



*Aggregate Facility Study
SPP-2006-AG1-AFS-4
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 875 MW of long-term transmission service requests have been restudied in this final Aggregate Facility Study (AFS). This phase of the AFS consists of revisions to reflect the withdrawal of requests after the initial AFS was posted on June 2nd, 2006. The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. Further, Attachment Z provides for facility upgrade cost recovery by stating that “[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated.”

The total assigned facility upgrade Engineering and Construction (E &C) cost determined by this AFS restudy is \$20,038,000. Additionally \$ 0 of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is \$54,040,076. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding . The AFS data tables reflect the full allocation of upgrade costs to customers based on either the requested reservation period, the deferred reservation period without interim redispatch, or the reservation period with interim

redispatch if applicable based on customer intention to pursue redispatch agreements. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$21,981,850. For those customers who have chosen to pursue redispatch in lieu of deferral of start of service, levelized revenue requirements will be based upon the deferred start date with redispatch. Redispatch was evaluated to provide only interim service during the time frame prior to completion of any assigned network upgrades.

Third-party facilities must be upgraded when it is determined they are constrained in order to accommodate the requested Transmission Service. These include both first-tier neighboring facilities outside SPP and Transmission Owner facilities within SPP that are not under the SPP OATT. In this AFS, 0 third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are \$0.

The posting of this study will open a 15-day window for Customer response. To remain in this Aggregate Transmission Service Study (ATSS), the Customer should select Option #1 on the Letter of Intent sent concurrently with the posting of this Facility Study. Otherwise, if the customer chooses to withdraw from this ATSS, Customer should select Option #2 on the Letter of Intent. This will result in SPP ANNULING the OASIS request and no further study of this request will occur.

The Customer's course of action as indicated by the Letter of Intent must be received by the Transmission Provider by September 8, 2006, otherwise the request will be determined as withdrawn and no further study of the request will occur.

At the conclusion of this ATSS, Service Agreements for each request for service will be tendered to the Customer. For requests requiring Network Upgrades, the full allocation of revenue requirements for facility upgrades will be assigned to the Customer contingent

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

After receipt of a Service Agreement from the Transmission Provider, the Customer shall have 15 days to execute a Service Agreement or request the filing of an unexecuted Service Agreement or the request will be deemed terminated and withdrawn. Agreements for generation redispatch in lieu of deferral of start of service must be negotiated by the Transmission Customer and generation owner with a copy of the agreement provided to SPP prior to execution of the Service Agreement.

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 verification of designated resources meeting Attachment J, Section III B criteria.

2. Introduction

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

(http://www.spp.org/Objects/FERC_filings.cfm). The hyperlinks under the heading ER05-109 (Attach Z Filing) open Southwest Power Pool's October 29, 2004 filing

containing Attachment Z to the SPP OATT and the Commission's January 21, 2005 Order. In compliance with this Order, the third open season commenced on October 1, 2005. All requests for long-term transmission service received prior to February 1, 2006 with a signed study agreement were then included in the third Aggregate Transmission Service Study (ATSS).

Approximately 875MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$20 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 6. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by study as well as potential base plan allowances as determined by Attachments J and Z. The following link can be used to access the SPP OATT: (http://www.spp.org/Publications/SPP_Tariff.pdf). In order to understand the extent to which base plan upgrades may be applied to both point-to-point and network transmission services, it is necessary to highlight the definition of Designated Resource. Per Section 1.9a of the SPP OATT, a Designated Resource is “[a]ny designated generation resource owned, purchased or leased by a Transmission Customer to serve load in the SPP Region. Designated Resources do not include any resource, or any portion thereof, that is committed for sale to third parties or otherwise cannot be called upon to meet the Transmission Customer's load on a non-interruptible basis.” Therefore, not only network service, but also point-to-point service has potential for base plan funding if the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J are met.

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

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

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

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

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

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

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

Some constraints identified in the AFS were not assigned to the Customer as the Transmission Provider determined that upgrades are not required due to various reasons or the Transmission Owner has construction plans pending for these upgrades. These facilities are listed by reservation in Table 3. This table also includes constrained facilities in the current planning horizon that limit the rollover rights of the Transmission Customer. Table 6 lists possible redispatch pairs to allow start of service prior to completion of assigned network upgrades.

A. Financial Analysis

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

Each request for Transmission Service is evaluated independently as the cost associated with each Network Upgrade is assigned to a request. When facilities are upgraded

throughout the reservation period, the Transmission Customer shall 1) pay the total E & C costs and other annual operating costs associated with the new facilities, and 2) receive credits associated with the depreciated book value of removed usable facilities, salvage value of removed non-usable facilities, and the carrying charges, excluding depreciation, associated with all removed usable facilities based on their respective book values.

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

B. Third-Party Facilities

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, 0 third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are \$0. The Transmission Provider will undertake reasonable efforts to assist the

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

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

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 fifteen seasonal models to study the aggregate transfers of 875 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 1 2006 Summer Peak (06SP), 2006 Summer Shoulder (06SH), 2006 Fall Peak (06FA), 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 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. Four groups of requests were developed from the aggregate of 875 MW in order to minimize counterflows among requested service. Each request was included in two to four groups depending on the requested path. From the thirteen seasonal models, three system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT exporting and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing in an East to West direction with ERCOT net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT net importing and SPS importing from an outside zone and importing from the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a North to South direction with ERCOT importing and SPS importing from outside zones and importing from the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transfer Analysis

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

D. Curtailment and Redispatch Evaluation

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

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

for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs with a greater than 3% TDF were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. The potential relief pairs **were** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the ASIS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (Based on customer selection to pursue redispatch from letter agreement option), 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, deferred start and stop dates without redispatch, allocated revenue requirements for upgrades, upgrades not assigned to customer but required for service to be confirmed, facilities limiting rollover rights, credits to be paid for previously assigned AFS facility upgrades, and any third party upgrades required. This includes the season in the planning horizon where rollover rights

are limited. Table 4 lists all upgrade requirements with associated solutions needed to provide transmission service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service.

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

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

Transmission Owner for upgrades and no base plan funding is applicable as the access charge must be paid as it is the higher of “OR” pricing.

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

Example A:

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

Example B:

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

Example C:

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

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

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

B. Study Definitions

The Commercial Operation Date (COD) is the earliest date the upgrade is required to alleviate a constraint considering all requests. End of Construction (EOC) is the estimated date the upgrade will be completed and in service. The Total Engineering and Construction Cost (E & C) is the upgrade solution cost as determined by the transmission owner. The Transmission Customer Allocation Cost is the estimated engineering and construction cost based upon the allocation of costs to all Transmission Customers in the AFS who positively impact facilities by at least 3% subsequently overloaded by the AFS. Minimum ATC is the portion of the requested capacity that can be accommodated 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 posting of this study will open a 15-day window for Customer response. To remain in this Aggregate Transmission Service Study (ATSS), the Customer should select Option #1 on the Letter of Intent sent concurrently with the posting of this Facility Study. Otherwise, if the customer chooses to withdraw from this ATSS, Customer should select Option #2 on the Letter of Intent. This will result in SPP ANNULING the OASIS request and no further study of this request will occur.

The Customer's course of action as indicated by the Letter of Intent must be received by the Transmission Provider by September 8th, 2006, otherwise the request will be determined as withdrawn and no further study of the request will occur.

At the conclusion of this ATSS, Service Agreements for each request for service will be tendered to the Customer. For requests requiring Network Upgrades, the full allocation of revenue requirements for facility upgrades will be assigned to the Customer contingent upon verification of designated resources meeting Attachment J, Section III B criteria for base plan funding.

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 concurrent with the execution of the Service Agreement. This letter of credit is required regardless of base plan funding consideration. This amount is for all

assignable Network Upgrades less any assigned facilities owned by the Network Customer's Transmission Operating Company. 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	Deferred Stop Date	Mimumum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG1-2006-006D	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013			0	07FA
AEPM	AG1-2006-007D	1023236	¹ WFEC	CSWS	80	1/1/2007	1/1/2027			0	07SP
EDE	AG1-2006-027	1032183	EES	EDE	50	6/1/2010	6/1/2040			0	11SP
INDP	AG1-2006-051	1033791	KCPL	INDN	50	6/1/2010	6/1/2040			0	11SP
KCPS	AG1-2006-009	979750	KCPL	KCPL	168	6/1/2009	6/1/2029			0	11SP
KCPS	AG1-2006-070	1034307	¹ KCPL	EES	103	6/1/2006	6/1/2007			0	06SP
KMEA	AG1-2006-068	1034247	GRDA	WR	1	5/1/2010	5/1/2026			0	06SP
KPP	AG1-2006-042	1032991	WPEK	WPEK	80	6/1/2006	6/1/2016			0	07FA
OGE	AG1-2006-040	1032973	¹ OKGE	OKGE	120	9/1/2006	9/1/2031			0	07SP
OMPA	AG1-2006-010	977481	¹ GRDA	OKGE	25	5/1/2007	5/1/2040			0	07SP
WRGS	AG1-2006-029D	1031553	¹ KCPL	AECI	15	6/1/2006	6/1/2007			0	06SH
WRGS	AG1-2006-037D	1032955	¹ AECI	KCPL	15	6/1/2006	6/1/2007			0	06SP

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

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

Customer	Study Number	Reservation	Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	⁴ Letter of Credit Amount Required	³ Potential Base Plan Engineering and Construction Funding Allowable	⁵ Total Revenue Requirements for Assigned Upgrades over term of reservation WITHOUT potential base plan funding allocation in consideration of redispatch if applicable	Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation in consideration of redispatch if applicable	Point-to-Point Base Rate over reservation period	⁶ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AEPM	AG1-2006-006D	1019914	\$ 2,685,128	\$ 2,000,000	\$ 2,685,128	\$ 3,726,550	\$ -	-	Schedule 9 charges
AEPM	AG1-2006-007D	1023236	\$ 4,192,590	\$ 3,877,718	\$ 1,440,000	\$ 10,987,300	\$ 7,213,568	\$ -	\$ 7,213,568
EDE	AG1-2006-027	1032183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Schedule 9 charges
INDP	AG1-2006-051	1033791	\$ 1,477,174	\$ 1,477,174	\$ -	\$ 5,988,578	\$ 5,988,578	\$ 15,840,000	\$ 15,840,000
KCPS	AG1-2006-009	979750	\$ 6,022,826	\$ 5,322,826	\$ 6,022,826	\$ 17,130,388	\$ -	\$ -	Schedule 9 charges
KCPS	AG1-2006-070	1034307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,050,600	\$ 1,050,600
KMEA	AG1-2006-068	1034247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 249,600	\$ 249,600
KPP	AG1-2006-042	1032891	\$ 1,518,000	\$ 1,518,000	\$ 1,518,000	\$ 2,749,002	\$ -	\$ -	Schedule 9 charges
OGE	AG1-2006-040	1032973	\$ 4,142,282	\$ 2,871,270	\$ 1,440,000	\$ 13,458,257	\$ 8,779,703	\$ -	\$ 8,779,703
OMPA	AG1-2006-010	977481	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	Schedule 9 charges
WRGS	AG1-2006-029D	1031553	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,000	\$ 153,000
WRGS	AG1-2006-037D	1032955	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 158,400	\$ 158,400
			\$ 20,038,000	\$ -	\$ 13,105,954	\$ 54,040,076	\$ 21,981,850		

Note 1: 92MW potential base plan funding for year 2008 for KPP WPEK requests.

Note 2: For PTP requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria.

Note 3: If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if PTP base rate exceeds revenue requirements.

Note 4: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner plus network upgrades for assigned upgrades less that \$100,000 which are base plan funded but still require a letter of credit.

Note 5: Revenue Requirements are based upon customer's prior selection of intention to pursue redispatch if applicable.

