3883	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	SWPA	'BROKEN BOW 138KV'	93.6	-0.00965	-0.38199	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	WFEC	'HUGO 138KV'	450	-0.0076	-0.38574	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'NARROWS 69KV'	22	-0.01354	-0.3778	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'WELSH 345KV'	1044	-0.00825	-0.38309	26
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'WILKES 138KV'	136.7149	-0.03012	-0.36122	28
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'LEBROCK 345KV'	465	-0.0464	-0.34494	29
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'PIRKEY GENERATION 138KV'	490	-0.07038	-0.32096	31
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'DOLET HILLS 345KV'	360	0.08637	-0.31045	32
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'EASTMAN 138KV'	355	-0.08859	-0.30275	33
AEPW	'ARSENAL HILL 69KV'	99	-0.39134	AEPW	'KNOWLEE 138KV'	103	-0.10873	-0.28261	35
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00179	-0.22229	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'ACADIA 138KV'	307.0811	-0.00321	-0.22174	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OKGE	'AES 161KV'	320	-0.00113	-0.22295	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'ASBURY 161KV'	191	-0.00182	-0.22228	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	LEPA	'BAYOU RAMOS 138KV'	29.82431	-0.00156	-0.22252	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'BEAVER 161KV'	139.1643	-0.00166	-0.22242	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'BLACKHAWK 115KV'	220	-0.00305	-0.22103	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'BOOMER 69KV'	24	-0.00297	-0.22111	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.00183	-0.22225	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'BULL SHOALS 161KV'	278.4	-0.00072	-0.22336	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'CARTHAGE 69KV'	32	-0.00174	-0.22324	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CHAMUTE 69KV'	55.637	-0.007	-0.22308	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00217	-0.22191	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00197	-0.22211	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CITY OF ERIE 69KV'	23.374	-0.002	-0.22208	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00109	-0.22299	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CITY OF IOLA 69KV'	24.471	-0.00195	-0.22213	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00247	-0.22161	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00093	-0.22315	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'COGENTRIX 345KV'	300	-0.00261	-0.22147	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'CUNNINGHAM 115KV'	181	-0.00321	-0.22087	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'CUNNINGHAM 230KV'	306	-0.0032	-0.22087	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'CZ 69KV'	39	-0.0031	-0.22098	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'D G HUNTER POWER STATION 138KV'	86.5168	-0.00125	-0.22283	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'ELK RIVER 345KV'	150	-0.00208	-0.222	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'ELK RIVER WIND 34KV'	100	-0.00208	-0.222	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'EUFULA 138KV'	51	-0.00225	-0.22183	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'EUFULA 161KV'	69.8	-0.00225	-0.22183	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'EVANGELINE 138KV'	141.4269	-0.00181	-0.22227	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'EVANGELINE 230KV'	173.6403	-0.00162	-0.22246	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00321	-0.22187	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'FITZHUGH 161KV'	101	-0.00079	-0.22079	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'FLINT CREEK 161KV'	428	-0.00205	-0.22203	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'GILL ENERGY CENTER 138KV'	171	-0.0022	-0.22188	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'GILL ENERGY CENTER 69KV'	75	-0.0022	-0.22188	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'GRDA1 161KV'	190	-0.00222	-0.22186	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'GRDA1 345KV'	220	-0.00222	-0.22186	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'GREERS FERRY 161KV'	93.6	0.00026	-0.22434	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'HARRINGTON 230KV'	1066	-0.00304	-0.22104	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00185	-0.22223	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00185	-0.22223	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	LEPA	'IRON SUB 230KV'	25	-0.00186	-0.22302	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.00173	-0.22235	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.00173	-0.22235	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'JONES 230KV'	486	-0.00326	-0.22082	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'JONESBORO 161KV'	43	0.00013	-0.22421	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'KEYSTONE DAM 161KV'	150.6	-0.00259	-0.22149	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'LARUSSEL 161KV'	116	-0.00168	-0.2224	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5762	-0.0017	-0.22238	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'LP-MACK2 69KV'	60	-0.00326	-0.22082	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'MADIX 115KV'	183	-0.00321	-0.22087	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'MATTISON 161KV'	320	-0.00202	-0.22206	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'MOORE COUNTY 115KV'	48	-0.00303	-0.22105	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OKGE	'MUSKOGEE 161KV'	166	-0.00224	-0.22184	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OKGE	'MUSKOGEE 345KV'	1516	-0.00253	-0.22155	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'MUSTANG 115KV'	300	-0.00321	-0.22087	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'MUSTANG 230KV'	360	-0.00321	-0.22087	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'NICHOLS 115KV'	147	-0.00306	-0.22102	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'NICHOLS 230KV'	147	-0.00304	-0.22104	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'NORTHEASTERN STATION 138KV'	472	-0.00238	-0.22127	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00327	-0.22171	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'OEG 345KV'	319	-0.00251	-0.22157	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OMPA	'OMPA-PONCA CITY 69KV'	117.1716	-0.00298	-0.22111	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'OZARK 161KV'	150.6	-0.00079	-0.22329	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'PENSACOLA 161KV'	33	-0.00212	-0.22196	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'PENSACOLA 69KV'	29.80457	-0.00212	-0.22196	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'PLANTX 115KV'	225.9048	-0.00318	-0.2209	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'PLANTX 230KV'	189	-0.00317	-0.22091	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00262	-0.22146	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'RIVERTON 161KV'	88.89612	-0.00186	-0.22222	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'RIVERTON 69KV'	44.39298	-0.00185	-0.22223	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'ROBERT S KERR 161KV'	314.8	-0.00142	-0.22266	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'RODEMACHER 230KV'	651	-0.00106	-0.22302	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	GRDA	'SALINA 161KV'	26.50498	-0.00221	-0.22187	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'SIKESTON 161KV'	235	-0.00015	-0.22393	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OKGE	'SOONER 138KV'	505	-0.00312	-0.22096	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	OKGE	'SOONER 345KV'	513	-0.00324	-0.22084	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	EMDE	'STATE LINE 161KV'	503	-0.00183	-0.22225	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	CELE	'TECHE 138KV'	227.5919	-0.00187	-0.22221	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00171	-0.22237	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SPS	'TOLK 230KV'	1027.49	-0.00318	-0.2209	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'TRUMAN 161KV'	102	-0.00128	-0.22028	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'TULSA POWER STATION 138KV'	38	-0.00259	-0.22149	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	SWPA	'WEBBERS FALLS 161KV'	39.2	-0.00212	-0.22196	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'WILKES 345KV'	191	-0.00103	-0.22305	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	WFEC	'ANADARKO 138KV'	286.2824	-0.00381	-0.22027	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22408	AEPW	'COMANCHE 138KV'	160	-0.00383	-0.22025	45
AEPW	'LIEBERMAN 138KV'	201.8193	-0.22						

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

AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	ONE OAK 345KV	75	-0.00347	-0.22061	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	REDBUD 345KV	100	-0.00344	-0.22064	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	SEMINOLE 138KV	479.3077	-0.00394	-0.22014	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	SEMINOLE 345KV	996	-0.00395	-0.22013	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	WFEC	SLEEPING BEAR 138KV	80	-0.00337	-0.22071	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	SLEEPING BEAR 34KV	120	-0.00338	-0.22071	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	OKGE	SMITH COGEN 138KV	120	-0.0036	-0.22048	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	SOUTHWESTERN STATION 138KV	311	-0.0038	-0.22028	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	WEATHERFORD 34KV	148	-0.00357	-0.22051	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	WELEETKA 138KV	84	-0.00341	-0.22067	45
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	SWPA	BROKEN BOW 138KV	93.6	-0.00965	-0.21443	47
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	WFEC	HUGO 138KV	450	-0.0076	-0.21648	46
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	WELSH 345KV	1044	-0.00825	-0.21583	46
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	DOLET HILLS 345KV	360	0.08637	-0.1951	51
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	WILKES 138KV	136.7419	-0.03012	-0.19396	52
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	LEBROCK 345KV	465	-0.0464	-0.17768	56
AEPW	EASTMAN 138KV	130.01	-0.08859	CELE	DOLET HILLS 345KV	360	0.08637	-0.17496	57
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	PIRKEY GENERATION 138KV	490	-0.07038	-0.1537	65
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	EASTMAN 138KV	355	-0.08859	-0.13549	74
AEPW	LEBROCK 345KV	232	-0.0464	CELE	DOLET HILLS 345KV	360	0.08637	-0.13277	75
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03308	CELE	DOLET HILLS 345KV	360	0.08637	-0.11945	84
AEPW	WILKES 138KV	326.2581	-0.03012	CELE	DOLET HILLS 345KV	360	0.08637	-0.11649	86
AEPW	LIEBERMAN 138KV	201.8193	-0.22408	AEPW	KNOXLEE 138KV	103	-0.10873	-0.11535	87
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	GREERS FERRY 161KV	93.6	0.00026	-0.10899	92
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	JOHNSBORO 161KV	43	0.00013	-0.10868	92
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	SKESTON 161KV	320	-0.00173	-0.10858	92
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	AES 161KV	320	-0.00113	-0.1076	93
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	BULL SHOALS 161KV	279.4	-0.00072	-0.10801	93
AEPW	KNOXLEE 138KV	320	-0.10873	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00109	-0.10764	93
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	D.G. HUNTER POWER STATION 138KV	86.5168	-0.00125	-0.10748	93
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	FITZHUGH 161KV	101	-0.00079	-0.10794	93
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	OZARK 161KV	150.6	-0.00079	-0.10794	93
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	RODEMACHER 230KV	651	-0.00106	-0.10767	93
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	TRUMAN 161KV	102	-0.00128	-0.10745	93
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	WILKES 345KV	181	-0.00103	-0.10777	93
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	ASBURY 161KV	181	-0.00182	-0.10788	94
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	BEAVER 161KV	139.1643	-0.00166	-0.10707	93
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	BPU - CITY OF MCPHERSON 115KV	157.1294	-0.00183	-0.1069	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	CHANUTE 69KV	55.637	-0.002	-0.10673	94
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	ELK RIVER 345KV	150	-0.00208	-0.10665	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	ELK RIVER WIND 34KV	100	-0.00208	-0.10665	94
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	EVANGELINE 138KV	141.4269	-0.00181	-0.10692	94
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	EVANGELINE 230KV	173.6403	-0.00162	-0.10711	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	FLINT CREEK 161KV	428	-0.00205	-0.10668	93
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00185	-0.10688	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00173	-0.107	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00173	-0.107	94
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	LARUSSEL 161KV	116	-0.00168	-0.10705	93
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.0017	-0.10703	93
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	MATTISON 161KV	320	-0.00202	-0.10671	94
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	RIVERTON 161KV	88.89612	-0.00186	-0.10687	94
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	RIVERTON 69KV	44.39298	-0.00185	-0.10688	94
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	ROBERT S. KERR 161KV	314.8	-0.00142	-0.10731	93
AEPW	KNOXLEE 138KV	320	-0.10873	EMDE	STATE LINE 161KV	503	-0.00183	-0.1069	94
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	TECHE 138KV	227.5919	-0.00187	-0.10686	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00171	-0.10702	94
AEPW	KNOXLEE 138KV	320	-0.10873	CELE	ACADIA 138KV	307.0811	-0.00234	-0.10639	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	COGENTRIX 345KV	300	-0.00261	-0.10612	94
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	EUFULA 138KV	51	-0.00225	-0.10648	94
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	EUFULA 161KV	69.8	-0.00225	-0.10648	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	EVANS ENERGY CENTER 138KV	565	-0.00221	-0.10652	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	GILL ENERGY CENTER 138KV	171	-0.0022	-0.10653	94
AEPW	KNOXLEE 138KV	320	-0.10873	WERE	GILL ENERGY CENTER 69KV	75	-0.0022	-0.10653	94
AEPW	KNOXLEE 138KV	320	-0.10873	GRDA	GRDA1 161KV	190	-0.00222	-0.10651	94
AEPW	KNOXLEE 138KV	320	-0.10873	GRDA	GRDA1 345KV	230	-0.00222	-0.10651	94
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	KEYSTONE DAM 161KV	150.6	-0.00258	-0.10614	94
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	MUSKOGEE 161KV	166	-0.00224	-0.10649	94
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	MUSKOGEE 345KV	1516	-0.00253	-0.1062	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	NORTHEASTERN STATION 138KV	472	-0.00238	-0.10635	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	NORTHEASTERN STATION 345KV	645	-0.00237	-0.10636	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	OEC 345KV	319	-0.00251	-0.10622	94
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	RIVERSIDE STATION 138KV	422	-0.00262	-0.10611	94
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	BLACKHAWK 115KV	220	-0.00305	-0.10568	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	CUNNINGHAM 115KV	181	-0.00321	-0.10552	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	CUNNINGHAM 230KV	308	-0.0032	-0.10553	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	FELWIND2 345KV	102	-0.00337	-0.10536	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	HARRINGTON 230KV	1066	-0.00304	-0.10569	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	HORSESHOE LAKE 138KV	769.0196	-0.00356	-0.10517	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	JONES 230KV	486	-0.00326	-0.10547	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	LP-MACK2 69KV	60	-0.00326	-0.10547	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	MADOX 115KV	183	-0.00321	-0.10552	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	MCLLAIN 138KV	478	-0.00365	-0.10508	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	MOORE COUNTY 115KV	48	-0.00303	-0.1057	95
AEPW	KNOXLEE 138KV	320	-0.10873	WFEC	MORLND 138KV	298.512	-0.00337	-0.10536	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	MUSTANG 115KV	300	-0.00321	-0.10536	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	MUSTANG 138KV	365.5	-0.00358	-0.10515	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	MUSTANG 230KV	360	-0.00321	-0.10552	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	MUSTANG 69KV	106	-0.00358	-0.10515	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	NICHOLS 115KV	147	-0.00306	-0.10567	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	NICHOLS 230KV	147	-0.00304	-0.10569	95
AEPW	KNOXLEE 138KV	320	-0.10873	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00298	-0.10575	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	ONE OAK 345KV	75	-0.00347	-0.10526	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	PLANTX 115KV	225.9048	-0.00318	-0.10555	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	PLANTX 230KV	189	-0.00317	-0.10556	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	REDBUD 345KV	100	-0.00344	-0.10529	95
AEPW	KNOXLEE 138KV	320	-0.10873	WFEC	SLEEPING BEAR 138KV	80	-0.00337	-0.10536	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SLEEPING BEAR 34KV	120	-0.00338	-0.10535	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SMITH COGEN 138KV	120	-0.0036	-0.10513	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SOONER 138KV	505	-0.00312	-0.10561	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SOONER 345KV	513	-0.00324	-0.10549	95
AEPW	KNOXLEE 138KV	320	-0.10873	SPS	TOLK 230KV	1027.49	-0.00318	-0.10555	95
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	WEATHERFORD 34KV	148	-0.00357	-0.10516	95
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	WELEETKA 138KV	84	-0.00341	-0.10532	95
AEPW	KNOXLEE 138KV	320	-0.10873	WFEC	ANADARKO 138KV	286.2824	-0.00381	-0.10492	95
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	COMANCHE 138KV	160	-0.00383	-0.1049	95
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	COMANCHE 69KV	63	-0.00384	-0.10489	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SEMINOLE 138KV	479.3077	-0.00394	-0.10479	95
AEPW	KNOXLEE 138KV	320	-0.10873	OKGE	SEMINOLE 345KV	996	-0.00395	-0.10478	96
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	SOUTHWESTERN STATION 138KV	311	-0.0038	-0.10493	95
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	DENISON 138KV	59.59999	-0.00496	-0.10377	96
AEPW	KNOXLEE 138KV	320	-0.10873	WFEC	HUGO 138KV	450	-0.0076	-0.10113	99
AEPW	TURK 138KV	608	-0.01483	CELE	DOLET HILLS 345KV	360	0.08637	-0.1012	99
AEPW	KNOXLEE 138KV	320	-0.10873	AEPW	WELSH 345KV	1044	-0.00825	-0.10048	100
AEPW	KNOXLEE 138KV	320	-0.10873	SWPA	BROKEN BOW 138KV	93.6	-0.00965	-0.09908	101
AEPW	KIOWA 345KV	1348	-0.00481	CELE	DOLET HILLS 345KV	360	0.08637	-0.09118	110
WFEC	ANADARKO 89KV	76	-0.00379	CELE	DOLET HILLS 345KV	360	0.08637	-0.09018	111

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

SPS	LP-HOLL 69KV	132	-0.00326	CELE	DOLET HILLS 345KV	360	0.08637	-0.08963	112
OKGE	ONE OAK 345KV	261	-0.00347	CELE	DOLET HILLS 345KV	360	0.08637	-0.08984	111
OKGE	RED ROCK 345KV	1050	-0.00324	CELE	DOLET HILLS 345KV	360	0.08637	-0.08961	112
OKGE	REDBUD 345KV	1100	-0.00344	CELE	DOLET HILLS 345KV	360	0.08637	-0.08981	111
AEWP	SOUTHWESTERN STATION 138KV	448	-0.0038	CELE	DOLET HILLS 345KV	360	0.08637	-0.08917	111
OKGE	TINKER 50 138KV	62	-0.00368	CELE	DOLET HILLS 345KV	360	0.08637	-0.09005	111
AEWP	WELEETKA 138KV	58	-0.00341	CELE	DOLET HILLS 345KV	360	0.08637	-0.08978	111
SPS	NICHOLS 115KV	66.00001	-0.00306	CELE	DOLET HILLS 345KV	360	0.08637	-0.08943	112
SPS	NICHOLS 230KV	97	-0.00304	CELE	DOLET HILLS 345KV	360	0.08637	-0.08941	112
OMPA	OMPA-PONCA CITY 69KV	89.66048	-0.00298	CELE	DOLET HILLS 345KV	360	0.08637	-0.08935	112
SPS	TOLK 230KV	52.51041	-0.00318	CELE	DOLET HILLS 345KV	360	0.08637	-0.08955	112
CELE	ACADIA 138KV	814.9189	-0.00234	CELE	DOLET HILLS 345KV	360	0.08637	-0.08871	112
AEWP	COGENTRIX 345KV	594	-0.00261	CELE	DOLET HILLS 345KV	360	0.08637	-0.08898	113
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	GREERS FERRY 161KV	93.6	0.00206	-0.08885	113
WERE	EVANS ENERGY CENTER 138KV	162	-0.00221	CELE	DOLET HILLS 345KV	360	0.08637	-0.08858	113
AEWP	MID-CONTINENT 138KV	142	-0.00226	CELE	DOLET HILLS 345KV	360	0.08637	-0.08863	113
AEWP	OEC 345KV	1828.03	-0.00251	CELE	DOLET HILLS 345KV	360	0.08637	-0.08888	113
AEWP	RIVER SIDE 138KV	172	-0.00262	CELE	DOLET HILLS 345KV	360	0.08637	-0.08899	112
AEWP	RIVERSIDE STATION 138KV	300	-0.00262	CELE	DOLET HILLS 345KV	360	0.08637	-0.08899	112
GRDA	SALINA 161KV	71.49512	-0.00221	CELE	DOLET HILLS 345KV	360	0.08637	-0.08858	113
AEWP	TULSA POWER STATION 138KV	256	-0.00259	CELE	DOLET HILLS 345KV	360	0.08637	-0.08896	112
AEWP	TULSA POWER STATION 69KV	80	-0.00259	CELE	DOLET HILLS 345KV	360	0.08637	-0.08896	112
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	SIKESTON 161KV	235	-0.00115	-0.08844	113
WERE	EMPORIA 345KV	828	-0.00184	CELE	DOLET HILLS 345KV	360	0.08637	-0.08821	113
CELE	EVANGELINE 138KV	170.5731	-0.00181	CELE	DOLET HILLS 345KV	360	0.08637	-0.08918	113
CELE	EVANGELINE 230KV	251.3597	-0.00162	CELE	DOLET HILLS 345KV	360	0.08637	-0.08795	114
WERE	HUTCHINSON ENERGY CENTER 115KV	141	-0.00185	CELE	DOLET HILLS 345KV	360	0.08637	-0.08822	113
EMDE	LARUSSEL 161KV	180	-0.00168	CELE	DOLET HILLS 345KV	360	0.08637	-0.08805	114
AEWP	MATTISON 161KV	190	-0.00202	CELE	DOLET HILLS 345KV	360	0.08637	-0.08839	113
EMDE	RIVERTON 161KV	233.1039	-0.00186	CELE	DOLET HILLS 345KV	360	0.08637	-0.08823	113
EMDE	STATE LINE 161KV	103	-0.00183	CELE	DOLET HILLS 345KV	360	0.08637	-0.0882	113
CELE	TECHE 138KV	94.40805	-0.00187	CELE	DOLET HILLS 345KV	360	0.08637	-0.08824	113
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	AE 161KV	320	-0.00113	-0.08746	114
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	BULL SHOALS 161KV	278.4	-0.00072	-0.08787	114
AEWP	EASTMAN 138KV	130.01	-0.08859	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00109	-0.0875	114
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	FITZ-HUGH 161KV	101	-0.00079	-0.0877	114
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	OZARK 161KV	150.6	-0.00079	-0.0878	114
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	RODEMACHER 230KV	651	-0.00106	-0.08763	114
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	WILKES 345KV	191	-0.00103	-0.08756	114
SWPA	ROBERT S. KERR 161KV	73.90001	-0.00142	CELE	DOLET HILLS 345KV	360	0.08637	-0.08779	114
CELE	RODEMACHER 230KV	66	-0.00106	CELE	DOLET HILLS 345KV	360	0.08637	-0.08743	114
SWPA	TRUMAN 161KV	78.00002	-0.00128	CELE	DOLET HILLS 345KV	360	0.08637	-0.08765	114
AEWP	WILKES 345KV	120	-0.00103	CELE	DOLET HILLS 345KV	360	0.08637	-0.0874	114
SWPA	BULL SHOALS 161KV	110.2	-0.00072	CELE	DOLET HILLS 345KV	360	0.08637	-0.08709	115
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	BEAVER 161KV	139.1643	-0.00166	-0.08693	115
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	D G HUNTER POWER STATION 138KV	86.5168	-0.00125	-0.08734	115
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	EVANGELINE 230KV	173.6403	-0.00162	-0.08697	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.00173	-0.08686	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.00173	-0.08686	115
AEWP	EASTMAN 138KV	130.01	-0.08859	EMDE	LARUSSEL 161KV	116	-0.00168	-0.08691	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.0017	-0.08689	115
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	ROBERT S. KERR 161KV	314.8	-0.00142	-0.08717	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00171	-0.08688	115
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	TRUMAN 161KV	102	-0.00128	-0.08731	115
AEWP	EASTMAN 138KV	130.01	-0.08859	EMDE	ASBURY 161KV	131	-0.00162	-0.08677	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	BPU - CITY OF MCPHERSON 115KV	157.1294	-0.00183	-0.08678	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	CHANUTE 69KV	55.637	-0.002	-0.08659	116
AEWP	EASTMAN 138KV	130.01	-0.08859	EMDE	ELK RIVER 345KV	150	-0.00208	-0.08651	116
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	ELK RIVER WIND 34KV	100	-0.00208	-0.08651	116
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	EUFULA 161KV	69.8	-0.00225	-0.08634	116
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	EVANGELINE 138KV	141.4269	-0.00181	-0.08678	115
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	EVANS ENERGY CENTER 138KV	565	-0.00221	-0.08638	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	FLINT CREEK 161KV	428	-0.00205	-0.08654	116
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	GILL ENERGY CENTER 138KV	171	-0.0022	-0.08639	116
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	GILL ENERGY CENTER 69KV	75	-0.0022	-0.08639	116
AEWP	EASTMAN 138KV	130.01	-0.08859	GRDA	GRDA1 161KV	190	-0.0022	-0.08637	116
AEWP	EASTMAN 138KV	130.01	-0.08859	GRDA	GRDA1 345KV	220	-0.00222	-0.08637	116
AEWP	EASTMAN 138KV	130.01	-0.08859	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00185	-0.08674	115
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	MATTISON 161KV	320	-0.00202	-0.08657	116
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	MUSKOGEE 161KV	166	-0.00224	-0.08635	116
AEWP	EASTMAN 138KV	130.01	-0.08859	EMDE	RIVERTON 161KV	88.89612	-0.00186	-0.08673	115
AEWP	EASTMAN 138KV	130.01	-0.08859	EMDE	STATE LINE 161KV	503	-0.00183	-0.08676	115
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	TECHE 138KV	227.5919	-0.00187	-0.08672	115
AEWP	EASTMAN 138KV	130.01	-0.08859	CELE	ACADIA 138KV	307.0811	-0.00234	-0.08625	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	COGENTRIX 345KV	300	-0.00261	-0.08598	116
AEWP	EASTMAN 138KV	130.01	-0.08859	SWPA	KEYSTONE DAM 161KV	150.6	-0.00259	-0.086	116
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	MUSKOGEE 345KV	1516	-0.00253	-0.08606	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	NORTHEASTERN STATION 138KV	472	-0.00238	-0.08621	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	NORTHEASTERN STATION 345KV	645	-0.00237	-0.08622	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	OEC 345KV	319	-0.00251	-0.08608	116
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	RIVERSIDE STATION 138KV	422	-0.00262	-0.08597	116
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	BLACKHAWK 115KV	220	-0.00305	-0.08554	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	CUNNINGHAM 115KV	181	-0.00321	-0.08538	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	CUNNINGHAM 230KV	306	-0.0032	-0.08539	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	HARRINGTON 230KV	1086	-0.00304	-0.08555	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	JONES 230KV	486	-0.00326	-0.08533	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	LP-MACK2 69KV	60	-0.00326	-0.08533	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	MADOX 115KV	183	-0.00321	-0.08538	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	MUSTANG 115KV	300	-0.00321	-0.08538	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	MUSTANG 230KV	360	-0.00321	-0.08538	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	NICHOLS 115KV	147	-0.00306	-0.08553	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	NICHOLS 230KV	147	-0.00304	-0.08555	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00298	-0.08561	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	PLANTX 115KV	225.9048	-0.00318	-0.08541	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	PLANTX 230KV	189	-0.00317	-0.08542	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	SOONER 138KV	505	-0.00312	-0.08547	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	SOONER 345KV	513	-0.00324	-0.08535	117
AEWP	EASTMAN 138KV	130.01	-0.08859	SPS	TOLK 230KV	1027.49	-0.00318	-0.08541	117
AEWP	EASTMAN 138KV	130.01	-0.08859	WFEC	ANADARKO 138KV	286.2824	-0.00381	-0.08478	118
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	COMANCHE 138KV	160	-0.00383	-0.08476	118
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	COMANCHE 69KV	63	-0.00384	-0.08475	118
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	FPLWIND2 34KV	102	-0.00337	-0.08522	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	HORSESHOE LAKE 138KV	769.0186	-0.00356	-0.08503	118
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	MCCLAIN 138KV	478	-0.00365	-0.08494	118
AEWP	EASTMAN 138KV	130.01	-0.08859	WFEC	MICORD 138KV	298.512	-0.00337	-0.08522	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	MUSTANG 138KV	365.5	-0.00358	-0.08501	118
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	MUSTANG 69KV	106	-0.00358	-0.08501	118
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	ONE OAK 345KV	75	-0.00347	-0.08512	118
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	REDBUD 345KV	100	-0.00344	-0.08515	118
AEWP	EASTMAN 138KV	130.01	-0.08859	WFEC	SLEEPING BEAR 138KV	80	-0.00337	-0.08522	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	SLEEPING BEAR 34KV	120	-0.00338	-0.08521	117
AEWP	EASTMAN 138KV	130.01	-0.08859	OKGE	SMITH COGEN 138KV	120	-0.0036	-0.08499	118
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	SOUTHWESTERN STATION 138KV	311	-0.0038	-0.08479	118
AEWP	EASTMAN 138KV	130.01	-0.08859	AEWP	WEATHERFORD 34KV	148</			

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

Source	Sink	Maximum Decrement (MW)	GSF	Factor	Aggregate Relief Amount (MW)
AEPW 'EASTMAN 138KV'	130.01 -0.08859 AEPW 'WELSH 345KV'	10.44	-0.00825	-0.08034	125
AEPW 'EASTMAN 138KV'	130.01 -0.08859 SWPA 'BROKEN BOW 138KV'	93.6	-0.00965	-0.07894	127
AEPW 'KNOXLEE 138KV'	320 -0.10873 AEPW 'WILKES 138KV'	136.7419	-0.03012	-0.07861	127
AEPW 'KNOXLEE 138KV'	320 -0.10873 AEPW 'LEBROCK 345KV'	465	-0.0464	-0.06233	161
AEPW 'EASTMAN 138KV'	130.01 -0.08859 AEPW 'WILKES 138KV'	136.7419	-0.03012	-0.05847	171
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'SKESTON 161KV'	235	-0.00015	-0.04623	216
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'BULL SHOALS 161KV'	279.4	-0.00072	-0.04568	219
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'OZARK 161KV'	150.6	-0.00079	-0.04561	219
AEPW 'LEBROCK 345KV'	232 -0.0464 CELE 'RODEMACHER 230KV'	651	-0.01006	-0.04534	221
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'WILKES 345KV'	191	-0.00103	-0.04537	221
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'AES 161KV'	320	-0.00113	-0.04527	221
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'ROBERT S. KERR 161KV'	314.8	-0.00142	-0.04498	222
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'BEAVER 161KV'	139.1643	-0.00166	-0.04474	222
AEPW 'LEBROCK 345KV'	232 -0.0464 CELE 'EVANGELINE 230KV'	173.6403	-0.00162	-0.04478	223
AEPW 'LEBROCK 345KV'	232 -0.0464 CELE 'EVANGELINE 138KV'	141.4259	-0.00181	-0.04459	224
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'JEFFREY ENERGY CENTER 230KV'	470	-0.00173	-0.04467	224
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'JEFFREY ENERGY CENTER 345KV'	940	-0.00173	-0.04467	224
AEPW 'LEBROCK 345KV'	232 -0.0464 EMDE 'LARUSSEL 161KV'	116	-0.00168	-0.04472	224
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'LAWRENCE ENERGY CENTER 230KV'	231.5762	-0.0017	-0.0447	224
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'TECUMSEH ENERGY CENTER 115KV'	158	-0.00171	-0.04469	224
AEPW 'LEBROCK 345KV'	232 -0.0464 EMDE 'ASBURY 161KV'	191	-0.00182	-0.04458	224
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.00183	-0.04457	225
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00185	-0.04455	225
AEPW 'LEBROCK 345KV'	232 -0.0464 EMDE 'STATE LINE 161KV'	503	-0.00183	-0.04457	225
AEPW 'LEBROCK 345KV'	232 -0.0464 CELE 'TECHE 138KV'	227.5919	-0.00187	-0.04453	225
AEPW 'LEBROCK 345KV'	232 -0.0464 EMDE 'TEK RIVER 345KV'	150	-0.00208	-0.04432	226
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'FLINT CREEK 161KV'	428	-0.00205	-0.04435	226
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'MATTISON 161KV'	320	-0.00202	-0.04438	225
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'EVANS ENERGY CENTER 138KV'	565	-0.00221	-0.04419	226
AEPW 'LEBROCK 345KV'	232 -0.0464 WERE 'GILL ENERGY CENTER 138KV'	171	-0.0022	-0.0442	226
AEPW 'LEBROCK 345KV'	232 -0.0464 GRDA 'GRDA1 161KV'	190	-0.00222	-0.04418	227
AEPW 'LEBROCK 345KV'	232 -0.0464 GRDA 'GRDA1 345KV'	220	-0.00222	-0.04418	227
AEPW 'LEBROCK 345KV'	232 -0.0464 CELE 'ACADIA 138KV'	307.0811	-0.00234	-0.04406	227
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'MUSKOGEE 161KV'	166	-0.00224	-0.04416	227
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'NORTHEASTERN STATION 345KV'	695	-0.00237	-0.04403	227
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'NORTHEASTERN STATION 138KV'	472	-0.00238	-0.04402	227
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'OEC 345KV'	319	-0.00251	-0.04389	228
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'COGENTRIX 345KV'	300	-0.00261	-0.04379	229
AEPW 'LEBROCK 345KV'	232 -0.0464 SWPA 'KEYSTONE DAM 161KV'	150.6	-0.00259	-0.04381	228
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'MUSKOGEE 345KV'	1516	-0.00253	-0.04387	228
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'RIVERSIDE STATION 138KV'	422	-0.00262	-0.04378	229
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'BLACKHAWK 115KV'	220	-0.00305	-0.04335	231
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'HARRINGTON 230KV'	1066	-0.00304	-0.04336	231
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'NICHOLS 230KV'	147	-0.00304	-0.04336	231
AEPW 'LEBROCK 345KV'	232 -0.0464 OMPA 'ONPA-PONCA CITY 69KV'	117.1716	-0.00328	-0.04342	230
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'NICHOLS 115KV'	147	-0.00306	-0.04334	231
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'PLANTX 115KV'	225.9048	-0.00318	-0.04322	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'PLANTX 230KV'	189	-0.00317	-0.04323	231
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SOONER 138KV'	505	-0.00312	-0.04328	231
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'TOLK 230KV'	1027.49	-0.00318	-0.04322	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'CUNNINGHAM 115KV'	181	-0.00321	-0.04319	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'CUNNINGHAM 230KV'	306	-0.0032	-0.0432	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'JONES 230KV'	486	-0.00326	-0.04314	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'MADOX 115KV'	183	-0.00321	-0.04319	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'MUSTANG 115KV'	300	-0.00321	-0.04319	232
AEPW 'LEBROCK 345KV'	232 -0.0464 SPS 'MUSTANG 230KV'	360	-0.00321	-0.04319	232
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SOONER 345KV'	513	-0.00324	-0.04316	232
AEPW 'LEBROCK 345KV'	232 -0.0464 WFEC 'MORLND 138KV'	298.512	-0.00337	-0.04303	233
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SLEEPING BEAR 34KV'	120	-0.00338	-0.04302	233
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'HORSESHOE LAKE 138KV'	769.0186	-0.00356	-0.04284	234
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'MUSTANG 138KV'	365.5	-0.00358	-0.04282	234
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'WEATHERFORD 34KV'	148	-0.00357	-0.04283	234
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'MCCLAIN 138KV'	478	-0.00365	-0.04275	234
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SMITH COGEN 138KV'	120	-0.0036	-0.0428	234
AEPW 'LEBROCK 345KV'	232 -0.0464 WFEC 'ANADARKO 138KV'	286.2824	-0.00381	-0.04259	235
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'COMANCHE 138KV'	160	-0.00383	-0.04257	235
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'SOUTHWESTERN STATION 138KV'	311	-0.0038	-0.0426	235
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SEMINOLE 138KV'	479.3077	-0.00394	-0.04246	236
AEPW 'LEBROCK 345KV'	232 -0.0464 OKGE 'SEMINOLE 345KV'	996	-0.00395	-0.04245	236
AEPW 'EASTMAN 138KV'	130.01 -0.08859 AEPW 'LEBROCK 345KV'	465	-0.0464	-0.04219	237
AEPW 'LEBROCK 345KV'	232 -0.0464 WFEC 'HUGO 138KV'	450	-0.0076	-0.0388	258
AEPW 'KNOXLEE 138KV'	320 -0.10873 AEPW 'PIRKEY GENERATION 138KV'	490	-0.07038	-0.03835	261
AEPW 'LEBROCK 345KV'	232 -0.0464 AEPW 'WELSH 345KV'	1044	-0.00825	-0.03815	262

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: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 DISPLACEMENT
 Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2
 Direction: From->To
 Line Outage: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1
 Flowgate: SWSHV227422SWSSHV17411408SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
1158760	0.7	1.5	AEPW	'ARSENAL HILL 69KV'	99	-0.38429	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.4691	3
1158761	0.7	1.5	AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00175	-0.38254	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	CELE	'ACADIA 138KV'	307.0811	-0.0023	-0.38199	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	OKGE	'AES 161KV'	320	-0.00111	-0.38318	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WFEC	'ANADARKO 138KV'	286.2824	-0.00374	-0.38055	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	EMDE	'ASBURY 161KV'	191	-0.00179	-0.3825	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	LEPA	'BAYOU RAMOS 138KV'	29.82431	-0.00153	-0.38276	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SWPA	'BEAVER 161KV'	139.1643	-0.00163	-0.38266	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SPS	'BLACKHAWK 115KV'	220	-0.00299	-0.3813	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	GRDA	'BOOMER 69KV'	24	-0.00292	-0.38137	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.0018	-0.38249	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SWPA	'BROKEN BOW 138KV'	93.6	-0.00947	-0.37482	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SWPA	'BULL SHOALS 161KV'	279.4	-0.0007	-0.38359	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SPS	'CAPROCK 115KV'	32	-0.00312	-0.38117	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SWPA	'CARTHAGE 69KV'	8	-0.00171	-0.38256	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CHANUTE 69KV'	55.637	-0.00196	-0.38233	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00213	-0.38216	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00193	-0.38236	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF ERIE 69KV'	23.374	-0.00196	-0.38233	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF FREDONIA 69KV'	3.596	-0.00202	-0.38227	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF GIRARD 69KV'	4.592	-0.00186	-0.38243	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00107	-0.38322	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF IOLA 69KV'	24.471	-0.00192	-0.38237	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF MILVANE 69KV'	8.29	-0.00215	-0.38214	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF NICODESHA 69KV'	4.4495	-0.00204	-0.38225	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00242	-0.38187	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.0091	-0.38338	4
			AEPW	'ARSENAL HILL 69KV'	99	-0.38429	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	-0.00193	-0.38236	4

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

AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	COGENTRIX 345KV	300	-0.00256	-0.38173	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	COMANCHE 138KV	160	-0.00376	-0.38053	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	COMANCHE 69KV	63	-0.00377	-0.38052	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	CUNNINGHAM 115KV	181	-0.00315	-0.38114	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	CUNNINGHAM 230KV	306	-0.00315	-0.38114	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	CZ 69KV	39	-0.00304	-0.38125	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	D.G. HUNTER POWER STATION 138KV	86.5168	-0.00123	-0.38306	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	DENISON 138KV	59.99999	-0.00487	-0.37942	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	ELK RIVER 345KV	150	-0.00204	-0.38225	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	ELK RIVER WIND 34KV	100	-0.00204	-0.38225	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	EUFULA 138KV	51	-0.00221	-0.38208	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	EUFULA 161KV	69.8	-0.00221	-0.38208	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	EVANGELINE 138KV	141.4269	-0.00178	-0.38251	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	EVANGELINE 230KV	173.6403	-0.0016	-0.38269	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	EVANS ENERGY CENTER 138KV	565	-0.00217	-0.38212	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	FITZHUGH 161KV	101	-0.00078	-0.38351	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	FLINT CREEK 161KV	428	-0.00201	-0.38228	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	FPLWIND2 34KV	102	-0.00331	-0.38098	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	LEPA	FROGSTATION 69KV	3	-0.002	-0.38229	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	GILL ENERGY CENTER 138KV	171	-0.00216	-0.38213	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	GILL ENERGY CENTER 69KV	75	-0.00216	-0.38213	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	GRDA1 161KV	190	-0.00218	-0.38211	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	GRDA1 345KV	220	-0.00218	-0.38211	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	GREERS FERRY 161KV	93.6	-0.00206	-0.38456	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	HARRINGTON 230KV	1066	-0.00299	-0.3813	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	HORSESHOE LAKE 138KV	769.0186	-0.0035	-0.38079	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	HORSESHOE LAKE 69KV	16	-0.0035	-0.38079	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	HUBRCO2 69KV	11	-0.00299	-0.3813	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WFEC	HUGO 138KV	450	-0.00747	-0.37682	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00182	-0.38247	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00182	-0.38247	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	INDEPENDENCE 161KV	13	0.00022	-0.38451	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	LEPA	IRION SUB 230KV	25	-0.00104	-0.38325	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	JEFFREY ENERGY CENTER 230KV	970	-0.0017	-0.38259	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	JEFFREY ENERGY CENTER 345KV	440	-0.0017	-0.38259	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	JONES 230KV	486	-0.0032	-0.38109	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	JONESBORO 161KV	43	0.00013	-0.38442	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	KENNETT 69KV	7.5	0	-0.38429	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	KERR 115KV	13.5	-0.00216	-0.38213	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	KERR 161KV	13.5	-0.00217	-0.38212	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	KEYSTONE DAM 161KV	150.6	-0.00254	-0.38175	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	L&D13 69KV	11	-0.00115	-0.38314	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	LARUSSEL 161KV	116	-0.00165	-0.38264	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.00167	-0.38262	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	LEBOCK 345KV	455	-0.00458	-0.33873	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	LP-BRD2 69KV	20	-0.0032	-0.38109	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	LP-MACK2 69KV	60	-0.0032	-0.38109	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	MADOX 115KV	183	-0.00315	-0.38114	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	MALDEN 69KV	7	-0.00005	-0.38424	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	MATTISON 161KV	320	-0.00198	-0.38231	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	MCCLEIN 138KV	478	-0.00358	-0.38071	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	MOORE COUNTY 115KV	48	-0.00298	-0.38131	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WFEC	MORLND 138KV	298.512	-0.00331	-0.38098	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	MUSKOGEE 161KV	166	-0.0022	-0.38209	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	MUSKOGEE 345KV	1516	-0.00248	-0.38181	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	MUSTANG 115KV	300	-0.00315	-0.38114	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	MUSTANG 138KV	365.5	-0.00352	-0.38077	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	MUSTANG 230KV	360	-0.00315	-0.38114	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	MUSTANG 69KV	106	-0.00351	-0.38078	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	NARROWS 69KV	22	-0.0133	-0.37099	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	NATCHITOCHE 69KV	16.92836	0.00134	-0.38563	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	NICHOLS 115KV	147	-0.003	-0.38129	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	NICHOLS 230KV	147	-0.00299	-0.3813	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	NORTHEASTERN STATION 138KV	472	-0.00233	-0.38196	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	NORTHEASTERN STATION 345KV	645	-0.00233	-0.38196	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	OEC 345KV	319	-0.00246	-0.38183	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OMPA	OMPA-KAW 69KV	19.7	-0.00292	-0.38137	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00292	-0.38137	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	ONE OAK 345KV	75	-0.00341	-0.38088	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	OZARK 161KV	150.6	-0.00077	-0.38352	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	OZARK BEACH 161KV	16	-0.00124	-0.38305	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	PARAGOULD 69KV	5.5	0.00007	-0.38436	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	PENSACOLA 161KV	33	-0.00208	-0.38221	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	PENSACOLA 69KV	29.80457	-0.00208	-0.38221	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	PLANTX 115KV	225.9048	-0.00312	-0.38117	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	PLANTX 230KV	189	-0.00312	-0.38117	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	REDBUD 345KV	100	-0.00338	-0.38091	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	RIVERSIDE STATION 138KV	422	-0.00258	-0.38171	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	RIVERTON 161KV	88.89612	-0.00182	-0.38247	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.38248	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	ROBERT S. KERR 161KV	314.8	-0.00139	-0.3829	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	RODEMACHER 230KV	651	-0.00104	-0.38325	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	GRDA	SALINA 161KV	26.50488	-0.00217	-0.38212	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	SAN JUAN 230KV	112	-0.00313	-0.38116	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SEMINOLE 138KV	479.3077	-0.00367	-0.38042	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SEMINOLE 345KV	996	-0.00388	-0.38041	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	SIDRCH 69KV	20	-0.00299	-0.3813	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	SIKESTON 161KV	235	-0.00014	-0.38415	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WFEC	SLEEPING BEAR 138KV	80	-0.00331	-0.38098	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SLEEPING BEAR 34KV	120	-0.00332	-0.38097	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SMITH COGEN 138KV	120	-0.00353	-0.38076	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SOONER 138KV	505	-0.00306	-0.38123	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	OKGE	SOONER 345KV	513	-0.00318	-0.38111	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	SOUTHWESTERN STATION 138KV	511	-0.00373	-0.38056	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	EMDE	STATE LINE 161KV	303	-0.0018	-0.38249	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	STEER WATER 115KV	8	-0.00302	-0.38127	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	CELE	TECHE 138KV	227.519	-0.00183	-0.38246	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00168	-0.38261	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	TOLK 230KV	1027.49	-0.00313	-0.38116	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	TRUMAN 161KV	102	-0.00126	-0.38303	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	TULSA POWER STATION 138KV	38	-0.00255	-0.38174	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	WERE	WACO 138KV	17.967	-0.00216	-0.38213	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	LEPA	WATERLOO SUB 230KV	6	-0.00106	-0.38323	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	WEATHERFORD 34KV	148	-0.0035	-0.38079	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SWPA	WEBBERS FALLS 161KV	39.2	-0.00208	-0.38221	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	WELETTA 138KV	84	-0.00334	-0.38095	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	WELSH 345KV	1044	-0.0081	-0.37619	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	WILKES 138KV	136.7419	-0.02958	-0.35471	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	WILKES 345KV	191	-0.0102	-0.38327	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	SPS	WILWIND 230KV	16	-0.00299	-0.3813	4
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	EASTMAN 138KV	355	-0.08699	-0.2973	5
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	PIRKEY GENERATION 138KV	490	-0.06911	-0.31518	5
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	DOLET HILLS 345KV	360	-0.08481	-0.30485	5
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	KNOXLEE 138KV	103	-0.16677	-0.27752	5
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00175	-0.21829	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	ACADIA 138KV	307.0811	-0.0023	-0.2174	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	AES 161KV	320	-0.00111	-0.21893	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WFEC	ANADARKO 138KV	286.2824	-0.00374	-0.21663	7
AEPW	LIEBERMAN 138KV	201.8193	-						

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

AEPW	LIEBERMAN 138KV	201.8193	-0.22004	LEPA	BAYOU RAMOS 138KV	29.82431	-0.00153	-0.21851	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	BEAVER 161KV	139.1643	-0.00163	-0.21841	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	BLACKHAWK 115KV	220	-0.00299	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	BOOMER 69KV	24	-0.00292	-0.21712	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	BRU CITY OF MCPHERSON 115KV	157.1294	-0.0018	-0.21624	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	BROKEN BOW 138KV	83.6	-0.00947	-0.21957	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	BULL SHOALS 161KV	279.4	-0.0007	-0.21934	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	CAPROCK 115KV	8	-0.00312	-0.21992	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	CARTHAGE 69KV	32	-0.00171	-0.21833	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CHANUTE 69KV	56.637	-0.00196	-0.21808	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF AUGUSTA 69KV	24	-0.00213	-0.21791	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00193	-0.21811	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF ERIE 69KV	23.374	-0.00196	-0.21808	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF FREDONIA 69KV	3.596	-0.00202	-0.21802	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF GIRARD 69KV	4.592	-0.00188	-0.21818	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00107	-0.21897	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF IOLA 69KV	24.471	-0.00192	-0.21812	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF MULVANE 69KV	8.29	-0.00215	-0.21789	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF NEODESHA 69KV	4.495	-0.00204	-0.218	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	CITY OF WINFIELD 69KV	26.77	-0.00242	-0.21762	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00091	-0.21913	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00193	-0.21811	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	COGENTRIX 345KV	300	-0.00256	-0.21748	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	COMANCHE 138KV	160	-0.00376	-0.21628	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	COMANCHE 69KV	63	-0.00377	-0.21627	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	CUNNINGHAM 115KV	181	-0.00259	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	CUNNINGHAM 230KV	306	-0.00315	-0.21689	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	CZ 69KV	39	-0.00304	-0.217	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	D.G. HUNTER POWER STATION 138KV	86.5168	-0.00123	-0.21881	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	DENISON 138KV	59.99999	-0.00487	-0.21517	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	EMDE	ELK RIVER 345KV	150	-0.00204	-0.218	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	ELK RIVER WIND 34KV	100	-0.00204	-0.218	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	EUFAULA 138KV	51	-0.00221	-0.21783	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	EUFAULA 161KV	69.8	-0.00221	-0.21783	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	EVANGELINE 138KV	141.42899	-0.00178	-0.21826	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	EVANGELINE 230KV	173.803	-0.0017	-0.21844	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	EVANS ENERGY CENTER 138KV	585	-0.00217	-0.21787	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	FITZHUGH 161KV	101	-0.00078	-0.21928	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	FLINT CREEK 161KV	428	-0.00201	-0.21803	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	FPLWIND2 34KV	102	-0.00331	-0.21673	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	GILL ENERGY CENTER 138KV	171	-0.00216	-0.21788	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	GILL ENERGY CENTER 69KV	75	-0.00216	-0.21788	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	GRDA1 161KV	190	-0.00218	-0.21786	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	GRDA1 345KV	220	-0.00218	-0.21786	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	GREENS FERRY 161KV	83.6	-0.00328	-0.2203	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	HARRINGTON 230KV	1066	-0.00299	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	HORSESHOE LAKE 138KV	769.0189	-0.0035	-0.21654	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	HORSESHOE LAKE 69KV	16	-0.0035	-0.21654	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	HUBRCO2 69KV	11	-0.00299	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WFEC	HUGO 138KV	450	-0.00747	-0.21257	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00182	-0.21822	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00182	-0.21822	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	INDEPENDENCE 161KV	13	-0.00222	-0.22026	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	LEPA	IRION SUB 230KV	25	-0.00104	-0.219	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0017	-0.21834	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0017	-0.21834	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	JONES 230KV	486	-0.0032	-0.21684	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	JONESBORO 161KV	43	-0.00013	-0.22017	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	KENNETT 69KV	7.5	0	-0.22004	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	KERR 115KV	13.5	-0.00216	-0.21788	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	KERR 161KV	13.5	-0.00217	-0.21787	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	KEYSTONE DAM 161KV	150.6	-0.00254	-0.2175	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	L&D13 69KV	11	-0.00115	-0.21889	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	EMDE	LARUSSEL 161KV	116	-0.00165	-0.21839	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.00167	-0.21837	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	LP-BRD2 69KV	20	-0.0032	-0.21684	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	LP-MACK2 69KV	60	-0.0032	-0.21684	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	MADOX 115KV	183	-0.00315	-0.21689	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	MALDEN 69KV	7	-0.00005	-0.21999	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	MATTISON 161KV	320	-0.00198	-0.21806	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	MCCLAIN 138KV	478	-0.00358	-0.21646	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	MOORE COUNTY 115KV	48	-0.00298	-0.21706	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WFEC	MORLND 138KV	298.512	-0.00331	-0.21673	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	MUSKOGEE 161KV	166	-0.0022	-0.21784	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	MUSKOGEE 345KV	1818	-0.00248	-0.21756	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	MUSTANG 115KV	300	-0.00315	-0.21689	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	MUSTANG 138KV	365.5	-0.00352	-0.21652	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	MUSTANG 230KV	360	-0.00315	-0.21689	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	MUSTANG 69KV	106	-0.00351	-0.21653	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	NARROWS 69KV	22	-0.0133	-0.20674	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	NATCHITOCHE 69KV	16.92836	0.00134	-0.22138	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	NICHOLS 115KV	147	-0.003	-0.21704	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	NICHOLS 230KV	147	-0.00299	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	NORTHEASTERN STATION 138KV	472	-0.00233	-0.21771	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	NORTHEASTERN STATION 345KV	645	-0.00233	-0.21771	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	OEC 345KV	319	-0.00246	-0.21758	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OMPA	OMPA-KAW 69KV	19.7	-0.00292	-0.21712	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00292	-0.21712	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	ONE OAK 345KV	75	-0.00341	-0.21663	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	OZARK 161KV	150.6	-0.00077	-0.21927	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	EMDE	OZARK BEACH 161KV	16	-0.00124	-0.2188	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	PARAGOULD 69KV	5.5	0.00007	-0.22011	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	PENSACOLA 161KV	33	-0.00208	-0.21796	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	PENSACOLA 69KV	29.80457	-0.00208	-0.21796	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	PLANTX 115KV	225.9048	-0.00312	-0.21692	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	PLANTX 230KV	189	-0.00312	-0.21692	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	REDBUD 345KV	100	-0.00338	-0.21666	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEWP	RIVERSIDE STATION 138KV	422	-0.00258	-0.21746	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	EMDE	RIVERTON 161KV	88.89612	-0.00182	-0.21822	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.21823	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	ROBERT S. KERR 161KV	314.8	-0.00139	-0.21865	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	CELE	RODEMACHER 230KV	651	-0.00104	-0.219	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	GRDA	SALINA 161KV	26.50488	-0.00217	-0.21787	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	SAN JUAN 230KV	12	-0.00313	-0.21691	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SEMINOLE 138KV	479.3077	-0.00387	-0.21617	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SEMINOLE 345KV	966	-0.00388	-0.21616	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	SIDRCH 69KV	20	-0.00299	-0.21705	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	SIKESTON 161KV	235	-0.00014	-0.21999	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WFEC	SLEEPING BEAR 138KV	80	-0.00331	-0.21673	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SLEEPING BEAR 34KV	120	-0.00332	-0.21672	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SMITH COGEN 138KV	120	-0.00353	-0.21651	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SOONER 138KV	505	-0.00306	-0.21686	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	OKGE	SOONER 345KV	513	-0.00318	-0.21686</	

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

AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	TRUMAN 161KV	102	-0.00126	-0.21878	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	TULSA POWER STATION 138KV	38	-0.00255	-0.21749	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	WERE	WACO 138KV	17.967	-0.00216	-0.21788	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	LEPA	WATERLOO SUB 230KV	6	-0.00106	-0.21898	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	WESTFORD 34KV	148	-0.0035	-0.21654	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SWPA	WEBBERS FALLS 161KV	39.2	-0.00209	-0.21796	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	WELETKA 138KV	84	-0.00334	-0.21677	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	WELSH 345KV	1044	-0.0081	-0.21194	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	WILKES 345KV	191	-0.00102	-0.21902	7
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	SPS	WILWIND 230KV	16	-0.00299	-0.21705	7
AEPW	NORTH MARSHALL 69KV	5	-0.13591	CELE	DOLET HILLS 345KV	360	0.08481	-0.22072	7
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	DOLET HILLS 345KV	360	0.08481	-0.19158	8
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	WILKES 138KV	136.7419	-0.02958	-0.19046	8
AEPW	EASTMAN 138KV	130.01	-0.08699	CELE	DOLET HILLS 345KV	360	0.08481	-0.1718	9
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	LEBROCK 345KV	455	-0.04556	-0.17448	8
AEPW	ARSENAL HILL 69KV	99	-0.38429	AEPW	LIEBERMAN 138KV	26.18066	-0.22004	-0.16428	9
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	PIRKEY GENERATION 138KV	490	-0.06911	-0.15093	10
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	CELE	DOLET HILLS 345KV	360	0.08481	-0.15392	10
AEPW	NORTH MARSHALL 69KV	5	-0.13591	CELE	NATCHITOCHE 69KV	16.92836	0.00134	-0.13725	11
AEPW	LEBROCK 345KV	232	-0.04556	CELE	DOLET HILLS 345KV	360	0.08481	-0.13037	11
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	EASTMAN 138KV	355	-0.08699	-0.13305	11
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	DOLET HILLS 345KV	360	0.08481	-0.11729	13
AEPW	LIEBERMAN 138KV	201.8193	-0.22004	AEPW	KNOXLEE 138KV	103	-0.10677	-0.11327	13
AEPW	WILKES 138KV	326.2581	-0.02958	CELE	DOLET HILLS 345KV	360	0.08481	-0.11439	13
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00175	-0.10302	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	ACADIA 138KV	307.0811	0.00411	-0.10447	14
AEPW	KNOXLEE 138KV	320	-0.10677	OKGE	AES 161KV	320	-0.00111	-0.10566	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	ASBURY 161KV	191	-0.00179	-0.10498	14
AEPW	KNOXLEE 138KV	320	-0.10677	LEPA	BAYOU RAMOS 138KV	29.82431	-0.00153	-0.10524	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	BEAVER 161KV	139.1643	-0.00163	-0.10514	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	BLACKHAWK 115KV	220	-0.00299	-0.10378	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	BOOMER 69KV	24	-0.00292	-0.10385	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	BPU - CITY OF MCPHERSON 115KV	157.1294	-0.0018	-0.10497	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	BULL SHOALS 161KV	279.4	-0.0007	-0.10607	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	LEBROCK 115KV	8	-0.00312	-0.10365	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	CARTHAGE 69KV	32	-0.00171	-0.10548	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CHANUTE 69KV	55.637	-0.00196	-0.10481	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF AUGUSTA 69KV	24	-0.00213	-0.10464	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00193	-0.10484	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF ERIE 69KV	23.374	-0.00196	-0.10481	14
AEPW	KNOXLEE 138KV	320	-0.10677	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00107	-0.1057	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF IOLA 69KV	24.471	-0.00192	-0.10485	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF MULVANE 69KV	8.29	-0.00215	-0.10462	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	CITY OF WINFIELD 69KV	26.77	-0.00242	-0.10435	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00391	-0.10586	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00193	-0.10484	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	COGENTRIX 345KV	300	-0.00256	-0.10421	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	CUNNINGHAM 115KV	181	-0.00315	-0.10362	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	CUNNINGHAM 230KV	306	-0.00315	-0.10362	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	CZ 69KV	39	-0.00304	-0.10373	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	D.G. HUNTER POWER STATION 138KV	86.5168	-0.00123	-0.10554	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	ELK RIVER 345KV	150	-0.00204	-0.10473	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	ELK RIVER WIND 34KV	100	-0.00204	-0.10473	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	EUFAULA 138KV	51	-0.00221	-0.10456	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	EUFAULA 161KV	69.8	-0.00221	-0.10456	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	EVANGELINE 138KV	141.4269	-0.00178	-0.10499	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	EVANGELINE 230KV	173.6403	-0.0016	-0.10517	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	EVANS ENERGY CENTER 138KV	565	-0.00217	-0.1046	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	FITZHUGH 161KV	101	-0.00078	-0.10599	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	FLINT CREEK 161KV	428	-0.00201	-0.10476	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	GILL ENERGY CENTER 138KV	171	-0.00216	-0.10461	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	GILL ENERGY CENTER 69KV	75	-0.00216	-0.10461	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	GRDA 161KV	190	-0.00218	-0.10459	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	GRDA 1 345KV	220	-0.00218	-0.10459	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	GREENSBERRY 161KV	93.6	-0.00268	-0.10703	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	HARRINGTON 230KV	1066	-0.00269	-0.10378	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	HUBRCO2 69KV	1066	-0.00299	-0.10378	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00182	-0.10495	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00182	-0.10495	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	INDEPENDENCE 161KV	13	0.00022	-0.10699	14
AEPW	KNOXLEE 138KV	320	-0.10677	LEPA	IRION SUB 230KV	25	-0.00104	-0.10573	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0017	-0.10507	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0017	-0.10507	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	JONESBORO 161KV	43	0.00013	-0.1069	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	KENNETT 69KV	7.5	0	-0.10677	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	KERR 115KV	13.5	-0.00216	-0.1049	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	KERR 161KV	13.5	-0.00217	-0.1046	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	KEYSTONE DAM 161KV	150.6	-0.00254	-0.10423	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	L&D13 69KV	11	-0.00115	-0.10562	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	LARUSSEL 161KV	116	-0.00165	-0.10512	14
AEPW	KNOXLEE 138KV	320	-0.10677	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.00167	-0.1051	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	MADDOX 115KV	183	-0.00315	-0.10362	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	MALDEN 69KV	7	-0.00005	-0.10672	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	MATTISON 161KV	320	-0.00198	-0.10479	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	MCORE COUNTY 115KV	48	-0.00288	-0.10379	14
AEPW	KNOXLEE 138KV	320	-0.10677	OKGE	MUSKOGEE 161KV	166	-0.0022	-0.10457	14
AEPW	KNOXLEE 138KV	320	-0.10677	OKGE	MUSKOGEE 345KV	1516	-0.00248	-0.10429	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	MUSTANG 115KV	300	-0.00315	-0.10362	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	MUSTANG 230KV	360	-0.00315	-0.10362	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	NATCHITOCHE 69KV	16.92836	0.00134	-0.10811	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	NICHOLS 115KV	147	-0.003	-0.10377	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	NICHOLS 230KV	147	-0.00299	-0.10378	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	NORTHEASTERN STATION 138KV	472	-0.00233	-0.10444	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	NORTHEASTERN STATION 345KV	645	-0.00233	-0.10444	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	OEC 345KV	319	-0.00246	-0.10431	14
AEPW	KNOXLEE 138KV	320	-0.10677	OMPA	OMPA-KAW 69KV	19.71	-0.00292	-0.10385	14
AEPW	KNOXLEE 138KV	320	-0.10677	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00292	-0.10385	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	OZARK 161KV	150.6	-0.00077	-0.106	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	OZARK BEACH 161KV	16	-0.00124	-0.10553	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	PENSACOLA 161KV	33	-0.00208	-0.10469	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	PENSACOLA 69KV	29.80457	-0.00208	-0.10469	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	PLANTX 115KV	225.9048	-0.00312	-0.10365	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	PLANTX 230KV	189	-0.00312	-0.10365	14
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	RIVERSIDE STATION 138KV	422	-0.00258	-0.10419	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	RIVERTON 161KV	88.88612	-0.00182	-0.10495	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.10496	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	ROBERT S. KERR 161KV	314.8	-0.00139	-0.10538	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	RODEMACHER 230KV	651	-0.00104	-0.10573	14
AEPW	KNOXLEE 138KV	320	-0.10677	GRDA	SALINA 161KV	26.50488	-0.00217	-0.1046	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	SAN JUAN 230KV	12	-0.00313	-0.10364	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	SIDRCH 69KV	20	-0.00299	-0.10378	14
AEPW	KNOXLEE 138KV	320	-0.10677	SWPA	SIKESTON 161KV	235	-0.00014	-0.10663	14
AEPW	KNOXLEE 138KV	320	-0.10677	OKGE	SOONER 138KV	505	-0.00306	-0.10371	14
AEPW	KNOXLEE 138KV	320	-0.10677	EMDE	STATE LINE 161KV	503	-0.0018	-0.10497	14
AEPW	KNOXLEE 138KV	320	-0.10677	SPS	STEER WATER 115KV	8	-0.00302	-0.10375	14
AEPW	KNOXLEE 138KV	320	-0.10677	CELE	TECHE 138KV	227.5919	-0.00183	-0.10494	14
AEPW	KNOXLEE 138KV	320	-0.1067						

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

AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	TULSA POWER STATION 138KV	38	-0.00255	-0.10422	14
AEWP	KNOXLEE 138KV	320	-0.10677	WERE	WACO 138KV	17.967	-0.00216	-0.10461	14
AEWP	KNOXLEE 138KV	320	-0.10677	SWPA	WEBBERS FALLS 161KV	39.2	-0.00208	-0.10469	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	WILKES 345KV	191	-0.00102	-0.10575	14
AEWP	KNOXLEE 138KV	320	-0.10677	SPS	WILWIND 230KV	16	-0.00389	-0.10378	14
AEWP	KNOXLEE 138KV	320	-0.10677	WFEC	ANADARKO 138KV	286.2824	-0.00374	-0.10303	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	COMANCHE 138KV	160	-0.00376	-0.10301	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	COMANCHE 69KV	63	-0.00377	-0.103	14
AEWP	KNOXLEE 138KV	320	-0.10677	SWPA	DENISON 138KV	59.59999	-0.00487	-0.1019	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	FPLWIND2 34KV	102	-0.00331	-0.10346	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	HORSESHOE LAKE 138KV	769.0186	-0.0035	-0.10327	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	HORSESHOE LAKE 69KV	16	-0.0035	-0.10327	14
AEWP	KNOXLEE 138KV	320	-0.10677	WFEC	HUGO 138KV	450	-0.00747	-0.0993	15
AEWP	KNOXLEE 138KV	320	-0.10677	SPS	JONES 230KV	486	-0.0032	-0.10357	14
AEWP	KNOXLEE 138KV	320	-0.10677	SPS	LP-BRND2 69KV	20	-0.0032	-0.10357	14
AEWP	KNOXLEE 138KV	320	-0.10677	SPS	LP-MACK2 69KV	60	-0.0032	-0.10357	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	MCCLAINE 138KV	478	-0.00358	-0.10319	14
AEWP	KNOXLEE 138KV	320	-0.10677	WFEC	MORLND 138KV	298.512	-0.00331	-0.10346	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	MUSTANG 138KV	365.5	-0.00352	-0.10325	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	MUSTANG 69KV	106	-0.00351	-0.10326	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	ONE OAK 345KV	75	-0.00341	-0.10336	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	REDBUD 345KV	100	-0.00338	-0.10339	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	SEMINOLE 138KV	479.3077	-0.00387	-0.1029	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	SEMINOLE 345KV	996	-0.00388	-0.10289	14
AEWP	KNOXLEE 138KV	320	-0.10677	WFEC	SLEEPING BEAR 138KV	80	-0.00331	-0.10346	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	SLEEPING BEAR 34KV	120	-0.00332	-0.10345	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	SMITH COGEN 138KV	120	-0.00353	-0.10324	14
AEWP	KNOXLEE 138KV	320	-0.10677	OKGE	SOONER 345KV	513	-0.00318	-0.10359	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	SOUTHWESTERN STATION 138KV	311	-0.00373	-0.10304	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	WEATHERFORD 34KV	148	-0.0035	-0.10327	14
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	WELETKA 138KV	84	-0.00334	-0.10343	14
AEWP	TURK 138KV	608	-0.01457	CELE	DOLET HILLS 345KV	360	0.08481	-0.09938	15
AEWP	FULTON 115KV	32.99999	-0.01101	CELE	DOLET HILLS 345KV	360	0.08481	-0.09582	15
AEWP	KNOXLEE 138KV	320	-0.10677	SWPA	BROKEN BOW 138KV	93.6	-0.00947	-0.0973	15
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	BROKEN BOW 345KV	1044	-0.0061	-0.09867	15
SWPA	BROKEN BOW 138KV	16.4	-0.00947	CELE	DOLET HILLS 345KV	360	0.08481	-0.09428	16
AEWP	KNOXLEE 138KV	320	-0.10677	AEWP	NARROWS 69KV	22	-0.0133	-0.09347	16
CELE	ACADIA 138KV	814.9189	-0.0023	CELE	DOLET HILLS 345KV	360	0.08481	-0.08711	17
WFEC	ANADARKO 138KV	136	-0.00374	CELE	DOLET HILLS 345KV	360	0.08481	-0.08855	17
WFEC	ANADARKO 69KV	76	-0.00372	CELE	DOLET HILLS 345KV	360	0.08481	-0.08853	17
WFEC	BLUE CANYON 138KV	151.2	-0.00372	CELE	DOLET HILLS 345KV	360	0.08481	-0.08853	17
SPS	CARLSBAD 69KV	18	-0.00314	CELE	DOLET HILLS 345KV	360	0.08481	-0.08795	17
WERE	CHANUTE 69KV	32.163	-0.00196	CELE	DOLET HILLS 345KV	360	0.08481	-0.08677	17
WERE	CITY OF AUGUSTA 69KV	8.840999	-0.00213	CELE	DOLET HILLS 345KV	360	0.08481	-0.08694	17
WERE	CITY OF BURLINGTON 69KV	21.939	-0.00193	CELE	DOLET HILLS 345KV	360	0.08481	-0.08674	17
WERE	CITY OF IOLA 69KV	13.157	-0.00192	CELE	DOLET HILLS 345KV	360	0.08481	-0.08673	17
WERE	CITY OF WINFIELD 69KV	13.23	-0.00242	CELE	DOLET HILLS 345KV	360	0.08481	-0.08723	17
AEWP	COGENTRIX 345KV	594	-0.00256	CELE	DOLET HILLS 345KV	360	0.08481	-0.08737	17
OKGE	CONTINENTAL EMPIRE 138KV	32	-0.00306	CELE	DOLET HILLS 345KV	360	0.08481	-0.08787	17
SWPA	DENISON 138KV	10.40001	-0.00487	CELE	DOLET HILLS 345KV	360	0.08481	-0.08968	16
AEWP	EASTMAN 138KV	130.01	-0.08699	SWPA	GREERS FERRY 161KV	93.6	-0.00206	-0.08725	17
AEWP	EASTMAN 138KV	130.01	-0.08699	SWPA	INDEPENDENCE 161KV	13	-0.00222	-0.08721	17
AEWP	EASTMAN 138KV	130.01	-0.08699	SWPA	JONESBORO 161KV	43	0.00013	-0.08712	17
AEWP	EASTMAN 138KV	130.01	-0.08699	CELE	NATOHITOCHEES 69KV	16.92836	0.00134	-0.08833	17
AEWP	EASTMAN 138KV	130.01	-0.08699	SWPA	SKESTON 161KV	235	-0.00014	-0.08685	17
SWPA	EUFALA 138KV	9.000004	-0.00221	CELE	DOLET HILLS 345KV	360	0.08481	-0.08702	17
SWPA	EUFALA 161KV	12.2	-0.00221	CELE	DOLET HILLS 345KV	360	0.08481	-0.08702	17
WERE	EVANS ENERGY CENTER 138KV	162	-0.00217	CELE	DOLET HILLS 345KV	360	0.08481	-0.08698	17
WERE	GETTY 69KV	35	-0.0021	CELE	DOLET HILLS 345KV	360	0.08481	-0.08691	17
WERE	GILL ENERGY CENTER 138KV	49	-0.00216	CELE	DOLET HILLS 345KV	360	0.08481	-0.08697	17
WERE	GILL ENERGY CENTER 69KV	8	-0.00216	CELE	DOLET HILLS 345KV	360	0.08481	-0.08697	17
OKGE	HORSESHOE LAKE 138KV	82.48141	-0.0035	CELE	DOLET HILLS 345KV	360	0.08481	-0.08831	17
GRDA	KERR 115KV	13.5	-0.00216	CELE	DOLET HILLS 345KV	360	0.08481	-0.08697	17
GRDA	KERR 161KV	28.5	-0.00217	CELE	DOLET HILLS 345KV	360	0.08481	-0.08698	17
SWPA	KEYSTONE DAM 161KV	49.60001	-0.00254	CELE	DOLET HILLS 345KV	360	0.08481	-0.08735	17
AEWP	KIOWA 345KV	1348	-0.00472	CELE	DOLET HILLS 345KV	360	0.08481	-0.08853	16
SPS	LP-HOLL2 69KV	132	-0.0032	CELE	DOLET HILLS 345KV	360	0.08481	-0.08801	17
SPS	LP-MACK2 69KV	20	-0.0032	CELE	DOLET HILLS 345KV	360	0.08481	-0.08801	17
SPS	MADDOX 115KV	10	-0.00315	CELE	DOLET HILLS 345KV	360	0.08481	-0.08796	17
AEWP	MATTISON 161KV	190	-0.00198	CELE	DOLET HILLS 345KV	360	0.08481	-0.08679	17
OKGE	MCCLAINE 138KV	42	-0.00358	CELE	DOLET HILLS 345KV	360	0.08481	-0.08839	17
AEWP	MID-CONTINENT 138KV	142.11	-0.00222	CELE	DOLET HILLS 345KV	360	0.08481	-0.08703	17
WFEC	MORLND 138KV	21.48804	-0.00331	CELE	DOLET HILLS 345KV	360	0.08481	-0.08812	17
OKGE	MUSKOGEE 161KV	31	-0.0022	CELE	DOLET HILLS 345KV	360	0.08481	-0.08701	17
OKGE	MUSKOGEE 345KV	20	-0.00248	CELE	DOLET HILLS 345KV	360	0.08481	-0.08729	17
SPS	NICHOLS 115KV	66.00001	-0.003	CELE	DOLET HILLS 345KV	360	0.08481	-0.08781	17
SPS	NICHOLS 230KV	97	-0.00299	CELE	DOLET HILLS 345KV	360	0.08481	-0.0878	17
AEWP	NORTHEASTERN STATION 138KV	27.99997	-0.00233	CELE	DOLET HILLS 345KV	360	0.08481	-0.08714	17
AEWP	OEC 345KV	1828.03	-0.00246	CELE	DOLET HILLS 345KV	360	0.08481	-0.08727	17
OMPA	OMPA-KAW 69KV	10	-0.00292	CELE	DOLET HILLS 345KV	360	0.08481	-0.08773	17
OMPA	OMPA-KINGFISHER BOWMAN 69KV	8.5	-0.00335	CELE	DOLET HILLS 345KV	360	0.08481	-0.08816	17
OMPA	OMPA-PONCA CITY 69KV	89.66048	-0.00292	CELE	DOLET HILLS 345KV	360	0.08481	-0.08773	17
OKGE	ONE OAK 345KV	261	-0.00341	CELE	DOLET HILLS 345KV	360	0.08481	-0.08822	17
SPS	PLANTIX 115KV	27.09521	-0.00312	CELE	DOLET HILLS 345KV	360	0.08481	-0.08793	17
OKGE	RED ROCK 345KV	1050	-0.00318	CELE	DOLET HILLS 345KV	360	0.08481	-0.08799	17
OKGE	REDBUD 345KV	1100	-0.00338	CELE	DOLET HILLS 345KV	360	0.08481	-0.08819	17
AEWP	RIVER SIDE 138KV	172	-0.00258	CELE	DOLET HILLS 345KV	360	0.08481	-0.08739	17
AEWP	RIVERSIDE STATION 138KV	300	-0.00258	CELE	DOLET HILLS 345KV	360	0.08481	-0.08739	17
SPS	RIVERVIEW 69KV	23	-0.00299	CELE	DOLET HILLS 345KV	360	0.08481	-0.0878	17
GRDA	SALINA 161KV	71.49512	-0.00217	CELE	DOLET HILLS 345KV	360	0.08481	-0.08698	17
OKGE	SEMINOLE 138KV	25.69232	-0.00387	CELE	DOLET HILLS 345KV	360	0.08481	-0.08868	17
OKGE	SOONER 138KV	24.99997	-0.00306	CELE	DOLET HILLS 345KV	360	0.08481	-0.08787	17
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00313	CELE	DOLET HILLS 345KV	360	0.08481	-0.08794	17
AEWP	SOUTHWESTERN STATION 138KV	448	-0.00373	CELE	DOLET HILLS 345KV	360	0.08481	-0.08854	17
OKGE	TINKER 5G 138KV	62	-0.00361	CELE	DOLET HILLS 345KV	360	0.08481	-0.08942	17
SPS	TOLK 230KV	52.51041	-0.00313	CELE	DOLET HILLS 345KV	360	0.08481	-0.08794	17
SPS	TUOLUMCARI 115KV	15	-0.00312	CELE	DOLET HILLS 345KV	360	0.08481	-0.08793	17
AEWP	TULSA POWER STATION 138KV	256	-0.00255	CELE	DOLET HILLS 345KV	360	0.08481	-0.08736	17
AEWP	TULSA POWER STATION 69KV	80	-0.00255	CELE	DOLET HILLS 345KV	360	0.08481	-0.08736	17
SWPA	WEBBERS FALLS 161KV	29.8	-0.00208	CELE	DOLET HILLS 345KV	360	0.08481	-0.08689	17
AEWP	WELETKA 138KV	58	-0.00334	CELE	DOLET HILLS 345KV	360	0.08481	-0.08815	17
OKGE	WOODWARD 24KV	9.3	-0.00332	CELE	DOLET HILLS 345KV	360	0.08481	-0.08813	17
EMDE	ASBURY 161KV	20	-0.00179	CELE	DOLET HILLS 345KV	360	0.08481	-0.0866	17
LEPA	BAYOU RAMOS 138KV	24.17569	-0.00153	CELE	DOLET HILLS 345KV	360	0.08481	-0.08634	17
SWPA	BEAVER 161KV	26.4357	-0.00183	CELE	DOLET HILLS 345KV	360	0.08481	-0.08644	17
WERE	BJU - CITY OF MCPHERSON 115KV	16.87061	-0.0018	CELE	DOLET HILLS 345KV	360	0.08481	-0.08661	17
SWPA	BULL SHOALS 161KV	110.2	-0.0007	CELE	DOLET HILLS 345KV	360	0.08481	-0.08551	17
WERE	CITY OF OSAGE CITY 115KV	8.85	-0.00175	CELE	DOLET HILLS 345KV	360	0.08481	-0.08656	17
SWPA	CLARENCE CANNON DAM 69KV	8.599998	-0.00091	CELE	DOLET HILLS 345KV	360	0.08481	-0.08572	17
WERE	CLAY CENTER JUNCTION 115KV	38.1	-0.00174	CELE	DOLET HILLS 345KV	360	0.08481	-0.08655	17
CELE	D.G. HUNTER POWER STATION 138KV	39.7832	-0.00123	CELE	DOLET HILLS 345KV	360	0.08481	-0.08604	17
AEWP	EASTMAN 138KV	130.01	-0.08699	WERE	ARBILENE ENERGY CENTER 115KV	40	-0.00175	-0.08524	17
AEWP	EASTMAN 138KV	130.01	-0.08699	CELE	ACADIA 138KV	307.0811	-0.0023	-0.08469	17
AEWP	EASTMAN 138KV	130.01	-0.08699	OKGE	AES 161KV	320	-0.00111	-0.08588	17
AEWP	EASTMAN 138KV	130.01	-0.08699	EMDE	ASBURY 161KV	191	-0.00179	-0.0852	17
AEWP	EASTMAN 138KV	130.01	-0.08699	LEPA	BAYOU RAMOS 138KV	29.82431	-0.00153		