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

Customer Study Number
 AEPM AG1-2006-006D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date 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	1019914	CSWS	CSWS	168	7/1/2008	7/1/2013	7/1/2008	7/1/2013	\$ 2,685,128	\$ -	\$ 2,695,388	\$ -
									\$ 2,685,128	\$ -	\$ 2,695,388	\$ 3,726,550

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1019914	ALUMAX TAP - BANN 138KV CKT 1	6/1/2008	6/1/2008			\$ 685,128	\$ 1,000,000	\$ 1,350,112
	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 2,000,000	\$ 2,000,000	\$ 2,376,438
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012			\$ 10,260	\$ 15,000	\$ -
Total						\$ 2,695,388	\$ 3,015,000	\$ 3,726,550

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1019914	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	No

Customer Study Number
 AEPM AG1-2006-007D

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	1023236	WFEC	CSWS	80	1/1/2007	1/1/2027	6/1/2008	6/1/2028	\$ 1,440,000	\$ -	\$ 4,212,330	\$ -
									\$ 1,440,000	\$ -	\$ 4,212,330	\$ 10,987,300

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1023236	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	6/1/2016	6/1/2016			\$ 15,000	\$ 15,000	\$ -
	ALUMAX TAP - BANN 138KV CKT 1	6/1/2008	6/1/2008			\$ 314,872	\$ 1,000,000	\$ 917,374
	BANN - NW TEXARKANA-BANN T 138KV CKT 1	6/1/2012	6/1/2012			\$ 4,740	\$ 15,000	\$ -
	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		Yes	\$ 2,000,000	\$ 2,000,000	\$ 4,495,992
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes	\$ 1,278,730	\$ 3,400,000	\$ 3,038,093
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		Yes	\$ 598,988	\$ 1,750,000	\$ 2,535,841
Total						\$ 4,212,330	\$ 8,180,000	\$ 10,987,300

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
1023236	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	Yes
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	4/1/2008	10/1/2007	Yes

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

Customer Study Number
EDE AG1-2006-027

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
EDE	1032183	EES	EDE	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032183	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1032183	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2010	6/1/2010		
	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	6/1/2013	6/1/2013		
	JONES - JONESBORO 161KV CKT 1	6/1/2009	6/1/2009		
	SUB 110 - ORONOGO JCT. (ORONOGO) 161/69/12.5KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	6/1/2011	6/1/2011		
	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	6/1/2014	6/1/2014		

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

Customer Study Number
INDP AG1-2006-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
INDP	1033791	KCPL	INDN	50	6/1/2010	6/1/2040	6/1/2010	6/1/2040	\$ -	\$ 15,840,000	\$ 1,477,174	\$ -
									\$ -	\$ 15,840,000	\$ 1,477,174	\$ 5,988,578

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1033791	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009			\$ 213,226	\$ 1,000,000	\$ 1,105,109
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009			\$ 405,130	\$ 1,900,000	\$ 577,384
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009			\$ 319,839	\$ 1,500,000	\$ 1,657,663
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010			\$ 538,979	\$ 2,400,000	\$ 2,648,423
Total						\$ 1,477,174	\$ 6,800,000	\$ 5,988,578

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
1033791	IATAN - ST JOE 345KV CKT 1	12/1/2011	12/1/2011		
	IATAN5 161 - PLATTE CITY 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
 KCPS AG1-2006-009

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	979750	KCPL	KCPL	168	6/1/2009	6/1/2029	6/1/2009	6/1/2029	\$ 6,022,826	\$ -	\$ 6,022,826	\$ -
									\$ 6,022,826	\$ -	\$ 6,022,826	\$ 17,130,388

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
979750	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2009	6/1/2009			\$ 786,774	\$ 1,000,000	\$ 2,927,001
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,494,870	\$ 1,900,000	\$ 1,529,261
	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016			\$ 700,000	\$ 700,000	\$ 1,719,531
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,180,161	\$ 1,500,000	\$ 4,390,502
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2010	6/1/2010			\$ 1,861,021	\$ 2,400,000	\$ 6,564,093
Total						\$ 6,022,826	\$ 7,500,000	\$ 17,130,388

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
979750	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2014	6/1/2014		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
979750	IATAN - ST JOE 345KV CKT 1	12/1/2011	12/1/2011		
979750	IATAN5 161 - PLATTE CITY 161KV CKT 1	6/1/2011	6/1/2011		

Customer Study Number
 KCPS AG1-2006-070

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	1034307	KCPL	EES	103	6/1/2006	6/1/2007	4/1/2008	4/1/2009	\$ -	\$ 1,050,600	\$ -	\$ -
									\$ -	\$ 1,050,600	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034307	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
1034307	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	4/1/2008	10/1/2007	Yes

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

Customer Study Number
KMEA AG1-2006-068

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KMEA	1034247	GRDA	WR	1	5/1/2010	5/1/2026	5/1/2010	5/1/2026	\$ -	\$ 249,600	\$ -	\$ -
									\$ -	\$ 249,600	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1034247	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
1034247	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	10/1/2006	6/1/2009		No
	CIRCLEVILLE - KING HILL N.M. COOP 115KV CKT 1	10/1/2006	4/1/2009		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2016	6/1/2016		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2016	6/1/2016		
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008	10/1/2008	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1034247	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015		
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1034247	AEPW PLANNED UPGRADE FOR NW ARKANSAS	6/1/2006	6/1/2009		No

Customer Study Number
KPP AG1-2006-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KPP	1032991	WPEK	WPEK	80	6/1/2006	6/1/2016			\$ 1,518,000	\$ -	\$ 1,518,000	\$ -
									\$ 1,518,000	\$ -	\$ 1,518,000	\$ 2,749,002

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032991	Greenleaf 34.5 kV System Improvements	6/1/2008	6/1/2008			\$ 797,000	\$ 797,000	\$ 1,403,696
	Greensburg 34.5 kV System Improvements	10/1/2007	10/1/2007			\$ 721,000	\$ 721,000	\$ 1,345,305
Total						\$ 1,518,000	\$ 1,518,000	\$ 2,749,002

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

Customer Study Number
 OGE AG1-2006-040

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
OGE	1032973	OKGE	OKGE	120	9/1/2006	9/1/2031	12/1/2008	12/1/2033	\$ 1,440,000	\$ -	\$ 4,142,282	\$ -
									\$ 1,440,000	\$ -	\$ 4,142,282	\$ 13,458,257

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032973	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		Yes	\$ 120,000	\$ 120,000	\$ 575,562
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		Yes	\$ 750,000	\$ 750,000	\$ 1,923,027
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		Yes	\$ 2,121,270	\$ 3,400,000	\$ 5,439,013
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	6/1/2008		Yes	\$ 1,151,012	\$ 1,750,000	\$ 5,520,655
Total						\$ 4,142,282	\$ 6,020,000	\$ 13,458,257

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
1032973	COLONY - FT SMITH 161KV CKT 1	6/1/2011	6/1/2011		
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	4/1/2009	12/1/2008	Yes

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
1032973	IODINE - WOODWARD 138KV CKT 1	6/1/2006	12/1/2006		Yes

Customer Study Number
 OMPA AG1-2006-010

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	977481	GRDA	OKGE	25	5/1/2007	5/1/2040	12/1/2008	12/1/2041	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
977481	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
977481	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008	10/1/2008	Yes
	GRAY TAP - PENSACOLA 69KV CKT 1	6/1/2006	12/1/2008	10/1/2008	Yes
	PENNSYLVANIA - WESTMOORE 138KV CKT 1	10/1/2007	4/1/2009	12/1/2008	Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	6/1/2013	6/1/2013		
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
977481	412SUB - KANSAS TAP 161KV CKT 1	6/1/2015	6/1/2015		
	412SUB - KERR 161KV CKT 1	6/1/2015	6/1/2015		
	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

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

Customer Study Number
WRGS AG1-2006-029D

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	1031553	KCPL	AECI	15	6/1/2006	6/1/2007	10/1/2006	10/1/2007	\$ -	\$ 153,000	\$ -	\$ -
									\$ -	\$ 153,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1031553	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1031553	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 Redispatch	6/1/2006	10/1/2006		Yes

Customer Study Number
WRGS AG1-2006-037D

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	1032955	AECI	KCPL	15	6/1/2006	6/1/2007	4/1/2008	4/1/2009	\$ -	\$ 158,400	\$ -	\$ -
									\$ -	\$ 158,400	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1032955	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
1032955	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	6/1/2006	4/1/2008	10/1/2007	Yes

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	36TH & LEWIS - 52ND & DELAWARE TAP 138KV CKT 1	Reset Relays @ 36th & Lewis	183	16SP	6/1/2016	6/1/2016	\$ 15,000
AEPW	ALUMAX TAP - BANN 138KV CKT 1	Replace six (6) 138 kV switches, five at Bann & one at Alumax Tap. Rebuild 0.67 miles of 1024 ACAR with 2156 ACSR. Replace wavetraps & jumpers @ Bann. Replace breaker 3300 @ Bann.	0	11SP	6/1/2008	6/1/2008	\$ 1,000,000
AEPW	BANN - NW TEXARKANA-BANN T 138KV CKT 1	Reset Relays	0	16SP	6/1/2012	6/1/2012	\$ 15,000
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSR, 558 normal/emergency rating and upgrade breakers	143	16SP	6/1/2016	6/1/2016	\$ 700,000
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGÉ would rebuild .18 miles of 267A533 with 795A533. This would raise OGÉ's summer and winter Rate B to 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	54	06FA	6/1/2006	4/1/2008	\$ 120,000
OKGE	KNOBHILL (KNOBHILL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer	87	08SP	6/1/2006	6/1/2008	\$ 1,750,000
WEPL	Greenleaf 34.5 kV System Improvements	Build a new 5.1 mile 34.5 kV line from Greenleaf to the City of Washington	0	08SP	6/1/2008	6/1/2008	\$ 797,000
WEPL	Greensburg 34.5 kV System Improvements	Build a new 4.5 miles 34.5 kV line from Greensburg 115/34.5 kV Sub to the City of Greensburg	0	07FA	10/1/2007	10/1/2007	\$ 721,000
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kV line	0	11SP	6/1/2009	6/1/2009	\$ 1,000,000
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV line	0	11SP	6/1/2009	6/1/2009	\$ 1,900,000
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 kV line	0	11SP	6/1/2009	6/1/2009	\$ 1,500,000
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Tear down/rebuild Jarbalo-NW Leavenworth 115 kV line with double circuit tap to Stranger Creek	0	11SP	6/1/2010	6/1/2010	\$ 2,400,000
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing	49	16SP	6/1/2011	6/1/2011	\$ 2,000,000
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	54	06FA	6/1/2006	4/1/2008	\$ 750,000
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	67	07FA	12/1/2006	6/1/2008	\$ 2,000,000
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	0	16SP	6/1/2006	4/1/2008	\$ 3,400,000

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	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	AEPW PLANNED UPGRADE FOR NW ARKANSAS	NW Project phase II scheduled to be in-service 06/2008	0	06SP	6/1/2006	6/1/2009
MIPU	IATAN - ST JOE 345KV CKT 1	Circuit Breaker	165	11WP	12/1/2011	12/1/2011
MIPU	IATAN5 161 - PLATTE CITY 161KV CKT 1	Terminal Equipment	0	11WP	6/1/2011	6/1/2011
OKGE	IODINE - WOODWARD 138KV CKT 1	New line will be in service by 12/1/2008	37	06SH	6/1/2006	12/1/2006

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

Transmission Owner	Upgrade	Solution	Minimum ATC per Upgrade (MW)	Season of Minimum Allocated ATC	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetraps & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	0	08SP	6/1/2007	4/1/2008
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR	0	16SP	6/1/2016	6/1/2016
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	0	07SP	6/1/2007	4/1/2008
EMDE	JAMESVILLE - SUB 415 - BLACKHAWK JCT. 69KV CKT 1	Replace Jumpers to breaker #6950 at Blackhawk Jct	0	16SP	6/1/2013	6/1/2013
EMDE	SUB 110 - ORONOJO JCT. (ORONOJO) 161/69/12.5KV TRANSFORMER CKT 1	Replace 75 MVA Auto-xfrm at Oronogo Jct with 150 MVA Auto-xfrm and install 69 kV bank breaker	0	16SP	6/1/2016	6/1/2016
EMDE	SUB 124 - AURORA H.T. - SUB 152 - MONETT H.T. 69KV CKT 1	Auto-xfrm will have an impedance similar to Aurora 59468, 59537, 59704.	0	11SP	6/1/2011	6/1/2011
EMDE	SUB 145 - JOPLIN WEST 7TH - SUB 64 - JOPLIN 10TH ST. 69KV CKT 1	Change CT Ratio on breaker #6936 at Aurora #12	0	16SP	6/1/2014	6/1/2014
GRDA	GRAY TAP - PENSACOLA 69KV CKT 1	Replace 600 amp disconnects and leads to breaker #6965 at Joplin #6	0	06SP	6/1/2006	12/1/2008
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Rebuild of Pensacola - Jayline (not owned by GRDA -- have tried to convince owner)	0	16SP	6/1/2014	6/1/2014
KACP	SOUTH WAVERLY 161/69KV TRANSFORMER CKT 1 Redispatch	Replace 800 amp wavetraps at Gladstone with 1200 amp wavetraps	0	06SH	6/1/2006	10/1/2006
MIPU	BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1	Redispatch for the 06 Summer Shoulde	0	06SP	6/1/2006	4/1/2008
OKGE	COLONY - FT SMITH 161KV CKT 1	Conductor	0	11SP	6/1/2011	6/1/2011
OKGE	PENNSYLVANIA - WESTMOORE 138KV CKT 1	Reconductor 2.2 miles to Drake ACCC/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	0	07FA	10/1/2007	4/1/2009
OKGE	WAWKOMIS TAP - WOODRING 138KV CKT 1	Replace the disconnect switches for breaker 108 at Pennsylvania Substation. Replace the 1200A transformer	0	11SP	6/1/2011	6/1/2011
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Increase CTR. Relay replacement may be required.	0	16SP	6/1/2010	6/1/2010
SWPA	JONES - JONESBORO 161KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTF	0	16SP	6/1/2010	6/1/2010
WERE	CIRCLEVILLE - HOYT HTI SWITCHING JUNCTION 115KV CKT 1	Replace bus at Bull Shoals	0	11SP	6/1/2009	6/1/2009
WERE	LINCOLN - KING HILL N.M. COOP 115KV CKT 1	Change the ratio on the metering CTs to 1200/5 and adjust the meter	0	07FA	10/1/2006	6/1/2009
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Rebuild 16.66 mile Circleville-Hoyt HTI Junction 115 kV line	0	08WP	10/1/2006	4/1/2009
WERE	ROSE HILL (ROSEHILLX) 345/138/13.8KV TRANSFORMER CKT 3	Rebuild 15.15 mile line with 1192.5 kcmil ACSR and replace CT	0	16SP	6/1/2016	6/1/2016
WERE		Tie Line, Rebuild 5.02-mile 138kV line from Dearing to S Coffeyville Tap and replace Dearing 138kV main bus and connections.	0	16SP	6/1/2013	6/1/2013
WERE		Add third 345-138 kV transformer at Rose Hill	0	16SP	6/1/2013	6/1/2013

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)
EMDE	SUB 110 - ORONOJO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
EMDE	SUB 110 - ORONOJO JCT. (ORONOJO) 161/69/12.5KV TRANSFORMER CKT 1	Install new 161/12 kV 22.4 transformer and take load off 69 kV system	6/1/2011	6/1/2011
GRRD	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR	6/1/2015	6/1/2015
GRRD	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2015	6/1/2015
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Upgrade Terminal Equipment	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Upgrade Terminal Equipment	6/1/2006	6/1/2006

Table 5 - Third Party Facility Constraints

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

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

Upgrade: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
 Limiting Facility: ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1
 Direction: To->From
 Line Outage: SPP-AEPW-29
 Flowgate: 53245533001SPP-AEPW-291107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	2.9	2.9								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COMANCHE 138KV	160	0.01244	-0.10002	29	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COMANCHE 69KV	63	0.01239	-0.09997	29	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.0997	29	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WELSH 345KV	990	0.01228	-0.09986	29	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	COGENTRIX 345KV	665	0.00882	-0.0964	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.09565	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.09565	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.09565	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.09635	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	92.99999	0.0087	-0.09628	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.09628	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WLEETKA 138KV	70	0.00961	-0.09719	30	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	FITZHUGH 161KV	126	0.00382	-0.0914	32	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	LEBROCK 345KV	365	-0.00885	-0.07873	37	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	NARROWS 69KV	22	-0.00834	-0.07924	37	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	PIRKEY GENERATION 138KV	248	-0.01312	-0.07446	39	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	EASTMAN 138KV	355	-0.01562	-0.07196	40	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	COMANCHE 138KV	160	0.01244	-0.07321	40	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	COMANCHE 69KV	63	0.01239	-0.07316	40	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.07289	40	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	WELSH 345KV	990	0.01228	-0.07305	40	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	KNOXLEE 138KV	262.5121	-0.01564	-0.07194	41	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	WLEETKA 138KV	70	0.00961	-0.07038	41	
AEPW	LONESTAR POWER PLANT 69KV	50	-0.08758	AEPW	WILKES 345KV	311	-0.01738	-0.0702	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	COGENTRIX 345KV	665	0.00882	-0.06959	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.06884	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.06884	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.06884	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.06954	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	TULSA POWER STATION 138KV	92.99999	0.0087	-0.06947	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.06947	42	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	FITZHUGH 161KV	126	0.00382	-0.06459	45	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	LEBROCK 345KV	365	-0.00885	-0.05192	56	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	NARROWS 69KV	22	-0.00834	-0.05243	56	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	PIRKEY GENERATION 138KV	248	-0.01312	-0.04765	61	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	EASTMAN 138KV	355	-0.01562	-0.04515	65	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	KNOXLEE 138KV	262.5121	-0.01564	-0.04513	65	
AEPW	WILKES 138KV	116.6958	-0.06077	AEPW	WILKES 345KV	311	-0.01738	-0.04339	67	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COMANCHE 138KV	160	0.01244	-0.03895	75	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03863	75	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WELSH 345KV	990	0.01228	-0.03879	75	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	WLEETKA 138KV	70	0.00961	-0.03612	81	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	COGENTRIX 345KV	665	0.00882	-0.03533	82	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03528	83	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	92.99999	0.0087	-0.03521	83	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03521	83	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COMANCHE 138KV	160	0.01244	-0.03486	84	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	SOUTHWESTERN STATION 138KV	327	0.01212	-0.03454	84	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WELSH 345KV	990	0.01228	-0.0347	84	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03458	84	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03458	84	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03458	84	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	WLEETKA 138KV	70	0.00961	-0.03203	91	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	COGENTRIX 345KV	665	0.00882	-0.03124	93	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	RIVERSIDE STATION 138KV	646	0.00877	-0.03119	93	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	92.99999	0.0087	-0.03112	94	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	TULSA POWER STATION 138KV	147	0.0087	-0.03112	94	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	405	0.00807	-0.03049	96	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 138KV	95	0.00807	-0.03049	96	
AEPW	ARSENAL HILL 69KV	75	-0.02242	AEPW	NORTHEASTERN STATION 345KV	645	0.00807	-0.03049	96	
AEPW	LIEBERMAN 138KV	137	-0.02651	AEPW	FITZHUGH 161KV	126	0.00382	-0.03033	96	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: 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: 59205592351592445920211106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1032955	0.8	4.8							
1034307	4.1	4.8							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	GREENWOOD 161KV	255.8	-0.18518	MIPU	SIBLEY 161KV	230.2336	0.19121	-0.37639	13
MIPU	ARIES 161KV	595	-0.14198	MIPU	SIBLEY 161KV	230.2336	0.19121	-0.33319	14
MIPU	GREENWOOD 161KV	255.8	-0.18518	MIPU	SIBLEY 69KV	45.99999	0.16359	-0.34877	14
MIPU	ARIES 161KV	595	-0.14198	MIPU	SIBLEY 69KV	45.99999	0.16359	-0.30557	16
MIPU	RALPH GREEN 69KV	73.7	-0.11371	MIPU	SIBLEY 161KV	230.2336	0.19121	-0.30492	16
MIPU	RALPH GREEN 69KV	73.7	-0.11371	MIPU	SIBLEY 69KV	45.99999	0.16359	-0.2773	17
MIPU	NEVADA 69KV	20.3	-0.04556	MIPU	SIBLEY 161KV	230.2336	0.19121	-0.23677	20
MIPU	GREENWOOD 161KV	255.8	-0.18518	MIPU	LAKE ROAD 161KV	35	0.03552	-0.2207	22
MIPU	GREENWOOD 161KV	255.8	-0.18518	MIPU	LAKE ROAD 34KV	92	0.03552	-0.2207	22
MIPU	NEVADA 69KV	20.3	-0.04556	MIPU	SIBLEY 69KV	45.99999	0.16359	-0.20915	23
MIPU	ARIES 161KV	595	-0.14198	MIPU	LAKE ROAD 161KV	35	0.03552	-0.1775	27
MIPU	ARIES 161KV	595	-0.14198	MIPU	LAKE ROAD 34KV	92	0.03552	-0.1775	27
MIPU	RALPH GREEN 69KV	73.7	-0.11371	MIPU	LAKE ROAD 161KV	35	0.03552	-0.14923	32
MIPU	RALPH GREEN 69KV	73.7	-0.11371	MIPU	LAKE ROAD 34KV	92	0.03552	-0.14923	32

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

MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.13625	35
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.09305	52
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.08108	60
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.08108	60
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	455	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	314	0.04087	-0.07753	62
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	38	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	35	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	38	0.03795	-0.07461	65
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	27.89355	0.03795	-0.07461	65
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'HAWTHORN 161KV'	455	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'HAWTHORN 161KV'	314	0.04087	-0.06978	69
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	38	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	35	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	38	0.03795	-0.06686	72
KACP	'MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	27.89355	0.03795	-0.06686	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.06478	75
KACP	'MARSHALL 161KV'	39.1	-0.03666	KACP	'IATAN 345KV'	396	0.0154	-0.05206	93

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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: 59205592351592445920211107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1032955	0.8	4.7							
1034307	4.0	4.7							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SIBLEY 161KV'	232.7943	0.19105	-0.3762	13
MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SIBLEY 161KV'	232.7943	0.19105	-0.33299	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SIBLEY 69KV'	45.99999	0.16339	-0.34854	14
MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SIBLEY 69KV'	45.99999	0.16339	-0.30533	16
MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.22049	21
MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.22049	21
MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.17728	27
MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.17728	27
MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.13631	35
MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.0931	51
MIPU	'NEVADA 69KV'	20.3	-0.04529	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.08063	59
MIPU	'NEVADA 69KV'	20.3	-0.04529	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.08063	59
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'HAWTHORN 161KV'	455	0.04042	-0.07711	61
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'HAWTHORN 161KV'	314	0.04042	-0.07711	61
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	36	0.03717	-0.07386	64
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	36	0.03717	-0.07386	64
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	38	0.03717	-0.07386	64
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	35	0.03717	-0.07386	64
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	38	0.03717	-0.07386	64
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	32.55078	0.03717	-0.07386	64
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'HAWTHORN 161KV'	455	0.04042	-0.06922	68
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'HAWTHORN 161KV'	314	0.04042	-0.06922	68
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	36	0.03717	-0.06597	72
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	36	0.03717	-0.06597	72
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	38	0.03717	-0.06597	72
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	35	0.03717	-0.06597	72
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	38	0.03717	-0.06597	72
KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	32.55078	0.03717	-0.06597	72
MIPU	'RALPH GREEN 69KV'	73.7	-0.11364	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.0648	73
KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'IATAN 345KV'	396	0.01542	-0.05211	91

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Direction: To->From
 Line Outage: ORRICK - RICHMOND 161KV CKT 1
 Flowgate: 59205592351592445923611106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1032955	0.8	4.8							
1034307	4.1	4.8							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 161KV'	230.2336	0.19121	-0.37639	13
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 161KV'	230.2336	0.19121	-0.33319	14
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.34877	14
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.30557	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 161KV'	230.2336	0.19121	-0.30492	16
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.2773	17
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 161KV'	230.2336	0.19121	-0.23677	20
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.2207	22
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.2207	22
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'SIBLEY 69KV'	45.99999	0.16359	-0.20915	23
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.1775	27
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.1775	27
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.14923	32
MIPU	'RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.14923	32
MIPU	'GREENWOOD 161KV'	255.8	-0.18518	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.13625	35
MIPU	'ARIES 161KV'	595	-0.14198	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.09305	52
MIPU	'NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 161KV'	35	0.03552	-0.08108	60

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

MIPU	NEVADA 69KV'	20.3	-0.04556	MIPU	'LAKE ROAD 34KV'	92	0.03552	-0.08108	60
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	455	0.04087	-0.07753	62
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'HAWTHORN 161KV'	314	0.04087	-0.07753	62
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	36	0.03795	-0.07461	65
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 13KV'	38	0.03795	-0.07461	65
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	35	0.03795	-0.07461	65
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	38	0.03795	-0.07461	65
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'NORTHEAST 161KV'	27.89355	0.03795	-0.07461	65
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'HAWTHORN 161KV'	455	0.04087	-0.06978	69
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'HAWTHORN 161KV'	314	0.04087	-0.06978	69
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	36	0.03795	-0.06686	72
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 13KV'	38	0.03795	-0.06686	72
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	35	0.03795	-0.06686	72
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	38	0.03795	-0.06686	72
KACP	MONTROSE 161KV'	27.81479	-0.02891	KACP	'NORTHEAST 161KV'	27.89355	0.03795	-0.06686	72
MIPU	RALPH GREEN 69KV'	73.7	-0.11371	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.04893	-0.06478	75
KACP	MARSHALL 161KV'	39.1	-0.03666	KACP	'IATAN 345KV'	396	0.0154	-0.05206	93

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: 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: 59205592351592445923611107SP
 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	Redispatch Amount (MW)
1032955	0.8	4.7	MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SIBLEY 161KV'	232.7943	0.19105	-0.3762	13
1034307	4.0	4.7	MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SIBLEY 161KV'	232.7943	0.19105	-0.33299	14
			MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SIBLEY 69KV'	45.99999	0.16339	-0.34854	14
			MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SIBLEY 69KV'	45.99999	0.16339	-0.30533	16
			MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.22049	21
			MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.22049	21
			MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.17728	27
			MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.17728	27
			MIPU	'GREENWOOD 161KV'	255.8	-0.18515	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.13631	31
			MIPU	'ARIES 161KV'	595	-0.14194	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.09311	55
			MIPU	'NEVADA 69KV'	20.3	-0.04529	MIPU	'LAKE ROAD 161KV'	35	0.03534	-0.08063	59
			MIPU	'NEVADA 69KV'	20.3	-0.04529	MIPU	'LAKE ROAD 34KV'	92	0.03534	-0.08063	59
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'HAWTHORN 161KV'	455	0.04042	-0.07711	61
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'HAWTHORN 161KV'	314	0.04042	-0.07711	61
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	36	0.03717	-0.07386	64
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	36	0.03717	-0.07386	64
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 13KV'	38	0.03717	-0.07386	64
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	35	0.03717	-0.07386	64
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	38	0.03717	-0.07386	64
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'NORTHEAST 161KV'	32.55078	0.03717	-0.07386	64
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'HAWTHORN 161KV'	455	0.04042	-0.06922	68
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'HAWTHORN 161KV'	314	0.04042	-0.06922	68
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	36	0.03717	-0.06597	72
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	36	0.03717	-0.06597	72
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 13KV'	38	0.03717	-0.06597	72
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	35	0.03717	-0.06597	72
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	38	0.03717	-0.06597	72
			KACP	'MONTROSE 161KV'	27.68605	-0.0288	KACP	'NORTHEAST 161KV'	32.55078	0.03717	-0.06597	72
			MIPU	'RALPH GREEN 69KV'	73.7	-0.11364	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.04884	-0.0648	73
			KACP	'MARSHALL 161KV'	39.1	-0.03669	KACP	'IATAN 345KV'	396	0.01542	-0.05211	91