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

AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.0018	-0.08519	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'BULL SHOALS 161KV'	279.4	-0.0007	-0.08629	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'CARTHAGE 69KV'	32	-0.00171	-0.08528	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CHANUTE 69KV'	56.337	-0.00196	-0.08503	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CITY OF ALABAMA 69KV'	24	-0.00213	-0.08498	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CITY OF BURLINGTON 69KV'	34.0611	-0.00193	-0.08506	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CITY OF ERIE 69KV'	23.3774	-0.00196	-0.08503	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00107	-0.08592	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CITY OF IOLA 69KV'	24.471	-0.00192	-0.08507	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00242	-0.08457	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00091	-0.08608	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	-0.00193	-0.08506	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'COGENTRIX 345KV'	300	-0.00256	-0.08443	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'CUNNINGHAM 115KV'	181	-0.00315	-0.08384	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'CUNNINGHAM 230KV'	306	-0.00315	-0.08384	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'CZ 69KV'	39	-0.00304	-0.08395	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	CELE	'D. G. HUNTER POWER STATION 138KV'	86.5168	-0.00123	-0.08576	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'ELK RIVER 345KV'	150	-0.00204	-0.08495	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'ELK RIVER WIND 34KV'	100	-0.00204	-0.08495	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'EUFULA 138KV'	51	-0.00221	-0.08478	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'EUFULA 161KV'	69.8	-0.00221	-0.08478	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	CELE	'EVANGELINE 138KV'	141.4269	-0.00178	-0.08521	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	CELE	'EVANGELINE 230KV'	173.6403	-0.0016	-0.08539	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'EVANS ENERGY CENTER 138KV'	565	-0.00217	-0.08482	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'FITZHUGH 161KV'	101	-0.00378	-0.08521	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'FLINT CREEK 161KV'	428	-0.00201	-0.08498	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'FRLWIND2 34KV'	102	-0.00331	-0.08368	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00216	-0.08483	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00216	-0.08483	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'GRDA1 161KV'	190	-0.00218	-0.08481	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'GRDA1 345KV'	220	-0.00218	-0.08481	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'HARRINGTON 230KV'	1066	-0.00299	-0.084	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'HORSESHOE LAKE 138KV'	769.0186	-0.0035	-0.08349	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'HORSESHOE LAKE 69KV'	16	-0.0035	-0.08349	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'HUBCO2 69KV'	11	-0.00289	-0.084	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'HUTCHINSON ENERGY CENTER 115KV'	316	-0.00182	-0.08517	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00182	-0.08517	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	LEPA	'IRION SUB 230KV'	25	-0.00104	-0.08595	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0017	-0.08529	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.0017	-0.08529	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'JONES 230KV'	486	-0.0032	-0.08379	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'KERR 115KV'	13.5	-0.00216	-0.08483	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'KERR 161KV'	13.5	-0.00217	-0.08482	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'KEYSTONE DAM 161KV'	150.6	-0.00254	-0.08445	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'L&D13 69KV'	11	-0.00115	-0.08584	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'L&D13 161KV'	116	-0.00165	-0.08524	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5722	-0.00167	-0.08532	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'LP-BRND2 69KV'	20	-0.0032	-0.08379	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'LP-MACK2 69KV'	60	-0.0032	-0.08379	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'MADOX 115KV'	183	-0.00315	-0.08384	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'MATTISON 161KV'	320	-0.00198	-0.08501	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'MCCLAIN 138KV'	478	-0.00358	-0.08341	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'MOORE COUNTY 115KV'	48	-0.00298	-0.08401	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WFEC	'MORLND 138KV'	298.512	-0.00331	-0.08368	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'MUSKOGEE 161KV'	156	-0.0022	-0.08479	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'MUSKOGEE 345KV'	1516	-0.00248	-0.08451	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'MUSTANG 115KV'	300	-0.00315	-0.08384	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'MUSTANG 138KV'	365.5	-0.00352	-0.08347	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'MUSTANG 230KV'	360	-0.00315	-0.08384	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'MUSTANG 69KV'	106	-0.00351	-0.08348	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'NICHOLS 115KV'	147	-0.003	-0.08399	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'NICHOLS 230KV'	147	-0.00299	-0.084	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'NORTHEASTERN STATION 138KV'	472	-0.00233	-0.08466	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00233	-0.08466	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'ONE OAK 345KV'	319	-0.00246	-0.08453	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OMPA	'OMPAKAW 69KV'	19.71	-0.00292	-0.08407	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OMPA	'OMPA-PONCA CITY 69KV'	117.1176	-0.00292	-0.08407	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'ONE OAK 345KV'	75	-0.00341	-0.08358	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'OZARK 161KV'	150.6	-0.00077	-0.08622	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'OZARK BEACH 161KV'	16	-0.00124	-0.08575	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'PENSACOLA 161KV'	33	-0.00208	-0.08491	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'PENSACOLA 69KV'	29.80457	-0.00208	-0.08491	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'PLANTX 115KV'	225.9048	-0.00312	-0.08387	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'PLANTX 230KV'	189	-0.00312	-0.08387	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'REDRUB 345KV'	100	-0.00328	-0.08361	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'RIVERSIDE STATION 138KV'	422	-0.00258	-0.08441	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'RIVERTON 161KV'	88.89612	-0.00182	-0.08517	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'RIVERTON 69KV'	44.39298	-0.00181	-0.08518	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'ROBERT S. KERR 161KV'	314.8	-0.00139	-0.0856	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	CELE	'RODEMACHER 230KV'	651	-0.00104	-0.08595	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	GRDA	'SALINA 161KV'	26.50488	-0.00217	-0.08482	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'SAN JUAN 230KV'	12	-0.00313	-0.08386	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'SIDRCH 69KV'	20	-0.00299	-0.084	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WFEC	'SLEEPING BEAR 138KV'	80	-0.00331	-0.08368	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SLEEPING BEAR 34KV'	120	-0.00332	-0.08367	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SMITH COGEN 138KV'	120	-0.00353	-0.08348	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SOONER 138KV'	505	-0.00306	-0.08393	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SOONER 345KV'	513	-0.00318	-0.08381	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	EMDE	'STATE LINE 161KV'	503	-0.0018	-0.08519	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	CELE	'TECHE 138KV'	227.5919	-0.00183	-0.08516	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00168	-0.08531	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'TOLK 230KV'	1027.49	-0.00313	-0.08386	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'TRUMAN 161KV'	102	-0.00126	-0.08573	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'TULSA POWER STATION 138KV'	38	-0.00255	-0.08444	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WERE	'WACO 138KV'	17.987	-0.00218	-0.08483	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'WEATHERFORD 34KV'	148	-0.0035	-0.08349	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'WEBBERS FALLS 161KV'	39.2	-0.00208	-0.08491	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'WELETTKA 138KV'	84	-0.00334	-0.08365	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'WILKES 345KV'	191	-0.00102	-0.08597	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SPS	'WILWIND 230KV'	16	-0.00299	-0.084	17
WERE	'EMPORIA 345KV'	828	-0.00181	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08662	17
CELE	'EVANGELINE 138KV'	170.5731	-0.00178	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08659	17
CELE	'EVANGELINE 230KV'	251.3597	-0.0016	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08641	17
AEPW	'FITZHUGH 161KV'	25.00001	-0.00078	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08559	17
SWPA	'GREGGERS FERRY 161KV'	16.4	0.00026	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08455	17
WERE	'HOLTON 115KV'	19.8	-0.00162	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08643	17
WERE	'HUTCHINSON ENERGY CENTER 115KV'	141	-0.00182	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08663	17
WERE	'HUTCHINSON ENERGY CENTER 69KV'	12	-0.00182	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08663	17
LEPA	'IRION SUB 230KV'	19	-0.00104	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08585	17
WERE	'JEFFREY ENERGY CENTER 230KV'	24	-0.0017	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08651	17
WERE	'JEFFREY ENERGY CENTER 345KV'	42	-0.0017	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08651	17
SWPA	'JONESBORO 161KV'	20	0.00013	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08468	17
SWPA	'KENNETT 69KV'	21.5	0	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08481	17
AEPW	'L&D13 69KV'	13	-0.00115	CELE</					

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

SWPA	'PARAGOULD 69KV'	12	-0.0007	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08474	17
SWPA	'POPLAR BLUFF 69KV'	13	-0.00019	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.085	17
EMDE	'RIVERTON 161KV'	233.1039	-0.00182	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08663	17
EMDE	'RIVERTON 69KV'	23.60701	-0.00181	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08662	17
SWPA	'ROBERT S KERR 161KV'	73.90001	-0.00139	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.0862	17
CELE	'RODEMACHER 230KV'	66	-0.00104	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08585	17
WERE	'SOUTH SENECA 115KV'	16.7	-0.00158	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08639	17
EMDE	'STATE LINE 161KV'	103	-0.0018	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08661	17
CELE	'TECHE 138KV'	94.40805	-0.00183	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08664	17
CELE	'TECHE 34KV'	23	-0.00183	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08664	17
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	-0.00168	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08649	17
SWPA	'TRUMAN 161KV'	78.00002	-0.00126	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08607	17
AEPW	'WILKES 345KV'	120	-0.00102	CELE	'DOLET HILLS 345KV'	360	0.08481	-0.08583	17
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WFEC	'ANADARKO 138KV'	286.2824	-0.00374	-0.08325	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'COMANCHE 138KV'	160	-0.00378	-0.08323	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'COMANCHE 69KV'	63	-0.00377	-0.08322	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'DENISON 138KV'	59.99999	-0.00487	-0.08212	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SEMINOLE 138KV'	479.30777	-0.00387	-0.08312	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	OKGE	'SEMINOLE 345KV'	996	-0.00388	-0.08311	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'SOUTHWESTERN STATION 138KV'	311	-0.00373	-0.08326	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	SWPA	'BROKEN BOW 138KV'	93.6	-0.00947	-0.07752	19
AEPW	'EASTMAN 138KV'	130.01	-0.08699	WFEC	'HUGO 138KV'	450	-0.00747	-0.07952	18
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'WELSH 345KV'	1044	-0.0081	-0.07889	19
AEPW	'KNOKLEE 138KV'	320	-0.10677	AEPW	'WILKES 138KV'	136.7419	-0.02958	-0.07719	19
AEPW	'EASTMAN 138KV'	130.01	-0.08699	AEPW	'NARROWS 69KV'	92	-0.0133	-0.07369	20
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'NATCHITOCHEES 69KV'	16.92836	-0.00134	-0.06837	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'AES 161KV'	320	-0.00111	-0.068	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	LEPA	'BAYOU RAMOS 138KV'	29.82431	-0.00153	-0.06758	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'BEAVER 161KV'	139.1643	-0.00163	-0.06748	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'BULL SHOALS 161KV'	279.4	-0.0007	-0.06841	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	LEPA	'CITY OF HOUMA SUB 115KV'	84	-0.00107	-0.06804	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'CLARENCE CANNON DAM 69KV'	39.4	-0.00091	-0.0682	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	CELE	'D. G. HUNTER POWER STATION 138KV'	86.5168	-0.00123	-0.06788	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	CELE	'EVANGELINE 230KV'	173.6403	-0.0016	-0.06751	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'FITZHUGH 161KV'	101	-0.00078	-0.06833	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'GREEN FERRY 161KV'	93.6	-0.00216	-0.06837	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'INDEPENDENCE 161KV'	13	0.00022	-0.06933	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	LEPA	'IRION SUB 230KV'	25	-0.00104	-0.06807	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'JONESBORO 161KV'	43	0.00013	-0.06924	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'L&D13 69KV'	11	-0.00115	-0.06796	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	EMDE	'LARUSSELL 161KV'	116	-0.00165	-0.06746	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'LAWRENCE ENERGY CENTER 230KV'	231.5762	-0.00167	-0.06744	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'OZARK 161KV'	150.6	-0.00077	-0.06834	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	EMDE	'OZARK BEACH 161KV'	16	-0.00124	-0.06787	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'ROBERT S KERR 161KV'	314.8	-0.00139	-0.06772	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	CELE	'RODEMACHER 230KV'	65	-0.00104	-0.06807	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'SIKESTON 161KV'	235	-0.00014	-0.06897	21
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'TECUMSEH ENERGY CENTER 115KV'	158	-0.00168	-0.06743	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'TRUMAN 161KV'	102	-0.00126	-0.06785	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'WILKES 345KV'	191	-0.00102	-0.06809	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'ABILENE ENERGY CENTER 115KV'	40	-0.00175	-0.06736	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	CELE	'ACADIA 138KV'	307.8811	-0.0023	-0.06681	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WFEC	'ANADARKO 138KV'	286.2824	-0.00374	-0.06537	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	EMDE	'ASBURY 161KV'	19	-0.00179	-0.06732	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'BLACKHAWK 115KV'	220	-0.00289	-0.06812	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	GRDA	'BOOMER 69KV'	24	-0.00292	-0.06819	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'BPU - CITY OF MCPHERSON 115KV'	157.1294	-0.0018	-0.06731	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'CARTHAGE 69KV'	12	-0.00171	-0.0674	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CHANUTE 69KV'	55.637	-0.00196	-0.06715	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CITY OF AUGUSTA 69KV'	24	-0.00213	-0.06698	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CITY OF BURLINGTON 69KV'	34.061	-0.00193	-0.06718	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CITY OF ERIE 69KV'	23.374	-0.00196	-0.06715	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CITY OF IOLA 69KV'	24.471	-0.00192	-0.06719	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'CITY OF WINFIELD 69KV'	26.77	-0.00242	-0.06669	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	-0.00193	-0.06718	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'COGENTRIX 345KV'	30	-0.00256	-0.06655	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'COMANCHE 138KV'	160	-0.00376	-0.06535	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'CUNNINGHAM 115KV'	181	-0.00315	-0.06596	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'CUNNINGHAM 230KV'	306	-0.00315	-0.06596	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'CZ 69KV'	39	-0.00304	-0.06607	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	EMDE	'ELK RIVER 345KV'	150	-0.00204	-0.06707	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'ELK RIVER WIND 34KV'	100	-0.00204	-0.06707	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'EUFAULA 138KV'	51	-0.00221	-0.06669	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'EUFAULA 161KV'	69.8	-0.00221	-0.06669	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	CELE	'EVANGELINE 138KV'	141.4289	-0.00178	-0.06733	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'EVANS ENERGY CENTER 138KV'	655	-0.00217	-0.06694	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'FLINT CREEK 161KV'	428	-0.00201	-0.0671	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'FPLWIND2 34KV'	102	-0.00331	-0.06588	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'GILL ENERGY CENTER 138KV'	171	-0.00216	-0.06695	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'GILL ENERGY CENTER 69KV'	75	-0.00216	-0.06695	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	GRDA	'GRDA1 161KV'	190	-0.00218	-0.06693	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	GRDA	'GRDA1 345KV'	220	-0.00218	-0.06693	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'HARRINGTON 230KV'	1066	-0.00299	-0.06612	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'HORSESHOE LAKE 138KV'	769.0186	-0.0035	-0.06561	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'HORSESHOE LAKE 69KV'	16	-0.0035	-0.06561	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'HUBRG02 69KV'	11	-0.00299	-0.06612	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'HUTCHINSON ENERGY CENTER 115KV'	315	-0.00182	-0.06729	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	-0.00182	-0.06729	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'JEFFREY ENERGY CENTER 230KV'	470	-0.0017	-0.06741	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WERE	'JEFFREY ENERGY CENTER 345KV'	940	-0.0017	-0.06741	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'JONES 230KV'	486	-0.0032	-0.06591	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	GRDA	'KERR 115KV'	13.5	-0.00216	-0.06695	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	GRDA	'KERR 161KV'	13.5	-0.00217	-0.06694	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SWPA	'KEYSTONE DAM 161KV'	150.6	-0.00254	-0.06657	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'LP-BRND2 69KV'	20	-0.0032	-0.06591	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'LP-MACK2 69KV'	60	-0.0032	-0.06591	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'MADOX 115KV'	183	-0.00315	-0.06596	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'MATTISON 161KV'	320	-0.00198	-0.06713	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'MCCLAIN 138KV'	478	-0.00358	-0.06533	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'MOORE COUNTY 115KV'	48	-0.00298	-0.06613	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	WFEC	'MORLND 138KV'	298.512	-0.00331	-0.06658	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'MUSKOGEE 161KV'	166	-0.0022	-0.06691	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'MUSKOGEE 345KV'	1516	-0.00248	-0.06633	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'MUSTANG 115KV'	300	-0.00315	-0.06596	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'MUSTANG 138KV'	365.5	-0.00352	-0.06559	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'MUSTANG 230KV'	360	-0.00315	-0.06596	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'MUSTANG 69KV'	106	-0.00351	-0.06586	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'NICHOLS 115KV'	147	-0.003	-0.06611	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	SPS	'NICHOLS 230KV'	147	-0.00299	-0.06612	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'NORTHEASTERN STATION 138KV'	472	-0.00233	-0.06678	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00233	-0.06678	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	AEPW	'OEC 345KV'	319	-0.00246	-0.06665	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OMPA	'OMPA-KAW 69KV'	19.7	-0.00292	-0.06619	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OMPA	'OMPA-PONCA CITY 69KV'	117.1716	-0.00292	-0.06619	22
AEPW	'PIRKEY GENERATION 138KV'	25	-0.06911	OKGE	'ONE OAK 345KV'	75	-0.00341	-0.06557	22
AEPW									

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

AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	REDBUD 345KV	100	-0.00338	-0.06573	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	RIVERSIDE STATION 138KV	422	-0.00258	-0.06653	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	EMDE	RIVERTON 161KV	88.89612	-0.00182	-0.06729	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.0673	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	GRDA	SALINA 161KV	26.50488	-0.00317	-0.06594	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SPS	SAN JUAN 230KV	12	-0.00313	-0.06598	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SPS	SIDRCH 69KV	20	-0.00299	-0.06612	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	WFEC	SLEEPING BEAR 138KV	80	-0.00331	-0.06588	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SLEEPING BEAR 34KV	120	-0.00332	-0.06579	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SMITH COGEN 138KV	120	-0.00353	-0.06558	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SOONER 138KV	505	-0.00306	-0.06605	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SOONER 345KV	513	-0.00318	-0.06593	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	SOUTHWESTERN STATION 138KV	311	-0.00373	-0.06538	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	EMDE	STATE LINE 161KV	503	-0.0018	-0.06731	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	CELE	TECHE 138KV	227.5919	-0.00183	-0.06728	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SPS	TOLK 230KV	1027.49	-0.00313	-0.06598	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	TULSA POWER STATION 138KV	38	-0.00255	-0.06656	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	WERE	WACO 138KV	17.967	-0.00216	-0.06695	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	WEATHERFORD 34KV	148	-0.0035	-0.06661	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SWPA	WEBBERS FALLS 161KV	39.2	-0.00208	-0.06703	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	WELETKA 138KV	84	-0.00334	-0.06577	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SPS	WILWIND 230KV	16	-0.00299	-0.06612	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	COMANCHE 69KV	63	-0.00377	-0.06534	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SWPA	DENISON 138KV	59.59999	-0.00487	-0.06424	23
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SEMINOLE 138KV	479.3077	-0.00387	-0.06524	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	OKGE	SEMINOLE 345KV	996	-0.00338	-0.06523	22
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	WFEC	HUGO 138KV	450	-0.00747	-0.06164	24
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	LEBROCK 345KV	465	-0.04556	-0.06121	24
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	WELSH 345KV	1044	-0.0081	-0.06101	24
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	SWPA	BROKEN BOW 138KV	93.6	-0.00947	-0.05964	25
AEPW	EASTMAN 138KV	130.01	-0.08699	AEPW	WILKES 138KV	136.7419	-0.02958	-0.05741	26
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	NARROWS 69KV	22	-0.0133	-0.05581	26
AEPW	LEBROCK 345KV	232	-0.04556	CELE	NATCHITOCHE 69KV	16.92836	0.00134	-0.0469	31
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	GREERS FERRY 161KV	93.6	0.00026	-0.04582	32
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	JONESBORO 161KV	43	0.0013	-0.04569	32
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	BULL SHOALS 161KV	279.4	-0.0007	-0.04498	33
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	FITZHUGH 161KV	101	-0.00078	-0.04478	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	OZARK 161KV	150.6	-0.00077	-0.04479	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	SIKESTON 161KV	235	-0.00014	-0.04542	32
AEPW	LEBROCK 345KV	232	-0.04556	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00175	-0.04381	33
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	AES 161KV	320	-0.00111	-0.04445	33
AEPW	LEBROCK 345KV	232	-0.04556	LAPA	BAYOU RAMOS 138KV	29.82431	-0.00153	-0.04403	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	BEAVER 161KV	139.1643	-0.00163	-0.04393	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	CARTHAGE 69KV	32	-0.00171	-0.04385	33
AEPW	LEBROCK 345KV	232	-0.04556	LAPA	CITY OF HOUMA SUB 115KV	84	-0.00107	-0.04448	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00091	-0.04465	33
AEPW	LEBROCK 345KV	232	-0.04556	CELE	D.G. HUNTER POWER STATION 138KV	86.5188	-0.00123	-0.04433	33
AEPW	LEBROCK 345KV	232	-0.04556	CELE	EVANGELINE 230KV	173.6403	-0.0016	-0.04396	33
AEPW	LEBROCK 345KV	232	-0.04556	LAPA	IRION SUB 230KV	25	-0.00104	-0.04452	33
AEPW	LEBROCK 345KV	232	-0.04556	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0017	-0.04386	33
AEPW	LEBROCK 345KV	232	-0.04556	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0017	-0.04386	33
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	LARUSSELL 161KV	116	-0.00165	-0.04391	33
AEPW	LEBROCK 345KV	232	-0.04556	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.00167	-0.04389	33
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	OZARK BEACH 161KV	16	-0.00124	-0.04432	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	ROBERT S KERR 161KV	314.8	-0.00139	-0.04417	33
AEPW	LEBROCK 345KV	232	-0.04556	CELE	RODEMACHER 230KV	651	-0.00104	-0.04452	33
AEPW	LEBROCK 345KV	232	-0.04556	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00168	-0.04388	33
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	TRUMAN 161KV	102	-0.00126	-0.0443	33
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	WILKES 345KV	191	-0.00102	-0.04454	33
AEPW	LEBROCK 345KV	232	-0.04556	CELE	ACADIA 138KV	307.0811	-0.0023	-0.04326	34
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	ASBURY 161KV	191	-0.00179	-0.04377	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	BPU - CITY OF MCPHERSON 115KV	157.1294	-0.0018	-0.04376	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CHANUTE 69KV	56.337	-0.00196	-0.0436	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CITY OF AUGUSTA 69KV	24	-0.00213	-0.04343	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CITY OF BURLINGSTON 69KV	34.061	-0.00183	-0.04363	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CITY OF ERIE 69KV	23.374	-0.00196	-0.0436	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CITY OF IOLA 69KV	24.471	-0.00192	-0.04364	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	CITY OF WINFIELD 69KV	26.77	-0.00242	-0.04314	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	-0.00193	-0.04363	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	COGENTRIX 345KV	300	-0.00256	-0.043	34
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	ELK RIVER 345KV	150	-0.00204	-0.04352	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	ELK RIVER WIND 34KV	100	-0.00204	-0.04352	34
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	EUFAULA 138KV	51	-0.00221	-0.04335	34
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	EUFAULA 161KV	69.8	-0.00221	-0.04335	34
AEPW	LEBROCK 345KV	232	-0.04556	CELE	EVANGELINE 138KV	141.4289	-0.00178	-0.04378	33
AEPW	LEBROCK 345KV	232	-0.04556	WERE	EVANS ENERGY CENTER 138KV	655	-0.0021	-0.04339	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	FLINT CREEK 161KV	428	-0.00201	-0.04355	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	GILL ENERGY CENTER 138KV	171	-0.00216	-0.0434	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	GILL ENERGY CENTER 69KV	75	-0.00216	-0.0434	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	GRDA1 161KV	190	-0.00218	-0.04338	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	GRDA1 345KV	220	-0.00218	-0.04338	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00182	-0.04374	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00182	-0.04374	34
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	KEYSTONE DAM 161KV	150.6	-0.00254	-0.04302	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	MATTISON 161KV	320	-0.00198	-0.04356	34
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	MUSKOGEE 161KV	166	-0.0022	-0.04336	34
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	MUSKOGEE 345KV	1516	-0.00248	-0.04308	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	NORTHEASTERN STATION 138KV	472	-0.00233	-0.04323	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	NORTHEASTERN STATION 345KV	645	-0.00233	-0.04323	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	OEC 345KV	319	-0.00246	-0.0431	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	PENSACOLA 161KV	33	-0.00208	-0.04348	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	PENSACOLA 69KV	29.80457	-0.00208	-0.04348	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	RIVERSIDE STATION 138KV	422	-0.00258	-0.04298	34
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	RIVERTON 161KV	88.89612	-0.00182	-0.04374	34
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.04375	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	SALINA 161KV	26.50488	-0.00317	-0.04339	34
AEPW	LEBROCK 345KV	232	-0.04556	EMDE	STATE LINE 161KV	503	-0.0018	-0.04376	34
AEPW	LEBROCK 345KV	232	-0.04556	CELE	TECHE 138KV	227.5919	-0.00183	-0.04373	34
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	TULSA POWER STATION 138KV	38	-0.00255	-0.04301	34
AEPW	LEBROCK 345KV	232	-0.04556	WERE	WACO 138KV	17.967	-0.00216	-0.0434	34
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	WEBBERS FALLS 161KV	39.2	-0.00208	-0.04348	34
AEPW	LEBROCK 345KV	232	-0.04556	SPS	BLACKHAWK 115KV	220	-0.00299	-0.04257	34
AEPW	LEBROCK 345KV	232	-0.04556	GRDA	BOOMER 69KV	24	-0.00292	-0.04264	34
AEPW	LEBROCK 345KV	232	-0.04556	SPS	CUNNINGHAM 115KV	181	-0.00315	-0.04241	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	CUNNINGHAM 230KV	306	-0.00315	-0.04241	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	CZ 69KV	39	-0.00306	-0.04252	34
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	FRLWIND 34KV	102	-0.00331	-0.04225	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	HARRINGTON 230KV	1066	-0.00299	-0.04257	34
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	HORSESHOE LAKE 138KV	769.0186	-0.0035	-0.04206	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	JONES 230KV	486	-0.0032	-0.04236	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	LP-BRND 69KV	20	-0.0032	-0.04236	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	LP-MACK 2 69KV	60	-0.0032	-0.04236	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	MADDOX 115KV	183	-0.00315	-0.04241	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	MOORE COUNTY 115KV	48	-0.00298	-0.04258	34
AEPW	LEBROCK 345KV	232	-0.04556	WFEC	MORNING 138KV	298.512	-0.00331	-0.04225	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	MUSTANG 115KV	300			

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

AEPW	LEBROCK 345KV	232	-0.04556	OMPA	OMPA-KAW 69KV	19.7	-0.00292	-0.04264	34
AEPW	LEBROCK 345KV	232	-0.04556	OMPA	OMPA-PONCA CITY 69KV	117.1716	-0.00292	-0.04264	34
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	ONE OAK 345KV	75	-0.00341	-0.04215	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	PLANTX 115KV	225.9048	-0.00312	-0.04244	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	PLANTX 230KV	189	-0.00312	-0.04244	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	REDBUD 345KV	100	-0.00338	-0.04218	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	SIDRCH 69KV	20	-0.00299	-0.04257	34
AEPW	LEBROCK 345KV	232	-0.04556	WFEC	SLEEPING BEAR 138KV	80	-0.00331	-0.04225	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SLEEPING BEAR 34KV	120	-0.00332	-0.04224	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SOONER 138KV	505	-0.00306	-0.0425	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SOONER 345KV	513	-0.00318	-0.04238	35
AEPW	LEBROCK 345KV	232	-0.04556	SPS	TOLK 230KV	1027.49	-0.00313	-0.04243	35
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	WEATHERFORD 34KV	148	-0.0035	-0.04206	35
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	WHEELER 138KV	84	-0.00334	-0.04222	35
AEPW	EASTMAN 138KV	130.01	-0.08699	AEPW	LEBROCK 345KV	465	-0.04556	-0.04143	35
AEPW	LEBROCK 345KV	232	-0.04556	WFEC	ANADARKO 138KV	286.2824	-0.00374	-0.04182	35
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	COMANCHE 138KV	160	-0.00376	-0.0418	35
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	COMANCHE 69KV	63	-0.00377	-0.04179	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	MCCLAIN 138KV	478	-0.00358	-0.04198	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	MUSTANG 138KV	365.5	-0.00352	-0.04204	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	MUSTANG 69KV	106	-0.00351	-0.04205	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SEMINOLE 138KV	479.3077	-0.00387	-0.04169	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SEMINOLE 345KV	996	-0.00388	-0.04168	35
AEPW	LEBROCK 345KV	232	-0.04556	OKGE	SMITH COGEN 138KV	120	-0.00353	-0.04203	35
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	SOUTHWESTERN STATION 138KV	311	-0.00373	-0.04183	35
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	WILKES 138KV	59.59999	-0.00457	-0.04069	36
AEPW	PIRKEY GENERATION 138KV	25	-0.06911	AEPW	WILKES 138KV	136.7419	-0.02958	-0.03953	37
AEPW	KNOXLEE 138KV	320	-0.10677	AEPW	PIRKEY GENERATION 138KV	490	-0.06911	-0.03766	39
AEPW	LEBROCK 345KV	232	-0.04556	WFEC	HUGO 138KV	450	-0.00747	-0.03809	39
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	WELSH 345KV	1044	-0.0081	-0.03746	39
AEPW	LEBROCK 345KV	232	-0.04556	SWPA	BROKEN BOW 138KV	93.6	-0.00947	-0.03609	41
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	GREERS FERRY 161KV	93.6	0.00026	-0.03274	45
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	JONESBORO 161KV	43	0.00013	-0.03261	45
AEPW	LEBROCK 345KV	232	-0.04556	AEPW	NARROWS 69KV	22	-0.0133	-0.03226	45
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	SINCESTON 161KV	235	-0.00014	-0.03234	45
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	BULL SHOALS 161KV	279.4	-0.0007	-0.03178	46
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	CLARENCE CANNON DAM 69KV	39.4	-0.00091	-0.03157	46
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	FITZHUGH 161KV	101	-0.00078	-0.0317	46
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	OZARK 161KV	150.6	-0.00077	-0.03171	46
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	OKGE	AEZ 161KV	320	-0.00111	-0.03137	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	LEPA	CITY OF HOUMA SUB 115KV	84	-0.00107	-0.03141	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	D.G. HUNTER POWER STATION 138KV	86.5168	-0.00123	-0.03125	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	LEPA	IRION SUB 230KV	25	-0.00104	-0.03144	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	ROBERT S. KERR 161KV	314.8	-0.00139	-0.03109	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	RODMASTER 230KV	651	-0.00104	-0.03144	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	TRULMAN 161KV	102	-0.00126	-0.03122	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	WILKES 345KV	191	-0.00102	-0.03146	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	ABILENE ENERGY CENTER 115KV	40	-0.00175	-0.03073	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	ASBURY 161KV	191	-0.00179	-0.03069	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	LEPA	BAYOU RAMOS 138KV	29.82431	-0.00153	-0.03095	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	BEAVER 161KV	139.1643	-0.00163	-0.03085	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	BPU - CITY OF MCPHERSON 115KV	157.1294	-0.0018	-0.03068	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	CARTHAGE 69KV	32	-0.00171	-0.03077	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CITY OF IOLA 69KV	24.471	-0.00192	-0.03056	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	EVANGELINE 138KV	141.4269	-0.00178	-0.0307	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	EVANGELINE 230KV	173.6403	-0.0016	-0.03068	47
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	HUTCHINSON ENERGY CENTER 115KV	315	-0.00182	-0.03066	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	HUTCHINSON ENERGY CENTER 69KV	40	-0.00182	-0.03066	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	JEFFREY ENERGY CENTER 230KV	470	-0.0017	-0.03078	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	JEFFREY ENERGY CENTER 345KV	940	-0.0017	-0.03078	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	LARUSSEL 161KV	116	-0.00165	-0.03083	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	LAWRENCE ENERGY CENTER 230KV	231.5762	-0.00167	-0.03081	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	RIVERTON 161KV	88.89612	-0.00182	-0.03066	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	RIVERTON 69KV	44.39298	-0.00181	-0.03067	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	STATE LINE 161KV	503	-0.0018	-0.03068	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	TECHE 138KV	227.5919	-0.00183	-0.03065	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	TECUMSEH ENERGY CENTER 115KV	158	-0.00168	-0.0308	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	CELE	ACADIA 138KV	307.0811	-0.0023	-0.03018	49
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CHANUTE 69KV	55.637	-0.00196	-0.03052	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CITY OF AUGUSTA 69KV	24	-0.00213	-0.03035	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CITY OF BURLINGTON 69KV	34.061	-0.00193	-0.03055	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CITY OF ERIE 69KV	23.374	-0.00196	-0.03052	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	EMDE	ELK RIVER 345KV	150	-0.00204	-0.03044	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	ELK RIVER WIND 34KV	100	-0.00204	-0.03044	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	EUFAULA 138KV	51	-0.00221	-0.03027	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	EUFAULA 161KV	69.8	-0.00221	-0.03027	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	EVANS ENERGY CENTER 138KV	565	-0.00217	-0.03031	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	FLINT CREEK 161KV	428	-0.00201	-0.03047	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	GILL ENERGY CENTER 138KV	171	-0.00216	-0.03032	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	GILL ENERGY CENTER 69KV	75	-0.00216	-0.03032	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	GRDA	GRDA1 161KV	190	-0.00218	-0.0303	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	GRDA	GRDA1 345KV	220	-0.00218	-0.0303	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	MATTISON 161KV	320	-0.00198	-0.0305	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	OKGE	MUSKOGEE 161KV	166	-0.0022	-0.03028	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	NORTHEASTERN STATION 138KV	472	-0.00233	-0.03015	49
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	NORTHEASTERN STATION 345KV	645	-0.00233	-0.03015	49
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	GRDA	PENSACOLA 161KV	33	-0.00208	-0.03034	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	GRDA	PENSACOLA 69KV	29.80457	-0.00208	-0.03034	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	GRDA	SALINA 161KV	26.50488	-0.00217	-0.03031	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	SWPA	WEBBERS FALLS 161KV	39.2	-0.00208	-0.03034	48
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	WERE	CITY OF WINFIELD 69KV	26.77	-0.00242	-0.03006	49
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	OKGE	MUSKOGEE 345KV	1516	-0.00248	-0.03	49
AEPW	LONESTAR POWER PLANT 69KV	50	-0.03248	AEPW	OEC 345KV	319	-0.00246	-0.03002	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: WICHITA - RENO 345KV
 Limiting Facility: HOYT - JEFFERY ENERGY CENTER 345KV CKT 1
 Direction: To->From
 Line Outage: JEFFERY ENERGY CENTER - MORRIS COUNTY 345KV CKT 1
 Flowgate: 56765567661567665677012108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 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)
	1162075	0.6	MIPU	ARIES 161KV	595	-0.01103	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.50928	2
	1162678	0.3	MIPU	ARIES 161KV	595	-0.01103	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.60299	2
	1162681	0.3	EMDE	ARSENAL HILL 69KV	75	0.00832	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.58304	2
			WERE	ASBURY 161KV	20	0.00608	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.58588	2
			WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.59189	2
			KACP	BULL CREEK 161KV	65	-0.03638	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.53463	2
			KACP	BULL CREEK 161KV	65	-0.03638	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.62834	2

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

WERE	'CHANUTE 69KV'	32.163	0.01074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58122	2
WERE	'CITY OF AUGUSTA 69KV'	8.840999	0.03524	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.55672	2
WERE	'CITY OF BURLINGTON 69KV'	21.939	0.01769	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57427	2
WERE	'CITY OF ERIE 69KV'	3.155999	0.01074	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58122	2
WERE	'CITY OF FREDONIA 69KV'	6.960999	0.01398	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57798	2
WERE	'CITY OF GIRARD 69KV'	6.108	0.00769	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58427	2
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58379	2
WERE	'CITY OF MULVANE 69KV'	7.5	0.03897	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.55299	2
WERE	'CITY OF WINFIELD 69KV'	13.23	0.03379	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.55817	2
AEWP	'COGENTRIX 345KV'	229	0.01519	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57677	2
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.0267	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56526	2
AEWP	'EASTMAN 138KV'	330.01	0.0097	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58226	2
WERE	'EVANS ENERGY CENTER 138KV'	217	0.04337	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.54859	2
AEWP	'FULTON 115KV'	8	0.00933	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58263	2
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53359	2
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.6273	2
WERE	'GETTY 69KV'	35	0.03464	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.55732	2
WERE	'GILL ENERGY CENTER 138KV'	64.99999	0.04398	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.54798	2
WERE	'GILL ENERGY CENTER 69KV'	38	0.04255	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.54941	2
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.51026	2
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.60397	2
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.58098	2
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.67469	2
OKGE	'HORSESHOE LAKE 138KV'	385.002	0.02379	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56817	2
KACY	'KAW 69KV'	192	-0.03259	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53092	2
KACY	'KAW 69KV'	192	-0.03259	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62455	2
AEWP	'KIOWA 345KV'	1348	0.0199	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57206	2
AEWP	'KNOXLEE 138KV'	198	0.00963	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58233	2
AEWP	'L&D13 69KV'	13	0.00983	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58213	2
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.5442	2
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.63791	2
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58656	2
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.91592	0.05628	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.53568	2
AEWP	'LEBRONCK 345KV'	382	0.00968	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58228	2
AEWP	'LIEBERMAN 138KV'	138.7861	0.00807	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58389	2
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.01008	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58188	2
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.51165	2
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.60536	2
AEWP	'MATTISON 161KV'	510	0.01018	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58178	2
OKGE	'MCCLAINE 138KV'	42	0.02471	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56725	2
AEWP	'MID-CONTINENT 138KV'	142.11	0.01225	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57971	2
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.51208	2
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.60579	2
OKGE	'MUSKOGEE 161KV'	31	0.01319	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57877	2
OKGE	'MUSKOGEE 345KV'	20	0.01419	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57777	2
AEWP	'NARROWS 69KV'	3	0.01204	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58447	2
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53095	2
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62466	2
MIPU	'NEVADA 69KV'	20.3	-0.0073	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.59926	2
AEWP	'NORTH MARSHALL 69KV'	5	0.00956	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.5824	2
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.52916	2
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62287	2
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.52916	2
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62287	2
AEWP	'ONE OAK 345KV'	1941.03	0.01433	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57765	2
OKGE	'ONE OAK 345KV'	200	0.02549	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56847	2
WERE	'OXFORD 138KV'	3	0.03465	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.55731	2
AEWP	'PIRKEY GENERATION 138KV'	25	0.00966	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.5823	2
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53091	2
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62462	2
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53088	2
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.62459	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.5091	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.60281	2
OKGE	'RED ROCK 345KV'	1059	0.02759	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56437	2
OKGE	'REDBUD 345KV'	850	0.02315	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56881	2
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.01515	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57681	2
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58459	2
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58475	2
OKGE	'SEMINOLE 138KV'	6.8974	0.023	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56896	2
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.52033	2
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.61404	2
MIPU	'SIBLEY 69KV'	1.20012	-0.02378	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.52203	2
MIPU	'SIBLEY 69KV'	1.20012	-0.02378	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.61574	2
OKGE	'SPOONER 138KV'	24.99997	0.0267	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56526	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02847	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56349	2
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.59837	2
WERE	'SOUTH SENECA 115KV'	16.7	0.01233	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56073	2
AEWP	'SOUTHWESTERN STATION 138KV'	321	0.02877	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56319	2
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58491	2
WERE	'TECUMSEH ENERGY CENTER 115KV'	15.27393	0.04488	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.54708	2
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.04409	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.54787	2
OKGE	'TINKER 5G 138KV'	62	0.02404	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56792	2
AEWP	'TULSA POWER STATION 138KV'	108	0.01499	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57697	2
AEWP	'TULSA POWER STATION 69KV'	80	0.01499	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57697	2
AEWP	'TURK 138KV'	608	0.01072	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58124	2
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.53841	2
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.63012	2
AEWP	'WELEETKA 138KV'	58	0.01744	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.57452	2
AEWP	'WILKES 138KV'	109.7319	0.00998	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.58198	2
OKGE	'WOODWARD 24KV'	9.3	0.03061	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.56135	2
AEWP	'ARSENAL HILL 69KV'	75	0.00892	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48933	3
EMDE	'ASBURY 161KV'	20	0.00608	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.49217	3
MIDW	'ATWOOD 115KV'	4	0.12157	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.37668	3
MIDW	'ATWOOD 115KV'	4	0.12157	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.47039	3
OKGE	'BROWN COUNTY 115KV'	5.5	0.00007	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.49818	3
WERE	'CHANUTE 69KV'	32.163	0.01074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48751	3
WEPL	'CIMARRON RIVER 115KV'	11.50916	0.12377	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.37448	3
WEPL	'CIMARRON RIVER 115KV'	11.50916	0.12377	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.46819	3
WERE	'CITY OF AUGUSTA 69KV'	8.840999	0.03524	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.46301	3
WERE	'CITY OF BURLINGTON 69KV'	21.939	0.01769	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48056	3
WERE	'CITY OF ERIE 69KV'	3.155999	0.01074	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48751	3
WERE	'CITY OF FREDONIA 69KV'	6.960999	0.01398	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48427	3
WERE	'CITY OF GIRARD 69KV'	6.108	0.00769	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.49056	3
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.49008	3
WERE	'CITY OF MULVANE 69KV'	7.5	0.03897	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.45528	3
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.08805	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.4102	3
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.08805	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.50391	3
WERE	'CITY OF WINFIELD 69KV'	13.23	0.03379	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.46446	3
AEWP	'COGENTRIX 345KV'	229	0.01519	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48306	3
MIDW	'COLBY 115KV'	9.816997	0.1158	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.38245	3
MIDW	'COLBY 115KV'	9.816997	0.1158	WERE	'JEFFREY ENERGY CENTER 345KV'	940	0.59196	-0.47616	3
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.0267	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.47155	3
AEWP	'EASTMAN 138KV'	330.01	0.0097	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.49825	-0.48855	

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

WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.45427	3
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.4557	3
MIDW	GREAT BEND PLANT 69KV	10	0.21498	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.37698	3
WEPL	GREENLEAF 115KV	8	0.18775	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.40421	3
WEPL	GREENSBURG 115KV	6.2	0.14041	WERE	JEFFREY ENERGY CENTER 345KV	940	0.49825	-0.45155	3
WEPL	HARPER 138KV	17.21	0.08787	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.41038	3
WEPL	HARPER 138KV	17.21	0.08787	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.50409	3
WERE	HOLTON 115KV	19.8	-0.08273	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.37404	3
WERE	HOLTON 115KV	19.8	-0.08273	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.37997	3
WERE	HOLTON 115KV	19.8	-0.08273	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.38908	3
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47446	3
AEPW	KIOWA 345KV	1348	0.01999	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47835	3
AEPW	KNOXLEE 138KV	198	0.00963	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48862	3
AEPW	LAD13 69KV	13	0.00983	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48842	3
EMDE	LARUSSEL 161KV	180	0.0054	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.49285	3
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.44197	3
AEPW	LEBROCK 345KV	382	0.00968	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48857	3
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48918	3
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48817	3
MIDW	lyons 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.39326	3
AEPW	MATTISON 161KV	510	0.01018	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48807	3
OKGE	MCCLAINE 138KV	42	0.02471	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47354	3
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.486	3
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48506	3
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48406	3
AEPW	NARROWS 69KV	3	0.01204	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48521	3
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.50555	3
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48869	3
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.21855	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.37341	3
AEPW	OEC 345KV	1941.03	0.01433	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48392	3
OKGE	ONE OAK 345KV	200	0.02549	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47276	3
WERE	OXFORD 138KV	3	0.03465	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.4636	3
MIDW	pawnee 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.39326	3
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48859	3
OKGE	RED ROCK 345KV	1050	0.02759	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47066	3
OKGE	REBUO 345KV	850	0.0235	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47151	3
MIDW	rice 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.39326	3
AEPW	RIVERSIDE STATION 138KV	76.00023	0.01515	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.4831	3
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.49088	3
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.49104	3
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47525	3
OKGE	SOONER 138KV	24.99997	0.0267	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47155	3
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.46978	3
WEPL	SOUTH DODGE 115KV	4.2	0.14126	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.4507	3
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.50468	3
WERE	SOUTH SENECA 115KV	16.7	0.0123	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.46702	3
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.46948	3
WERE	ST JOHN 115KV	7.5	0.20873	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.38323	3
EMDE	STATE LINE 161KV	103	0.00705	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.4912	3
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.45337	3
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.45416	3
OKGE	TINKER 5G 138KV	62	0.02404	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.47421	3
AEPW	TULSA POWER STATION 138KV	108	0.01499	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48326	3
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48326	3
AEPW	TURK 138KV	608	0.01072	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48753	3
AEPW	WELKITKA 138KV	58	0.01744	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48081	3
AEPW	WILKES 138KV	109.7319	0.00998	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.48827	3
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.46764	3
WERE	ABILENE ENERGY CENTER 115KV	5.999996	0.29131	WERE	ABILENE ENERGY CENTER 345KV	940	0.59196	-0.30065	4
MIPU	ARIES 161KV	595	-0.01103	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.30234	4
MIPU	ARIES 161KV	595	-0.01103	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.30827	4
MIPU	ARIES 161KV	595	-0.01103	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28455	4
MIPU	ARIES 161KV	595	-0.01103	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.28448	4
MIPU	ARIES 161KV	595	-0.01103	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.31738	4
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28235	4
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.2832	4
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29743	4
EMDE	ASBURY 161KV	20	0.00608	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28523	4
EMDE	ASBURY 161KV	20	0.00608	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.29116	4
EMDE	ASBURY 161KV	20	0.00608	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.30027	4
WEPL	BELOIT 115KV	16.6	0.29356	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.2984	4
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.29724	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.29472	4
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.29124	4
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.29177	4
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.30528	4
KACP	BULL CREEK 161KV	65	-0.03638	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32769	4
KACP	BULL CREEK 161KV	65	-0.03638	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.33362	4
KACP	BULL CREEK 161KV	65	-0.03638	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.3099	4
KACP	BULL CREEK 161KV	65	-0.03638	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30983	4
KACP	BULL CREEK 161KV	65	-0.03638	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.34273	4
WERE	CHANUTE 69KV	32.163	0.01074	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.2865	4
WERE	CHANUTE 69KV	32.163	0.01074	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29561	4
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28866	4
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.2865	4
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29561	4
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28326	4
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29237	4
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28362	4
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28955	4
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29866	4
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28314	4
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28907	4
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29818	4
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.27472	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.31724	4
AEPW	COCENTRIX 345KV	229	0.01519	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28205	4
AEPW	COCENTRIX 345KV	229	0.01519	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29116	4
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28754	4
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29665	4
AEPW	FULTON 115KV	8	0.00933	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28198	4
AEPW	FULTON 115KV	8	0.00933	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28791	4
AEPW	FULTON 115KV	8	0.00933	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29702	4
KACP	GARDNER 161KV	11	-0.03534	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32665	4
KACP	GARDNER 161KV	11	-0.03534	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.33258	4
KACP	GARDNER 161KV	11	-0.03534	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30886	4
KACP	GARDNER 161KV	11	-0.03534	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30879	4
KACP	GARDNER 161KV	11	-0.03534	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.34169	4
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.34973	4
MIDW	GREAT BEND PLANT 69KV	10	0.21498	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.28327	4
WEPL	GREENLEAF 115KV	8	0.18775	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.3105	4
WEPL	GREENSBURG 115KV	6.2	0.14041	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.35784	4
MIPU	GREENWOOD 161KV	255.8	-0.01201	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.30332	4
MIPU	GREENWOOD 161KV	255.8	-0.01201	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.30925	4
MIPU	GREENWOOD 161KV	255.8	-0.01201	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28553	4
MIPU	GREENWOOD 161KV	255.8	-0.01201	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.28546	4
MIPU	GREENWOOD 161KV	255.8	-0.01201	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.31936	4
WERE	HOLTON 115KV	19.8	-0.08273	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.		

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

OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28256	4
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.27352	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.31844	4
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.27345	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.31851	4
KACY	KAW 69KV	192	-0.03259	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.3239	4
KACY	KAW 69KV	192	-0.03259	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.29883	4
KACY	KAW 69KV	192	-0.03259	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30611	4
KACY	KAW 69KV	192	-0.03259	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30604	4
KACY	KAW 69KV	192	-0.03259	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33894	4
AEPW	KIOWA 345KV	1348	0.01999	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28645	4
AEPW	KNOXLEE 138KV	198	0.00963	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28761	4
AEPW	KNOXLEE 138KV	198	0.00963	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29672	4
AEPW	L&D13 69KV	13	0.00983	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28741	4
AEPW	L&D13 69KV	13	0.00983	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29652	4
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.33726	4
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.34319	4
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.31947	4
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.3194	4
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.3523	4
EMDE	LARUSSEL 161KV	180	0.0054	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28591	4
EMDE	LARUSSEL 161KV	180	0.0054	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.29184	4
EMDE	LARUSSEL 161KV	180	0.0054	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.30095	4
AEPW	LEBROCK 345KV	382	0.00968	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28756	4
AEPW	LEBROCK 345KV	382	0.00968	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29667	4
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28224	4
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28917	4
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29517	4
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28716	4
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29627	4
MIDW	lyons 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.29955	4
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.30471	4
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.31064	4
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28692	4
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.28685	4
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.31975	4
AEPW	MATTISON 161KV	510	0.01018	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28705	4
AEPW	MATTISON 161KV	510	0.01018	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29517	4
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28499	4
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.2941	4
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.30514	4
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.31107	4
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28735	4
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.28728	4
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.32018	4
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28405	4
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29316	4
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28305	4
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29216	4
AEPW	NARROWS 69KV	3	0.01204	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.2852	4
AEPW	NARROWS 69KV	3	0.01204	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29431	4
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32401	4
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.32994	4
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30622	4
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30615	4
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33905	4
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.29681	4
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.30454	4
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.31365	4
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28768	4
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29679	4
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32222	4
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.32815	4
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30443	4
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30436	4
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33726	4
KACP	NORTHEAST 161KV	209	-0.03091	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32222	4
KACP	NORTHEAST 161KV	209	-0.03091	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.32815	4
KACP	NORTHEAST 161KV	209	-0.03091	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30443	4
KACP	NORTHEAST 161KV	209	-0.03091	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30436	4
KACP	NORTHEAST 161KV	209	-0.03091	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33726	4
AEPW	OEC 345KV	1941.03	0.01433	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28291	4
AEPW	OEC 345KV	1941.03	0.01433	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29202	4
MIDW	pawnee 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.29955	4
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28758	4
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29669	4
WEPL	PLAINVILLE 151KV	5.79	0.02028	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.34168	4
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32397	4
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.3299	4
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30618	4
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30611	4
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33901	4
KACY	QUINDARO 69KV	100	-0.03263	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.32394	4
KACY	QUINDARO 69KV	100	-0.03263	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.32987	4
KACY	QUINDARO 69KV	100	-0.03263	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.30615	4
KACY	QUINDARO 69KV	100	-0.03263	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.30608	4
KACY	QUINDARO 69KV	100	-0.03263	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.33996	4
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.30216	4
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.30809	4
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28437	4
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2843	4
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.3172	4
OKGE	REDBUD 345KV	850	0.02315	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.2832	4
MIDW	rice 115kv	999	0.1987	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.29955	4
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28209	4
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.2912	4
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28394	4
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28987	4
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29898	4
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.2841	4
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.29003	4
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29914	4
WEPL	RUSSELL 115KV	27.9	0.23953	WERE	JEFFREY ENERGY CENTER 345KV	940	0.59196	-0.35243	4
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28335	4
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.31339	4
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.31932	4
MIPU	SIBLEY 161KV	19.629							

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

AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28225	4
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29136	4
AEPW	TURK 138KV	608	0.01072	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28652	4
AEPW	TURK 138KV	608	0.01072	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29563	4
MIPU	TWA 161KV	32.1	-0.03816	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25977	4
MIPU	TWA 161KV	32.1	-0.03816	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.23544	4
MIPU	TWA 161KV	32.1	-0.03816	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.31168	4
MIPU	TWA 161KV	32.1	-0.03816	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.31161	4
MIPU	TWA 161KV	32.1	-0.03816	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.34451	4
AEPW	WLEETKA 138KV	58	0.01744	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28891	4
AEPW	WILKES 138KV	109.7319	0.00998	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.28726	4
AEPW	WILKES 138KV	109.7319	0.00998	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.29637	4
MIPU	ARIES 161KV	595	-0.01103	WEPL	CLIFTON 115KV	65	0.23153	-0.24256	5
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.2646	5
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26453	5
EMDE	ASBURY 161KV	20	0.00608	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26744	5
EMDE	ASBURY 161KV	20	0.00608	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26737	5
WERE	BROWN COUNTY 115KV	5.5	0.00007	WEPL	CLIFTON 115KV	65	0.23153	-0.23146	5
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.27345	5
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.27338	5
KACP	BULL CREEK 161KV	65	-0.03638	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25493	5
KACP	BULL CREEK 161KV	65	-0.03638	WEPL	CLIFTON 115KV	65	0.23153	-0.26791	5
WERE	CHANUTE 69KV	32.163	0.01074	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28057	5
WERE	CHANUTE 69KV	32.163	0.01074	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26278	5
WERE	CHANUTE 69KV	32.163	0.01074	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26271	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25607	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.262	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23828	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.23821	5
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27111	5
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27362	5
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27955	5
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25583	5
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25576	5
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28057	5
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26278	5
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26271	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27733	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25954	5
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25947	5
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26583	5
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26576	5
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26535	5
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26528	5
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25234	5
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26278	5
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23455	5
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.23448	5
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.26738	5
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25752	5
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26345	5
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23973	5
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.23966	5
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27256	5
AEPW	COGENTRIX 345KV	229	0.01519	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27612	5
AEPW	COGENTRIX 345KV	229	0.01519	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25833	5
AEPW	COGENTRIX 345KV	229	0.01519	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25826	5
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26461	5
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27054	5
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24682	5
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24675	5
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27965	5
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28161	5
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26382	5
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26375	5
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.24794	5
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.25387	5
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.26288	5
AEPW	FULTON 115KV	8	0.00933	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26419	5
AEPW	FULTON 115KV	8	0.00933	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26412	5
KACP	GARDNER 161KV	11	-0.03534	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25389	5
KACP	GARDNER 161KV	11	-0.03534	WEPL	CLIFTON 115KV	65	0.23153	-0.26687	5
WERE	GETTY 69KV	35	0.03464	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25667	5
WERE	GETTY 69KV	35	0.03464	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.2626	5
WERE	GETTY 69KV	35	0.03464	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23888	5
WERE	GETTY 69KV	35	0.03464	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.23881	5
WERE	GETTY 69KV	35	0.03464	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27171	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.24733	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.25326	5
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.26237	5
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.24876	5
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.25469	5
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23097	5
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2309	5
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.2638	5
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.26602	5
MIPU	GREENWOOD 161KV	255.8	-0.01201	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.23056	5
MIPU	GREENWOOD 161KV	255.8	-0.01201	WEPL	CLIFTON 115KV	65	0.23153	-0.24354	5
WERE	HOLTON 115KV	19.8	-0.08273	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.23078	5
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26752	5
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27345	5
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24973	5
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24966	5
KACY	KAW 69KV	192	-0.03259	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25114	5
KACY	KAW 69KV	192	-0.03259	WEPL	CLIFTON 115KV	65	0.23153	-0.26412	5
AEPW	KIOWA 345KV	1348	0.0199	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27141	5
AEPW	KIOWA 345KV	1348	0.0199	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27734	5
AEPW	KIOWA 345KV	1348	0.0199	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25362	5
AEPW	KIOWA 345KV	1348	0.0199	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25355	5
AEPW	KNOXLEE 138KV	198	0.00963	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28168	5
AEPW	KNOXLEE 138KV	198	0.00963	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26389	5
AEPW	KNOXLEE 138KV	198	0.00963	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26382	5
AEPW	L&D13 69KV	13	0.00983	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28148	5
AEPW	L&D13 69KV	13	0.00983	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26369	5
AEPW	L&D13 69KV	13	0.00983	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26362	5
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.26445	5
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	CLIFTON 115KV	65	0.23153	-0.27748	5
EMDE	LARUSSEL 161KV	180	0.0054	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26812	5
EMDE	LARUSSEL 161KV	180	0.0054	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26805	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.23503	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.24096	5
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.25007	5
AEPW	LEBROCK 345KV	382	0.00968	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28163	5
AEPW	LEBROCK 345KV	382	0.00968	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26384	5
AEPW	LEBROCK 345KV	382	0.00968	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26377	5
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.	

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

AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26337	5
KACP	MARSHALL 161KV	54.1	-0.0134	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.23195	5
KACP	MARSHALL 161KV	54.1	-0.0134	WEPL	CLIFTON 115KV	65	0.23153	-0.24493	5
AEPW	MATTISON 161KV	510	0.01018	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28113	5
AEPW	MATTISON 161KV	510	0.01018	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26334	5
AEPW	MATTISON 161KV	510	0.01018	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26327	5
OKGE	MCCLAIN 138KV	42	0.02471	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26666	5
OKGE	MCCLAIN 138KV	42	0.02471	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27253	5
OKGE	MCCLAIN 138KV	42	0.02471	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24881	5
OKGE	MCCLAIN 138KV	42	0.02471	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24874	5
OKGE	MCCLAIN 138KV	42	0.02471	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28164	5
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27906	5
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26127	5
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2612	5
KACP	MONTRORSE 161KV	18.53572	-0.01383	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.23238	5
KACP	MONTRORSE 161KV	18.53572	-0.01383	WEPL	CLIFTON 115KV	65	0.23153	-0.24536	5
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27812	5
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26033	5
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26026	5
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27712	5
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25933	5
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25926	5
AEPW	NARROWS 69KV	3	0.01204	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27927	5
AEPW	NARROWS 69KV	3	0.01204	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26148	5
AEPW	NARROWS 69KV	3	0.01204	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26141	5
KACP	NEARMAN 161KV	19.81311	-0.0327	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.24125	5
KACP	NEARMAN 161KV	19.81311	-0.0327	WEPL	CLIFTON 115KV	65	0.23153	-0.26423	5
MIPU	NEVADA 69KV	20.3	-0.0073	WEPL	CLIFTON 115KV	65	0.23153	-0.23883	5
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.28082	5
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.28075	5
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28175	5
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26396	5
AEPW	NORTH MARSHALL 69KV	5	0.00956	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26389	5
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.21855	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.2797	5
KACP	NORTHEAST 13KV	176.9458	-0.03091	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.24946	5
KACP	NORTHEAST 13KV	176.9458	-0.03091	WEPL	CLIFTON 115KV	65	0.23153	-0.26244	5
KACP	NORTHEAST 161KV	209	-0.03091	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.24946	5
KACP	NORTHEAST 161KV	209	-0.03091	WEPL	CLIFTON 115KV	65	0.23153	-0.26244	5
AEPW	OEC 345KV	1941.03	0.01433	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27698	5
AEPW	OEC 345KV	1941.03	0.01433	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25919	5
AEPW	OEC 345KV	1941.03	0.01433	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25912	5
OKGE	ONE OAK 345KV	200	0.02549	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26582	5
OKGE	ONE OAK 345KV	200	0.02549	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27175	5
OKGE	ONE OAK 345KV	200	0.02549	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24803	5
OKGE	ONE OAK 345KV	200	0.02549	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24796	5
OKGE	ONE OAK 345KV	200	0.02549	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.28086	5
WERE	OXFORD 138KV	3	0.03465	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.25666	5
WERE	OXFORD 138KV	3	0.03465	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26259	5
WERE	OXFORD 138KV	3	0.03465	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23887	5
WERE	OXFORD 138KV	3	0.03465	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2388	5
WERE	OXFORD 138KV	3	0.03465	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.2717	5
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28165	5
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26386	5
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26379	5
WEPL	PLAINVILLE 115KV	5.79	0.25028	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.24797	5
KACP	QUINDARO 161KV	67.60625	-0.03266	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25121	5
KACP	QUINDARO 161KV	67.60625	-0.03266	WEPL	CLIFTON 115KV	65	0.23153	-0.26419	5
KACP	QUINDARO 69KV	100	-0.02663	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25118	5
KACP	QUINDARO 69KV	100	-0.02663	WEPL	CLIFTON 115KV	65	0.23153	-0.26416	5
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WEPL	CLIFTON 115KV	65	0.23153	-0.24238	5
OKGE	RED ROCK 345KV	1050	0.02759	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26372	5
OKGE	RED ROCK 345KV	1050	0.02759	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26965	5
OKGE	RED ROCK 345KV	1050	0.02759	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24593	5
OKGE	RED ROCK 345KV	1050	0.02759	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24586	5
OKGE	RED ROCK 345KV	1050	0.02759	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27876	5
OKGE	REDBUD 345KV	850	0.02315	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26816	5
OKGE	REDBUD 345KV	850	0.02315	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27409	5
OKGE	REDBUD 345KV	850	0.02315	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25037	5
OKGE	REDBUD 345KV	850	0.02315	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2503	5
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27616	5
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25837	5
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.2583	5
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26615	5
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26608	5
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26631	5
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26624	5
WEPL	RUSSELL 115KV	27.9	0.23953	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.25872	5
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26831	5
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27424	5
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25052	5
OKGE	SEMINOLE 138KV	6.8974	0.023	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25045	5
MIPU	SIBLEY 161KV	19.62943	-0.02208	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.24063	5
MIPU	SIBLEY 161KV	19.62943	-0.02208	WEPL	CLIFTON 115KV	65	0.23153	-0.25361	5
OKGE	SOONER 138KV	24.99997	0.0267	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26461	5
OKGE	SOONER 138KV	24.99997	0.0267	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27054	5
OKGE	SOONER 138KV	24.99997	0.0267	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24682	5
OKGE	SOONER 138KV	24.99997	0.0267	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24675	5
OKGE	SOONER 138KV	24.99997	0.0267	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27965	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26284	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26877	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24505	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24498	5
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27788	5
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WEPL	CLIFTON 115KV	65	0.23153	-0.23794	5
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.27993	5
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.27986	5
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26008	5
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26601	5
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24229	5
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24222	5
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27512	5
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.26254	5
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26847	5
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24475	5
AEPW	SOUTHWESTERN STATION 138KV								

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

AEPW	TULSA POWER STATION 138KV	108	0.01499	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25853	5
AEPW	TULSA POWER STATION 138KV	108	0.01499	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25846	5
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27632	5
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25853	5
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25846	5
AEPW	TURK 138KV	608	0.01072	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28059	5
AEPW	TURK 138KV	608	0.01072	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26228	5
AEPW	TURK 138KV	608	0.01072	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26273	5
MIPU	TWA 161KV	32.1	-0.03816	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.25671	5
MIPU	TWA 161KV	32.1	-0.03816	WEPL	CLIFTON 115KV	65	0.23153	-0.26969	5
AEPW	WEELETKA 138KV	58	0.01744	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.27387	5
AEPW	WEELETKA 138KV	58	0.01744	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.27798	5
AEPW	WEELETKA 138KV	58	0.01744	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.25608	5
AEPW	WEELETKA 138KV	58	0.01744	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.25601	5
AEPW	WILKES 138KV	109.7319	0.00998	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.28133	5
AEPW	WILKES 138KV	109.7319	0.00998	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.26354	5
AEPW	WILKES 138KV	109.7319	0.00998	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.26347	5
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.2607	5
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.26663	5
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.24291	5
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.24284	5
OKGE	WOODWARD 24KV	9.3	0.03061	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.27574	5
WERE	ABILENE ENERGY CENTER 115KV	5.99996	0.29131	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.20694	6
MIPU	AKIES 161KV	595	-0.01103	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.22968	6
AEPW	ARSENAL HILL 69KV	75	0.00892	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20963	6
EMDE	ARSENAL HILL 69KV	75	0.00892	WEPL	CLIFTON 115KV	65	0.23153	-0.21384	6
EMDE	ASBURY 161KV	20	0.00608	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21247	6
EMDE	ASBURY 161KV	20	0.00608	WEPL	CLIFTON 115KV	65	0.23153	-0.22545	6
WEPL	BELOIT 115KV	16.6	0.29356	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.20469	6
WERE	BPU - CITY OF MCPHERSON 115KV	39	0.29724	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.20101	6
WERE	BROWN COUNTY 115KV	5.5	0.00007	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21848	6
WERE	CHANUTE 69KV	32.163	0.01074	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20781	6
WERE	CHANUTE 69KV	32.163	0.01074	WEPL	CLIFTON 115KV	65	0.23153	-0.22079	6
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WEPL	CLIFTON 115KV	65	0.23153	-0.19629	6
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20086	6
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WEPL	CLIFTON 115KV	65	0.23153	-0.21384	6
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20781	6
WERE	CITY OF ERIE 69KV	3.155999	0.01074	WEPL	CLIFTON 115KV	65	0.23153	-0.22079	6
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20457	6
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WEPL	CLIFTON 115KV	65	0.23153	-0.21755	6
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21086	6
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WEPL	CLIFTON 115KV	65	0.23153	-0.22384	6
WERE	CITY OF IOLA 69KV	13.157	0.00817	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21038	6
WERE	CITY OF IOLA 69KV	13.157	0.00817	WEPL	CLIFTON 115KV	65	0.23153	-0.22336	6
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08005	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.20326	6
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08005	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.20919	6
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08005	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.21183	6
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WEPL	CLIFTON 115KV	65	0.23153	-0.19774	6
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.27472	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.22353	6
AEPW	COGENTRIX 345KV	229	0.01519	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20336	6
AEPW	COGENTRIX 345KV	229	0.01519	WEPL	CLIFTON 115KV	65	0.23153	-0.21634	6
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WEPL	CLIFTON 115KV	65	0.23153	-0.20483	6
AEPW	EASTMAN 138KV	330.01	0.0097	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20885	6
AEPW	EASTMAN 138KV	330.01	0.0097	WEPL	CLIFTON 115KV	65	0.23153	-0.22183	6
WERE	EMPORIA 345KV	518	0.1048	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.20175	6
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.23015	6
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.23008	6
AEPW	FULTON 115KV	8	0.00933	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20922	6
AEPW	FULTON 115KV	8	0.00933	WEPL	CLIFTON 115KV	65	0.23153	-0.2222	6
WERE	GETTY 69KV	35	0.03464	WEPL	CLIFTON 115KV	65	0.23153	-0.19889	6
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.22954	6
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.22947	6
WEPL	HARPER 138KV	17.21	0.08787	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.20344	6
WEPL	HARPER 138KV	17.21	0.08787	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.20937	6
WEPL	HARPER 138KV	17.21	0.08787	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.21848	6
WERE	HOLTON 115KV	19.8	-0.08273	MIOW	CHAMARRON RIVER 115KV	33.49034	0.12377	-0.20365	6
WERE	HOLTON 115KV	19.8	-0.08273	MIOW	COLBY 115KV	3.183003	0.1158	-0.19853	6
WERE	HOLTON 115KV	19.8	-0.08273	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.22399	6
WERE	HOLTON 115KV	19.8	-0.08273	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.22388	6
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WEPL	CLIFTON 115KV	65	0.23153	-0.20774	6
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.27352	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.22473	6
WERE	HUTCHINSON ENERGY CENTER 69KV	12	0.27345	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.22248	6
AEPW	KIOWA 345KV	1348	0.0199	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19865	6
AEPW	KIOWA 345KV	1348	0.0199	WEPL	CLIFTON 115KV	65	0.23153	-0.21163	6
AEPW	KNOXLEE 138KV	198	0.00963	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20992	6
AEPW	KNOXLEE 138KV	198	0.00963	WEPL	CLIFTON 115KV	65	0.23153	-0.22149	6
AEPW	LAD13 69KV	13	0.00983	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20872	6
AEPW	LAD13 69KV	13	0.00983	WEPL	CLIFTON 115KV	65	0.23153	-0.2217	6
EMDE	LARUSSEL 161KV	180	0.0054	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21315	6
EMDE	LARUSSEL 161KV	180	0.0054	WEPL	CLIFTON 115KV	65	0.23153	-0.22613	6
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.21724	6
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.21717	6
AEPW	LEBROCK 345KV	382	0.00968	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20887	6
AEPW	LEBROCK 345KV	382	0.00968	WEPL	CLIFTON 115KV	65	0.23153	-0.22185	6
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20948	6
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WEPL	CLIFTON 115KV	65	0.23153	-0.22246	6
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20847	6
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WEPL	CLIFTON 115KV	65	0.23153	-0.22145	6
AEPW	MATTISON 161KV	510	0.01018	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20837	6
AEPW	MATTISON 161KV	510	0.01018	WEPL	CLIFTON 115KV	65	0.23153	-0.22135	6
OKGE	MCCLAIN 138KV	42	0.02471	WEPL	CLIFTON 115KV	65	0.23153	-0.20682	6
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.2063	6
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WEPL	CLIFTON 115KV	65	0.23153	-0.21928	6
OKGE	MUSKOGEE 161KV	31	0.01319	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20536	6
OKGE	MUSKOGEE 161KV	31	0.01319	WEPL	CLIFTON 115KV	65	0.23153	-0.21934	6
OKGE	MUSKOGEE 345KV	20	0.01419	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20436	6
OKGE	MUSKOGEE 345KV	20	0.01419	WEPL	CLIFTON 115KV	65	0.23153	-0.21734	6
AEPW	NARROWS 69KV	3	0.01204	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20651	6
AEPW	NARROWS 69KV	3	0.01204	WEPL	CLIFTON 115KV	65	0.23153	-0.21949	6
MIPU	NEVADA 69KV	20.3	-0.0073	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.22585	6
AEPW	NORTH MARSHALL 69KV	5	0.00956	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20899	6
AEPW	NORTH MARSHALL 69KV	5	0.00956	WEPL	CLIFTON 115KV	65	0.23153	-0.22197	6
AEPW	OEC 345KV	1941.03	0.01433	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20422	6
AEPW	OEC 345KV	1941.03	0.01433	WEPL	CLIFTON 115KV	65	0.23153	-0.21722	6
OKGE	ONE OAK 345KV	200	0.02549	WEPL	CLIFTON 115KV	65	0.23153	-0.20504	6
WERE	OXFORD 138KV	3	0.03465	WEPL	CLIFTON 115KV	65	0.23153	-0.19889	6
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20889	6
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WEPL	CLIFTON 115KV	65	0.23153	-0.22187	6
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.22294	6
OKGE	RED ROCK 345KV	1050	0.02759	WEPL	CLIFTON 115KV	65	0.23153	-0.20394	6
OKGE	REDBUD 345KV	850	0.02315	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.1954	6
OKGE	REDBUD 345KV	850	0.02315	WEPL	CLIFTON 115KV	65	0.23153	-0.20838	6
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.2034	6
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WEPL	CLIFTON 115KV	65	0.23153	-0.21638	6
EMDE	RIVERTON 161KV	126.546	0.00737	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.21118	6
EMDE	RIVERTON 161KV	126.546	0.00737	WEPL	CLIFTON 115KV	65	0.23153	-0.	