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: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Limiting Facility: BLUE SPRINGS EAST - DUNCAN ROAD 161KV CKT 1
 Direction: To->From
 Line Outage: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
 Flowgate: 59205592351PHILL737511106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032955	0.5	3.6	MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 161KV'	230.2336	0.15485	-0.42745	8
1034307	3.1	3.6	MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SIBLEY 161KV'	230.2336	0.15485	-0.39728	9
			MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.40532	9
			MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.37515	10
			MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SIBLEY 161KV'	230.2336	0.15485	-0.31672	11
			MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.30138	12
			MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.30138	12
			MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.29459	12
			MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.27121	13
			MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.27121	13
			MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.05024	-0.22236	16
			MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'SIBLEY 161KV'	230.2336	0.15485	-0.21917	17
			MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'SIBLEY 69KV'	45.99999	0.13272	-0.19704	18
			MIPU	'ARIES 161KV'	595	-0.24243	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.05024	-0.19219	19
			MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.19065	19
			MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.19065	19
			MIPU	'RALPH GREEN 69KV'	73.7	-0.16187	MIPU	'SOUTH HARPER 161KV'	232.4752	-0.05024	-0.11163	32
			MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'LAKE ROAD 161KV'	35	0.02878	-0.0931	39
			MIPU	'NEVADA 69KV'	20.3	-0.06432	MIPU	'LAKE ROAD 34KV'	92	0.02878	-0.0931	39
			KACP	'MONTROSE 161KV'	27.81479	-0.04268	KACP	'HAWTHORN 161KV'	455	0.03194	-0.07462	49

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

KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'HAWTHORN 161KV'	314	0.03194	-0.07462	49
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 13KV'	36	0.02881	-0.07149	51
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 13KV'	36	0.02881	-0.07149	51
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 13KV'	38	0.02881	-0.07149	51
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 161KV'	35	0.02881	-0.07149	51
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 161KV'	38	0.02881	-0.07149	51
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'NORTHEAST 161KV'	27.89355	0.02881	-0.07149	51
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'HAWTHORN 161KV'	455	0.03194	-0.05468	66
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'HAWTHORN 161KV'	314	0.03194	-0.05468	66
KACP	MONTROSE 161KV	27.81479	-0.04268	KACP	'IATAN 345KV'	396	0.0114	-0.05408	67
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 13KV'	36	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 13KV'	36	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 13KV'	38	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 161KV'	35	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 161KV'	38	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'NORTHEAST 161KV'	27.89355	0.02881	-0.05155	70
KACP	MARSHALL 161KV	39.1	-0.02274	KACP	'IATAN 345KV'	396	0.0114	-0.03414	106

Maximum Decrement and Maximum Increment were 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: PLEASANT HILL () 345/161/13.8KV TRANSFORMER CKT 1
 Flowgate: 59205592351PHILL737511107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount			Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
1032955	0.5	0.5							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
MIPU	'ARIES 161KV'	595	-0.24241	MIPU	'SIBLEY 161KV'	232.7943	0.15465	-0.39706	1
MIPU	'ARIES 161KV'	595	-0.24241	MIPU	'SIBLEY 69KV'	45.99999	0.1325	-0.37491	1
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 161KV'	232.7943	0.15465	-0.42725	1
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SIBLEY 69KV'	45.99999	0.1325	-0.4051	1
MIPU	'ARIES 161KV'	595	-0.24241	MIPU	'LAKE ROAD 161KV'	35	0.02858	-0.27099	2
MIPU	'ARIES 161KV'	595	-0.24241	MIPU	'LAKE ROAD 34KV'	92	0.02858	-0.27099	2
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 161KV'	35	0.02858	-0.30118	2
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'LAKE ROAD 34KV'	92	0.02858	-0.30118	2
MIPU	'GREENWOOD 161KV'	255.8	-0.2726	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.05019	-0.22241	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.16184	MIPU	'SIBLEY 161KV'	232.7943	0.15465	-0.31649	2
MIPU	'RALPH GREEN 69KV'	73.7	-0.16184	MIPU	'SIBLEY 69KV'	45.99999	0.1325	-0.29434	2
MIPU	'ARIES 161KV'	595	-0.24241	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.05019	-0.19222	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.16184	MIPU	'LAKE ROAD 161KV'	35	0.02858	-0.19042	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.16184	MIPU	'LAKE ROAD 34KV'	92	0.02858	-0.19042	3
MIPU	'RALPH GREEN 69KV'	73.7	-0.16184	MIPU	'SOUTH HARPER 161KV'	274.6863	-0.05019	-0.11165	4
MIPU	'NEVADA 69KV'	20.3	-0.06403	MIPU	'LAKE ROAD 161KV'	35	0.02858	-0.09261	5
MIPU	'NEVADA 69KV'	20.3	-0.06403	MIPU	'LAKE ROAD 34KV'	92	0.02858	-0.09261	5
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'HAWTHORN 161KV'	455	0.03149	-0.07409	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'HAWTHORN 161KV'	314	0.03149	-0.07409	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 13KV'	36	0.02805	-0.07065	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 13KV'	36	0.02805	-0.07065	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 13KV'	38	0.02805	-0.07065	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 161KV'	35	0.02805	-0.07065	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 161KV'	38	0.02805	-0.07065	7
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'NORTHEAST 161KV'	32.55078	0.02805	-0.07065	7
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'HAWTHORN 161KV'	455	0.03149	-0.0544	9
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'HAWTHORN 161KV'	314	0.03149	-0.0544	9
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'IATAN 345KV'	396	0.01139	-0.05399	9
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 13KV'	36	0.02805	-0.05096	10
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 13KV'	36	0.02805	-0.05096	10
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 13KV'	38	0.02805	-0.05096	10
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 161KV'	35	0.02805	-0.05096	10
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 161KV'	38	0.02805	-0.05096	10
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'NORTHEAST 161KV'	32.55078	0.02805	-0.05096	10
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'CLARENCE CANNON DAM 69KV'	39.2	0.00498	-0.03733	13
KACP	MARSHALL 161KV	39.1	-0.02291	KACP	'IATAN 345KV'	396	0.01139	-0.0343	14
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'BULL CREEK 161KV'	308	-0.00865	-0.03395	14
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'SIKSTONE 161KV'	235	-0.00028	-0.03207	15
KACP	MONTROSE 161KV	27.68605	-0.0426	KACP	'LACYGNE UNIT 345KV'	958	-0.01131	-0.03129	16
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'JONESBORO 161KV'	63	-0.00167	-0.03068	16
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'KENNETT 69KV'	7.2	-0.00098	-0.03137	16
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'MALDEN 69KV'	7	-0.00075	-0.0316	16
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'PARAGOULD 69KV'	5.5	-0.00138	-0.03097	16
SWPA	'STOCKTON 161KV'	7.900002	-0.03235	SWPA	'POPLAR BLUFF 69KV'	6	-0.00092	-0.03143	16

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD - WOODWARD 69KV CKT 1
 Flowgate: 55785559991547825609611106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount			Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
1032973	31.1	31.1							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31

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

OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	102	1	-1	31
OKGE	MCCLAIN 138KV	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	MUSKOGEE 161KV	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	MUSKOGEE 161KV	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	MUSKOGEE 161KV	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	MUSKOGEE 161KV	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	MUSKOGEE 345KV	20	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	MUSKOGEE 345KV	20	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	MUSTANG 138KV	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	MUSTANG 138KV	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	MUSTANG 69KV	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	MUSTANG 69KV	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	REDBUD 345KV	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	REDBUD 345KV	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	REDBUD 345KV	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	REDBUD 345KV	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	SEMINOLE 138KV	262.1816	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	SEMINOLE 138KV	262.1816	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	SEMINOLE 345KV	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	SEMINOLE 345KV	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	SOONER 138KV	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	SOONER 138KV	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31
OKGE	TINKER 5G 138KV	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	31
OKGE	TINKER 5G 138KV	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	31

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD - WOODWARD 69KV CKT 1
 Flowgate: 5578559991547825609611106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	20.5	20.5	OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'HORSESHOE LAKE 69KV'	16	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MCCLAIN 138KV	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MCCLAIN 138KV	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MUSKOGEE 161KV	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MUSKOGEE 161KV	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MUSKOGEE 161KV	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MUSKOGEE 161KV	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MUSKOGEE 345KV	20	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MUSKOGEE 345KV	20	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MUSTANG 138KV	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MUSTANG 138KV	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	MUSTANG 69KV	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	MUSTANG 69KV	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	REDBUD 345KV	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	REDBUD 345KV	460	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	REDBUD 345KV	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	REDBUD 345KV	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	SEMINOLE 138KV	47.215	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	SEMINOLE 138KV	47.215	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	SEMINOLE 345KV	406.08	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	SEMINOLE 345KV	406.08	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	SOONER 138KV	24.99997	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	SOONER 138KV	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	'SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21
			OKGE	TINKER 5G 138KV	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	21
			OKGE	TINKER 5G 138KV	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	21

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD - WOODWARD 69KV CKT 1
 Flowgate: 5578559991547825609611306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 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	Redispatch Amount (MW)
1032973	11.5	11.5	OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
			OKGE	'CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
			OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
			OKGE	'HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
			OKGE	'HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12

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

OKGE	HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	MUSTANG 138KV'	147.3059	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	MUSTANG 138KV'	147.3059	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	ONE OAK 345KV'	204	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	ONE OAK 345KV'	204	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	SEMINOLE 138KV'	17.47644	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	SEMINOLE 138KV'	17.47644	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	SOONER 138KV'	24.99997	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	SOONER 138KV'	24.99997	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12
OKGE	TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	12
OKGE	TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	12

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 5578559991547875479611107AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount								
1023236		1.4								
1032973		31.0								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	AES 161KV'	160	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	33	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	33	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	33	
OKGE	MCCLAIN 138KV'	520	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	33	
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	33	
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	33	
OKGE	MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	33	
OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	33	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	33	
OKGE	ONE OAK 345KV'	236	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	33	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	33	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	33	
OKGE	SEMINOLE 138KV'	508.3745	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97299	33	
OKGE	SEMINOLE 345KV'	996.6	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97299	33	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	33	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	33	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	33	
OKGE	TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	33	
OKGE	AES 161KV'	160	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	40	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	40	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	40	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	40	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	40	
OKGE	MCCLAIN 138KV'	520	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	40	
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	40	
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	40	
OKGE	MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	40	
OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	40	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	40	
OKGE	ONE OAK 345KV'	236	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	40	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	40	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	40	
OKGE	SEMINOLE 138KV'	508.3745	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	40	
OKGE	SEMINOLE 345KV'	996.6	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	40	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	40	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	40	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	40	
OKGE	TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	40	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 5578559991547875479611107G
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236		0.7							
1032973		15.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV'	40	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	16
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	16
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	16
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	16
OKGE	HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	16
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97275	16

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

OKGE	MUSKOGEE 161KV	166	0.00003	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97306	16
OKGE	MUSKOGEE 161KV	31	0.00003	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97306	16
OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97304	16
OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97273	16
OKGE	MUSTANG 69KV	106	0.00041	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97268	16
OKGE	ONE OAK 345KV	236	0.00012	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97297	16
OKGE	REDBUD 345KV	900	0.00014	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97295	16
OKGE	REDBUD 345KV	421.65	0.00014	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97295	16
OKGE	SEMINOLE 138KV	401.2314	0.00019	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97299	16
OKGE	SEMINOLE 345KV	608.1636	0.00019	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97299	16
OKGE	SOONER 138KV	24.99997	-0.00031	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.9734	16
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00162	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97471	16
OKGE	TINKER 5G 138KV	62	0.00025	OKGE	FPLWND2 34KV	101.9988	0.97309	-0.97284	16
OKGE	AES 161KV	40	0.00003	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81255	19
OKGE	HORSESHOE LAKE 138KV	380	0.00022	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81236	19
OKGE	HORSESHOE LAKE 138KV	91	0.00022	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81236	19
OKGE	HORSESHOE LAKE 138KV	380.5	0.00022	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81236	19
OKGE	HORSESHOE LAKE 69KV	16	0.00022	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81236	19
OKGE	MCCLAIN 138KV	42	0.00034	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81224	19
OKGE	MUSKOGEE 161KV	166	0.00003	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81255	19
OKGE	MUSKOGEE 161KV	31	0.00003	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81255	19
OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81253	19
OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81222	19
OKGE	MUSTANG 69KV	106	0.00041	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81217	19
OKGE	ONE OAK 345KV	236	0.00012	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81246	19
OKGE	REDBUD 345KV	421.65	0.00014	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81244	19
OKGE	REDBUD 345KV	900	0.00014	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81244	19
OKGE	SEMINOLE 138KV	401.2314	0.00019	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81239	19
OKGE	SEMINOLE 345KV	608.1636	0.00019	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81239	19
OKGE	SOONER 138KV	24.99997	-0.00031	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81289	19
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00162	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.8142	19
OKGE	TINKER 5G 138KV	62	0.00025	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81233	19
WFEC	MORLND 138KV	320	-0.02454	WFEC	SLEEPING BEAR 138KV	80	0.05339	-0.07793	201