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

OKGE	SEMINOLE 138KV	6.8974	0.023	WEPL	CLIFTON 115KV	65	0.23153	-0.20853	6
WEPL	SMITH CENTER 115KV	6.15	0.27506	WERE	JEFFREY ENERGY CENTER 230KV	470	0.49825	-0.22319	6
OKGE	SOONER 138KV	24.9997	0.0267	WEPL	CLIFTON 115KV	65	0.23153	-0.20483	6
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	CLIFTON 115KV	65	0.23153	-0.20306	6
MIPU	SOUTH HARPER 161KV	34.51287	0.02657	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.22496	6
OKGE	SOUTH SENECA 115KV	16.7	0.03123	WEPL	CLIFTON 115KV	65	0.23153	-0.2003	6
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	CLIFTON 115KV	65	0.23153	-0.20278	6
EMDE	STATE LINE 161KV	103	0.00705	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.2115	6
EMDE	STATE LINE 161KV	103	0.00705	WEPL	CLIFTON 115KV	65	0.23153	-0.22448	6
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.22864	6
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.22857	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.22943	6
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.22936	6
OKGE	TINKER 5G 138KV	62	0.02404	WEPL	CLIFTON 115KV	65	0.23153	-0.20749	6
AEPW	TULSA POWER STATION 138KV	108	0.01499	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20356	6
AEPW	TULSA POWER STATION 138KV	108	0.01499	WEPL	CLIFTON 115KV	65	0.23153	-0.21854	6
AEPW	TULSA POWER STATION 69KV	80	0.01499	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20356	6
AEPW	TULSA POWER STATION 69KV	80	0.01499	WEPL	CLIFTON 115KV	65	0.23153	-0.21854	6
AEPW	TURK 138KV	608	0.01072	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20783	6
AEPW	TURK 138KV	608	0.01072	WEPL	CLIFTON 115KV	65	0.23153	-0.22081	6
AEPW	WELEETKA 138KV	58	0.01744	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20111	6
AEPW	WELEETKA 138KV	58	0.01744	WEPL	CLIFTON 115KV	65	0.23153	-0.21409	6
AEPW	WILKES 138KV	109.7319	0.00998	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.20857	6
AEPW	WILKES 138KV	109.7319	0.00998	WEPL	CLIFTON 115KV	65	0.23153	-0.22155	6
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	CLIFTON 115KV	65	0.23153	-0.20992	6
MIDW	ATWOOD 115KV	4	0.12157	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.16974	7
MIDW	ATWOOD 115KV	4	0.12157	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.17567	7
MIDW	ATWOOD 115KV	4	0.12157	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.18478	7
KACP	BULL CREEK 161KV	65	-0.03638	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17764	7
KACP	BULL CREEK 161KV	65	-0.03638	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17753	7
KACP	BULL CREEK 161KV	65	-0.03638	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18443	7
WEPL	CIMARRON RIVER 115KV	11.50916	0.12377	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.17347	7
WEPL	CIMARRON RIVER 115KV	11.50916	0.12377	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.18258	7
WERE	CITY OF AUGUSTA 69KV	8.84099	0.03524	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18331	7
WERE	CITY OF MULVANE 69KV	7.5	0.1046	WERE	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.17958	7
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WERE	CLIFTON 115KV	65	0.23153	-0.19256	7
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08805	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.18547	7
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08805	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.1854	7
WERE	CITY OF WINFIELD 69KV	13.23	0.0379	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18476	7
MIDW	COLBY 115KV	9.816997	0.1158	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.17551	7
MIDW	COLBY 115KV	9.816997	0.1158	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.18144	7
MIDW	COLBY 115KV	9.816997	0.1158	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.19055	7
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19185	7
WERE	EMPORIA 345KV	518	0.1046	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.18671	7
WERE	EMPORIA 345KV	518	0.1046	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.19264	7
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.17618	7
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WEPL	CLIFTON 115KV	65	0.23153	-0.18816	7
KACP	GARDNER 161KV	11	-0.03534	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.1766	7
KACP	GARDNER 161KV	11	-0.03534	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17649	7
KACP	GARDNER 161KV	11	-0.03534	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18339	7
WERE	GETTY 69KV	35	0.03464	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18391	7
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.17457	7
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	CLIFTON 115KV	65	0.23153	-0.18755	7
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.176	7
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	CLIFTON 115KV	65	0.23153	-0.18998	7
WEPL	HARPER 138KV	17.21	0.08787	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.18565	7
WEPL	HARPER 138KV	17.21	0.08787	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.18558	7
WERE	HOLTON 115KV	19.8	-0.08273	WERE	EMPORIA 345KV	310	0.1046	-0.18733	7
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19476	7
KACY	KAW 69KV	192	-0.03259	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17385	7
KACY	KAW 69KV	192	-0.03259	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17374	7
KACY	KAW 69KV	192	-0.03259	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18064	7
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.16972	7
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.18721	7
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.1871	7
MIPU	LAKE ROAD 161KV	91	-0.04595	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.194	7
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WEPL	CLIFTON 115KV	65	0.23153	-0.17525	7
OKGE	MCCLAIN 138KV	42	0.02471	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19384	7
KACY	NEARMAN 161KV	19.81311	-0.0327	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17396	7
KACY	NEARMAN 161KV	19.81311	-0.0327	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17385	7
KACY	NEARMAN 161KV	19.81311	-0.0327	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18075	7
KACP	NORTHEAST 13KV	176.9458	-0.03091	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17217	7
KACP	NORTHEAST 13KV	176.9458	-0.03091	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17206	7
KACP	NORTHEAST 13KV	176.9458	-0.03091	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.17896	7
KACP	NORTHEAST 161KV	209	-0.03091	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17217	7
KACP	NORTHEAST 161KV	209	-0.03091	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17206	7
KACP	NORTHEAST 161KV	209	-0.03091	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.17896	7
OKGE	ONE OAK 345KV	200	0.02549	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19306	7
WERE	OXFORD 138KV	3	0.04665	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.1839	7
KACY	QUINDARO 161KV	67.60625	-0.03266	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17392	7
KACY	QUINDARO 161KV	67.60625	-0.03266	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17381	7
KACY	QUINDARO 161KV	67.60625	-0.03266	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18071	7
KACY	QUINDARO 69KV	100	-0.03263	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17389	7
KACY	QUINDARO 69KV	100	-0.03263	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17378	7
KACY	QUINDARO 69KV	100	-0.03263	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18068	7
OKGE	RED ROCK 345KV	1050	0.02759	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19096	7
MIPU	SIBLEY 161KV	19.62943	-0.02208	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.17013	7
OKGE	SOONER 138KV	24.9997	0.0267	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19185	7
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19008	7
WERE	SOUTH SENECA 115KV	16.7	0.03123	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18732	7
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18978	7
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.17367	7
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WEPL	CLIFTON 115KV	65	0.23153	-0.18665	7
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.17446	7
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WEPL	CLIFTON 115KV	65	0.23153	-0.18744	7
OKGE	TINKER 5G 138KV	62	0.02404	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.19451	7
MIPU	TWA 161KV	32.1	-0.03816	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.17942	7
MIPU	TWA 161KV	32.1	-0.03816	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.17931	7
MIPU	TWA 161KV	32.1	-0.03816	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.18621	7
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.18794	7
MIPU	ARIES 161KV	595	-0.01103	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.15229	8
MIPU	ARIES 161KV	595	-0.01103	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.15218	8
MIPU	ARIES 161KV	595	-0.01103	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.15908	8
MIDW	ATWOOD 115KV	4	0.12157	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.15195	8

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

MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.15327	8
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.15316	8
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.16006	8
KACY	'KAW 69KV'	192	-0.03259	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.15636	8
MIPU	'LAKE ROAD 161KV'	91	-0.04595	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.1375	8
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'EMPORIA 345KV'	310	0.1046	-0.15055	8
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.91592	0.05628	WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	0.21855	-0.16227	8
KACP	'MARSHALL 161KV'	54.1	-0.0134	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.15466	8
KACP	'MARSHALL 161KV'	54.1	-0.0134	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.15455	8
KACP	'MARSHALL 161KV'	54.1	-0.0134	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.16145	8
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.15509	8
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.15498	8
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.16188	8
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.15647	8
MIPU	'NEVADA 69KV'	20.3	-0.0073	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.15535	8
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.15468	8
KACP	'NORTHEAST 161KV'	209	-0.03091	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.15468	8
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.15643	8
KACY	'QUINDARO 69KV'	100	-0.03263	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.1564	8
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.15211	8
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.152	8
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.1589	8
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.16334	8
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.16323	8
WEPL	'SOUTH DODGE 115KV'	4.2	0.14126	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.23131	-0.15905	8
WEPL	'SOUTH DODGE 115KV'	4.2	0.14126	WERE	'SMU CITY OF MCPHERSON 115KV'	135	0.22724	-0.15598	8
WEPL	'SOUTH DODGE 115KV'	4.2	0.14126	WERE	'SMOKEY HILLS 34KV'	152	0.30635	-0.16509	8
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.15446	8
MIPU	'TWA 161KV'	32.1	-0.03816	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.16193	8
MIPU	'TWA 161KV'	32.1	-0.03816	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.15396	8
MIPU	'ARIES 161KV'	595	-0.01103	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.1348	9
AEPW	'ARSENAL HILL 69KV'	75	0.08992	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13913	9
EMDE	'ASBURY 161KV'	20	0.06008	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13518	9
EMDE	'ASBURY 161KV'	20	0.06008	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13507	9
EMDE	'ASBURY 161KV'	20	0.06008	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14197	9
WERE	'BROWN COUNTY 115KV'	5.5	0.00007	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.14119	9
WERE	'BROWN COUNTY 115KV'	5.5	0.00007	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.14108	9
WERE	'BROWN COUNTY 115KV'	5.5	0.00007	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14798	9
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'EMPORIA 345KV'	310	0.1046	-0.14098	9
WERE	'CHANUTE 69KV'	32.163	0.01074	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13731	9
WERE	'CITY OF ERIE 69KV'	3.155999	0.01074	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13731	9
WERE	'CITY OF FREDONIA 69KV'	6.960999	0.01398	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13407	9
WERE	'CITY OF GIRARD 69KV'	6.108	0.00769	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13357	9
WERE	'CITY OF GIRARD 69KV'	6.108	0.00769	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14036	9
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13688	9
WERE	'CITY OF OSAGE CITY 115KV'	8.85	0.08805	WEPL	'CLIFTON 115KV'	65	0.23153	-0.14348	9
AEPW	'EASTMAN 138KV'	330.01	0.0097	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13835	9
AEPW	'FULTON 115KV'	8	0.00933	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13872	9
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'EMPORIA 345KV'	310	0.1046	-0.13994	9
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.13578	9
WEPL	'HARPER 138KV'	17.21	0.08787	WEPL	'CLIFTON 115KV'	65	0.23153	-0.14366	9
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.13901	9
KACY	'KAW 69KV'	192	-0.03259	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.14839	9
KACY	'KAW 69KV'	192	-0.03259	WERE	'EMPORIA 345KV'	310	0.1046	-0.13719	9
AEPW	'KNOXLEE 138KV'	198	0.00583	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13842	9
AEPW	'LBD13 69KV'	13	0.00983	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13822	9
EMDE	'LARUSSEL 161KV'	180	0.0054	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13586	9
EMDE	'LARUSSEL 161KV'	180	0.0054	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13575	9
EMDE	'LARUSSEL 161KV'	180	0.0054	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14265	9
AEPW	'LEBROCK 345KV'	382	0.00968	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13837	9
AEPW	'LIEBERMAN 138KV'	138.7861	0.00907	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13898	9
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.01008	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13797	9
KACP	'MARSHALL 161KV'	54.1	-0.0134	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.13717	9
AEPW	'MATTISON 161KV'	510	0.01018	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13787	9
AEPW	'MID-CONTINENT 138KV'	142.11	0.01225	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.1358	9
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.1376	9
OKGE	'MUSKOGEE 161KV'	31	0.01319	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13486	9
OKGE	'MUSKOGEE 345KV'	20	0.01419	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13386	9
AEPW	'NARROWS 69KV'	3	0.01204	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13601	9
KACY	'NEARMAN 161KV'	19.81311	-0.0327	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.1485	9
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'EMPORIA 345KV'	310	0.1046	-0.1373	9
MIPU	'NEVADA 69KV'	20.3	-0.0073	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.14856	9
MIPU	'NEVADA 69KV'	20.3	-0.0073	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.14845	9
AEPW	'NORTH MARSHALL 69KV'	5	0.00956	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13849	9
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.14671	9
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'EMPORIA 345KV'	310	0.1046	-0.13551	9
KACP	'NORTHEAST 161KV'	209	-0.03091	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.14671	9
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'EMPORIA 345KV'	310	0.1046	-0.13551	9
AEPW	'OEC 345KV'	1941.03	0.01433	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13372	9
AEPW	'PIRKEY GENERATION 138KV'	25	0.00966	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13839	9
KACY	'QUINDARO 161KV'	67.60625	-0.03266	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.14846	9
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'EMPORIA 345KV'	310	0.1046	-0.13726	9
KACY	'QUINDARO 69KV'	100	-0.03263	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.14843	9
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'EMPORIA 345KV'	310	0.1046	-0.13723	9
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.13462	9
EMDE	'RIVERTON 161KV'	126.546	0.00737	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13389	9
EMDE	'RIVERTON 161KV'	126.546	0.00737	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13378	9
EMDE	'RIVERTON 161KV'	126.546	0.00737	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14068	9
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13405	9
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13394	9
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.14084	9
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.14585	9
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	MIDW	'COLBY 115KV'	3.183003	0.1158	-0.13788	9
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.14767	9
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.14756	9
EMDE	'STATE LINE 161KV'	103	0.00705	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13421	9
EMDE	'STATE LINE 161KV'	103	0.00705	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.1341	9
EMDE	'STATE LINE 161KV'	103	0.00705	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.141	9
AEPW	'TURK 138KV'	608	0.01072	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13733	9
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'EMPORIA 345KV'	310	0.1046	-0.14276	9
AEPW	'WILKES 138KV'	109.7319	0.00998	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13807	9
AEPW	'ARSENAL HILL 69KV'	75	0.08992	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13234	10
AEPW	'ARSENAL HILL 69KV'	75	0.08992	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13223	10
WERE	'BROWN COUNTY 115KV'	5.5	0.00007	WEPL					

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

AEWP	'EASTMAN 138KV'	330.01	0.0097	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13156	10
AEWP	'EASTMAN 138KV'	330.01	0.0097	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13145	10
WERE	'EMPORIA 345KV'	518	0.1046	WEPL	'CLIFTON 115KV'	65	0.23153	-0.12693	10
AEWP	'FULTON 115KV'	8	0.00933	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13193	10
AEWP	'FULTON 115KV'	8	0.00933	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13182	10
WEPL	'GREENSBURG 115KV'	6.2	0.14041	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.13311	10
WEPL	'GREENSBURG 115KV'	6.2	0.14041	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.13304	10
WEPL	'HARPER 138KV'	17.21	0.08787	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.21855	-0.13068	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.1217	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.1261	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.12671	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.12528	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.12761	10
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'WACO 138KV'	17.967	0.04391	-0.12664	10
OKGE	'HORSESHOE LAKE 138KV'	385.002	0.02379	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12426	10
AEWP	'KIOWA 345KV'	1348	0.0199	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12136	10
AEWP	'KIOWA 345KV'	1348	0.0199	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12125	10
AEWP	'KIOWA 345KV'	1348	0.0199	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12815	10
AEWP	'KNOXLEE 138KV'	198	0.00963	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13163	10
AEWP	'KNOXLEE 138KV'	198	0.00963	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13152	10
AEWP	'L&D13 69KV'	13	0.00983	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13143	10
AEWP	'L&D13 69KV'	13	0.00983	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13132	10
AEWP	'LEBRONCK 345KV'	382	0.00968	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13158	10
AEWP	'LEBRONCK 345KV'	382	0.00968	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13147	10
AEWP	'LIEBERMAN 138KV'	138.7861	0.00907	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13149	10
AEWP	'LIEBERMAN 138KV'	138.7861	0.00907	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13208	10
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.01008	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13118	10
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.01008	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13107	10
AEWP	'MATTISON 161KV'	510	0.01018	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13108	10
AEWP	'MATTISON 161KV'	510	0.01018	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13097	10
OKGE	'MCCLAIN 138KV'	42	0.02471	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12334	10
AEWP	'MID-CONTINENT 138KV'	142.11	0.01225	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12901	10
AEWP	'MID-CONTINENT 138KV'	142.11	0.01225	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.1289	10
OKGE	'MUSKOGEE 161KV'	31	0.01319	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12807	10
OKGE	'MUSKOGEE 161KV'	31	0.01319	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12796	10
OKGE	'MUSKOGEE 345KV'	20	0.01419	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12707	10
OKGE	'MUSKOGEE 345KV'	20	0.01419	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12696	10
MIPU	'NEVADA 69KV'	20.3	-0.0073	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.13107	10
AEWP	'NORTH MARSHALL 69KV'	5	0.00956	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.1317	10
AEWP	'NORTH MARSHALL 69KV'	5	0.00956	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13159	10
AEWP	'OEC 345KV'	1941.03	0.01433	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12693	10
AEWP	'OEC 345KV'	1941.03	0.01433	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12682	10
OKGE	'ONE OAK 345KV'	200	0.02549	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12256	10
AEWP	'PIRKEY GENERATION 138KV'	25	0.00966	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.1316	10
AEWP	'PIRKEY GENERATION 138KV'	25	0.00966	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13149	10
OKGE	'REDBUD 345KV'	850	0.02315	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.1249	10
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.01515	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12611	10
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.01515	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.126	10
AEWP	'RIVERSIDE STATION 138KV'	76.00003	0.01515	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.1329	10
OKGE	'SEMINOLE 138KV'	6.8974	0.023	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12505	10
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'EMPORIA 345KV'	310	0.1046	-0.12668	10
OKGE	'SOONER 138KV'	24.99997	0.0267	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12135	10
WEPL	'SOUTH DODGE 115KV'	4.2	0.14126	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.13226	10
WEPL	'SOUTH DODGE 115KV'	4.2	0.14126	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.13219	10
MIPU	'TINKER 52 138KV'	34.51287	0.00641	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.13018	10
OKGE	'TINKER 52 138KV'	62	0.02404	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.12401	10
AEWP	'TULSA POWER STATION 138KV'	108	0.01499	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12627	10
AEWP	'TULSA POWER STATION 138KV'	108	0.01499	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12616	10
AEWP	'TULSA POWER STATION 69KV'	80	0.01499	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.12627	10
AEWP	'TULSA POWER STATION 69KV'	80	0.01499	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.12616	10
AEWP	'TULSA POWER STATION 69KV'	80	0.01499	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13306	10
AEWP	'TURK 138KV'	608	0.01072	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13054	10
AEWP	'TURK 138KV'	608	0.01072	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13043	10
AEWP	'WELLEETA 138KV'	58	0.01744	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13382	10
AEWP	'WELLEETA 138KV'	58	0.01744	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13371	10
AEWP	'WELLEETA 138KV'	58	0.01744	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.13061	10
AEWP	'WILKES 138KV'	109.7319	0.00998	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.13128	10
AEWP	'WILKES 138KV'	109.7319	0.00998	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.13117	10
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'EMPORIA 345KV'	310	0.1046	-0.11563	11
AEWP	'ARSENAL HILL 69KV'	75	0.00892	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11485	11
EMDE	'ASBURY 161KV'	20	0.00608	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11769	11
WERE	'CHANUTE 69KV'	32.163	0.01074	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11303	11
WERE	'CITY OF AUGUSTA 69KV'	8.840999	0.03524	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.11281	11
WERE	'CITY OF GARARD 69KV'	6.108	0.00769	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11608	11
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11156	11
WERE	'CITY OF WINFIELD 69KV'	13.23	0.03379	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.11428	11
MIDW	'COLBY 115KV'	9.816997	0.1158	WEPL	'CLIFTON 115KV'	65	0.23153	-0.11573	10
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.0267	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.11456	11
OKGE	'CONTINENTAL EMPIRE 138KV'	32	0.0267	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.11445	11
AEWP	'EASTMAN 138KV'	330.01	0.0097	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11407	11
WERE	'EMPORIA 345KV'	518	0.1046	WEPL	'A. M. MULLERGEN GENERATOR 115KV'	63	0.21855	-0.11395	11
AEWP	'FULTON 115KV'	8	0.00933	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11444	11
WERE	'GETTY 69KV'	35	0.03464	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.11341	11
WEPL	'GREENLEAF 115KV'	8	0.18775	WERE	'SMOKEY HILLS 34KV'	152	0.30635	-0.11186	11
MIPU	'GREENWOOD 161KV'	255.8	0.01201	WERE	'EMPORIA 345KV'	310	0.1046	-0.11661	11
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.11797	11
WERE	'HOLTON 115KV'	19.8	-0.08273	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.11652	11
WERE	'HOLTON 115KV'	19.8	-0.08273	AEWP	'COMANCHE 138KV'	160	0.02915	-0.11188	11
WERE	'HOLTON 115KV'	19.8	-0.08273	AEWP	'COMANCHE 69KV'	63	0.02893	-0.11166	11
WERE	'HOLTON 115KV'	19.8	-0.08273	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.1135	11
WERE	'HOLTON 115KV'	19.8	-0.08273	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.11334	11
WERE	'HOLTON 115KV'	19.8	-0.08273	OKGE	'SOONER 345KV'	513	0.02759	-0.11032	11
WERE	'HOLTON 115KV'	19.8	-0.08273	AEWP	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.11115	11
WERE	'HOLTON 115KV'	19.8	-0.08273	AEWP	'WEATHERFORD 34KV'	148	0.03266	-0.11539	11
OKGE	'HORSESHOE LAKE 138KV'	385.002	0.02379	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.11747	11
OKGE	'HORSESHOE LAKE 138KV'	385.002	0.02379	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.11736	11
AEWP	'KNOXLEE 138KV'	198	0.00963	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11414	11
AEWP	'L&D13 69KV'	13	0.00983	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11394	11
EMDE	'LARUSSEL 161KV'	180	0.0054	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11837	11
AEWP	'LEBRONCK 345KV'	382	0.00968	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11409	11
AEWP	'LIEBERMAN 138KV'	138.7861	0.00907	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11417	11
AEWP	'LONESTAR POWER PLANT 69KV'	50	0.01008	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.11369	11

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

OKGE	REDBUD 345KV	850	0.02315	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11811	11
OKGE	REDBUD 345KV	850	0.02315	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.118	11
EMDE	RIVERTON 161KV	126.546	0.00737	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.1164	11
EMDE	RIVERTON 69KV	21.13571	0.00721	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.11656	11
OKGE	SEMINOLE 138KV	6.8974	0.023	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11826	11
OKGE	SEMINOLE 138KV	6.8974	0.023	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11815	11
OKGE	SOONER 138KV	24.99997	0.0267	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11456	11
OKGE	SOONER 138KV	24.99997	0.0267	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11445	11
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11279	11
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11268	11
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.11958	11
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	EMPORIA 345KV	310	0.1046	-0.11101	11
WERE	SOUTH SENECA 115KV	16.7	0.03123	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.11682	11
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11249	11
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11238	11
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.11928	11
EMDE	STATE LINE 161KV	103	0.00705	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.11672	11
OKGE	TINKER 5G 138KV	62	0.02404	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11722	11
OKGE	TINKER 5G 138KV	62	0.02404	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11711	11
AEPW	TURK 138KV	608	0.01072	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.11305	11
AEPW	WILKES 138KV	109.7319	0.00998	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.11379	11
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.11065	11
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.11054	11
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.11746	11
MIDW	ATWOOD 115KV	4	0.12157	WEPL	CLIFTON 115KV	65	0.23153	-0.10949	12
WERE	BROWN COUNTY 115KV	5.5	0.00007	WERE	EMPORIA 345KV	310	0.1046	-0.10453	12
WEPL	CIMARRON RIVER 115KV	11.50916	0.12377	WEPL	CLIFTON 115KV	65	0.23153	-0.10778	12
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.10602	12
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.10591	12
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10608	12
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10979	12
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.10229	12
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.10218	12
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.10908	12
WERE	CITY OF WINFIELD 69KV	13.23	0.03378	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.10747	12
WERE	CITY OF WINFIELD 69KV	13.23	0.03378	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.10738	12
AEPW	COGENTRIX 345KV	229	0.01519	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10858	12
MIDW	COLBY 115KV	9.816977	0.1158	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.10275	12
WERE	EVANS ENERGY CENTER 138KV	2197	0.04337	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.10468	12
WERE	GETTY 69KV	35	0.03464	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.10662	12
WERE	GETTY 69KV	35	0.03464	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.10651	12
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.10407	12
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.1055	12
WEPL	GREENLEAF 115KV	8	0.18775	WERE	ABLENE ENERGY CENTER 115KV	40	0.29131	-0.10366	12
WEPL	GREENLEAF 115KV	8	0.18775	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.09849	13
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	ELK RIVER 345KV	46	0.02481	-0.10854	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.10852	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	HORSESHOE LAKE 69KV	16	0.02337	-0.1061	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	MCCLELLAN 138KV	478	0.02471	-0.10744	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	MUSTANG 138KV	365.5	0.02492	-0.10765	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	MUSTANG 69KV	106	0.02495	-0.10768	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	ONE OAK 345KV	136	0.02549	-0.10822	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	REDBUD 345KV	350	0.02315	-0.10588	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	SEMINOLE 138KV	498.1026	0.023	-0.10573	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	SEMINOLE 345KV	996	0.02306	-0.10579	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	SMITH COGEN 138KV	120	0.02481	-0.10754	12
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	SOONER 138KV	505	0.0267	-0.10943	12
AEPW	KIOWA 345KV	1348	0.0199	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10387	12
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.10223	12
MIDW	LYONS 115KV	999	0.1987	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.10765	12
OKGE	MUSKOGEE 345KV	20	0.01419	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10958	12
AEPW	OEC 345KV	1941.03	0.01433	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10944	12
MIDW	PAWNEE 115KV	999	0.1987	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.10765	12
MIDW	PAWNEE 115KV	999	0.1987	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.10765	12
AEPW	RIVERSIDE STATION 138KV	76.00003	0.01515	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10862	12
WERE	SOUTH SENECA 115KV	16.7	0.03123	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.1103	12
WERE	SOUTH SENECA 115KV	16.7	0.03123	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.10992	12
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.10317	12
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.10396	12
AEPW	TULSA POWER STATION 138KV	108	0.01499	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10878	12
AEPW	TULSA POWER STATION 69KV	80	0.01499	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10878	12
AEPW	WELETKA 138KV	58	0.01744	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.10633	12
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	EMPORIA 345KV	310	0.1046	-0.09568	13
EMDE	ASBURY 161KV	20	0.00608	WERE	EMPORIA 345KV	310	0.1046	-0.09852	13
WEPL	CIMARRON RIVER 115KV	11.50916	0.12377	WEPL	A. M. MULLERGREEN GENERATOR 115KV	63	0.21855	-0.09878	13
WERE	CITY OF GIRARD 69KV	6.108	0.00769	WERE	EMPORIA 345KV	310	0.1046	-0.09691	13
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	EMPORIA 345KV	310	0.1046	-0.09643	13
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.09707	13
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	EMPORIA 345KV	310	0.1046	-0.0949	13
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.09789	13
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.09778	13
AEPW	FULTON 115KV	8	0.00933	WERE	EMPORIA 345KV	310	0.1046	-0.09527	13
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.09728	13
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.09717	13
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.09871	13
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.0986	13
WERE	HOLTON 115KV	19.8	-0.08273	WERE	CITY OF BURLINGTON 69KV	34.081	0.01769	-0.10042	13
WERE	HOLTON 115KV	19.8	-0.08273	WERE	CITY OF NEODESHA 69KV	4.495	0.0137	-0.09843	13
WERE	HOLTON 115KV	19.8	-0.08273	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.10042	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	COGENTRIX 345KV	665	0.01519	-0.09792	13
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	MUSKOGEE 161KV	166	0.01319	-0.09592	13
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	MUSKOGEE 345KV	1516	0.01419	-0.09692	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	NARROWS 69KV	22	0.01204	-0.09477	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	NORTHEASTERN STATION 138KV	500	0.01373	-0.09646	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	NORTHEASTERN STATION 345KV	645	0.01339	-0.09512	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	OEC 345KV	206	0.01433	-0.09706	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	RIVER SIDE 138KV	172	0.01515	-0.09788	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.09788	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	TULSA POWER STATION 138KV	186	0.01499	-0.09772	13
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	WELETKA 138KV	84	0.01744	-0.10017	13
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WEPL	CIMARRON RIVER 115KV	33.49084	0.12377	-0.09998	13
AEPW	KNOXLEE 138KV	198	0.00963	WERE	EMPORIA 345KV	310	0.1046	-0.09497	13
AEPW	L&D13 69KV	13	0.00983	WERE	EMPORIA 345KV	310	0.1046	-0.09477	13

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

OKGE	SEMINOLE 138KV	6.8974	0.023	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.10077	13
OKGE	SOONER 138KV	24.99997	0.0267	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.09707	13
OKGE	SOUTH 4TH ST 69KV	42.7	0.02847	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.0953	13
AEPW	SOUTHWESTERN STATION 138KV	321	0.02877	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.095	13
WERE	ST JOHN 115KV	7.5	0.20873	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.08762	13
EMDE	STATE LINE 161KV	103	0.07075	WERE	EMPORIA 345KV	310	0.1046	-0.09755	13
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.09638	13
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.09627	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.09717	13
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.09706	13
OKGE	TINKER 5G 138KV	62	0.02404	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.09973	13
MIPU	TWA 161KV	32.1	-0.03816	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.09444	13
AEPW	WILKES 138KV	109.7319	0.00998	WERE	EMPORIA 345KV	310	0.1046	-0.09462	13
KACP	BULL CREEK 161KV	65	-0.03638	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.09266	14
WERE	CHANUTE 69KV	32.163	0.01074	WERE	EMPORIA 345KV	310	0.1046	-0.09386	14
WERE	CITY OF AUGUSTA 69KV	8.840999	0.03524	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.08853	14
WERE	CITY OF FREDONIA 69KV	6.960999	0.01398	WERE	EMPORIA 345KV	310	0.1046	-0.09062	14
WERE	CITY OF WINFIELD 69KV	13.23	0.03379	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.08998	14
AEPW	COGENTRIX 345KV	229	0.01519	WERE	EMPORIA 345KV	310	0.1046	-0.08941	14
KACP	GARDNER 161KV	11	-0.03534	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.09162	14
WERE	GETTY 69KV	35	0.03464	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.08913	14
MIDW	GREAT BEND PLANT 69KV	10	0.21498	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.09137	14
WEPL	GREENSBURG 115KV	6.2	0.14041	WEPL	CLIFTON 115KV	65	0.23153	-0.09112	14
WERE	HOLTON 115KV	19.8	-0.08273	OKGE	AES 161KV	320	0.00986	-0.09259	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	ARSENAL HILL 69KV	15	0.00892	-0.09165	14
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	ASBURY 161KV	181	0.00660	-0.08881	14
WERE	HOLTON 115KV	19.8	-0.08273	WERE	CHANUTE 69KV	55.637	0.01074	-0.09347	14
WERE	HOLTON 115KV	19.8	-0.08273	WERE	CITY OF ERIE 69KV	23.374	0.01074	-0.09347	14
WERE	HOLTON 115KV	19.8	-0.08273	WERE	CITY OF IOLA 69KV	24.471	0.00817	-0.0909	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	EASTMAN 138KV	155	0.0097	-0.09243	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	FITZHUGH 161KV	126	0.00869	-0.09142	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	FLINT CREEK 161KV	428	0.01025	-0.09298	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	FULTON 115KV	24.99999	0.00933	-0.09206	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	KNOXLEE 138KV	225	0.00963	-0.09236	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	L&D13 69KV	111	0.00963	-0.09236	14
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	LARDIS 161KV	116	0.0054	-0.08813	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	LEBROCK 345KV	315	0.00963	-0.09241	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	LIEBERMAN 138KV	89.21387	0.00907	-0.0918	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	PIRKEY GENERATION 138KV	490	0.00966	-0.09239	14
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	RIVERTON 161KV	195.454	0.00737	-0.0901	14
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	RIVERTON 69KV	46.86428	0.00721	-0.08994	14
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	STATE LINE 161KV	503	0.00705	-0.08978	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	WELSH 345KV	1044	0.01066	-0.09339	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	WILKES 138KV	353.288	0.00986	-0.09271	14
WERE	HOLTON 115KV	19.8	-0.08273	AEPW	WILKES 345KV	311	0.00965	-0.09258	14
WERE	JEFFREY ENERGY CENTER 230KV	24	0.48625	WERE	JEFFREY ENERGY CENTER 345KV	311	0.59196	-0.09371	14
KACY	KAW 69KV	192	-0.03259	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08887	14
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.08932	14
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.08993	14
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.0885	14
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.09083	14
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	WACO 138KV	17.967	0.04391	-0.08986	14
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.09177	14
MIDW	LYONS 115KV	999	0.1987	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.09261	14
AEPW	MID-CONTINENT 138KV	142.11	0.01226	WERE	EMPORIA 345KV	310	0.1046	-0.09235	14
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	EMPORIA 345KV	310	0.1046	-0.09143	14
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	EMPORIA 345KV	310	0.1046	-0.09041	14
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08898	14
WEPL	NORTH WEST GREAT BEND 115KV	14.24	0.21855	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.0878	14
AEPW	OEC 345KV	1941.03	0.01433	WERE	EMPORIA 345KV	310	0.1046	-0.09027	14
MIDW	pawnee 115KV	999	0.1987	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.09261	14
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08894	14
KACY	QUINDARO 69KV	100	-0.03263	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08891	14
MIDW	rice 115KV	999	0.1987	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.09261	14
AEPW	RIVERSIDE STATION 138KV	76.00033	0.01616	WERE	EMPORIA 345KV	310	0.1046	-0.08945	14
WERE	SOUTH SENECA 115KV	16.7	0.03123	WERE	CIMARRON RIVER 115KV	33.4904	0.12377	-0.09254	14
WERE	ST JOHN 115KV	7.5	0.20873	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.08851	14
AEPW	TULSA POWER STATION 138KV	108	0.01499	WERE	EMPORIA 345KV	310	0.1046	-0.08961	14
AEPW	TULSA POWER STATION 69KV	80	0.01499	WERE	EMPORIA 345KV	310	0.1046	-0.08961	14
AEPW	TURK 138KV	608	0.01072	WERE	EMPORIA 345KV	310	0.1046	-0.09388	14
OKGE	WOODWARD 24KV	9.3	0.03061	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.09316	14
WERE	CITY OF BURLINGTON 69KV	21.939	0.01769	WERE	EMPORIA 345KV	310	0.1046	-0.08691	15
WERE	CITY OF MULVANE 69KV	7.5	0.03897	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.0848	15
MIDW	GREAT BEND PLANT 69KV	10	0.21498	WERE	BPU - CITY OF MCPHERSON 115KV	135	0.29724	-0.08226	15
WEPL	GREENLEAF 115KV	8	0.17	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.0857	15
WEPL	GREENLEAF 115KV	8	0.18775	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.0867	15
WERE	HOLTON 115KV	19.8	-0.08273	EMDE	OZARK BEACH 161KV	16	0.00429	-0.08702	15
AEPW	KIOWA 345KV	1348	0.0199	WERE	EMPORIA 345KV	310	0.1046	-0.0847	15
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	CITY OF MULVANE 69KV	8.29	0.03897	-0.08492	15
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.08498	15
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.08487	15
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08719	15
KACP	NORTHEAST 161KV	209	-0.03091	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.08719	15
WERE	ST JOHN 115KV	7.5	0.20873	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.08258	15
MIPU	TWA 161KV	32.1	-0.03816	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.08214	15
MIPU	TWA 161KV	32.1	-0.03816	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.08204	15
MIPU	TWA 161KV	32.1	-0.03816	WERE	WACO 138KV	17.967	0.04391	-0.08207	15
AEPW	WELETKA 138KV	58	0.01744	WERE	EMPORIA 345KV	310	0.1046	-0.08716	15
KACP	BULL CREEK 161KV	65	-0.03638	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.07975	15
KACP	BULL CREEK 161KV	65	-0.03638	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.08036	15
KACP	BULL CREEK 161KV	65	-0.03638	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.07893	15
KACP	BULL CREEK 161KV	65	-0.03638	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.08126	15
KACP	BULL CREEK 161KV	65	-0.03638	WERE	WACO 138KV	17.967	0.04391	-0.08029	15
OKGE	CONTINENTAL EMPIRE 138KV	32	0.0267	WERE	EMPORIA 345KV	310	0.1046	-0.0779	15
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.08074	15
KACP	GARDNER 161KV	11	-0.03534	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.07871	15
KACP	GARDNER 161KV	11	-0.03534	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.07932	15
KACP	GARDNER 161KV	11	-0.03534	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.07789	15
KACP	GARDNER 161KV	11	-0.03534	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.08022	15
KACP	GARDNER 161KV	11	-0.03534	WERE	WACO 138KV	17.967	0.04391	-0.07925	15
WERE	GILL ENERGY CENTER 138KV	64.99999	0.04398	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.07979	15
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WEPL	CIMARRON RIVER 115KV	33.4904	0.12377	-0.08122	15
WEPL	GREENSBURG 115KV	6.2	0.14041	WEPL	A. M. MULLERGEN GENERATOR 115KV	63	0.21855	-0.07814	15
WERE	HOLTON 115KV	19.8	-0.08273	KACP	LACYONE UNIT 345KV	958			