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 5578559991547875479611206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 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	Redispatch Amount (MW)
1023236	0.4	8.6	OKGE	AES 161KV	10	0.00003	OKGE	FPLWND2 34KV	102	0.97309	-0.97306	9
1032973	8.2	8.6	OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00045	OKGE	FPLWND2 34KV	102	0.97309	-0.97354	9
			OKGE	HORSESHOE LAKE 138KV	380	0.00023	OKGE	FPLWND2 34KV	102	0.97309	-0.97286	9
			OKGE	HORSESHOE LAKE 138KV	91	0.00023	OKGE	FPLWND2 34KV	102	0.97309	-0.97286	9
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00023	OKGE	FPLWND2 34KV	102	0.97309	-0.97286	9
			OKGE	HORSESHOE LAKE 69KV	16	0.00022	OKGE	FPLWND2 34KV	102	0.97309	-0.97287	9
			OKGE	MCCLAIN 138KV	42	0.00036	OKGE	FPLWND2 34KV	102	0.97309	-0.97273	9
			OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	FPLWND2 34KV	102	0.97309	-0.97305	9
			OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	FPLWND2 34KV	102	0.97309	-0.97305	9
			OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	FPLWND2 34KV	102	0.97309	-0.97304	9
			OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	FPLWND2 34KV	102	0.97309	-0.97273	9
			OKGE	MUSTANG 69KV	106	0.0004	OKGE	FPLWND2 34KV	102	0.97309	-0.97269	9
			OKGE	ONE OAK 345KV	336	0.00012	OKGE	FPLWND2 34KV	102	0.97309	-0.97297	9
			OKGE	REDBUD 345KV	421.65	0.00014	OKGE	FPLWND2 34KV	102	0.97309	-0.97295	9
			OKGE	REDBUD 345KV	900	0.00014	OKGE	FPLWND2 34KV	102	0.97309	-0.97295	9
			OKGE	SEMINOLE 138KV	395.2155	0.00019	OKGE	FPLWND2 34KV	102	0.97309	-0.97299	9
			OKGE	SEMINOLE 345KV	558.5093	0.00019	OKGE	FPLWND2 34KV	102	0.97309	-0.97299	9
			OKGE	SOONER 138KV	24.99997	-0.00031	OKGE	FPLWND2 34KV	102	0.97309	-0.9734	9
			OKGE	SOUTH 4TH ST 69KV	42.7	-0.00162	OKGE	FPLWND2 34KV	102	0.97309	-0.97471	9
			OKGE	TINKER 5G 138KV	62	0.00025	OKGE	FPLWND2 34KV	102	0.97309	-0.97284	9
			OKGE	AES 161KV	10	0.00003	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81255	11
			OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00045	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81303	11
			OKGE	HORSESHOE LAKE 138KV	380	0.00023	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81235	11
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00023	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81235	11
			OKGE	HORSESHOE LAKE 138KV	91	0.00023	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81235	11
			OKGE	HORSESHOE LAKE 69KV	16	0.00022	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81236	11
			OKGE	MCCLAIN 138KV	42	0.00036	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81222	11
			OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81254	11
			OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81254	11
			OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81253	11
			OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81222	11
			OKGE	MUSTANG 69KV	106	0.0004	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81218	11
			OKGE	ONE OAK 345KV	336	0.00012	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81246	11
			OKGE	REDBUD 345KV	421.65	0.00014	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81244	11
			OKGE	REDBUD 345KV	900	0.00014	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81244	11
			OKGE	SEMINOLE 138KV	395.2155	0.00019	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81239	11
			OKGE	SEMINOLE 345KV	558.5093	0.00019	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81239	11
			OKGE	SOONER 138KV	24.99997	-0.00031	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81289	11
			OKGE	SOUTH 4TH ST 69KV	42.7	-0.00162	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.8142	11
			OKGE	TINKER 5G 138KV	62	0.00025	OKGE	SLEEPING BEAR 34KV	120	0.81258	-0.81233	11
			WFEC	MORLND 138KV	166.1695	-0.02454	WFEC	SLEEPING BEAR 138KV	80	0.05339	-0.07793	110

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 5578559991547875479611207FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

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

1023236	0.4	10.6								
1032973	10.2	10.6								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	FPLWND2 34KV'	102	0.97308	-0.97353	11	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	FPLWND2 34KV'	102	0.97308	-0.97286	11	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	FPLWND2 34KV'	102	0.97308	-0.97286	11	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	FPLWND2 34KV'	102	0.97308	-0.97286	11	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	FPLWND2 34KV'	102	0.97308	-0.97287	11	
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	FPLWND2 34KV'	102	0.97308	-0.97274	11	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	FPLWND2 34KV'	102	0.97308	-0.97305	11	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	FPLWND2 34KV'	102	0.97308	-0.97305	11	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	FPLWND2 34KV'	102	0.97308	-0.97304	11	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	FPLWND2 34KV'	102	0.97308	-0.97273	11	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	FPLWND2 34KV'	102	0.97308	-0.97268	11	
OKGE	ONE OAK 345KV'	323	0.00013	OKGE	FPLWND2 34KV'	102	0.97308	-0.97295	11	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	FPLWND2 34KV'	102	0.97308	-0.97294	11	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	FPLWND2 34KV'	102	0.97308	-0.97294	11	
OKGE	SEMINOLE 138KV'	34.42731	0.00018	OKGE	FPLWND2 34KV'	102	0.97308	-0.9729	11	
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	FPLWND2 34KV'	102	0.97308	-0.9729	11	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	FPLWND2 34KV'	102	0.97308	-0.97274	11	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	FPLWND2 34KV'	102	0.97308	-0.97339	11	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	FPLWND2 34KV'	102	0.97308	-0.9747	11	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	FPLWND2 34KV'	102	0.97308	-0.97284	11	
OKGE	CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81303	13	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81236	13	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81237	13	
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81224	13	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81255	13	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81254	13	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81223	13	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81218	13	
OKGE	ONE OAK 345KV'	323	0.00013	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81245	13	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81244	13	
OKGE	SEMINOLE 138KV'	34.42731	0.00018	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13	
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.8124	13	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81224	13	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81289	13	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.8142	13	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81234	13	
WFEC	MORLND 138KV'	320	-0.02454	WFEC	SLEEPING BEAR 138KV'	80	0.05338	-0.07792	136	

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 557855991547875479611207SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1023236	0.1	0.6
1032973	0.6	0.6

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	FPLWND2 34KV'	102	0.97309	-0.97287	1	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	FPLWND2 34KV'	102	0.97309	-0.97287	1	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81236	1	
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	FPLWND2 34KV'	102	0.97309	-0.97275	1	
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81224	1	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	FPLWND2 34KV'	102	0.97309	-0.97306	1	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	FPLWND2 34KV'	102	0.97309	-0.97306	1	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81255	1	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	FPLWND2 34KV'	102	0.97309	-0.97305	1	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81254	1	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	FPLWND2 34KV'	102	0.97309	-0.97274	1	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81223	1	
OKGE	MUSTANG 69KV'	57.46093	0.0004	OKGE	FPLWND2 34KV'	102	0.97309	-0.97269	1	
OKGE	MUSTANG 69KV'	57.46093	0.0004	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81218	1	
OKGE	ONE OAK 345KV'	274	0.00013	OKGE	FPLWND2 34KV'	102	0.97309	-0.97296	1	
OKGE	ONE OAK 345KV'	274	0.00013	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81245	1	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	FPLWND2 34KV'	102	0.97309	-0.97295	1	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	FPLWND2 34KV'	102	0.97309	-0.97295	1	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81244	1	
OKGE	SEMINOLE 138KV'	20.90036	0.00018	OKGE	FPLWND2 34KV'	102	0.97309	-0.97291	1	
OKGE	SEMINOLE 138KV'	20.90036	0.00018	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.8124	1	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	FPLWND2 34KV'	102	0.97309	-0.9734	1	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81289	1	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	FPLWND2 34KV'	102	0.97309	-0.97471	1	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.8142	1	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	FPLWND2 34KV'	102	0.97309	-0.97285	1	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	SLEEPING BEAR 34KV'	120	0.81258	-0.81234	1	
OKGE	WOODWARD 24KV'	9.3	0.81258	OKGE	FPLWND2 34KV'	102	0.97309	-0.16051	4	
WFEC	MORLND 138KV'	173.8576	-0.02454	WFEC	SLEEPING BEAR 138KV'	80	0.05338	-0.07792	8	

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: DEWEY - IODINE 138KV CKT 1
 Flowgate: 557855991547875479611207WP

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

Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	0.3	7.8							
1032973	7.5	7.8							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	8
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97287	8
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97274	8
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	8
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97304	8
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97273	8
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97268	8
OKGE	ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97296	8
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	8
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	8
OKGE	SEMINOLE 138KV'	309.6299	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	8
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	8
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97339	8
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9747	8
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97284	8
OKGE	AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	10
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	10
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	10
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	10
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	10
OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	10
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	10
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	10
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	10
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	10
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	10
OKGE	ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	10
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	10
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	10
OKGE	SEMINOLE 138KV'	309.6299	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	10
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	10
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	10
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	10
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	10
WFEC	MORLND 138KV'	148.9085	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	101

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578559991547965478511107AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	1.4	34.3							
1032973	32.8	34.3							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV'	160	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	35
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	35
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97288	35
OKGE	MCCLAIN 138KV'	520	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	35
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	35
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	35
OKGE	MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	35
OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	35
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	35
OKGE	ONE OAK 345KV'	236	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	35
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	35
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	35
OKGE	SEMINOLE 138KV'	508.3745	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	35
OKGE	SEMINOLE 345KV'	996.6	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	35
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	35
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	35
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	35
OKGE	TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	35
OKGE	AES 161KV'	160	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	42
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	42
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	42
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	42
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	42
OKGE	MCCLAIN 138KV'	520	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	42
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	42
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	42
OKGE	MUSKOGEE 345KV'	717.4685	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	42
OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	42
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	42
OKGE	ONE OAK 345KV'	236	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	42
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	42
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	42
OKGE	SEMINOLE 138KV'	508.3745	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	42
OKGE	SEMINOLE 345KV'	996.6	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	42
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	42
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	42
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	42
OKGE	TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	42

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

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578559991547965478511107FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	0.6	13.9								
1032973	13.3	13.9								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97353	14	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	14	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	14	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97286	14	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97287	14	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	14	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97305	14	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97304	14	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97273	14	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97268	14	
OKGE	'ONE OAK 345KV'	236	0.00013	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97295	14	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	14	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97294	14	
OKGE	SEMINOLE 138KV'	99.80365	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	14	
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9729	14	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97274	14	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97339	14	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97308	-0.9747	14	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97308	-0.97284	14	
OKGE	CONTINENTAL EMPIRE 138KV'	64	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	17	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17	
OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17	
OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	17	
OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	17	
OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17	
OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	17	
OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	17	
OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	17	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	17	
OKGE	'ONE OAK 345KV'	236	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	17	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	17	
OKGE	SEMINOLE 138KV'	99.80365	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	17	
OKGE	SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	17	
OKGE	SMITH COGEN 138KV'	110	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	17	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	17	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	17	
OKGE	TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	17	
WFEC	MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	179	

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578559991547965478511206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	0.5	12.1								
1032973	11.5	12.1								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	AES 161KV'	10	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	12	
OKGE	CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97354	12	
OKGE	HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12	
OKGE	HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97286	12	
OKGE	HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	12	
OKGE	MCCLAINE 138KV'	42	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	12	
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	12	
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	12	
OKGE	MUSKOGEE 345KV'	20	0.00005	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97304	12	
OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97273	12	
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	12	
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97297	12	
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	12	
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	12	
OKGE	SEMINOLE 138KV'	395.2155	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	12	
OKGE	SEMINOLE 345KV'	558.5093	0.00019	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9729	12	
OKGE	SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	12	
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	12	
OKGE	TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97284	12	
OKGE	AES 161KV'	10	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	15	
OKGE	CONTINENTAL EMPIRE 138KV'	63	-0.00045	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81303	15	
OKGE	HORSESHOE LAKE 138KV'	91	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	15	
OKGE	HORSESHOE LAKE 138KV'	380	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	15	
OKGE	HORSESHOE LAKE 138KV'	380.5	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81235	15	
OKGE	HORSESHOE LAKE 69KV'	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	15	
OKGE	MCCLAINE 138KV'	42	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	15	
OKGE	MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	15	
OKGE	MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	15	
OKGE	MUSKOGEE 345KV'	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	15	