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

OKGE	'SOONER 138KV'	24.9997	0.0267	WERE	'EMPORIA 345KV'	310	0.1046	-0.0779	16
WERE	'TECUMSEH ENERGY CENTER 115KV'	15.27393	0.04488	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.07889	16
WERE	'TECUMSEH ENERGY CENTER 69KV'	41	0.04409	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.07968	16
OKGE	'TINKER 5G 138KV'	62	0.02404	WERE	'EMPORIA 345KV'	310	0.1046	-0.08096	16
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07713	16
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.08153	16
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.08071	16
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07535	17
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07431	17
MIDW	'GREAT BEND PLANT 69KV'	10	0.21498	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29131	-0.07633	17
WERE	'HOLTON 115KV'	19.8	-0.08273	MIPU	'SOUTH HARPER 161KV'	280.4871	-0.00641	-0.07632	17
KACY	'KAW 69KV'	192	-0.03259	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.07596	17
KACY	'KAW 69KV'	192	-0.03259	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07657	17
KACY	'KAW 69KV'	192	-0.03259	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07514	17
KACY	'KAW 69KV'	192	-0.03259	WERE	'WACO 138KV'	17.987	0.04391	-0.0765	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'COMANCHE 138KV'	160	0.02915	-0.0751	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'COMANCHE 69KV'	63	0.02893	-0.07488	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.07276	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.07672	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.07656	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SOONER 138KV'	505	0.0267	-0.07265	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SOONER 345KV'	513	0.02759	-0.07354	17
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.07472	17
MIDW	'lyons 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.07482	17
MIDW	'lyons 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.07475	17
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.07607	17
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07668	17
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07525	17
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'WACO 138KV'	17.967	0.04391	-0.07661	17
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	0.21855	WERE	'ABILENE ENERGY CENTER 115KV'	40	0.29131	-0.07276	17
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.07428	17
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07489	17
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07346	17
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.07579	17
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'WACO 138KV'	17.967	0.04391	-0.07482	17
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.07428	17
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07489	17
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07346	17
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.07579	17
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'WACO 138KV'	17.967	0.04391	-0.07482	17
MIDW	'pawnee 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.07482	17
MIDW	'pawnee 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.07475	17
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.07603	17
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07664	17
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07521	17
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'WACO 138KV'	17.967	0.04391	-0.07657	17
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.076	17
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.07661	17
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.07518	17
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'WACO 138KV'	17.967	0.04391	-0.07654	17
MIDW	'rice 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.07482	17
MIDW	'rice 115kv'	999	0.1987	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.07475	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02847	WERE	'EMPORIA 345KV'	310	0.1046	-0.07613	17
AEPW	'SOUTH SENECA 115KV'	16.7	0.03123	WERE	'EMPORIA 345KV'	310	0.1046	-0.07337	17
AEPW	'SOUTHWESTERN STATION 138KV'	321	0.02877	WERE	'EMPORIA 345KV'	310	0.1046	-0.07583	17
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.07374	17
OKGE	'WOODWARD 24KV'	9.3	0.03061	WERE	'EMPORIA 345KV'	310	0.1046	-0.07399	17
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.07162	18
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.07017	18
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.06904	18
WERE	'CITY OF AUGUSTA 69KV'	8.840999	0.03524	WERE	'EMPORIA 345KV'	310	0.1046	-0.06936	18
WERE	'CITY OF WINFIELD 69KV'	13.23	0.03379	WERE	'EMPORIA 345KV'	310	0.1046	-0.07081	18
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.07058	18
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.06913	18
WERE	'GETTY 69KV'	35	0.04684	WERE	'EMPORIA 345KV'	310	0.1046	-0.06996	18
WERE	'HOLTON 115KV'	19.8	-0.08273	KACP	'MONTROSE 161KV'	362.4843	-0.01383	-0.0689	18
KACY	'KAW 69KV'	192	-0.03259	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07156	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.06974	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.06932	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.07066	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.07087	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'MUSTANG 69KV'	106	0.02495	-0.07079	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'ONE OAK 345KV'	136	0.02549	-0.07144	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'REDBUD 345KV'	350	0.02315	-0.06891	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SEMINOLE 138KV'	498.1028	0.023	-0.06895	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SEMINOLE 345KV'	996	0.02366	-0.06801	18
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.07076	18
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.06968	18
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.07011	18
KACP	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07167	18
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.06988	18
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.06988	18
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.07163	18
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'CITY OF MULVANE 69KV'	8.29	0.03897	-0.0716	18
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.07195	18
MIPU	'TWA 161KV'	32.1	-0.03816	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.06893	18
MIPU	'TWA 161KV'	32.1	-0.03816	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.06877	18
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.07082	18
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.06731	19
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'COMANCHE 138KV'	160	0.02915	-0.06531	19
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'COMANCHE 69KV'	63	0.02893	-0.06531	19
KACP	'BULL CREEK 161KV'	65	-0.03638	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.06715	19
KACP	'BULL CREEK 161KV'	65	-0.03638	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.06699	19
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.06515	19
WERE	'CITY OF MULVANE 69KV'	7.5	0.03897	WERE	'EMPORIA 345KV'	310	0.1046	-0.06563	19
KACP	'GARDNER 161KV'	11	-0.03534	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.06611	19
KACP	'GARDNER 161KV'	11	-0.03534	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.06595	19
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.0668	19
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.06829	19
WERE	'HOLTON 115KV'	19.8	-0.08273	KACP	'CITY OF HIGGINSVILLE 69KV'	35	-0.01561	-0.06712	19
WERE	'HOLTON 115KV'	19.8	-0.08273	KACP	'PAOLA COMBUSTION TURBINES 161KV'	77	-0.01707	-0.06566	19
KACY	'KAW 69KV'	192	-0.03259	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.06783	19
KACY	'KAW 69KV'	192	-0.03259	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.06638	19
KACY	'KAW 69KV'	192	-0.03259	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.06525	19
WERE	'LAWRENCE ENERGY CENTER 230KV'	41.91592	0.056						

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

MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.06606	19	
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	TECUMSEH ENERGY CENTER 115KV	145	0.2561	-0.04488	19	
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	WACO 138KV	17	0.04391	-0.06599	19	
MIPU	TWA 161KV	32.1	-0.03816	AEPW	COMANCHE 138KV	160	0.02915	-0.06731	19	
MIPU	TWA 161KV	32.1	-0.03816	AEPW	COMANCHE 69KV	63	0.02893	-0.06709	19	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	SOONER 345KV	513	0.02759	-0.06575	19	
MIPU	TWA 161KV	32.1	-0.03816	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.06893	19	
KACP	BULL CREEK 161KV	65	-0.03638	EMDE	ELK RIVER 345KV	46	0.02681	-0.06319	20	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	ONE OAK 345KV	136	0.02549	-0.06187	20	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	SOONER 138KV	505	0.0267	-0.06308	20	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	SOONER 345KV	513	0.02759	-0.06397	20	
KACP	GARDNER 161KV	11	-0.03534	AEPW	COMANCHE 138KV	160	0.02915	-0.06449	20	
KACP	GARDNER 161KV	11	-0.03534	AEPW	COMANCHE 69KV	63	0.02893	-0.06427	20	
KACP	GARDNER 161KV	11	-0.03534	EMDE	ELK RIVER 345KV	46	0.02681	-0.06215	20	
KACP	GARDNER 161KV	11	-0.03534	OKGE	SOONER 138KV	505	0.0267	-0.06204	20	
KACP	GARDNER 161KV	11	-0.03534	OKGE	SOONER 345KV	513	0.02759	-0.06293	20	
KACP	GARDNER 161KV	11	-0.03534	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.06411	20	
WERE	GILL ENERGY CENTER 69KV	38	0.04255	WERE	EMPORIA 345KV	310	0.1046	-0.06205	20	
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.06412	20	
KACY	KAW 69KV	192	-0.03259	OKGE	FPLWIND2 34KV	102	0.03077	-0.06336	20	
KACY	KAW 69KV	192	-0.03259	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.0632	20	
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.06364	20	
MIPU	LAKE ROAD 161KV	91	-0.04595	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.06364	20	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	WELLETKA 138KV	84	0.01744	-0.06339	20	
KACY	NEARMAN 161KV	19.81311	-0.0327	OKGE	FPLWIND2 34KV	102	0.03077	-0.06347	20	
KACY	NEARMAN 161KV	19.81311	-0.0327	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.06331	20	
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	LAWRENCE ENERGY CENTER 230KV	227	0.0841	0.05628	-0.06358	20
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	CITY OF WINFIELD 69KV	26.77	0.03379	-0.0647	20	
KACP	NORTHEAST 13KV	176.9458	-0.03091	AEPW	WEATHERFORD 34KV	148	0.03266	-0.06357	20	
KACP	NORTHEAST 161KV	209	-0.03091	WERE	CITY OF WINFIELD 69KV	26.77	0.03379	-0.0647	20	
KACP	NORTHEAST 161KV	209	-0.03091	AEPW	WEATHERFORD 34KV	148	0.03266	-0.06357	20	
KACY	QUINDARO 161KV	67.60625	-0.03266	OKGE	FPLWIND2 34KV	102	0.03077	-0.06343	20	
KACY	QUINDARO 161KV	67.60625	-0.03266	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.06327	20	
KACY	QUINDARO 69KV	100	-0.03263	OKGE	FPLWIND2 34KV	102	0.03077	-0.0634	20	
KACY	QUINDARO 69KV	100	-0.03263	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.06324	20	
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.06463	20	
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	LAWRENCE ENERGY CENTER 230KV	227	0.0841	0.05628	-0.06289	20
WERE	ST JOHN 115KV	7.5	0.20873	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.06479	20	
WERE	ST JOHN 115KV	7.5	0.20873	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.06472	20	
MIPU	TWA 161KV	32.1	-0.03816	EMDE	ELK RIVER 345KV	46	0.02681	-0.06497	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.06195	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	MCLLAIN 138KV	478	0.02471	-0.06287	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	MUSTANG 138KV	365.5	0.02492	-0.06308	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	MUSTANG 69KV	106	0.02495	-0.06311	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	ONE OAK 345KV	136	0.02549	-0.06365	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	SMITH COGEN 138KV	100	0.02481	-0.06297	20	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	SOONER 138KV	505	0.0267	-0.06486	20	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.06017	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	HORSESHOE LAKE 69KV	16	0.02337	-0.05975	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	MCLLAIN 138KV	478	0.02471	-0.06109	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	MUSTANG 138KV	365.5	0.02492	-0.0613	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	MUSTANG 69KV	106	0.02495	-0.06133	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	REDBUD 345KV	350	0.02315	-0.05953	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	SEMINOLE 138KV	498	0.026	-0.05938	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	SEMINOLE 345KV	996	0.02306	-0.05944	21	
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	SMITH COGEN 138KV	100	0.02481	-0.06119	21	
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08805	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.06	21	
WERE	EVANS ENERGY CENTER 138KV	217	0.04337	WERE	EMPORIA 345KV	310	0.1046	-0.06123	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.05913	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	MCLLAIN 138KV	478	0.02471	-0.06005	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	MUSTANG 138KV	365.5	0.02492	-0.06026	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	MUSTANG 69KV	106	0.02495	-0.06029	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	ONE OAK 345KV	136	0.02549	-0.06083	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	SMITH COGEN 138KV	120	0.02481	-0.06015	21	
WERE	GILL ENERGY CENTER 138KV	64.99989	0.04398	WERE	EMPORIA 345KV	310	0.1046	-0.06062	21	
WERE	HARPER 138KV	17.21	0.08787	WEPL	SPEARVILLE WIND 34KV	100	0.14805	-0.06119	21	
WERE	HOLTON 115KV	19.8	-0.08273	MIPU	SIBLEY 161KV	230.376	-0.02208	-0.06065	21	
KACY	KAW 69KV	192	-0.03259	AEPW	COMANCHE 138KV	160	0.02915	-0.06174	21	
KACY	KAW 69KV	192	-0.03259	AEPW	COMANCHE 69KV	63	0.02893	-0.06152	21	
KACY	KAW 69KV	192	-0.03259	EMDE	ELK RIVER 345KV	46	0.02681	-0.0594	21	
KACY	KAW 69KV	192	-0.03259	OKGE	SOONER 138KV	505	0.0267	-0.05929	21	
KACY	KAW 69KV	192	-0.03259	OKGE	SOONER 345KV	513	0.02759	-0.06018	21	
KACY	KAW 69KV	192	-0.03259	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.06136	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	COGENTRIX 345KV	665	0.01519	-0.06114	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	OKGE	MUSKOGEE 161KV	198	0.01519	-0.05914	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	OKGE	MUSKOGEE 245KV	1516	0.01419	-0.06014	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	NORTHEASTERN STATION 138KV	500	0.01373	-0.05968	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	NORTHEASTERN STATION 345KV	645	0.01339	-0.05934	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	OEC 345KV	206	0.01433	-0.06028	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	RIVER SIDE 138KV	172	0.01515	-0.0611	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.0611	21	
MIPU	LAKE ROAD 161KV	91	-0.04595	AEPW	TULSA POWER STATION 138KV	186	0.01499	-0.06094	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	COMANCHE 138KV	160	0.02915	-0.06185	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	COMANCHE 69KV	63	0.02893	-0.06163	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	EMDE	ELK RIVER 345KV	46	0.02681	-0.05951	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	OKGE	SOONER 138KV	505	0.0267	-0.0594	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	OKGE	SOONER 345KV	513	0.02759	-0.06029	21	
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.06147	21	
KACP	NORTHEAST 13KV	176.9458	-0.03091	AEPW	COMANCHE 138KV	160	0.02915	-0.06006	21	
KACP	NORTHEAST 13KV	176.9458	-0.03091	AEPW	COMANCHE 69KV	63	0.02893	-0.05984	21	
KACP	NORTHEAST 13KV	176.9458	-0.03091	OKGE	FPLWIND2 34KV	102	0.03077	-0.06168	21	
KACP	NORTHEAST 13KV	176.9458	-0.03091	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.06152	21	
KACP	NORTHEAST 13KV	176.9458	-0.03091	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.05968	21	
KACP	NORTHEAST 161KV	209	-0.03091	AEPW	COMANCHE 138KV	160	0.02915	-0.06006	21	
KACP	NORTHEAST 161KV	209	-0.03091	AEPW	COMANCHE 69KV	63	0.02893	-0.05984	21	
KACP	NORTHEAST 161KV	209	-0.03091	OKGE	FPLWIND2 34KV	102	0.03077	-0.06168	21	
KACP	NORTHEAST 161KV	209	-0.03091	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.06152	21	
KACP	NORTHEAST 161KV	209	-0.03091	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.05968	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	AEPW	COMANCHE 138KV	160	0.02915	-0.06181	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	AEPW	COMANCHE 69KV	63	0.02893	-0.06159	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	EMDE	ELK RIVER 345KV	46	0.02681	-0.05947	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	OKGE	SOONER 138KV	505	0.0267	-0.05936	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	OKGE	SOONER 345KV	513	0.02759	-0.06025	21	
KACY	QUINDARO 161KV	67.60625	-0.03266	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.06143	21	
KACY	QUINDARO 69KV	100	-0.03263	AEPW	COMANCHE 138KV	160	0.02915	-0.06178	21	
KACY	QUINDARO 69KV	100	-0.03263	AEPW	COMANCHE 69KV	63	0.02893	-0.06156	21	
KACY	QUINDARO 69KV	100	-0.03263	EMDE	ELK RIVER 345KV	46	0.02681	-0.05944	21	
KACY	QUINDARO 69KV	100	-0.03263	OKGE	SOONER 138KV	505	0.0267	-0.05933	21	
KACY	QUINDARO 69KV	100	-0.03263	OKGE	SOONER 345KV	513	0.02759	-0.06022	21	
KACY	QUINDARO 69KV	100	-0.03263	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.0614	21	
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	CITY OF MULVANE 69KV	8.29	0.03897	-0.06105	21	
WERE	TECUMSEH ENERGY CENTER 115KV	15.27393	0.04488	WERE	EMPORIA 345KV	310	0.1046	-0.05972	21	
WERE	TECUMSEH ENERGY CENTER 69KV	41	0.04409	WERE	EMPORIA 345KV	310	0.1046	-0.06051	21	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	HORSESHOE LAKE 69KV	16	0.02337	-0.06153	21	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	REDBUD 345KV	350	0.02315	-0.06131	21	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	SEMINOLE 138KV	498	0.026	-0.06116	21	
MIPU	TWA 161KV	32.1	-0.03816	OKGE	SEMINOLE 345KV	996	0.02306	-0.06122	21	
KACP	GARDNER 161KV	11	-0.03534	OKGE	HORSESHOE LAKE 69KV	16	0.02337			

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

KACP	'GARDNER 161KV'	11	-0.03534	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.05834	22
KACP	'GARDNER 161KV'	11	-0.03534	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.0584	22
MIDW	'GREAT BEND PLANT 69KV'	10	0.21498	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.05854	22
MIDW	'GREAT BEND PLANT 69KV'	10	0.21498	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.05847	22
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.05889	22
WERE	'HOLTON 115KV'	19.8	-0.02733	MIPU	'SIBLEY 69KV'	45.99999	0.02379	-0.05895	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.05838	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.0573	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05751	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05754	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'ONE OAK 345KV'	136	0.02549	-0.05808	22
KACY	'KAW 69KV'	192	-0.03259	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.0574	22
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'CHANUTE 69KV'	56.637	0.01074	-0.05669	22
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.05669	22
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'NARROWS 69KV'	22	0.01204	-0.05799	22
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'WELSH 345KV'	1044	0.01066	-0.05661	22
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.05677	22
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.05738	22
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.05828	22
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'WACO 138KV'	17.967	0.04391	-0.05731	22
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.0572	22
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.05781	22
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.05638	22
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.05871	22
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'WACO 138KV'	17.967	0.04391	-0.05774	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.05642	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.05741	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05762	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05765	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'ONE OAK 345KV'	136	0.02549	-0.05819	22
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.05751	22
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.05772	22
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'ONE OAK 345KV'	136	0.02549	-0.0564	22
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'SOONER 138KV'	505	0.0267	-0.05761	22
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'SOONER 345KV'	513	0.02759	-0.0585	22
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.05772	22
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'ONE OAK 345KV'	136	0.02549	-0.0564	22
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'SOONER 138KV'	505	0.0267	-0.05761	22
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'SOONER 345KV'	513	0.02759	-0.0585	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.05645	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.05737	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05758	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05761	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'ONE OAK 345KV'	136	0.02549	-0.05815	22
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.05747	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.05642	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.05734	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05755	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05758	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'ONE OAK 345KV'	136	0.02549	-0.05812	22
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.05744	22
WEPL	'RUSSELL 115KV'	27.9	0.23953	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.29724	-0.05771	23
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.05732	22
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.0544	23
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.05501	23
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.05591	23
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'WACO 138KV'	17.967	0.04391	-0.05494	23
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.01769	-0.05407	23
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.01769	-0.05407	23
MIDW	'GOODMAN ENERGY CENTER 115KV'	234.36	0.24223	WERE	'BPU - CITY OF MCPHERSON 115KV'	135	0.29724	-0.05501	23
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.05538	23
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.05599	23
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.05456	23
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'WACO 138KV'	17.967	0.04391	-0.05592	23
KACY	'KAW 69KV'	192	-0.03259	OKGE	'HORSESHOE LAKE 69KV'	106	0.02337	-0.05996	23
KACY	'KAW 69KV'	192	-0.03259	OKGE	'REDBUD 345KV'	350	0.02315	-0.05574	23
KACY	'KAW 69KV'	192	-0.03259	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.05559	23
KACY	'KAW 69KV'	192	-0.03259	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05565	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	OKGE	'AES 161KV'	320	0.00986	-0.05581	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.05487	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.05412	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'EASTMAN 138KV'	155	0.0097	-0.05565	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.05464	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.0562	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'FLINTON 115KV'	24.99999	0.00963	-0.05528	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'KNOWLE 138KV'	223	0.00983	-0.05568	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'L&D13 69KV'	11	0.00983	-0.05578	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'LEBROCK 345KV'	315	0.00968	-0.05563	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.05502	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.05561	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.05593	23
MIPU	'LAKE ROAD 161KV'	91	-0.04595	AEPW	'WILKES 345KV'	311	0.00985	-0.05558	23
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.05595	23
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.05607	23
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'REDBUD 345KV'	350	0.02315	-0.05585	23
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.0557	23
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05576	23
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	0.21855	WERE	'HUTCHINSON ENERGY CENTER 115KV'	285	0.27352	-0.05497	23
WEPL	'NORTH WEST GREAT BEND 115KV'	14.24	0.21855	WERE	'HUTCHINSON ENERGY CENTER 69KV'	40	0.27345	-0.0549	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.0547	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.05428	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.05562	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05583	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05586	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'REDBUD 345KV'	350	0.02315	-0.05498	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05397	23
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.05572	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.0547	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.05428	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.05562	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.05583	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'MUSTANG 69KV'	106	0.02495	-0.05586	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'REDBUD 345KV'	350	0.02315	-0.05406	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05397	23
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.05572	23
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.05603	23
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'REDBUD 345KV'	350	0.02315	-0.05581	23
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.05566	23
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05572	23
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.056	23
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'REDBUD 345KV'	350	0.02315	-0.05578	23
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.05563	23
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.05569	23
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.05422	23
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.05483	23
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	WERE	'TECUMSEH ENERGY CENTER 115KV'				

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

MIPU	TWA 161KV	32.1	-0.03816	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05585	23
MIPU	TWA 161KV	32.1	-0.03816	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05585	23
MIPU	TWA 161KV	32.1	-0.03816	AEPW	WELEETKA 138KV	84	0.01744	-0.0556	24
MIPU	ARIES 161KV	595	-0.01103	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.05358	24
KACP	SIBLEY CREEK 161KV	65	-0.03638	AEPW	WELEETKA 138KV	84	0.01744	-0.05352	24
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08805	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.05321	24
WERE	CITY OF OSAGE CITY 115KV	8.85	0.08805	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.0531	24
KACP	GARDNER 161KV	11	-0.03534	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05303	24
KACP	GARDNER 161KV	11	-0.03534	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05303	24
KACP	GARDNER 161KV	11	-0.03534	AEPW	WELEETKA 138KV	84	0.01744	-0.05278	24
WEPL	HARPER 138KV	17.21	0.08787	WEPL	GRAY COUNTY WIND FARM 115KV	76	0.14126	-0.05339	24
WEPL	HARPER 138KV	17.21	0.08787	WEPL	JUDSON LARGE 115KV	116.093	0.14115	-0.05328	24
WERE	HOLTON 115KV	19.8	-0.08273	KACP	HAWTHORN 161KV	769	-0.02884	-0.05389	24
WERE	HOLTON 115KV	19.8	-0.08273	KACP	NORTHEAST 13KV	32.0542	-0.03091	-0.05182	24
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	ASBURY 161KV	191	0.00608	-0.05203	24
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	RIVERTON 161KV	195.454	0.00737	-0.05332	24
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	RIVERTON 69KV	46.86428	0.00721	-0.05316	24
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	STATE LINE 161KV	503	0.00705	-0.053	24
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	CITY OF MULVANE 69KV	8.29	0.03897	-0.05237	24
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	CITY OF MULVANE 69KV	8.29	0.03897	-0.0528	24
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.05218	24
KACP	NORTHEAST 13KV	176.9458	-0.03091	OKGE	SEMINOLE 138KV	498.1026	0.023	-0.05391	24
KACP	NORTHEAST 161KV	209	-0.03091	OKGE	SEMINOLE 138KV	498.1026	0.023	-0.05391	24
MIPU	RALPH GREEN 69KV	73.7	-0.01085	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.0534	24
WEPL	RUSSELL 115KV	27.9	0.23853	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.05178	24
MIPU	SIBLEY 161KV	19.62943	-0.02208	OKGE	FRLWIND2 34KV	102	0.03077	-0.05268	24
MIPU	SIBLEY 161KV	19.62943	-0.02208	OKGE	SLEEPING BEAR 34KV	120	0.03061	-0.05269	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	COGENTRIX 345KV	665	0.01519	-0.05335	24
MIPU	TWA 161KV	32.1	-0.03816	OKGE	MUSKOGEE 345KV	1516	0.01419	-0.05235	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	NORTHEASTERN STATION 138KV	500	0.01373	-0.05189	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	OEC 345KV	206	0.01433	-0.05249	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	RIVER SIDE 138KV	172	0.01515	-0.05331	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.05331	24
MIPU	TWA 161KV	32.1	-0.03816	AEPW	TULSA POWER STATION 138KV	186	0.01499	-0.05315	24
EMDE	ASBURY 161KV	20	0.00608	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.0502	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	COGENTRIX 345KV	665	0.01519	-0.05167	25
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	MUSKOGEE 345KV	1516	0.01419	-0.05057	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	NORTHEASTERN STATION 138KV	500	0.01373	-0.05011	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	NORTHEASTERN STATION 345KV	645	0.01339	-0.04977	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	OEC 345KV	206	0.01433	-0.05071	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	RIVER SIDE 138KV	172	0.01515	-0.05153	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.05153	25
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	TULSA POWER STATION 138KV	186	0.01499	-0.05137	25
KACP	GARDNER 161KV	11	-0.03534	AEPW	COGENTRIX 345KV	665	0.01519	-0.05053	25
KACP	GARDNER 161KV	11	-0.03534	AEPW	RIVER SIDE 138KV	172	0.01515	-0.05049	25
KACP	GARDNER 161KV	11	-0.03534	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.05049	25
KACP	GARDNER 161KV	11	-0.03534	AEPW	TULSA POWER STATION 138KV	186	0.01499	-0.05033	25
WERE	HOLTON 115KV	19.8	-0.08273	KACY	NEARMAN 161KV	60.18689	-0.0327	-0.05003	25
WERE	HOLTON 115KV	19.8	-0.08273	KACY	NEARMAN 20KV	235	-0.0327	-0.05003	25
WERE	HOLTON 115KV	19.8	-0.08273	KACY	QUINDARO 161KV	117.3938	-0.03266	-0.05007	25
WERE	HOLTON 115KV	19.8	-0.08273	KACY	QUINDARO 69KV	72	-0.03263	-0.0501	25
KACY	KAW 69KV	192	-0.03259	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05028	25
KACY	KAW 69KV	192	-0.03259	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05028	25
KACY	KAW 69KV	192	-0.03259	AEPW	WELEETKA 138KV	84	0.01744	-0.05003	25
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	LARUSSEL 161KV	116	0.0054	-0.05135	25
MIPU	LAKE ROAD 161KV	91	-0.04595	EMDE	OZARK BEACH 161KV	16	0.00429	-0.05024	25
EMDE	LARUSSEL 161KV	180	0.0054	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.05088	25
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05039	25
KACY	NEARMAN 161KV	19.81311	-0.0327	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05039	25
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	WELEETKA 138KV	84	0.01744	-0.05014	25
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.05067	25
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.05128	25
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.04985	25
MIPU	NEVADA 69KV	20.3	-0.0073	WERE	WACO 138KV	17.967	0.04391	-0.05121	25
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05035	25
KACY	QUINDARO 161KV	67.60625	-0.03266	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05035	25
KACY	QUINDARO 161KV	67.60625	-0.03266	AEPW	WELEETKA 138KV	84	0.01744	-0.0501	25
KACY	QUINDARO 69KV	100	-0.03263	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.05032	25
KACY	QUINDARO 69KV	100	-0.03263	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.05032	25
KACY	QUINDARO 69KV	100	-0.03263	AEPW	WELEETKA 138KV	84	0.01744	-0.05007	25
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	COMANCHE 138KV	160	0.02915	-0.05123	25
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	COMANCHE 69KV	63	0.02893	-0.05101	25
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	SOUTHWESTERN STATION 138KV	438	0.02877	-0.05085	25
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.04978	25
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	GILL ENERGY CENTER 138KV	155	0.04388	-0.04939	25
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.05129	25
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	WACO 138KV	17.967	0.04391	-0.05032	25
MIPU	TWA 161KV	32.1	-0.03816	OKGE	MUSKOGEE 161KV	166	0.01319	-0.05135	25
MIPU	TWA 161KV	32.1	-0.03816	AEPW	NARROWS 69KV	22	0.01204	-0.0502	25
MIPU	TWA 161KV	32.1	-0.03816	AEPW	NORTHEASTERN STATION 345KV	645	0.01339	-0.05155	25
KACP	BULL CREEK 161KV	65	-0.03638	OKGE	MUSKOGEE 161KV	166	0.01319	-0.04957	26
KACP	BULL CREEK 161KV	65	-0.03638	AEPW	NARROWS 69KV	22	0.01204	-0.04842	26
WERE	CITY OF IOLA 69KV	13.157	0.00817	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.04811	26
KACP	GARDNER 161KV	11	-0.03534	OKGE	MUSKOGEE 161KV	166	0.01319	-0.04853	26
KACP	GARDNER 161KV	11	-0.03534	OKGE	MUSKOGEE 345KV	1516	0.01419	-0.04853	26
KACP	GARDNER 161KV	11	-0.03534	AEPW	NORTHEASTERN STATION 138KV	500	0.01373	-0.04807	26
KACP	GARDNER 161KV	11	-0.03534	AEPW	NORTHEASTERN STATION 345KV	645	0.01339	-0.04873	26
KACP	GARDNER 161KV	11	-0.03534	AEPW	OEC 345KV	206	0.01433	-0.04967	26
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	ABILENE ENERGY CENTER 115KV	40	0.29131	-0.04908	26
WERE	LAWRENCE ENERGY CENTER 230KV	41.91592	0.05628	WERE	EMPORIA 345KV	310	0.1046	-0.04832	26
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	CITY OF AUGUSTA 69KV	24	0.03524	-0.04864	26
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	CITY OF AUGUSTA 69KV	24	0.03524	-0.04907	26
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	COGENTRIX 345KV	665	0.01519	-0.04789	26
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	RIVER SIDE 138KV	172	0.01515	-0.04785	26
KACY	NEARMAN 161KV	19.81311	-0.0327	AEPW	RIVERSIDE STATION 138KV	646	0.01515	-0.04785	26
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.0488	26
KACP	NORTHEAST 13KV	176.9458	-0.03091	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.0488	26
KACP	NORTHEAST 13KV	176.9458	-0.03091	AEPW	WELEETKA 138KV	84	0.01744	-0.04835	26
KACP	NORTHEAST 161KV	209	-0.03091	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.0486	26
KACP	NORTHEAST 161KV	209	-0.03091	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.0486	26
KACP	NORTHEAST 161KV	209	-0.03091	AEPW	WELEETKA 138KV	84	0.01744	-0.04835	26
KACY	QUINDARO 161KV	67.60625	-0.03266	AEPW	COGENTRIX 345KV	665	0.01519	-0.04785	26
EMDE	RIVERTON 161KV	126.546	0.00737	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.04891	26
EMDE	RIVERTON 69KV	21.13571	0.00721	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.04907	26
MIPU	SIBLEY 161KV	19.62943	-0.02208	EMDE	ELK RIVER 345KV	46	0.02861	-0.04889	26
MIPU	SIBLEY 161KV	19.62943	-0.02208	OKGE	SOONER 138KV	505	0.0267	-0.04878	26
MIPU	SIBLEY 161KV	19.62943	-0.02208	OKGE	SOONER 345KV	513	0.02759	-0.04967	26
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.04896	26
EMDE	STATE LINE 161KV	103	0.00705	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.04923	26
MIPU	TWA 161KV	32.1	-0.03816	OKGE	AES 161KV	320	0.00986	-0.04802	26
MIPU	TWA 161KV	32.1	-0.03816	WERE	CHANUTE 69KV	55.637	0.01074	-0.0489	26
MIPU	TWA 161KV	32.1	-0.03816	WERE	CITY OF ERIE 69KV	23.374	0.01074	-0.0489	26
MIPU	TWA 161KV	32.1	-0.03816	AEPW	EASTMAN 138KV	155	0.0097	-0.04786	26
MIPU	TWA 161KV	32.1	-0.03816	AEPW	FLINT CREEK 161KV	428	0.01025	-0.04841	26
MIPU	TWA 161KV	32.1	-0.03816	AEPW	L&D13 69KV	104	0.00963	-0.04795	26
MIPU	TWA 161KV	32.1	-0.03816	AEPW	WELSH 345KV	1044	0.01066	-0.04882	