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

OKGE	MUSTANG 138KV'	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	15
OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	15
OKGE	'ONE OAK 345KV'	336	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	15
OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	15
OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	15
OKGE	'SEMINOLE 138KV'	395.2155	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	15
OKGE	'SEMINOLE 345KV'	558.5093	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	15
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	15
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	15
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	15
WFEC	'MORLND 138KV'	166.1695	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	155

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578559991547965478511207SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	0.2	4.5	OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	5
1032973	4.3	4.5	OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97287	5
			OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97275	5
			OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	5
			OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97306	5
			OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97305	5
			OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97274	5
			OKGE	MUSTANG 69KV'	57.46093	0.0004	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97269	5
			OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97296	5
			OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	5
			OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97295	5
			OKGE	'SEMINOLE 138KV'	20.90036	0.00018	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97291	5
			OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	102	0.97309	-0.9734	5
			OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97471	5
			OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	102	0.97309	-0.97285	5
			OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	6
			OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	6
			OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	6
			OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	6
			OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	6
			OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	6
			OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	6
			OKGE	MUSTANG 69KV'	57.46093	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	6
			OKGE	'ONE OAK 345KV'	274	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81245	6
			OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	6
			OKGE	REDBUD 345KV'	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	6
			OKGE	'SEMINOLE 138KV'	20.90036	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	6
			OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	6
			OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	6
			OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	6
			WFEC	'MORLND 138KV'	173.8576	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	58

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578559991547965478511207WP
 Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 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	Redispatch Amount (MW)
1023236	0.5	11.3	OKGE	AES 161KV'	78.99999	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	12
1032973	10.8	11.3	OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	12
			OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	12
			OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97286	12
			OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97287	12
			OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97274	12
			OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	12
			OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97305	12
			OKGE	MUSKOGEE 345KV'	20	0.00004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97304	12
			OKGE	MUSTANG 138KV'	365.5	0.00035	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97273	12
			OKGE	MUSTANG 69KV'	106	0.0004	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97268	12
			OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97296	12
			OKGE	REDBUD 345KV'	900	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	12
			OKGE	REDBUD 345KV'	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97294	12
			OKGE	'SEMINOLE 138KV'	309.6299	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	12
			OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9729	12
			OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97339	12
			OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.9747	12
			OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'FPLWND2 34KV'	101.9968	0.97308	-0.97284	12
			OKGE	AES 161KV'	78.99999	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	14
			OKGE	HORSESHOE LAKE 138KV'	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	14
			OKGE	HORSESHOE LAKE 138KV'	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	14
			OKGE	HORSESHOE LAKE 138KV'	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	14
			OKGE	HORSESHOE LAKE 69KV'	16	0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81237	14
			OKGE	MCCLAIN 138KV'	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	14
			OKGE	MUSKOGEE 161KV'	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	14
			OKGE	MUSKOGEE 161KV'	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	14

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

OKGE	MUSKOGEE 345KV	20	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81254	14
OKGE	MUSTANG 138KV	365.5	0.00035	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81223	14
OKGE	MUSTANG 69KV	106	0.0004	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81218	14
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	14
OKGE	REDBUD 345KV	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	14
OKGE	REDBUD 345KV	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	14
OKGE	'SEMINOLE 138KV'	309.6229	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	14
OKGE	'SEMINOLE 345KV'	507.6	0.00018	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8124	14
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	14
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	14
OKGE	'TINKER 5G 138KV'	62	0.00024	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81234	14
WFEC	'MORLND 138KV'	148.9085	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05338	-0.07792	145

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: IODINE - WOODWARD 138KV CKT 1
 Flowgate: 5578555991547965478511407G
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	0.8	18.7							
1032973	17.9	18.7							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV	40	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	19
OKGE	HORSESHOE LAKE 138KV	380.5	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	19
OKGE	HORSESHOE LAKE 138KV	91	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	19
OKGE	HORSESHOE LAKE 138KV	380	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	19
OKGE	HORSESHOE LAKE 69KV	16	0.00022	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97287	19
OKGE	MCCLAIN 138KV	42	0.00034	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97275	19
OKGE	MUSKOGEE 161KV	31	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	19
OKGE	MUSKOGEE 161KV	166	0.00003	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97306	19
OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97304	19
OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97273	19
OKGE	MUSTANG 69KV	106	0.00041	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97268	19
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97297	19
OKGE	REDBUD 345KV	421.65	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	19
OKGE	REDBUD 345KV	900	0.00014	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97295	19
OKGE	'SEMINOLE 138KV'	404.9767	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	19
OKGE	'SEMINOLE 345KV'	572.6229	0.00019	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9729	19
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.9734	19
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97471	19
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'FPLWND2 34KV'	101.9988	0.97309	-0.97284	19
OKGE	AES 161KV	40	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	23
OKGE	HORSESHOE LAKE 138KV	91	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	23
OKGE	HORSESHOE LAKE 138KV	380	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	23
OKGE	HORSESHOE LAKE 138KV	380.5	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	23
OKGE	HORSESHOE LAKE 69KV	16	0.00022	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81236	23
OKGE	MCCLAIN 138KV	42	0.00034	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81224	23
OKGE	MUSKOGEE 161KV	31	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	23
OKGE	MUSKOGEE 161KV	166	0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81255	23
OKGE	MUSKOGEE 345KV	20	0.00005	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81253	23
OKGE	MUSTANG 138KV	365.5	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81222	23
OKGE	MUSTANG 69KV	106	0.00041	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81217	23
OKGE	'ONE OAK 345KV'	319	0.00012	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81246	23
OKGE	REDBUD 345KV	900	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	23
OKGE	REDBUD 345KV	421.65	0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81244	23
OKGE	'SEMINOLE 138KV'	404.9767	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	23
OKGE	'SEMINOLE 345KV'	572.6229	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81239	23
OKGE	'SOONER 138KV'	24.99997	-0.00031	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81289	23
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00162	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.8142	23
OKGE	'TINKER 5G 138KV'	62	0.00025	OKGE	'SLEEPING BEAR 34KV'	120	0.81258	-0.81233	23
WFEC	'MORLND 138KV'	320	-0.02454	WFEC	'SLEEPING BEAR 138KV'	80	0.05339	-0.07793	240

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 5578555991559205595711207AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	4.3	19.2							
1032973	14.8	19.2							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01423	OKGE	'FPLWND2 34KV'	102	0.88636	-0.90059	21
OKGE	AES 161KV	160	0.00036	OKGE	'FPLWND2 34KV'	102	0.88636	-0.886	22
OKGE	HORSESHOE LAKE 138KV	380.5	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	22
OKGE	HORSESHOE LAKE 138KV	91	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	22
OKGE	HORSESHOE LAKE 138KV	380	0.00236	OKGE	'FPLWND2 34KV'	102	0.88636	-0.884	22
OKGE	HORSESHOE LAKE 69KV	16	0.00227	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88409	22
OKGE	MCCLAIN 138KV	520	0.00378	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88258	22
OKGE	MUSKOGEE 161KV	166	0.00042	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88594	22
OKGE	MUSKOGEE 161KV	31	0.00042	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88594	22
OKGE	MUSKOGEE 345KV	714.519	0.00053	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88583	22
OKGE	MUSTANG 138KV	365.5	0.00388	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88248	22
OKGE	MUSTANG 69KV	106	0.00421	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88215	22
OKGE	'ONE OAK 345KV'	336	0.00153	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88483	22
OKGE	REDBUD 345KV	421.65	0.0016	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88476	22
OKGE	REDBUD 345KV	900	0.0016	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88476	22
OKGE	'SEMINOLE 138KV'	507.6138	0.00182	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88454	22
OKGE	'SEMINOLE 345KV'	996.6	0.00189	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88447	22
OKGE	'SMITH COGEN 138KV'	110	0.00368	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88268	22

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

OKGE	'SOONER 138KV'	24.99997	-0.0024	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88876	22
OKGE	'TINKER 5G 138KV'	62	0.00256	OKGE	'FPLWND2 34KV'	102	0.88636	-0.88838	22
OKGE	'AES 161KV'	160	0.00036	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62983	30
OKGE	'MUSKOGEE 161KV'	166	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62977	30
OKGE	'MUSKOGEE 161KV'	31	0.00042	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62977	30
OKGE	'MUSKOGEE 345KV'	714.519	0.00053	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62966	30
OKGE	'ONE OAK 345KV'	336	0.00153	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62866	30
OKGE	'REDBUD 345KV'	421.65	0.0016	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62859	30
OKGE	'REDBUD 345KV'	900	0.0016	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62859	30
OKGE	'SEMINOLE 138KV'	507.6138	0.00182	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62837	30
OKGE	'SEMINOLE 345KV'	996.6	0.00189	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.6283	30
OKGE	'SOONER 138KV'	24.99997	-0.0024	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.63259	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.01423	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.64442	30
OKGE	'HORSESHOE LAKE 138KV'	91	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	31
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	31
OKGE	'HORSESHOE LAKE 138KV'	380	0.00236	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62783	31
OKGE	'HORSESHOE LAKE 69KV'	16	0.00227	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62792	31
OKGE	'MCCLAIN 138KV'	520	0.00378	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62641	31
OKGE	'MUSTANG 138KV'	365.5	0.00388	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62631	31
OKGE	'MUSTANG 69KV'	106	0.00421	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62598	31
OKGE	'SMITH COGEN 138KV'	110	0.00368	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62651	31
OKGE	'TINKER 5G 138KV'	62	0.00256	OKGE	'SLEEPING BEAR 34KV'	120	0.63019	-0.62763	31

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: VICI - WOODWARD 69KV CKT 1
 Flowgate: 5578559991560825609611106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount				Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	16.7	16.7							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99301	17
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	17
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	17
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	17
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	17
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99334	17
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99326	17
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99326	17
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99327	17
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99333	17
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99334	17
OKGE	'ONE OAK 345KV'	236	0.00001	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99326	17
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99327	17
OKGE	'REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99327	17
OKGE	'SEMINOLE 138KV'	262.1816	-0.00004	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99331	17
OKGE	'SEMINOLE 345KV'	507.6	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	17
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99308	17
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99206	17
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99331	17
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8466	20
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	20
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84692	20
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84693	20
OKGE	'ONE OAK 345KV'	236	0.00001	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84685	20
OKGE	'REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84686	20
OKGE	'SEMINOLE 138KV'	262.1816	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	20
OKGE	'SEMINOLE 345KV'	507.6	-0.00003	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84689	20
OKGE	'SOONER 138KV'	24.99997	0.00019	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84667	20
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.00121	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.84665	20
OKGE	'TINKER 5G 138KV'	62	-0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.84686	-0.8469	20

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: VICI - WOODWARD 69KV CKT 1
 Flowgate: 5578559991560825609611206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount				Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	8.0	8.0							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00026	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99301	8
OKGE	'HORSESHOE LAKE 138KV'	380	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	8
OKGE	'HORSESHOE LAKE 138KV'	91	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	8
OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	8
OKGE	'HORSESHOE LAKE 69KV'	16	-0.00003	OKGE	'FPLWND2 34KV'	102	0.93327	-0.9933	8
OKGE	'MCCLAIN 138KV'	42	-0.00007	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99334	8
OKGE	'MUSKOGEE 161KV'	166	0.00001	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99326	8
OKGE	'MUSKOGEE 161KV'	31	0.00001	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99326	8
OKGE	'MUSKOGEE 345KV'	20	0	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99327	8
OKGE	'MUSTANG 138KV'	365.5	-0.00006	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99333	8
OKGE	'MUSTANG 69KV'	106	-0.00007	OKGE	'FPLWND2 34KV'	102	0.93327	-0.99334	8

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

OKGE	ONE OAK 345KV	293	0.00001	OKGE	FPLWND2 34KV	102	0.99327	-0.99326	8
OKGE	REDBUD 345KV	253	0	OKGE	FPLWND2 34KV	102	0.99327	-0.99327	8
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	102	0.99327	-0.99327	8
OKGE	SEMINOLE 138KV	34.15036	-0.00004	OKGE	FPLWND2 34KV	102	0.99327	-0.99331	8
OKGE	SEMINOLE 345KV	385.6923	-0.00003	OKGE	FPLWND2 34KV	102	0.99327	-0.99331	8
OKGE	SOONER 138KV	24.99997	0.00019	OKGE	FPLWND2 34KV	102	0.99327	-0.99308	8
OKGE	SOUTH 4TH ST 69KV	42.7	0.00121	OKGE	FPLWND2 34KV	102	0.99327	-0.99206	8
OKGE	TINKER 5G 138KV	62	-0.00004	OKGE	FPLWND2 34KV	102	0.99327	-0.99331	8
OKGE	CONTINENTAL EMPIRE 138KV	63	0.00026	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.8466	9
OKGE	HORSESHOE LAKE 138KV	91	-0.00003	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84689	9
OKGE	HORSESHOE LAKE 138KV	380	-0.00003	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84689	9
OKGE	HORSESHOE LAKE 138KV	380.5	-0.00003	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84689	9
OKGE	HORSESHOE LAKE 69KV	16	-0.00003	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84689	9
OKGE	MCCLAIN 138KV	42	-0.00007	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84693	9
OKGE	MUSKOGEE 161KV	31	0.00001	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84685	9
OKGE	MUSKOGEE 161KV	166	0.00001	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84685	9
OKGE	MUSKOGEE 345KV	20	0	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84686	9
OKGE	MUSTANG 138KV	365.5	-0.00006	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84692	9
OKGE	MUSTANG 69KV	106	-0.00007	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84693	9
OKGE	ONE OAK 345KV	293	0.00001	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84685	9
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84686	9
OKGE	REDBUD 345KV	253	0	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84686	9
OKGE	SEMINOLE 138KV	34.15036	-0.00004	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.8469	9
OKGE	SEMINOLE 345KV	385.6923	-0.00003	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84689	9
OKGE	SOONER 138KV	24.99997	0.00019	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84667	9
OKGE	SOUTH 4TH ST 69KV	42.7	0.00121	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.84565	9
OKGE	TINKER 5G 138KV	62	-0.00004	OKGE	SLEEPING BEAR 34KV	120	0.84686	-0.8469	9