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

AEPW	'ARSENAL HILL 69KV'	75	-0.00892	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04736	27
KACP	'BULL CREEK 161KV'	65	-0.03638	OKGE	'AES 161KV'	320	0.00986	-0.04624	27
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CHANUTE 69KV'	56.637	0.01074	-0.04712	27
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04712	27
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04559	27
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'L&D13 69KV'	11	0.00983	-0.04521	27
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'WELSH 345KV'	1044	0.01066	-0.04704	27
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04636	27
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'WILKES 345KV'	311	0.00985	-0.04623	27
AEPW	'EASTMAN 138KV'	330.01	0.0097	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04658	27
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'NARROWS 69KV'	22	0.01204	-0.04738	27
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.04725	27
WERE	'HOLTON 115KV'	19.8	-0.08273	KACP	'BULL CREEK 161KV'	308	-0.03638	-0.04635	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'COGENTRIX 345KV'	665	0.01519	-0.04778	27
KACY	'KAW 69KV'	192	-0.03259	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.04878	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.04532	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'OEC 345KV'	206	0.01433	-0.04892	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'RIVER SIDE 138KV'	172	0.01515	-0.04774	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'RIVERSIDE STATION 138KV'	646	0.01515	-0.04774	27
KACY	'KAW 69KV'	192	-0.03259	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.04758	27
AEPW	'KNOXLEE 138KV'	198	0.00963	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04665	27
AEPW	'L&D13 69KV'	13	0.00983	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04645	27
AEPW	'LEBRONCK 345KV'	382	0.00968	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04666	27
AEPW	'LIEBERMAN 138KV'	138.7861	0.00907	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04721	27
AEPW	'LONGSTAR POWER PLANT 69KV'	50	0.01008	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04662	27
KACP	'MARSHALL 161KV'	54.1	-0.0134	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.04719	27
KACP	'MONTROSE 161KV'	18.53572	-0.01383	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.04762	27
KACP	'MONTROSE 161KV'	18.53572	-0.01383	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.04649	27
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.04889	27
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.04643	27
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'OEC 345KV'	206	0.01433	-0.04703	27
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.04769	27
AEPW	'PIRKEY GENERATION 138KV'	25	0.00966	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04662	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.04685	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.04539	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'OEC 345KV'	206	0.01433	-0.04569	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'RIVER SIDE 138KV'	172	0.01515	-0.04781	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'RIVERSIDE STATION 138KV'	646	0.01515	-0.04781	27
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.04765	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'COGENTRIX 345KV'	665	0.01519	-0.04782	27
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.04682	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.04636	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'OEC 345KV'	206	0.01433	-0.04696	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'RIVER SIDE 138KV'	172	0.01515	-0.04778	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'RIVERSIDE STATION 138KV'	646	0.01515	-0.04778	27
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.04762	27
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'MCCLAIN 138KV'	478	0.02471	-0.04679	27
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.047	27
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'MUSTANG 69KV'	106	0.02495	-0.04703	27
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'ONE OAK 345KV'	136	0.02549	-0.04757	27
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.04689	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04708	27
MIPU	'TWA 161KV'	32.1	-0.03816	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04633	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04685	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04749	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04779	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'LEBRONCK 345KV'	315	0.00968	-0.04784	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04723	27
MIPU	'TWA 161KV'	32.1	-0.03816	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04782	27
AEPW	'WILKES 138KV'	109.7319	0.00986	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04663	27
MIPU	'ARIES 161KV'	595	-0.01103	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.04482	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.0453	28
KACP	'BULL CREEK 161KV'	65	-0.03638	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04455	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'EASTMAN 138KV'	155	0.00907	-0.04608	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04507	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04571	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04601	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'LEBRONCK 345KV'	315	0.00968	-0.04606	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04545	28
KACP	'BULL CREEK 161KV'	65	-0.03638	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04604	28
WERE	'CHANUTE 69KV'	32.163	0.01074	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04554	28
KACP	'GARDNER 161KV'	11	-0.03534	OKGE	'AES 161KV'	320	0.00986	-0.0452	28
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CHANUTE 69KV'	56.637	0.01074	-0.04608	28
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04608	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'EASTMAN 138KV'	155	0.00907	-0.04507	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04559	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04467	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04497	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'L&D13 69KV'	11	0.00983	-0.04517	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'LEBRONCK 345KV'	315	0.00968	-0.04502	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.045	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'WELSH 345KV'	1044	0.01066	-0.046	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04532	28
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'WILKES 345KV'	311	0.00985	-0.04519	28
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.04568	28
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.04467	28
KACY	'KAW 69KV'	192	-0.03259	OKGE	'MUSKOGEE 161KV'	186	0.01319	-0.04579	28
KACY	'KAW 69KV'	192	-0.03259	AEPW	'NARROWS 69KV'	22	0.01204	-0.04633	28
KACP	'KAW 69KV'	192	-0.03259	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01339	-0.04598	28
KACP	'MARSHALL 161KV'	54.1	-0.0134	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.04606	28
AEPW	'MATTISON 161KV'	510	0.01018	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.0461	28
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.0446	28
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'MUSKOGEE 161KV'	166	0.01319	-0.04589	28
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'NARROWS 69KV'	22	0.01204	-0.04474	28
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01339	-0.04609	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'COGENTRIX 345KV'	665	0.01519	-0.04681	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.0451	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.04464	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'OEC 345KV'	206	0.01433	-0.04524	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'RIVER SIDE 138KV'	172	0.01515	-0.04606	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'RIVERSIDE STATION 138KV'	646	0.01515	-0.04606	28
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.0459	28
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'COGENTRIX 345KV'	665	0.01519	-0.0461	28
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'MUS				

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

MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'REDBUD 345KV'	306	0.02315	-0.04523	28
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'SEMINOLE 138KV'	498.1020	0.023	-0.04508	28
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.04514	28
AEPW	'TURK 138KV'	608	0.01072	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04556	28
MIPU	'TWA 161KV'	32.1	-0.03816	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04553	28
MIPU	'TWA 161KV'	32.1	-0.03816	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.04537	28
MIPU	'TWA 161KV'	32.1	-0.03816	EMDE	'STATE LINE 161KV'	503	0.00705	-0.04521	28
MIPU	'ARIES 161KV'	595	-0.01103	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.04369	29
KACP	'BULL CREEK 161KV'	65	-0.03638	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04375	29
KACP	'BULL CREEK 161KV'	65	-0.03638	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.04359	29
KACP	'BULL CREEK 161KV'	65	-0.03638	EMDE	'STATE LINE 161KV'	503	0.00705	-0.04343	29
WERE	'EMPORIA 345KV'	518	0.1046	WEPL	'SPEARVILLE WIND 34KV'	100	0.14805	-0.04345	29
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04426	29
KACP	'GARDNER 161KV'	11	-0.03534	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04351	29
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'FITZHUGH 161KV'	128	0.00869	-0.04403	29
KACP	'GARDNER 161KV'	11	-0.03534	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04441	29
KACY	'KAW 69KV'	192	-0.03259	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.04333	29
KACY	'KAW 69KV'	192	-0.03259	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04333	29
KACY	'KAW 69KV'	192	-0.03259	AEPW	'WELSH 345KV'	1044	0.01066	-0.04325	29
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.04417	29
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.04401	29
AEPW	'MID-CONTINENT 138KV'	142.11	0.01225	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04403	29
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.04444	29
OKGE	'MUSKOGEE 161KV'	31	0.01319	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04309	29
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.04344	29
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04344	29
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'WELSH 345KV'	1044	0.01066	-0.04336	29
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'MUSKOGEE 161KV'	166	0.01319	-0.0441	29
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01339	-0.0443	29
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'MUSKOGEE 161KV'	166	0.01319	-0.0441	29
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01339	-0.0443	29
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.0434	29
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.0434	29
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'WELSH 345KV'	1044	0.01066	-0.04332	29
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.04337	29
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04337	29
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'WELSH 345KV'	1044	0.01066	-0.04329	29
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.04351	29
MIPU	'TWA 161KV'	32.1	-0.03816	EMDE	'ASBURY 161KV'	191	0.00608	-0.04424	29
MIPU	'TWA 161KV'	32.1	-0.03816	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.04356	29
MIPU	'ARIES 161KV'	595	-0.01103	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.0418	30
MIPU	'ARIES 161KV'	595	-0.01103	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.04164	30
KACP	'BULL CREEK 161KV'	65	-0.03638	EMDE	'ASBURY 161KV'	191	0.00608	-0.04246	30
KACP	'BULL CREEK 161KV'	65	-0.03638	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.04178	30
KACP	'GARDNER 161KV'	11	-0.03534	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04271	30
KACP	'GARDNER 161KV'	11	-0.03534	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.04255	30
KACP	'GARDNER 161KV'	11	-0.03534	EMDE	'STATE LINE 161KV'	503	0.00705	-0.04239	30
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.04278	30
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.04262	30
KACY	'KAW 69KV'	192	-0.03259	OKGE	'AES 161KV'	320	0.00986	-0.04245	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'EASTMAN 138KV'	155	0.0097	-0.04229	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04284	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04192	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04222	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'L&D13 69KV'	11	0.00963	-0.04242	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'LEBROCK 345KV'	315	0.00968	-0.04227	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04166	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04225	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04257	30
KACY	'KAW 69KV'	192	-0.03259	AEPW	'WILKES 345KV'	311	0.00985	-0.04244	30
MIPU	'LAKE ROAD 161KV'	91	-0.04595	KACP	'LACYGNE UNIT 345KV'	958	-0.00304	-0.04291	30
KACP	'MARSHALL 161KV'	54.1	-0.0134	AEPW	'COMANCHE 138KV'	160	0.02915	-0.04255	30
KACP	'MARSHALL 161KV'	54.1	-0.0134	AEPW	'COMANCHE 69KV'	63	0.02893	-0.04233	30
KACP	'MARSHALL 161KV'	54.1	-0.0134	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.04217	30
KACP	'MONTROSE 161KV'	18.53572	-0.01383	AEPW	'COMANCHE 138KV'	160	0.02915	-0.04268	30
KACP	'MONTROSE 161KV'	18.53572	-0.01383	AEPW	'COMANCHE 69KV'	63	0.02893	-0.04278	30
KACP	'MONTROSE 161KV'	18.53572	-0.01383	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.0426	30
OKGE	'MUSKOGEE 345KV'	20	0.01419	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04209	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	OKGE	'AES 161KV'	320	0.00986	-0.04256	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04162	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'EASTMAN 138KV'	155	0.0097	-0.0424	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04295	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04203	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04233	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'L&D13 69KV'	11	0.00963	-0.04253	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'LEBROCK 345KV'	315	0.00968	-0.04238	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04177	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04236	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04268	30
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'WILKES 345KV'	311	0.00985	-0.04255	30
MIPU	'NEVADA 69KV'	20.3	-0.0073	WERE	'CITY OF AUGUSTA 69KV'	24	0.03524	-0.04254	30
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.04165	30
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04165	30
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'NARROWS 69KV'	22	0.01204	-0.04295	30
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'CHANUTE 69KV'	55.637	0.01074	-0.04165	30
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'CITY OF ERIE 69KV'	23.374	0.01074	-0.04165	30
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'NARROWS 69KV'	22	0.01204	-0.04295	30
AEPW	'OEC 345KV'	1941.03	0.01433	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04195	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	OKGE	'AES 161KV'	320	0.00986	-0.04252	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04158	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'EASTMAN 138KV'	155	0.0097	-0.04236	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04291	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04199	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04229	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'L&D13 69KV'	11	0.00963	-0.04249	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'LEBROCK 345KV'	315	0.00968	-0.04234	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.04173	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04232	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04264	30
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'WILKES 345KV'	311	0.00985	-0.04251	30
KACY	'QUINDARO 69KV'	100	-0.03263	OKGE	'AES 161KV'	320	0.00986	-0.04249	30
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'EASTMAN 138KV'	155	0.0097	-0.04233	30
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04288	30
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'FULTON 11				

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

MIPU	'GREENWOOD 161KV'	255.8	-0.01201	AEPW	'COMANCHE 69KV'	63	0.02893	-0.04094	31
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.04078	31
KACY	'KAW 69KV'	192	-0.03259	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04151	31
KACY	'KAW 69KV'	192	-0.03259	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04076	31
KACY	'KAW 69KV'	192	-0.03259	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04128	31
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SOONER 345KV'	513	0.02759	-0.04068	31
KACP	'MONTROSE 161KV'	18.53572	-0.01383	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.04064	31
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SOONER 138KV'	505	0.0267	-0.04053	31
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SOONER 345KV'	513	0.02759	-0.04142	31
KACY	'NEARMAN 161KV'	19.81311	-0.0327	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04087	31
KACY	'NEARMAN 161KV'	19.81311	-0.0327	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04139	31
MIPU	'NEVADA 69KV'	20.3	-0.0073	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.04109	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	OKGE	'AES 161KV'	320	0.00986	-0.04077	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'EASTMAN 138KV'	155	0.0097	-0.04061	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04116	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04054	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'LD13 69KV'	11	0.00983	-0.04074	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'LEBROCK 345KV'	315	0.00968	-0.04059	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04057	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'WELSH 345KV'	1044	0.01066	-0.04157	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04089	31
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'WILKES 345KV'	311	0.00985	-0.04076	31
KACP	'NORTHEAST 161KV'	209	-0.03091	OKGE	'AES 161KV'	320	0.00986	-0.04077	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'EASTMAN 138KV'	155	0.0097	-0.04061	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'FLINT CREEK 161KV'	428	0.01025	-0.04116	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'KNOXLEE 138KV'	225	0.00963	-0.04054	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'LD13 69KV'	11	0.00983	-0.04074	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'LEBROCK 345KV'	315	0.00968	-0.04059	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'PIRKEY GENERATION 138KV'	490	0.00966	-0.04057	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'WELSH 345KV'	1044	0.01066	-0.04157	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'WILKES 138KV'	353.2681	0.00998	-0.04089	31
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'WILKES 345KV'	311	0.00985	-0.04076	31
KACY	'QUINDARO 161KV'	67.60625	-0.03266	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.04083	31
KACY	'QUINDARO 161KV'	67.60625	-0.03266	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04135	31
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.04155	31
KACY	'QUINDARO 69KV'	100	-0.03263	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.0408	31
KACY	'QUINDARO 69KV'	100	-0.03263	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.04132	31
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.04146	31
AEPW	'RIVERSIDE STATION 138KV'	76.00003	0.01515	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04113	31
AEPW	'TULSA POWER STATION 138KV'	108	0.01499	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04129	31
AEPW	'TULSA POWER STATION 69KV'	80	0.01499	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.04129	31
MIPU	'ARIES 161KV'	595	-0.01103	AEPW	'COMANCHE 138KV'	160	0.02915	-0.04018	32
MIPU	'ARIES 161KV'	595	-0.01103	AEPW	'COMANCHE 69KV'	63	0.02893	-0.03996	32
MIPU	'ARIES 161KV'	595	-0.01103	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.0398	32
KACP	'GARDNER 161KV'	11	-0.0334	EMDE	'OZARK BEACH 161KV'	16	0.03429	-0.03963	32
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	OKGE	'SOONER 345KV'	513	0.02759	-0.0396	32
KACY	'KAW 69KV'	192	-0.03259	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.03986	32
KACY	'KAW 69KV'	192	-0.03259	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.0398	32
KACY	'KAW 69KV'	192	-0.03259	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03964	32
MIPU	'LAKE ROAD 161KV'	91	-0.04595	MIPU	'SOUTH HARPER 161KV'	280.4871	-0.00641	-0.03954	32
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03948	32
KACP	'MARSHALL 161KV'	54.1	-0.0134	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.04021	32
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SOONER 138KV'	505	0.0267	-0.0401	32
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'ONE OAK 345KV'	136	0.02549	-0.03932	32
KACY	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04007	32
KACY	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.03987	32
KACY	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03975	32
MIPU	'NEVADA 69KV'	20.3	-0.0073	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.03996	32
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.03983	32
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.03908	32
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.0396	32
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04024	32
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.03988	32
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'ARSENAL HILL 69KV'	15	0.00892	-0.03983	32
KACP	'NORTHEAST 161KV'	209	-0.03091	WERE	'CITY OF IOLA 69KV'	24.471	0.00817	-0.03908	32
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'FITZHUGH 161KV'	126	0.00869	-0.0396	32
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'FULTON 115KV'	24.99999	0.00933	-0.04024	32
KACP	'NORTHEAST 161KV'	209	-0.03091	AEPW	'LIEBERMAN 138KV'	89.21387	0.00907	-0.03988	32
KACY	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04003	32
KACY	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.03987	32
KACY	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03971	32
KACY	'QUINDARO 69KV'	100	-0.03263	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.04	32
KACY	'QUINDARO 69KV'	100	-0.03263	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.03984	32
KACY	'QUINDARO 69KV'	100	-0.03263	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03968	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	AEPW	'COMANCHE 138KV'	160	0.02915	-0.04	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	AEPW	'COMANCHE 69KV'	63	0.02893	-0.03978	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.03962	32
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'CITY OF BURLINGTON 69KV'	34.061	0.01769	-0.03977	32
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.98	0.01769	-0.03977	32
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'WELEETKA 138KV'	84	0.01744	-0.03952	32
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	WERE	'CITY OF WINFIELD 69KV'	26.77	0.03379	-0.0402	32
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	AEPW	'WEATHERFORD 34KV'	148	0.03266	-0.03907	32
MIPU	'ARIES 161KV'	595	-0.01103	OKGE	'SOONER 345KV'	513	0.02759	-0.03862	33
EMDE	'ASBURY 161KV'	20	0.00608	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.0379	33
EMDE	'ASBURY 161KV'	20	0.00608	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.0386	33
WERE	'CITY OF BURLINGTON 69KV'	21.939	0.01768	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.03859	33
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.03882	33
MIPU	'GREENWOOD 161KV'	255.8	-0.01201	OKGE	'SOONER 138KV'	505	0.0267	-0.03871	33
KACY	'KAW 69KV'	192	-0.03259	EMDE	'ASBURY 161KV'	191	0.00608	-0.03867	33
KACY	'KAW 69KV'	192	-0.03259	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.03799	33
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.03797	33
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03858	33
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'WACO 138KV'	17.967	0.04391	-0.03851	33
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'MCCLELLAN 138KV'	478	0.02471	-0.03811	33
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.03832	33
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'MUSTANG 69KV'	106	0.02495	-0.03835	33
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'ONE OAK 345KV'	136	0.02549	-0.03889	33
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.03821	33
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'MCCLELLAN 138KV'	478	0.02471	-0.03854	33
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.03875	33
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'MUSTANG 69KV'	106	0.02495	-0.03878	33
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.03864	33
KACY	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'ASBURY 161KV'	191	0.00608	-0.03878	33
KACY	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.0381	33
MIPU	'NEVADA 69KV'	20.3	-0.0073	OKGE	'FPLWIND 34KV'	102	0.03977	-0.03807	33
MIPU	'NEVADA 69KV'	20.3	-0.0073	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.03791	33
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.03828	33
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.03812	33
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03796	33
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'RIVERTON 161KV'	195.454	0.00737	-0.03828	33
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'RIVERTON 69KV'	46.86428	0.00721	-0.03812	33
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'STATE LINE 161KV'	503	0.00705	-0.03796	33
KACY	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'ASBURY 161KV'	191	0.00608	-0.03874	33
KACY	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.03806	33
KACY	'QUINDARO 69KV'	100	-0.03263	EMDE	'ASBURY 161KV'	191	0.00608	-0.03871	33

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

MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'SOONER 138KV'	505	0.0267	-0.03773	34
EMDE	'ASBURY 161KV'	20	0.0608	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.03729	34
EMDE	'ASBURY 161KV'	20	0.0608	WERE	'WACO 138KV'	17.967	0.04391	-0.03783	34
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.03693	34
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'MUSTANG 69KV'	106	0.02495	-0.03596	34
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'ONE OAK 345KV'	136	0.02549	-0.03375	34
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.03682	34
WERE	'HOLTON 115KV'	19.8	-0.08273	MIPU	'LAKE ROAD 161KV'	35	-0.04595	-0.03678	34
WERE	'HOLTON 115KV'	19.8	-0.08273	MIPU	'LAKE ROAD 34KV'	92	-0.04595	-0.03678	34
KACP	'KAW 69KV'	192	-0.03259	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.03688	34
EMDE	'LARUSSEL 161KV'	180	0.0054	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03715	34
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.03719	34
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'HORSESHOE LAKE 69KV'	146	0.02337	-0.03677	34
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.03762	34
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'HORSESHOE LAKE 69KV'	146	0.02337	-0.03762	34
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'REDBUD 345KV'	350	0.02315	-0.03698	34
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.03683	34
KACP	'MONTROSE 161KV'	18.53572	-0.01383	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.03689	34
KACP	'NEARMAN 161KV'	19.81311	-0.0327	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.03699	34
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'ASBURY 161KV'	191	0.00608	-0.03699	34
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'ASBURY 161KV'	191	0.00608	-0.03699	34
KACP	'QUINDARO 161KV'	67.60625	-0.03266	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.03695	34
KACP	'QUINDARO 69KV'	100	-0.03263	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.03692	34
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	EMDE	'ELK RIVER 345KV'	46	0.02681	-0.03766	34
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'SOONER 138KV'	505	0.0267	-0.03755	34
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03751	34
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03677	34
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03767	34
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'COGENTRIX 345KV'	665	0.01519	-0.03727	34
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'RIVER SIDE 138KV'	172	0.01515	-0.03723	34
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'RIVERSIDE STATION 138KV'	646	0.01515	-0.03723	34
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'TULSA POWER STATION 138KV'	186	0.01499	-0.03707	34
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	OKGE	'FPLWIND2 34KV'	102	0.03077	-0.03718	34
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	OKGE	'SLEEPING BEAR 34KV'	120	0.03061	-0.03702	34
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03693	34
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03783	34
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'WACO 138KV'	17.967	0.04391	-0.03686	34
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'MCLAIN 138KV'	478	0.02471	-0.03574	35
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.03595	35
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'MUSTANG 69KV'	106	0.02495	-0.03598	35
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'ONE OAK 345KV'	136	0.02549	-0.03652	35
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.03584	35
AEPW	'ARSENAL HILL 69KV'	75	0.00892	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03596	35
EMDE	'ASBURY 161KV'	20	0.0608	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03647	35
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03581	35
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03671	35
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'WACO 138KV'	17.967	0.04391	-0.03574	35
WERE	'EMPORIA 345KV'	518	0.1046	WEPL	'GRAY COUNTY WIND FARM 115KV'	76	0.14126	-0.03666	35
WERE	'EMPORIA 345KV'	518	0.1046	WEPL	'JUDSON LARGE 115KV'	116.093	0.14115	-0.03655	35
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.0358	35
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'MCLAIN 138KV'	478	0.02471	-0.03672	35
WEPL	'HARPER 138KV'	17.21	0.08787	WEPL	'CIMARRON RIVER 115KV'	33.49084	0.12377	-0.0359	35
AEPW	'KIOWA 345KV'	1348	0.0199	WERE	'LAWRENCE ENERGY CENTER 230KV'	227.0841	0.05628	-0.03638	35
AEPW	'LIEBERMAN 138KV'	138.7861	0.00907	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03581	35
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'REDBUD 345KV'	350	0.02315	-0.03565	35
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.03564	35
KACP	'MARSHALL 161KV'	54.1	-0.0134	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.03546	35
MIPU	'NEVADA 69KV'	20.3	-0.0073	AEPW	'COMANCHE 138KV'	160	0.02915	-0.03545	35
MIPU	'NEVADA 69KV'	20.3	-0.0073	AEPW	'COMANCHE 69KV'	63	0.02893	-0.03623	35
MIPU	'NEVADA 69KV'	20.3	-0.0073	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.03607	35
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.03631	35
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'LARUSSEL 161KV'	116	0.0054	-0.03631	35
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'MUSTANG 138KV'	365.5	0.02492	-0.03577	35
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'MUSTANG 69KV'	106	0.02495	-0.0358	35
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'ONE OAK 345KV'	136	0.02549	-0.03534	35
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.036	35
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.0361	35
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'WACO 138KV'	17.967	0.04391	-0.03654	35
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.03616	35
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'WACO 138KV'	17.967	0.04391	-0.0367	35
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'MUSKOGEE 345KV'	1516	0.01419	-0.03627	35
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'NORTHEASTERN STATION 138KV'	500	0.01373	-0.03581	35
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'OEC 345KV'	206	0.01433	-0.03641	35
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.03632	35
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'HORSESHOE LAKE 138KV'	466.498	0.02379	-0.03482	36
AEPW	'ARSENAL HILL 69KV'	75	0.00892	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03506	36
AEPW	'ARSENAL HILL 69KV'	75	0.00892	WERE	'WACO 138KV'	17.967	0.04391	-0.03499	36
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.0352	36
AEPW	'EASTMAN 138KV'	330.01	0.0097	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03518	36
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.03538	36
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'REDBUD 345KV'	350	0.02315	-0.03516	36
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.03501	36
MIPU	'GREENWOOD 161KV'	255.8	-0.1201	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.03507	36
AEPW	'KNOXLEE 138KV'	198	0.00963	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03525	36
AEPW	'LAD13 69KV'	13	0.00983	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03505	36
AEPW	'LEBROCK 345KV'	382	0.00968	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.0352	36
AEPW	'LIEBERMAN 138KV'	138.7861	0.00907	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03491	36
AEPW	'LIEBERMAN 138KV'	138.7861	0.00907	WERE	'WACO 138KV'	17.967	0.04391	-0.03484	36
AEPW	'LONESTAR POWER PLANT 69KV'	50	0.01008	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.0348	36
MIPU	'NEVADA 69KV'	20.3	-0.0073	OKGE	'SOONER 345KV'	513	0.02759	-0.03489	36
KACP	'NORTHEAST 13KV'	176.9458	-0.03091	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.0352	36
KACP	'NORTHEAST 161KV'	209	-0.03091	EMDE	'OZARK BEACH 161KV'	16	0.00429	-0.0352	36
AEPW	'PIRKEY GENERATION 138KV'	25	0.00966	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03522	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'MCLAIN 138KV'	478	0.02471	-0.03566	36
MIPU	'RALPH GREEN 69KV'	73.7	-0.01085	OKGE	'SMITH COGEN 138KV'	120	0.02481	-0.03566	36
EMDE	'RIVERTON 161KV'	126.546	0.00737	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03518	36
EMDE	'RIVERTON 69KV'	21.13571	0.00721	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03534	36
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	OKGE	'MUSKOGEE 161KV'	166	0.01319	-0.03527	36
MIPU	'SIBLEY 161KV'	19.62943	-0.02208	AEPW	'NORTHEASTERN STATION 345KV'	645	0.01399	-0.03547	36
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	AEPW	'COMANCHE 138KV'	160	0.02915	-0.03556	36
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	AEPW	'COMANCHE 69KV'	63	0.02893	-0.03534	36
MIPU	'SOUTH HARPER 161KV'	34.51287	-0.00641	AEPW	'SOUTHWESTERN STATION 138KV'	438	0.02877	-0.03518	36
EMDE	'STATE LINE 161KV'	103	0.00705	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03565	36
MIPU	'TWA 161KV'	32.1	-0.03816	KACP	'LACYGNE UNIT 345KV'	958	-0.03034	-0.03512	36
AEPW	'WILKES 138KV'	109.7319	0.00908	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.0349	36
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'HORSESHOE LAKE 69KV'	16	0.02337	-0.0344	37
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'REDBUD 345KV'	350	0.02315	-0.03418	37
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'SEMINOLE 138KV'	498.1026	0.023	-0.03403	37
MIPU	'ARIES 161KV'	595	-0.1103	OKGE	'SEMINOLE 345KV'	996	0.02306	-0.03409	37
AEPW	'ARSENAL HILL 69KV'	75	0.00892	WERE	'EVANS ENERGY CENTER 138KV'	510	0.04337	-0.03445	37
WERE	'CHANUTE 69KV'	32.163	0.01074	WERE	'TECUMSEH ENERGY CENTER 115KV'	145.7261	0.04488	-0.03414	37
WERE	'CITY OF IOLA 69KV'	13.157	0.00817	WERE	'GILL ENERGY CENTER 69KV'	45	0.04255	-0.03438	37
AEPW	'EASTMAN 138KV'	330.01	0.0097	WERE	'GILL ENERGY CENTER 138KV'	155	0.04398	-0.03428	37
AEPW	'EASTMAN 138KV'	330.01	0.0097	WERE	'WACO 138KV'	17.967	0.04391	-0.03421	37
AEPW	'KNOXLEE 138KV'	198							

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

AEPW	LEBROCK 345KV	382	0.00968	WERE	WACO 138KV	17.967	0.04391	-0.03423	37
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.0343	37
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.0339	37
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	WACO 138KV	17.967	0.04391	-0.03383	37
AEPW	MATTISON 161KV	510	0.01018	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.0347	37
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	ELK RIVER 345KV	46	0.02681	-0.0341	37
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	SOONER 138KV	505	0.0267	-0.034	37
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03432	37
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	WACO 138KV	17.967	0.04391	-0.03425	37
MIPU	RALPH GREEN 69KV	73.7	-0.01085	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.03464	37
MIPU	RALPH GREEN 69KV	73.7	-0.01085	OKGE	HORSESHOE LAKE 69KV	16	0.02337	-0.03422	37
MIPU	RALPH GREEN 69KV	73.7	-0.01085	OKGE	REDBUD 345KV	350	0.02315	-0.034	37
MIPU	RALPH GREEN 69KV	73.7	-0.01085	OKGE	SEMINOLE 138KV	498.1026	0.023	-0.03385	37
MIPU	RALPH GREEN 69KV	73.7	-0.01085	OKGE	SEMINOLE 345KV	996	0.02306	-0.03391	37
WEPL	RUSSELL 115KV	27.9	0.23953	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.03399	37
WEPL	RUSSELL 115KV	27.9	0.23953	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.03392	37
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	NARROWS 69KV	22	0.01204	-0.03412	37
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	OKGE	SOONER 345KV	513	0.02759	-0.034	37
AEPW	TURK 138KV	608	0.01072	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.03416	37
AEPW	WILKES 138KV	109.7319	0.00998	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.034	37
AEPW	WILKES 138KV	109.7319	0.00998	WERE	WACO 138KV	17.967	0.04391	-0.03393	37
AEPW	ARSENAL HILL 69KV	75	0.00892	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03363	38
KACP	BULL CREEK 161KV	65	-0.03638	KACP	LACYGNE UNIT 345KV	958	-0.00304	-0.03334	38
WERE	CHANUTE 69KV	32.163	0.01074	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03324	38
WERE	CHANUTE 69KV	32.163	0.01074	WERE	WACO 138KV	17.967	0.04391	-0.03317	38
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03367	38
AEPW	KNOXLEE 138KV	198	0.00963	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03374	38
AEPW	LAD13 69KV	13	0.00983	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03354	38
AEPW	LEBROCK 345KV	382	0.00968	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03369	38
AEPW	LIEBERMAN 138KV	138.7861	0.00907	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03348	38
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03329	38
AEPW	MATTISON 161KV	510	0.01018	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03319	38
AEPW	MATTISON 161KV	510	0.01018	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03338	38
AEPW	MATTISON 161KV	510	0.01018	WERE	WACO 138KV	17.967	0.04391	-0.03373	38
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03371	38
OKGE	REBUD 345KV	850	0.02315	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.03313	38
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	EMDE	ELK RIVER 345KV	46	0.02681	-0.03322	38
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	OKGE	SOONER 138KV	505	0.0267	-0.03311	38
AEPW	TURK 138KV	608	0.01072	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03326	38
AEPW	TURK 138KV	608	0.01072	WERE	WACO 138KV	17.967	0.04391	-0.03319	38
AEPW	WILKES 138KV	109.7319	0.00998	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03339	38
WERE	CHANUTE 69KV	32.163	0.01074	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03263	39
AEPW	EASTMAN 138KV	330.01	0.0097	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03285	39
OKGE	HORSESHOE LAKE 138KV	385.002	0.02379	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.03249	39
WERE	HUTCHINSON ENERGY CENTER 115KV	171	0.27352	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.03283	39
AEPW	KNOXLEE 138KV	198	0.00963	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03292	39
AEPW	LAD13 69KV	13	0.00983	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03272	39
MIPU	LAKE ROAD 161KV	91	-0.04595	KACP	MONTROSE 161KV	362.4643	-0.01383	-0.03212	39
AEPW	LEBROCK 345KV	382	0.00968	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03287	39
AEPW	LONESTAR POWER PLANT 69KV	50	0.01008	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03247	39
MIDW	lyons 115kv	999	0.1987	WEPL	CLIFTON 115KV	65	0.23153	-0.03283	39
AEPW	MATTISON 161KV	510	0.01018	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03237	39
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.03263	39
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	MUSTANG 138KV	365.5	0.02492	-0.03222	39
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	MUSTANG 69KV	106	0.02495	-0.03225	39
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	ONE OAK 345KV	136	0.02549	-0.03278	39
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	SMITH COGEN 138KV	120	0.02481	-0.03211	39
MIDW	pawnee 115kv	999	0.1987	WEPL	CLIFTON 115KV	65	0.23153	-0.03283	39
AEPW	PIRKEY GENERATION 138KV	25	0.00966	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03289	39
MIDW	rice 115kv	999	0.1987	WEPL	CLIFTON 115KV	65	0.23153	-0.03283	39
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	CHANUTE 69KV	55.637	0.01074	-0.03282	39
MIPU	SIBLEY 161KV	19.62943	-0.02208	WERE	CITY OF ERIE 69KV	23.374	0.01074	-0.03282	39
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	FLINT CREEK 161KV	428	0.01025	-0.03233	39
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	WELSH 345KV	1044	0.01066	-0.03274	39
OKGE	TURK 138KV	608	0.01072	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.03234	39
AEPW	TURK 138KV	608	0.01072	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03265	39
AEPW	WILKES 138KV	109.7319	0.00998	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03257	39
WERE	CHANUTE 69KV	32.163	0.01074	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03181	40
WERE	CLAY CENTER JUNCTION 115KV	38.1	0.27472	WERE	SMOKEY HILLS 34KV	152	0.30635	-0.03163	40
OKGE	MCCLAIN 138KV	42	0.02471	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.03157	40
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03173	40
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	WACO 138KV	17.967	0.04391	-0.03166	40
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.03152	40
KACP	MONTROSE 161KV	18.53572	-0.01383	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.03152	40
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.03189	40
MIPU	MUSKOGEE 161KV	20.3	-0.0073	OKGE	MCCLAIN 138KV	478	0.02471	-0.03201	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	OKGE	AES 161KV	320	0.00986	-0.03194	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	EASTMAN 138KV	155	0.0097	-0.03178	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	FULTON 115KV	24.99999	0.00933	-0.03141	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	KNOXLEE 138KV	225	0.00963	-0.03171	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	LEBROCK 345KV	315	0.00968	-0.03176	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	PIRKEY GENERATION 138KV	490	0.00966	-0.03174	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	WILKES 138KV	353.2681	0.00998	-0.03206	40
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	WILKES 345KV	311	0.00985	-0.03193	40
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	OKGE	MUSTANG 138KV	365.5	0.02492	-0.03133	40
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	OKGE	MUSTANG 69KV	106	0.02495	-0.03136	40
MIPU	SOUTH HARPER 161KV	34.51287	-0.00641	OKGE	ONE OAK 345KV	136	0.02549	-0.0319	40
AEPW	TURK 138KV	608	0.01072	WERE	GILL ENERGY CENTER 69KV	45	0.04255	-0.03183	40
MIPU	TWA 161KV	32.1	-0.03816	MIPU	SOUTH HARPER 161KV	280.4871	-0.00641	-0.03175	40
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	HUTCHINSON ENERGY CENTER 115KV	285	0.27352	-0.03129	41
MIDW	GOODMAN ENERGY CENTER 115KV	234.36	0.24223	WERE	HUTCHINSON ENERGY CENTER 69KV	40	0.27345	-0.03122	41
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	CITY OF BURLINGTON 69KV	34.061	0.01769	-0.03109	41
KACP	MARSHALL 161KV	54.1	-0.0134	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.98	0.01769	-0.03109	41
KACP	MARSHALL 161KV	54.1	-0.0134	AEPW	WELLETKA 138KV	84	0.01744	-0.03084	41
AEPW	MID-CONTINENT 138KV	142.11	0.01225	WERE	EVANS ENERGY CENTER 138KV	510	0.04337	-0.03112	41
KACP	MONTROSE 161KV	18.53572	-0.01383	AEPW	WELLETKA 138KV	84	0.01744	-0.03127	41
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	GILL ENERGY CENTER 138KV	155	0.04398	-0.03079	41
OKGE	MUSKOGEE 161KV	31	0.01319	WERE	WACO 138KV	17.967	0.04391	-0.03072	41
OKGE	MUSKOGEE 345KV	20	0.01419	WERE	TECUMSEH ENERGY CENTER 115KV	145.7261	0.04488	-0.03069	41
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	HORSESHOE LAKE 138KV	466.498	0.02379	-0.03109	41
MIPU	NEVADA 69KV	20.3	-0.0073	OKGE	HORSESHOE LAKE 69KV	16	0.02337	-0.03067	41
OKGE	ONE OAK 345KV	200	0.02549	WERE	LAWRENCE ENERGY CENTER 230KV	227.0841	0.05628	-0.03079	41
MIPU	SIBLEY 161KV	19.62943	-0.02208	AEPW	ARSENAL HILL 69KV	15	0.00892	-0.031	41
MIPU	SIBLEY 161KV	19.62943	-0.02208						

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

Upgrade: WICHITA - RENO 345KV
 Limiting Facility: NORTH AMERICAN PHILIPS - NORTH AMERICAN PHILIPS JUNCTION (SOUTH) 115KV CKT 1
 Direction: From -> To
 Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
 Flowgate: 5737257341568725687312208WP
 Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC
 Season Flowgate Identified: 2008 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)
1161506	12.7	16.1										
1162675	3.4	16.1										
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.5342	30			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.53553	30			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.53581	30			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	EMPORIA 345KV	380	0.01535	-0.5217	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACP	HAWTHORN 161KV	455	0.00835	-0.5147	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACP	IATAN 345KV	396	0.0111	-0.51745	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACP	LACYGNE UNIT 345KV	958	0.00777	-0.51412	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIPU	LAKE ROAD 161KV	35	0.00658	-0.51293	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIPU	LAKE ROAD 34KV	92	0.00658	-0.51293	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.0173	-0.52365	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACP	MONTROSE 161KV	205.0929	0.00748	-0.51383	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACY	NEARMAN 161KV	18.16388	0.0095	-0.51585	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACY	NEARMAN 20KV	220	0.0095	-0.51585	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACY	QUINDARO 161KV	116.942	0.00945	-0.5158	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACY	QUINDARO 69KV	72	0.00942	-0.51577	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIPU	SIBLEY 161KV	229.1608	0.00782	-0.51417	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIPU	SIBLEY 69KV	45.99999	0.00793	-0.51428	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIPU	SOUTH HARPER 161KV	75.19196	0.00921	-0.51556	31			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	AES 161KV	320	-0.00087	-0.50548	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	ASBURY 161KV	191	0.00243	-0.50878	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	CHANUTE 69KV	34.903	0.00266	-0.50901	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	CITY OF AUGUSTA 69KV	15	0.00138	-0.50773	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	CITY OF BURLINGTON 69KV	20.393	0.00472	-0.51107	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	CITY OF IOLA 69KV	19.902	0.00306	-0.50941	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00472	-0.51107	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	COGENTRIX 345KV	200	-0.00126	-0.50509	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	COMANCHE 138KV	160	-0.00955	-0.4968	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	COMANCHE 69KV	35	-0.0094	-0.49695	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	EASTMAN 138KV	66	-0.00175	-0.5046	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	ELK RIVER 345KV	150	0.00228	-0.50963	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	FITZHUGH 161KV	126	-0.00066	-0.50569	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	FLINT CREEK 161KV	400	0.00023	-0.50658	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	FPLWIND2 34KV	61.9956	-0.00824	-0.49811	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	FULTON 115KV	32.99999	-0.00164	-0.50471	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	KNOXLEE 138KV	103	-0.00174	-0.50461	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	L&D13 69KV	24	-0.00076	-0.50559	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	LEBROCK 345KV	315	-0.00175	-0.5046	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	KACP	MARSHALL 161KV	15	0.00481	-0.51096	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	MCCLAIN 138KV	478	-0.0049	-0.50145	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	MUSKOGEE 345KV	1516	-0.00134	-0.50501	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	NORTHEASTERN STATION 138KV	240	-0.00038	-0.50597	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	NORTHEASTERN STATION 345KV	600	-0.00008	-0.50627	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	OEC 345KV	219	-0.00091	-0.50544	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	OZARK BEACH 161KV	1.6	0.00143	-0.50778	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	PIRKEY GENERATION 138KV	450	-0.00174	-0.50461	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	REDBUD 345KV	250	-0.00395	-0.5024	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00124	-0.50511	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	RIVERTON 161KV	38	0.00183	-0.50818	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	RIVERTON 69KV	44.59597	0.00178	-0.50813	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	SEMINOLE 138KV	448.9081	-0.0048	-0.50175	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	SEMINOLE 345KV	590	-0.00449	-0.50186	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	SMITH COGEN 138KV	120	-0.00481	-0.50154	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	SOONER 138KV	505	-0.00312	-0.50323	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	OKGE	SOONER 345KV	513	-0.00343	-0.50292	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00919	-0.49716	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	EMDE	STATE LINE 161KV	356.7808	0.00183	-0.50818	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	WERE	WACO 138KV	17.414	-0.00411	-0.50224	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	WELSH 345KV	975.0001	-0.00197	-0.50438	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	WILKES 138KV	134.7028	-0.00181	-0.50454	32			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	AEPW	WILKES 345KV	186.8942	-0.00178	-0.50457	32			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.43015	37			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.43043	37			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.42975	37			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.43003	37			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.42882	38			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.0173	-0.41827	38			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.42842	38			
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50635	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.09305	-0.4133	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	EMPORIA 345KV	380	0.01535	-0.41632	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACP	HAWTHORN 161KV	455	0.00835	-0.40832	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACP	IATAN 345KV	396	0.0111	-0.41207	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACP	LACYGNE UNIT 345KV	958	0.00777	-0.40874	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACP	MONTROSE 161KV	205.0929	0.00748	-0.40845	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACY	NEARMAN 161KV	18.16388	0.0095	-0.41047	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACY	NEARMAN 20KV	220	0.0095	-0.41047	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACY	QUINDARO 161KV	116.942	0.00945	-0.41042	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACY	QUINDARO 69KV	72	0.00942	-0.41039	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIPU	SIBLEY 161KV	229.1608	0.00782	-0.40879	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIPU	SIBLEY 69KV	45.99999	0.00793	-0.4089	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIPU	SOUTH HARPER 161KV	75.19196	0.00921	-0.41018	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	EMPORIA 345KV	380	0.01535	-0.41592	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACP	HAWTHORN 161KV	455	0.00835	-0.40892	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACP	IATAN 345KV	396	0.0111	-0.41167	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACP	LACYGNE UNIT 345KV	958	0.00777	-0.40834	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.0173	-0.41787	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACP	MONTROSE 161KV	205.0929	0.00748	-0.40805	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACY	NEARMAN 161KV	18.16388	0.0095	-0.41007	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACY	NEARMAN 20KV	220	0.0095	-0.41007	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACY	QUINDARO 161KV	116.942	0.00945	-0.41002	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACY	QUINDARO 69KV	72	0.00942	-0.40999	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIPU	SIBLEY 161KV	229.1608	0.00782	-0.40839	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIPU	SIBLEY 69KV	45.99999	0.00793	-0.40885	39			
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIPU	SOUTH HARPER 161KV	75.19196	0.00921	-0.40878	39			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	AES 161KV	320	-0.00087	-0.40001	40			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	EMDE	ASBURY 161KV	191	0.00243	-0.4034	40			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	CHANUTE 69KV	34.903	0.00266	-0.40363	40			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	CITY OF AUGUSTA 69KV	15	0.00138	-0.40235	40			
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	CITY OF BURLINGTON 69KV	20.3						

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

WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	FLINT CREEK 161KV	400	0.00203	-0.4012	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	FULTON 115KV	32.99999	-0.00164	-0.39933	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	KNOXLEE 138KV	103	-0.00174	-0.39923	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	L&D13 69KV	24	-0.00076	-0.40021	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIPU	LAKE ROAD 161KV	35	0.00658	-0.40755	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIPU	LAKE ROAD 34KV	92	0.00658	-0.40755	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	LEBROCK 345KV	315	-0.00175	-0.39922	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	KACP	MARSHALL 161KV	15	0.00461	-0.40558	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	MUSKOGEE 345KV	1516	-0.00134	-0.39963	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	NORTHEASTERN STATION 138KV	240	-0.00038	-0.40059	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	NORTHEASTERN STATION 345KV	600	-0.00008	-0.40089	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	OEC 345KV	219	-0.00091	-0.40006	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	EMDE	OZARK BEACH 161KV	16	0.00143	-0.4024	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	PIRKEY GENERATION 138KV	450	-0.00174	-0.39923	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00124	-0.39973	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	EMDE	RIVERTON 161KV	38	0.00183	-0.4028	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	EMDE	RIVERTON 69KV	44.59597	0.00178	-0.40275	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	SOONER 138KV	505	-0.00312	-0.39785	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	EMDE	STATE LINE 161KV	356.7808	0.00183	-0.4028	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	WELSH 345KV	975.0001	-0.00197	-0.399	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	WILKES 138KV	134.7028	-0.00181	-0.39916	40
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	WILKES 345KV	186.6942	-0.00178	-0.39919	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	AES 161KV	320	-0.00087	-0.3997	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	ASBURY 161KV	191	0.00243	-0.403	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	CHANUTE 69KV	34.903	0.00268	-0.40323	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	CITY OF AUGUSTA 69KV	15	0.00143	-0.40195	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	CITY OF BURLINGTON 69KV	20.393	0.00472	-0.40529	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	CITY OF IOLA 69KV	19.902	0.00306	-0.40363	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	COFFEY COUNTY NO. 2 SHARPE 69KV	19.61	0.00472	-0.40529	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	COGENTRIX 345KV	200	-0.00126	-0.39931	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	EASTMAN 138KV	355	-0.00175	-0.39882	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	ELK RIVER 345KV	150	0.00228	-0.40285	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	FITZHUGH 161KV	126	-0.00066	-0.39991	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	FLINT CREEK 161KV	400	0.00203	-0.4008	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	FULTON 115KV	32.99999	-0.00164	-0.39933	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	KNOXLEE 138KV	103	-0.00174	-0.39923	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	L&D13 69KV	24	-0.00076	-0.39981	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIPU	LAKE ROAD 161KV	35	0.00658	-0.40715	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIPU	LAKE ROAD 34KV	92	0.00658	-0.40715	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	LEBROCK 345KV	315	-0.00175	-0.39882	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	KACP	MARSHALL 161KV	15	0.00461	-0.40518	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	MUSKOGEE 345KV	1516	-0.00134	-0.39923	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	NORTHEASTERN STATION 138KV	240	-0.00038	-0.40019	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	NORTHEASTERN STATION 345KV	600	-0.00008	-0.40049	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	OEC 345KV	219	-0.00091	-0.39966	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	OZARK BEACH 161KV	16	0.00143	-0.402	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	PIRKEY GENERATION 138KV	450	-0.00174	-0.39883	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	RIVERSIDE STATION 138KV	88.00001	-0.00124	-0.39933	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	RIVERTON 161KV	38	0.00183	-0.4024	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	RIVERTON 69KV	44.59597	0.00178	-0.40235	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	EMDE	STATE LINE 161KV	356.7808	0.00183	-0.4024	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	WELSH 345KV	975.0001	-0.00197	-0.3986	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	WILKES 138KV	134.7028	-0.00181	-0.39876	40
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	WILKES 345KV	186.6942	-0.00178	-0.39879	40
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50835	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.11614	-0.39921	41
WERE	BPU - CITY OF MCPHERSON 115KV	259	-0.50835	WEPL	JUDSON LARGE 115KV	24.01537	-0.11611	-0.39824	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	COMANCHE 138KV	160	-0.00955	-0.39142	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	COMANCHE 69KV	63	-0.0094	-0.39157	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	FPLWIND2 34KV	61.9956	-0.00824	-0.39273	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	MCCLAIN 138KV	478	-0.0049	-0.39607	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	REDBUD 345KV	250	-0.00395	-0.39702	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	SEMINOLE 138KV	448.9081	-0.0046	-0.39637	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	SEMINOLE 345KV	590.52	-0.00449	-0.39648	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	SMITH COGEN 138KV	120	-0.00481	-0.39616	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	OKGE	SMITH COGEN 345KV	513	-0.00343	-0.39754	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00919	-0.39178	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WERE	WACO 138KV	17.414	-0.00411	-0.39686	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	COMANCHE 138KV	160	-0.00955	-0.39102	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	COMANCHE 69KV	63	-0.0094	-0.39117	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	FPLWIND2 34KV	61.9956	-0.00824	-0.39233	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	MCCLAIN 138KV	478	-0.0049	-0.39567	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	REDBUD 345KV	250	-0.00395	-0.39662	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SEMINOLE 138KV	448.9081	-0.0046	-0.39597	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SEMINOLE 345KV	590.52	-0.00449	-0.39608	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SMITH COGEN 138KV	120	-0.00481	-0.39576	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SMITH COGEN 345KV	513	-0.00343	-0.39745	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SOONER 138KV	505	-0.00312	-0.39745	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	OKGE	SOONER 345KV	513	-0.00343	-0.39714	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	AEPW	SOUTHWESTERN STATION 138KV	29	-0.00919	-0.39138	41
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WERE	WACO 138KV	17.414	-0.00411	-0.39646	41
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.09305	-0.30792	52
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	MIDW	GOODMAN ENERGY CENTER 115KV	75	-0.09305	-0.30752	52
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.11614	-0.28483	57
WERE	HUTCHINSON ENERGY CENTER 115KV	601	-0.40097	WEPL	JUDSON LARGE 115KV	24.01537	-0.11611	-0.28486	57
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WEPL	GRAY COUNTY WIND FARM 115KV	60	-0.11614	-0.28443	57
WERE	HUTCHINSON ENERGY CENTER 69KV	67	-0.40057	WEPL	JUDSON LARGE 115KV	24.01537	-0.11611	-0.28446	57
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.2064	78
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.20668	78
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.20507	79
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	WERE	LAWRENCE ENERGY CENTER 230KV	132.0757	0.0173	-0.19452	83
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	WERE	EMPORIA 345KV	380	0.01535	-0.19257	84
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACP	IATAN 345KV	396	0.0111	-0.18832	86
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACY	NEARMAN 20KV	220	0.0095	-0.18672	86
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACY	QUINDARO 161KV	116.942	0.00945	-0.18667	86
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACY	QUINDARO 69KV	72	0.00942	-0.18664	86
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	MIPU	SOUTH HARPUR 161KV	75.19196	0.00821	-0.18643	86
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACP	HAWTHORN 161KV	455	0.00835	-0.18557	87
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACP	LACYGNE UNIT 345KV	958	0.00777	-0.18499	87
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	KACP	MONTROSE 161KV	205.0299	0.00748	-0.1847	87
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	MIPU	SIBLEY 161KV	229.1608	0.00782	-0.18504	87
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	MIPU	SIBLEY 69KV	45.99999	0.00793	-0.18515	87
MIDW	rice 115kv	999	-0.15519	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.18437	87
MIDW	rice 115kv	999	-0.15519	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.18465	87
MIDW	rice 115kv	999	-0.15519	WERE	JEFFREY ENERGY CENTER 345KV	919.8562	0.02918	-0.18437	87
MIDW	rice 115kv	999	-0.15519	WERE	SMOKEY HILLS 34KV	152	0.02946	-0.18465	87
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	MIPU	LAKE ROAD 161KV	35	0.00658	-0.1838	88
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	MIPU	LAKE ROAD 34KV	92	0.00658	-0.1838	88
MIDW	rice 115kv	999	-0.15519	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.18304	88
MIDW	rice 115kv	999	-0.15519	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.18304	88
MIDW	rice 115kv	999	-0.15519	WERE	JEFFREY ENERGY CENTER 230KV	470	0.02785	-0.18304	88
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	EMDE	ASBURY 161KV	191	0.00243	-0.17965	90
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	EMDE	CHANUTE 69KV	34.903	0.00266	-0.17988	90
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	EMDE	ELK RIVER 345KV	150	0.00228	-0.1795	90
WEPL	A. M. MULLERGRGEN GENERATOR 115KV	63	-0.17722	EMDE	RIVERTON 161KV	38	0.00183	-0.17905	

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

WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'FLINT CREEK 161KV'	400	0.00203	-0.17745	91
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'NORTHEASTERN STATION 138KV'	240	-0.00038	-0.17684	91
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'NORTHEASTERN STATION 345KV'	600	-0.00008	-0.17714	91
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'OEC 345KV'	219	-0.00091	-0.17631	91
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'COGENTRIX 345KV'	200	-0.00126	-0.17596	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'EASTMAN 138KV'	355	-0.00175	-0.17547	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'FULTON 115KV'	32,999,000	-0.00164	-0.17558	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'KNOXLEE 138KV'	103	-0.00174	-0.17548	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'LEBROCK 345KV'	315	-0.00175	-0.17547	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'MUSKOGEE 345KV'	1516	-0.00134	-0.17588	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00174	-0.17548	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.17598	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'SOONER 138KV'	505	-0.00312	-0.1741	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'WELSH 345KV'	975.0001	-0.00197	-0.17525	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'WILKES 138KV'	134.7028	-0.00181	-0.17541	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'WILKES 345KV'	186.6942	-0.00178	-0.17544	92
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'MCCLAIN 138KV'	478	-0.0049	-0.17323	93
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'REDBUD 345KV'	250	-0.00395	-0.17327	93
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'SEMINOLE 138KV'	448.9081	-0.0046	-0.17262	93
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'SEMINOLE 345KV'	590.52	-0.00449	-0.17273	93
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'SMITH COGEN 138KV'	120	-0.00481	-0.17241	93
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'SOONER 345KV'	513	-0.00343	-0.17379	93
MIDW	'yons 115kv'	999	-0.15519	WERE	'LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.17249	93
MIDW	'pawnee 115kv'	999	-0.15519	WERE	'LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.17249	93
MIDW	'rice 115kv'	999	-0.15519	WERE	'LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.17249	93
MIDW	'yons 115kv'	999	-0.15519	WERE	'EMPORIA 345KV'	380	0.01535	-0.17054	94
MIDW	'pawnee 115kv'	999	-0.15519	WERE	'EMPORIA 345KV'	380	0.01535	-0.17054	94
MIDW	'rice 115kv'	999	-0.15519	WERE	'EMPORIA 345KV'	380	0.01535	-0.17054	94
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	OKGE	'FPLWND2 34KV'	61,9956	-0.00824	-0.16898	95
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'COMANCHE 138KV'	160	-0.00955	-0.16767	96
WEPL	'A. M. MULLERGRN GENERATOR 115KV'	63	-0.17722	AEPW	'COMANCHE 69KV'	63	-0.0094	-0.16782	96
MIDW	'yons 115kv'	999	-0.15519	KACP	'IATAN 345KV'	396	0.0111	-0.16629	97
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'IATAN 345KV'	396	0.0111	-0.16629	97
MIDW	'rice 115kv'	999	-0.15519	KACP	'IATAN 345KV'	396	0.0111	-0.16629	97
MIDW	'yons 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'rice 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'yons 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'rice 115kv'	999	-0.15519	KACP	'HAWTHORN 161KV'	455	0.00353	-0.16354	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'NEARMAN 20KV'	220	0.0095	-0.16469	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'QUINDARO 161KV'	116.942	0.00945	-0.16464	98
MIDW	'yons 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'pawnee 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'rice 115kv'	999	-0.15519	KACY	'QUINDARO 69KV'	72	0.00942	-0.16461	98
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SOUTH HARPER 161KV'	75.19196	0.00921	-0.1644	98
MIDW	'yons 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'rice 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'yons 115kv'	999	-0.15519	KACP	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'rice 115kv'	999	-0.15519	KACP	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'yons 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'pawnee 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'rice 115kv'	999	-0.15519	KACP	'LACYGNE UNIT 345KV'	958	0.00777	-0.16296	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'rice 115kv'	999	-0.15519	MIPU	'MONTROSE 161KV'	205.0929	0.00748	-0.16267	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.16301	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'rice 115kv'	999	-0.15519	MIPU	'SIBLEY 69KV'	45.99999	0.00793	-0.16312	99
MIDW	'yons 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'rice 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'yons 115kv'	999	-0.15519	MIPU	'LAKE ROAD 34KV'	92	0.00658	-0.16177	100
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'LAKE ROAD 34KV'	92	0.00658	-0.16177	100
MIDW	'rice 115kv'	999	-0.15519	MIPU	'LAKE ROAD 34KV'	92	0.00658	-0.16177	100
MIDW	'yons 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'pawnee 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'rice 115kv'	999	-0.15519	MIPU	'LAKE ROAD 161KV'	35	0.00658	-0.16177	100
MIDW	'yons 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'pawnee 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'rice 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'yons 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'pawnee 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'rice 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'yons 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'pawnee 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'rice 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'yons 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'pawnee 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'rice 115kv'	999	-0.15519	EMDE	'ASBURY 161KV'	191	0.00243	-0.15762	102
MIDW	'yons 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'pawnee 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'rice 115kv'	999	-0.15519	WERE	'CHANUTE 69KV'	34.903	0.00266	-0.15785	102
MIDW	'yons 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'pawnee 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'rice 115kv'	999	-0.15519	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.15747	102
MIDW	'yons 115kv'	999	-0.15519	EMDE	'RIVERTON				

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

MIDW	pawnee 115kv'	999	-0.15519	AEPW	RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.15395	105
MIDW	pawnee 115kv'	999	-0.15519	AEPW	WELSH 345KV'	975.0001	-0.00197	-0.15322	105
MIDW	pawnee 115kv'	999	-0.15519	AEPW	WILKES 138KV'	134.7028	-0.00181	-0.15338	105
MIDW	pawnee 115kv'	999	-0.15519	AEPW	WILKES 345KV'	186.6942	-0.00178	-0.15341	105
MIDW	rice 115kv'	999	-0.15519	AEPW	COGENTRIX 345KV'	200	-0.00126	-0.15393	105
MIDW	rice 115kv'	999	-0.15519	AEPW	EASTMAN 138KV'	355	-0.00175	-0.15344	105
MIDW	rice 115kv'	999	-0.15519	AEPW	KNOXLEE 138KV'	103	-0.00174	-0.15345	105
MIDW	rice 115kv'	999	-0.15519	AEPW	LEBROCK 345KV'	315	-0.00175	-0.15344	105
MIDW	rice 115kv'	999	-0.15519	OKGE	MUSKOGEE 345KV'	1516	-0.00134	-0.15385	105
MIDW	rice 115kv'	999	-0.15519	AEPW	PIRKEY GENERATION 138KV'	450	-0.00174	-0.15345	105
MIDW	rice 115kv'	999	-0.15519	AEPW	RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.15395	105
MIDW	rice 115kv'	999	-0.15519	AEPW	WELSH 345KV'	975.0001	-0.00197	-0.15322	105
MIDW	rice 115kv'	999	-0.15519	AEPW	WILKES 138KV'	134.7028	-0.00181	-0.15338	105
MIDW	rice 115kv'	999	-0.15519	AEPW	WILKES 345KV'	186.6942	-0.00178	-0.15341	105
MIDW	lyons 115kv'	999	-0.15519	OKGE	REDBUD 345KV'	250	-0.00395	-0.15124	106
MIDW	lyons 115kv'	999	-0.15519	OKGE	SOONER 138KV'	505	-0.00312	-0.15207	106
MIDW	lyons 115kv'	999	-0.15519	OKGE	SOONER 345KV'	513	-0.00343	-0.15176	106
MIDW	pawnee 115kv'	999	-0.15519	OKGE	REDBUD 345KV'	250	-0.00395	-0.15124	106
MIDW	pawnee 115kv'	999	-0.15519	OKGE	SOONER 138KV'	505	-0.00312	-0.15207	106
MIDW	pawnee 115kv'	999	-0.15519	OKGE	SOONER 345KV'	513	-0.00343	-0.15176	106
MIDW	rice 115kv'	999	-0.15519	OKGE	REDBUD 345KV'	250	-0.00395	-0.15124	106
MIDW	rice 115kv'	999	-0.15519	OKGE	SOONER 138KV'	505	-0.00312	-0.15207	106
MIDW	rice 115kv'	999	-0.15519	OKGE	SOONER 345KV'	513	-0.00343	-0.15176	106
MIDW	lyons 115kv'	999	-0.15519	OKGE	MCCLAIN 138KV'	478	-0.0049	-0.15029	107
MIDW	lyons 115kv'	999	-0.15519	OKGE	SEMINOLE 138KV'	448.9081	-0.0046	-0.15059	107
MIDW	lyons 115kv'	999	-0.15519	OKGE	SEMINOLE 345KV'	590.52	-0.00449	-0.1507	107
MIDW	lyons 115kv'	999	-0.15519	OKGE	SMITH COGEN 138KV'	120	-0.00481	-0.15038	107
MIDW	pawnee 115kv'	999	-0.15519	OKGE	MCCLAIN 138KV'	478	-0.0049	-0.15029	107
MIDW	pawnee 115kv'	999	-0.15519	OKGE	SEMINOLE 138KV'	448.9081	-0.0046	-0.15059	107
MIDW	pawnee 115kv'	999	-0.15519	OKGE	SEMINOLE 345KV'	590.52	-0.00449	-0.1507	107
MIDW	pawnee 115kv'	999	-0.15519	OKGE	SMITH COGEN 138KV'	120	-0.00481	-0.15038	107
MIDW	rice 115kv'	999	-0.15519	OKGE	MCCLAIN 138KV'	478	-0.0049	-0.15029	107
MIDW	rice 115kv'	999	-0.15519	OKGE	SEMINOLE 138KV'	448.9081	-0.0046	-0.15059	107
MIDW	rice 115kv'	999	-0.15519	OKGE	SEMINOLE 345KV'	590.52	-0.00449	-0.1507	107
MIDW	rice 115kv'	999	-0.15519	OKGE	SMITH COGEN 138KV'	120	-0.00481	-0.15038	107
MIDW	lyons 115kv'	999	-0.15519	AEPW	COMANCHE 69KV'	63	-0.0094	-0.14579	110
MIDW	lyons 115kv'	999	-0.15519	OKGE	FPLWIND2 34KV'	61.9956	-0.00824	-0.14695	110
MIDW	pawnee 115kv'	999	-0.15519	AEPW	COMANCHE 69KV'	63	-0.0094	-0.14579	110
MIDW	pawnee 115kv'	999	-0.15519	OKGE	FPLWIND2 34KV'	61.9956	-0.00824	-0.14695	110
MIDW	rice 115kv'	999	-0.15519	AEPW	COMANCHE 69KV'	63	-0.0094	-0.14579	110
MIDW	rice 115kv'	999	-0.15519	OKGE	FPLWIND2 34KV'	61.9956	-0.00824	-0.14695	110
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.14529	111
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	WERE	SMOKEY HILLS 34KV'	152	0.02946	-0.14557	111
MIDW	lyons 115kv'	999	-0.15519	AEPW	COMANCHE 138KV'	160	-0.00955	-0.14564	111
MIDW	pawnee 115kv'	999	-0.15519	AEPW	COMANCHE 138KV'	160	-0.00955	-0.14564	111
MIDW	rice 115kv'	999	-0.15519	AEPW	COMANCHE 138KV'	160	-0.00955	-0.14564	111
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.14396	112
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	WERE	LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.13341	121
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	WERE	EMPORIA 345KV'	380	0.01535	-0.13146	122
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	WERE	JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.12844	125
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	WERE	SMOKEY HILLS 34KV'	152	0.02946	-0.12872	125
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	WERE	JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.12711	127
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACP	IATAN 345KV'	396	0.0111	-0.12721	127
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACY	NEARMAN 20KV'	220	0.0095	-0.12561	128
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACY	QUINDARO 161KV'	116.942	0.00945	-0.12555	128
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACY	QUINDARO 69KV'	72	0.00942	-0.12553	128
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	MIPU	SOUTH HARPER 161KV'	75.19196	0.00921	-0.12532	128
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACP	HAWTHORN 161KV'	455	0.00835	-0.12446	129
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACP	LACYGNE UNIT 345KV'	958	0.00777	-0.12388	130
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	KACP	MONTROSE 161KV'	205.0929	0.00748	-0.12359	130
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	MIPU	SIBLEY 161KV'	229.1608	0.00782	-0.12393	130
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	MIPU	SIBLEY 69KV'	45.99999	0.00793	-0.12404	130
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	WERE	'SMOKEY HILLS 34KV'	152	0.02946	-0.12251	131
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	MIPU	LAKE ROAD 34KV'	92	0.00658	-0.12269	131
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.12233	132
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.1209	133
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	EMDE	ASBURY 161KV'	191	0.00243	-0.11854	136
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	EMDE	ELK RIVER 345KV'	150	0.00228	-0.11839	136
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	EMDE	STATE LINE 161KV'	356.7808	0.00183	-0.11794	137
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	WERE	LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.11656	138
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	FLINT CREEK 161KV'	400	0.00023	-0.11634	138
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	FITZHUGH 161KV'	126	-0.00066	-0.11545	139
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	NORTHEASTERN STATION 138KV'	240	-0.00038	-0.11573	139
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	NORTHEASTERN STATION 345KV'	600	-0.00008	-0.11603	139
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	WERE	NEARMAN 20KV'	220	0.0095	-0.11461	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	AES 161KV'	320	-0.00087	-0.11524	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	COGENTRIX 345KV'	200	-0.00126	-0.11485	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	MUSKOGEE 345KV'	1516	-0.00134	-0.11477	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	OEC 345KV'	219	-0.00091	-0.1152	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.11487	140
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	EASTMAN 138KV'	355	-0.00175	-0.11436	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	KNOXLEE 138KV'	103	-0.00174	-0.11437	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	LEBROCK 345KV'	315	-0.00175	-0.11436	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	PIRKEY GENERATION 138KV'	450	-0.00174	-0.11437	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	WELSH 345KV'	975.0001	-0.00197	-0.11414	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	WILKES 138KV'	134.7028	-0.00181	-0.1143	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	WILKES 345KV'	186.6942	-0.00178	-0.11433	141
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	SOONER 138KV'	505	-0.00312	-0.11299	143
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	SOONER 345KV'	513	-0.00343	-0.11268	143
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	REDBUD 345KV'	250	-0.00395	-0.11216	144
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	SEMINOLE 138KV'	448.9081	-0.0046	-0.11151	144
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	SEMINOLE 345KV'	590.52	-0.00449	-0.11162	144
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	MCCLAIN 138KV'	478	-0.0049	-0.11121	145
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	SMITH COGEN 138KV'	120	-0.00481	-0.11113	145
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACP	IATAN 345KV'	396	0.0111	-0.11036	146
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	WERE	LAWRENCE ENERGY CENTER 230KV'	132.0757	0.0173	-0.11035	146
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACY	NEARMAN 20KV'	220	0.0095	-0.10876	148
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACY	QUINDARO 161KV'	116.942	0.00945	-0.10871	148
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACY	QUINDARO 69KV'	72	0.00942	-0.10868	148
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	MIPU	SOUTH HARPER 161KV'	75.19196	0.00921	-0.10847	148
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	WERE	EMPORIA 345KV'	380	0.01535	-0.1084	149
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	OKGE	FPLWIND2 34KV'	61.9956	-0.00824	-0.10787	149
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACP	HAWTHORN 161KV'	455	0.00835	-0.10761	150
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACP	LACYGNE UNIT 345KV'	958	0.00777	-0.10703	150
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	MIPU	SIBLEY 161KV'	229.1608	0.00782	-0.10708	150
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	KACP	MONTROSE 161KV'	205.0929	0.00748	-0.10674	151
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	COMANCHE 138KV'	160	-0.00955	-0.10656	151
WEPL	JUDSON LARGE 115KV'	88.98463	-0.11611	AEPW	COMANCHE 69KV'	63	-0.0094	-0.10671	151
WEPL	CIMARRON RIVER 115KV'	72	-0.09926	MIPU	LAKE ROAD 34KV'	92	0.00658	-0.10584	152
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	KACP	IATAN 345KV'	396	0.0111	-0.10415	155
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	KACY	NEARMAN 20KV'	220	0.0095	-0.10255	157
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	KACY	QUINDARO 161KV'	116.942	0.00945	-0.1025	157
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	KACY	QUINDARO 69KV'	72	0.00942	-0.10247	157
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	MIPU	S				

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

MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	KACP	'MONTROSE 161KV'	205.0929	0.00748	-0.10053	160
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	MIPU	'SIBLEY 161KV'	229.1608	0.00782	-0.10087	160
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'FLINT CREEK 161KV'	400	0.00223	-0.09949	162
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'NORTHEASTERN STATION 345KV'	600	-0.00008	-0.09918	162
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	MIPU	'LAKE ROAD 34KV'	92	0.00658	-0.09963	162
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'FITZHUGH 161KV'	126	-0.00066	-0.09886	163
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'NORTHEASTERN STATION 138KV'	240	-0.00038	-0.09888	163
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'AES 161KV'	320	-0.00087	-0.09839	164
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'COGENTRIX 345KV'	200	-0.00126	-0.098	164
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'MUSKOGEE 345KV'	1516	-0.00134	-0.09792	164
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'OEC 345KV'	219	-0.00091	-0.09835	164
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.09802	164
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'EASTMAN 138KV'	355	-0.00175	-0.09751	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'KNOXLEE 138KV'	103	-0.00174	-0.09752	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'LEBROCK 345KV'	315	-0.00175	-0.09751	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00174	-0.09752	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'WILKES 138KV'	134.7028	-0.00181	-0.09745	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'WILKES 345KV'	186.6942	-0.00178	-0.09748	165
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'WELSH 345KV'	975.0001	-0.00197	-0.09729	166
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'SOONER 138KV'	505	-0.00312	-0.09614	167
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'SOONER 345KV'	513	-0.00343	-0.09583	168
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'REDBUD 345KV'	250	-0.00395	-0.09531	169
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	EMDE	'ASBURY 161KV'	191	0.00243	-0.09548	169
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	EMDE	'ELK RIVER 345KV'	150	0.00228	-0.09533	169
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'SEMINOLE 138KV'	448.9081	-0.00448	-0.09468	170
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'SEMINOLE 345KV'	590.52	-0.00449	-0.09477	170
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'SMITH COGEN 138KV'	120	-0.00481	-0.09445	170
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	EMDE	'STATE LINE 161KV'	356.7808	0.00183	-0.09488	170
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'MCCLAIN 138KV'	478	-0.0049	-0.09436	171
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'FLINT CREEK 161KV'	400	0.00223	-0.09328	173
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'NORTHEASTERN STATION 345KV'	600	-0.00008	-0.09297	173
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'FITZHUGH 161KV'	126	-0.00066	-0.09239	174
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'NORTHEASTERN STATION 138KV'	240	-0.00038	-0.09267	174
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'AES 161KV'	320	-0.00087	-0.09218	175
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'COGENTRIX 345KV'	200	-0.00126	-0.09179	175
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'OEC 345KV'	219	-0.00091	-0.09214	175
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'RIVERSIDE STATION 138KV'	88.00001	-0.00124	-0.09181	175
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'EASTMAN 138KV'	355	-0.00175	-0.0913	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'KNOXLEE 138KV'	103	-0.00174	-0.09131	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'LEBROCK 345KV'	315	-0.00175	-0.0913	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'MUSKOGEE 345KV'	1516	-0.00134	-0.09171	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'PIRKEY GENERATION 138KV'	450	-0.00174	-0.09131	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'WILKES 138KV'	134.7028	-0.00181	-0.09124	176
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'WILKES 345KV'	186.6942	-0.00178	-0.09127	176
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	OKGE	'FITZ WIND 34KV'	81.9956	-0.00324	-0.09102	177
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'WELSH 345KV'	975.0001	-0.00197	-0.09106	177
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'COMANCHE 138KV'	160	-0.00955	-0.08971	179
WEPL	'CIMARRON RIVER 115KV'	72	-0.09926	AEPW	'COMANCHE 69KV'	63	-0.0094	-0.08986	179
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'SOONER 138KV'	505	-0.00312	-0.08993	179
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'SOONER 345KV'	513	-0.00343	-0.08962	180
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'REDBUD 345KV'	250	-0.00395	-0.0891	181
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'SEMINOLE 138KV'	448.9081	-0.00448	-0.08845	182
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'SEMINOLE 345KV'	590.52	-0.00449	-0.08856	182
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'SMITH COGEN 138KV'	120	-0.00481	-0.08824	182
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	OKGE	'MCCLAIN 138KV'	478	-0.0049	-0.08815	183
MIDW	'GOODMAN ENERGY CENTER 115KV'	159.36	-0.09305	AEPW	'COMANCHE 138KV'	160	-0.00955	-0.08825	193
AEPW	'SOUTHWESTERN STATION 138KV'	730	-0.00919	WERE	'SMOKEY HILLS 34KV'	152	0.02946	-0.03865	417
AEPW	'SOUTHWESTERN STATION 138KV'	730	-0.00919	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03837	420
AEPW	'SOUTHWESTERN STATION 138KV'	730	-0.00919	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03704	435
OKGE	'MUSTANG 138KV'	365.5	-0.00482	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.034	474
WERE	'GILL ENERGY CENTER 138KV'	285	-0.00464	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03382	476
OKGE	'SEMINOLE 345KV'	406.08	-0.00449	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03367	478
OKGE	'HORSESHOE LAKE 138KV'	851.5	-0.00441	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03359	479
OKGE	'ONE OAK 345KV'	336	-0.00435	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03353	480
AEPW	'KIOWA 345KV'	1348	-0.00405	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03323	485
OKGE	'REDBUD 345KV'	950	-0.00395	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03313	486
OKGE	'MUSTANG 138KV'	365.5	-0.00482	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03267	493
OKGE	'RED ROCK 345KV'	1050	-0.00343	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03261	494
WERE	'GILL ENERGY CENTER 138KV'	285	-0.00464	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03249	496
OKGE	'SEMINOLE 345KV'	406.08	-0.00449	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03234	498
OKGE	'HORSESHOE LAKE 138KV'	851.5	-0.00441	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03226	499
OKGE	'ONE OAK 345KV'	336	-0.00435	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.0322	500
AEPW	'KIOWA 345KV'	1348	-0.00405	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.0319	505
OKGE	'REDBUD 345KV'	950	-0.00395	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.0318	506
OKGE	'RED ROCK 345KV'	1050	-0.00343	WERE	'JEFFREY ENERGY CENTER 230KV'	470	0.02785	-0.03128	515
AEPW	'TURK 138KV'	608	-0.00196	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03114	517
AEPW	'WILKES 138KV'	328.2972	-0.00181	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03099	520
AEPW	'KNOXLEE 138KV'	320	-0.00174	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03092	521
AEPW	'LEBROCK 345KV'	382	-0.00175	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03093	521
AEPW	'LIEBERMAN 138KV'	224	-0.00161	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03079	523
AEPW	'COGENTRIX 345KV'	694	-0.00126	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03044	529
AEPW	'RIVERSIDE STATION 138KV'	634	-0.00124	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03042	529
AEPW	'TULSA POWER STATION 138KV'	294	-0.00115	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03033	531
OKGE	'MUSKOGEE 161KV'	197	-0.00107	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03025	532
AEPW	'OEC 345KV'	1928.03	-0.00091	WERE	'JEFFREY ENERGY CENTER 345KV'	919.8562	0.02918	-0.03009	535

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