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578555991WOODODWRD24211106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	66.1	66.1	OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	MUSTANG 138KV	365.5	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	MUSTANG 138KV	365.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	MUSTANG 69KV	106	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	MUSTANG 69KV	106	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	ONE OAK 345KV	236	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	ONE OAK 345KV	236	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	REDBUD 345KV	900	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	REDBUD 345KV	900	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	SEMINOLE 138KV	262.1816	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	SEMINOLE 138KV	262.1816	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	SEMINOLE 345KV	507.6	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	SEMINOLE 345KV	507.6	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	SOONER 138KV	24.99997	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	SOONER 138KV	24.99997	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66
			OKGE	TINKER 5G 138KV	62	0	OKGE	FPLWND2 34KV	102	1	-1	66
			OKGE	TINKER 5G 138KV	62	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	66

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578555991WOODODWRD24211206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	64.6	64.6	OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	102	1	-1	65
			OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	FPLWND2 34KV	102	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	102	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	FPLWND2 34KV	102	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
			OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
			OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	102	1	-1	65
			OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65

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

OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	MUSTANG 138KV	365.5	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	MUSTANG 138KV	365.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	MUSTANG 69KV	106	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	MUSTANG 69KV	106	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	ONE OAK 345KV	293	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	ONE OAK 345KV	293	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	REDBUD 345KV	253	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	REDBUD 345KV	253	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	SEMINOLE 138KV	34.15036	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	SEMINOLE 138KV	34.15036	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	SEMINOLE 345KV	385.6923	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	SEMINOLE 345KV	385.6923	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	SOONER 138KV	24.99997	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	SOONER 138KV	24.99997	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65
OKGE	TINKER 5G 138KV	62	0	OKGE	FPLWND2 34KV	102	1	-1	65
OKGE	TINKER 5G 138KV	62	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	65

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 557855991WOODODWRD24211206SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	63.2	63.2								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	HORSESHOE LAKE 138KV	337.7	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	HORSESHOE LAKE 138KV	337.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	MUSTANG 138KV	142.3459	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	MUSTANG 138KV	142.3459	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	ONE OAK 345KV	261	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	ONE OAK 345KV	261	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	REDBUD 345KV	253	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	REDBUD 345KV	253	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	SEMINOLE 138KV	21.7803	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	SEMINOLE 138KV	21.7803	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	SOONER 138KV	24.99997	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	SOONER 138KV	24.99997	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	101.9968	1	-1	63	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	63	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 557855991WOODODWRD24214206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	13.7	13.7								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	AES 161KV	10	0.00038	OKGE	FPLWND2 34KV	102	0.89961	-0.89923	15	
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00402	OKGE	FPLWND2 34KV	102	0.89961	-0.90363	15	
OKGE	HORSESHOE LAKE 138KV	91	0.00264	OKGE	FPLWND2 34KV	102	0.89961	-0.89697	15	
OKGE	HORSESHOE LAKE 138KV	380.5	0.00264	OKGE	FPLWND2 34KV	102	0.89961	-0.89697	15	
OKGE	HORSESHOE LAKE 138KV	380	0.00264	OKGE	FPLWND2 34KV	102	0.89961	-0.89697	15	
OKGE	HORSESHOE LAKE 69KV	16	0.00252	OKGE	FPLWND2 34KV	102	0.89961	-0.89709	15	
OKGE	MCCLAIN 138KV	42	0.00414	OKGE	FPLWND2 34KV	102	0.89961	-0.89547	15	
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	FPLWND2 34KV	102	0.89961	-0.89916	15	
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	FPLWND2 34KV	102	0.89961	-0.89916	15	
OKGE	MUSKOGEE 345KV	20	0.00057	OKGE	FPLWND2 34KV	102	0.89961	-0.89904	15	
OKGE	MUSTANG 138KV	365.5	0.00425	OKGE	FPLWND2 34KV	102	0.89961	-0.89536	15	
OKGE	MUSTANG 69KV	106	0.00459	OKGE	FPLWND2 34KV	102	0.89961	-0.89502	15	
OKGE	ONE OAK 345KV	336	0.00166	OKGE	FPLWND2 34KV	102	0.89961	-0.89795	15	
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	FPLWND2 34KV	102	0.89961	-0.89786	15	
OKGE	REDBUD 345KV	900	0.00175	OKGE	FPLWND2 34KV	102	0.89961	-0.89786	15	
OKGE	SEMINOLE 138KV	398.7187	0.00199	OKGE	FPLWND2 34KV	102	0.89961	-0.89762	15	
OKGE	SEMINOLE 345KV	558.5093	0.00206	OKGE	FPLWND2 34KV	102	0.89961	-0.89755	15	
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	FPLWND2 34KV	102	0.89961	-0.90232	15	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	102	0.89961	-0.91601	15	
OKGE	TINKER 5G 138KV	62	0.00279	OKGE	FPLWND2 34KV	102	0.89961	-0.89682	15	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.75121	18	

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

OKGE	AES 161KV	10	0.00038	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73443	19
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00402	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73883	19
OKGE	HORSESHOE LAKE 138KV	380	0.00264	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73217	19
OKGE	HORSESHOE LAKE 138KV	380.5	0.00264	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73217	19
OKGE	HORSESHOE LAKE 138KV	91	0.00264	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73217	19
OKGE	HORSESHOE LAKE 69KV	16	0.00252	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73229	19
OKGE	MCCLAIN 138KV	42	0.00414	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73067	19
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	19
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	19
OKGE	MUSKOGEE 345KV	20	0.00057	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73424	19
OKGE	MUSTANG 138KV	365.5	0.00425	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73056	19
OKGE	MUSTANG 69KV	106	0.00459	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73022	19
OKGE	ONE OAK 345KV	336	0.00166	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73315	19
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	19
OKGE	REDBUD 345KV	900	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	19
OKGE	SEMINOLE 138KV	398.7187	0.00199	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73282	19
OKGE	SEMINOLE 345KV	558.5093	0.00206	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73275	19
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73752	19
OKGE	TINKER 5G 138KV	62	0.00279	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73202	19

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578559991WOODODWRD24214207AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	25.6	25.6								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	AES 161KV	160	0.00038	OKGE	FPLWND2 34KV	102	0.89961	-0.89923	28	
OKGE	HORSESHOE LAKE 69KV	16	0.00248	OKGE	FPLWND2 34KV	102	0.89961	-0.89713	28	
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	FPLWND2 34KV	102	0.89961	-0.89916	28	
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	FPLWND2 34KV	102	0.89961	-0.89916	28	
OKGE	MUSKOGEE 345KV	714.519	0.00057	OKGE	FPLWND2 34KV	102	0.89961	-0.89904	28	
OKGE	ONE OAK 345KV	336	0.00167	OKGE	FPLWND2 34KV	102	0.89961	-0.89794	28	
OKGE	REDBUD 345KV	900	0.00175	OKGE	FPLWND2 34KV	102	0.89961	-0.89786	28	
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	FPLWND2 34KV	102	0.89961	-0.89786	28	
OKGE	SEMINOLE 138KV	511.8863	0.00199	OKGE	FPLWND2 34KV	102	0.89961	-0.89762	28	
OKGE	SEMINOLE 345KV	996.6	0.00207	OKGE	FPLWND2 34KV	102	0.89961	-0.89754	28	
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	FPLWND2 34KV	102	0.89961	-0.90232	28	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	102	0.89961	-0.91601	28	
OKGE	HORSESHOE LAKE 138KV	380	0.00258	OKGE	FPLWND2 34KV	102	0.89961	-0.89703	29	
OKGE	HORSESHOE LAKE 138KV	380.5	0.00258	OKGE	FPLWND2 34KV	102	0.89961	-0.89703	29	
OKGE	HORSESHOE LAKE 138KV	91	0.00258	OKGE	FPLWND2 34KV	102	0.89961	-0.89703	29	
OKGE	MCCLAIN 138KV	520	0.00416	OKGE	FPLWND2 34KV	102	0.89961	-0.89545	29	
OKGE	MUSTANG 138KV	365.5	0.00427	OKGE	FPLWND2 34KV	102	0.89961	-0.89534	29	
OKGE	MUSTANG 69KV	106	0.00462	OKGE	FPLWND2 34KV	102	0.89961	-0.89499	29	
OKGE	SMITH COGEN 138KV	110	0.00405	OKGE	FPLWND2 34KV	102	0.89961	-0.89556	29	
OKGE	TINKER 5G 138KV	62	0.0028	OKGE	FPLWND2 34KV	102	0.89961	-0.89681	29	
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.75121	34	
OKGE	AES 161KV	160	0.00038	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73443	35	
OKGE	HORSESHOE LAKE 138KV	380.5	0.00258	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73223	35	
OKGE	HORSESHOE LAKE 138KV	380	0.00258	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73223	35	
OKGE	HORSESHOE LAKE 138KV	91	0.00258	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73223	35	
OKGE	HORSESHOE LAKE 69KV	16	0.00248	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73233	35	
OKGE	MCCLAIN 138KV	520	0.00416	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73065	35	
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	35	
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	35	
OKGE	MUSKOGEE 345KV	714.519	0.00057	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73424	35	
OKGE	MUSTANG 138KV	365.5	0.00427	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73054	35	
OKGE	MUSTANG 69KV	106	0.00462	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73019	35	
OKGE	ONE OAK 345KV	336	0.00167	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73314	35	
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	35	
OKGE	REDBUD 345KV	900	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	35	
OKGE	SEMINOLE 138KV	511.8863	0.00199	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73282	35	
OKGE	SEMINOLE 345KV	996.6	0.00207	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73274	35	
OKGE	SMITH COGEN 138KV	110	0.00405	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73076	35	
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73752	35	
OKGE	TINKER 5G 138KV	62	0.0028	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73201	35	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578559991WOODODWRD24214207FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	27.1	27.1								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV	64	-0.004	OKGE	FPLWND2 34KV	102	0.89958	-0.90358	30	
OKGE	HORSESHOE LAKE 138KV	380	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	30	
OKGE	HORSESHOE LAKE 138KV	380.5	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	30	
OKGE	HORSESHOE LAKE 138KV	91	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	30	
OKGE	HORSESHOE LAKE 69KV	16	0.00246	OKGE	FPLWND2 34KV	102	0.89958	-0.89712	30	
OKGE	MUSKOGEE 161KV	31	0.00044	OKGE	FPLWND2 34KV	102	0.89958	-0.89914	30	
OKGE	MUSKOGEE 161KV	166	0.00044	OKGE	FPLWND2 34KV	102	0.89958	-0.89914	30	
OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	FPLWND2 34KV	102	0.89958	-0.89905	30	
OKGE	MUSTANG 138KV	365.5	0.00419	OKGE	FPLWND2 34KV	102	0.89958	-0.89539	30	
OKGE	MUSTANG 69KV	106	0.00455	OKGE	FPLWND2 34KV	102	0.89958	-0.89503	30	
OKGE	ONE OAK 345KV	323	0.00169	OKGE	FPLWND2 34KV	102	0.89958	-0.89789	30	
OKGE	REDBUD 345KV	900	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	30	

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

OKGE	REDBUD 345KV	421.65	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	30
OKGE	SEMINOLE 138KV	32.69373	0.00197	OKGE	FPLWND2 34KV	102	0.89958	-0.89761	30
OKGE	SEMINOLE 345KV	507.6	0.00204	OKGE	FPLWND2 34KV	102	0.89958	-0.89754	30
OKGE	SMITH COGEN 138KV	110	0.00399	OKGE	FPLWND2 34KV	102	0.89958	-0.89559	30
OKGE	SOONER 138KV	24.99997	-0.0027	OKGE	FPLWND2 34KV	102	0.89958	-0.90228	30
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	102	0.89958	-0.91598	30
OKGE	TINKER 5G 138KV	62	0.00277	OKGE	FPLWND2 34KV	102	0.89958	-0.89681	30
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.75118	36
OKGE	CONTINENTAL EMPIRE 138KV	64	-0.004	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73878	37
OKGE	HORSESHOE LAKE 138KV	380.5	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	37
OKGE	HORSESHOE LAKE 138KV	380	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	37
OKGE	HORSESHOE LAKE 138KV	91	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	37
OKGE	HORSESHOE LAKE 69KV	16	0.00246	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73232	37
OKGE	MUSKOGEE 161KV	31	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73434	37
OKGE	MUSKOGEE 161KV	166	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73434	37
OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73425	37
OKGE	MUSTANG 138KV	365.5	0.00419	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73059	37
OKGE	MUSTANG 69KV	106	0.00455	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73023	37
OKGE	ONE OAK 345KV	323	0.00169	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73309	37
OKGE	REDBUD 345KV	900	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	37
OKGE	REDBUD 345KV	421.65	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	37
OKGE	SEMINOLE 138KV	32.69373	0.00197	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73281	37
OKGE	SEMINOLE 345KV	507.6	0.00204	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73274	37
OKGE	SMITH COGEN 138KV	110	0.00399	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73079	37
OKGE	SOONER 138KV	24.99997	-0.0027	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73748	37
OKGE	TINKER 5G 138KV	62	0.00277	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73201	37

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 557855991WOODODWRD24214207G
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1032973	26.4	26.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV	40	0.00038	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89923	29
OKGE	HORSESHOE LAKE 138KV	380.5	0.00259	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89702	29
OKGE	HORSESHOE LAKE 138KV	91	0.00259	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89702	29
OKGE	HORSESHOE LAKE 138KV	380	0.00259	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89702	29
OKGE	HORSESHOE LAKE 69KV	16	0.00249	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89712	29
OKGE	MCCLAINE 138KV	42	0.00394	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89567	29
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89916	29
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89916	29
OKGE	MUSKOGEE 345KV	20	0.00057	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89904	29
OKGE	ONE OAK 345KV	319	0.00166	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89795	29
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89786	29
OKGE	REDBUD 345KV	900	0.00175	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89786	29
OKGE	SEMINOLE 138KV	405.9938	0.00199	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89762	29
OKGE	SEMINOLE 345KV	574.3335	0.00207	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89754	29
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.90232	29
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.91601	29
OKGE	TINKER 5G 138KV	62	0.00281	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89668	29
OKGE	MUSTANG 138KV	365.5	0.00429	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89532	30
OKGE	MUSTANG 69KV	106	0.00464	OKGE	FPLWND2 34KV	101.9988	0.89961	-0.89497	30
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.75121	35
OKGE	AES 161KV	40	0.00038	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73443	36
OKGE	HORSESHOE LAKE 138KV	91	0.00259	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73222	36
OKGE	HORSESHOE LAKE 138KV	380	0.00259	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73222	36
OKGE	HORSESHOE LAKE 138KV	380.5	0.00259	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73222	36
OKGE	HORSESHOE LAKE 69KV	16	0.00249	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73232	36
OKGE	MCCLAINE 138KV	42	0.00394	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73087	36
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	36
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73436	36
OKGE	MUSKOGEE 345KV	20	0.00057	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73424	36
OKGE	MUSTANG 138KV	365.5	0.00429	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73052	36
OKGE	MUSTANG 69KV	106	0.00464	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73017	36
OKGE	ONE OAK 345KV	319	0.00166	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73315	36
OKGE	REDBUD 345KV	900	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	36
OKGE	REDBUD 345KV	421.65	0.00175	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73306	36
OKGE	SEMINOLE 138KV	405.9938	0.00199	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73282	36
OKGE	SEMINOLE 345KV	574.3335	0.00207	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73274	36
OKGE	SOONER 138KV	24.99997	-0.00271	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.73752	36
OKGE	TINKER 5G 138KV	62	0.00281	OKGE	SLEEPING BEAR 34KV	120	0.73481	-0.732	36

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 557855991WOODODWRD24214207SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount							
1032973	13.4	13.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	HORSESHOE LAKE 138KV	380	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	15
OKGE	HORSESHOE LAKE 138KV	380.5	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	15
OKGE	MCCLAINE 138KV	42	0.00387	OKGE	FPLWND2 34KV	102	0.89958	-0.89571	15
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	FPLWND2 34KV	102	0.89958	-0.89913	15
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	FPLWND2 34KV	102	0.89958	-0.89913	15
OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	FPLWND2 34KV	102	0.89958	-0.89905	15
OKGE	MUSTANG 138KV	365.5	0.00419	OKGE	FPLWND2 34KV	102	0.89958	-0.89539	15

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

OKGE	MUSTANG 69KV	57.46093	0.00455	OKGE	FPLWND2 34KV	102	0.89958	-0.89503	15
OKGE	ONE OAK 345KV	299	0.00169	OKGE	FPLWND2 34KV	102	0.89958	-0.89789	15
OKGE	REDBUD 345KV	421.65	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	15
OKGE	REDBUD 345KV	900	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	15
OKGE	SEMINOLE 138KV	21.28235	0.00197	OKGE	FPLWND2 34KV	102	0.89958	-0.89761	15
OKGE	SOONER 138KV	24.99997	-0.00269	OKGE	FPLWND2 34KV	102	0.89958	-0.90227	15
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	102	0.89958	-0.91598	15
OKGE	TINKER 5G 138KV	62	0.00277	OKGE	FPLWND2 34KV	102	0.89958	-0.89681	15
OKGE	HORSESHOE LAKE 138KV	380	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	18
OKGE	HORSESHOE LAKE 138KV	380.5	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	18
OKGE	MCCLAIN 138KV	42	0.00387	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73091	18
OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73433	18
OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73433	18
OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73425	18
OKGE	MUSTANG 138KV	365.5	0.00419	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73059	18
OKGE	MUSTANG 69KV	57.46093	0.00455	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73023	18
OKGE	ONE OAK 345KV	299	0.00169	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73309	18
OKGE	REDBUD 345KV	900	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	18
OKGE	REDBUD 345KV	421.65	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	18
OKGE	SEMINOLE 138KV	21.28235	0.00197	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73281	18
OKGE	SOONER 138KV	24.99997	-0.00269	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73747	18
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.75118	18
OKGE	TINKER 5G 138KV	62	0.00277	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73201	18

Maximum Decrement and Maximum Increment were determine from the 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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578559991WOODODWRD24214207SP
 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	Redispatch Amount (MW)
1032973	2.3	2.3	OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	FPLWND2 34KV	102	0.89958	-0.91598	2
			OKGE	HORSESHOE LAKE 138KV	293.3623	0.00256	OKGE	FPLWND2 34KV	102	0.89958	-0.89702	3
			OKGE	HORSESHOE LAKE 138KV	293.3623	0.00256	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73222	3
			OKGE	MCCLAIN 138KV	42	0.00387	OKGE	FPLWND2 34KV	102	0.89958	-0.89571	3
			OKGE	MCCLAIN 138KV	42	0.00387	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73091	3
			OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	FPLWND2 34KV	102	0.89958	-0.89913	3
			OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	FPLWND2 34KV	102	0.89958	-0.89913	3
			OKGE	MUSKOGEE 161KV	31	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73433	3
			OKGE	MUSKOGEE 161KV	166	0.00045	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73433	3
			OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	FPLWND2 34KV	102	0.89958	-0.89905	3
			OKGE	MUSKOGEE 345KV	20	0.00053	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73425	3
			OKGE	ONE OAK 345KV	261	0.00169	OKGE	FPLWND2 34KV	102	0.89958	-0.89789	3
			OKGE	ONE OAK 345KV	261	0.00169	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73309	3
			OKGE	REDBUD 345KV	421.65	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	3
			OKGE	REDBUD 345KV	900	0.00174	OKGE	FPLWND2 34KV	102	0.89958	-0.89784	3
			OKGE	REDBUD 345KV	421.65	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	3
			OKGE	REDBUD 345KV	900	0.00174	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73304	3
			OKGE	SEMINOLE 138KV	22.65768	0.00197	OKGE	FPLWND2 34KV	102	0.89958	-0.89761	3
			OKGE	SEMINOLE 138KV	22.65768	0.00197	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73281	3
			OKGE	SOONER 138KV	24.99997	-0.00269	OKGE	FPLWND2 34KV	102	0.89958	-0.90227	3
			OKGE	SOONER 138KV	24.99997	-0.00269	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73747	3
			OKGE	SOUTH 4TH ST 69KV	42.7	-0.0164	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.75118	3
			OKGE	TINKER 5G 138KV	62	0.00277	OKGE	FPLWND2 34KV	102	0.89958	-0.89681	3
			OKGE	TINKER 5G 138KV	62	0.00277	OKGE	SLEEPING BEAR 34KV	120	0.73478	-0.73201	3
			OKGE	WOODWARD 24KV	9.3	0.73478	OKGE	FPLWND2 34KV	102	0.89958	-0.1648	14

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: FPL SWITCH - MOORELAND 138KV CKT 1 OKGE & FPL SWITCH - MOORELAND 138KV CKT 1 WFEC
 Limiting Facility: FPL SWITCH - MOORELAND 138KV CKT 1
 Direction: From->To
 Line Outage: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Flowgate: 5578559991WOODODWRD24214207WP
 Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 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	Redispatch Amount (MW)
1032973	11.3	11.3	OKGE	SOONER 138KV	24.99997	-0.00274	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.90228	12
			OKGE	SOUTH 4TH ST 69KV	42.7	-0.01641	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.91598	12
			OKGE	AES 161KV	78.99999	0.00036	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89921	13
			OKGE	HORSESHOE LAKE 138KV	380	0.00255	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89702	13
			OKGE	HORSESHOE LAKE 138KV	91	0.00255	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89702	13
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00255	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89702	13
			OKGE	HORSESHOE LAKE 69KV	16	0.00245	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89712	13
			OKGE	MCCLAIN 138KV	42	0.00386	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89571	13
			OKGE	MUSKOGEE 161KV	166	0.00043	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89914	13
			OKGE	MUSKOGEE 161KV	31	0.00043	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89914	13
			OKGE	MUSKOGEE 345KV	20	0.00051	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89906	13
			OKGE	MUSTANG 138KV	365.5	0.00418	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89539	13
			OKGE	MUSTANG 69KV	106	0.00454	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89503	13
			OKGE	ONE OAK 345KV	336	0.00168	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89789	13
			OKGE	REDBUD 345KV	900	0.00173	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89784	13
			OKGE	REDBUD 345KV	421.65	0.00173	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89784	13
			OKGE	SEMINOLE 138KV	319.239	0.00195	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89762	13
			OKGE	SEMINOLE 345KV	507.6	0.00203	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89754	13
			OKGE	TINKER 5G 138KV	62	0.00276	OKGE	FPLWND2 34KV	101.9968	0.89957	-0.89681	13
			OKGE	AES 161KV	78.99999	0.00036	OKGE	SLEEPING BEAR 34KV	120	0.73477	-0.73441	15
			OKGE	HORSESHOE LAKE 138KV	380	0.00255	OKGE	SLEEPING BEAR 34KV	120	0.73477	-0.73222	15
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00255	OKGE	SLEEPING BEAR 34KV	120	0.73477	-0.73222	15
			OKGE	HORSESHOE LAKE 138KV	91	0.00255	OKGE	SLEEPING BEAR 34KV	120	0.73477	-0.73222	15

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

OKGE	HORSESHOE LAKE 69KV'	16	0.00245	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73232	15
OKGE	MCCLAIN 138KV'	42	0.00386	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73091	15
OKGE	MUSKOGEE 161KV'	31	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73434	15
OKGE	MUSKOGEE 161KV'	166	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73434	15
OKGE	MUSKOGEE 345KV'	20	0.00051	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73426	15
OKGE	MUSTANG 138KV'	365.5	0.00418	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73059	15
OKGE	MUSTANG 69KV'	106	0.00454	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73023	15
OKGE	ONE OAK 345KV'	336	0.00168	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73309	15
OKGE	REDBUD 345KV'	900	0.00173	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73304	15
OKGE	REDBUD 345KV'	421.65	0.00173	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73304	15
OKGE	SEMINOLE 138KV'	319.239	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73282	15
OKGE	SEMINOLE 345KV'	507.6	0.00203	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73274	15
OKGE	SOONER 138KV'	24.99997	-0.00271	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73748	15
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.01641	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.75118	15
OKGE	TINKER 5G 138KV'	62	0.00276	OKGE	'SLEEPING BEAR 34KV'	120	0.73477	-0.73201	15

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595711107G
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	10.1	10.1								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713106WVP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	12.6	12.6								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	'ANADARKO 138KV'	6.501755	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'MORLND 138KV'	166.1695	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713107AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	11.3	11.3								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	'ANADARKO 138KV'	260.5816	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	11	
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	11	
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	11	
WFEC	'HUGO 138KV'	191.9206	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	11	
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	11	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713107FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	13.2	13.2								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'ANADARKO 138KV'	56.21384	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1

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

Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	12.1	12.1								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	12	
WFEC	'ANADARKO 138KV'	6.439758	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	12	
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	12	
WFEC	'MORLND 138KV'	39.60681	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	12	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713107WP
 Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	12.5	12.5							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'ANADARKO 138KV'	6.419029	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'MORLND 138KV'	148.9085	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FT SUPPLY - IODINE 138KV CKT 1
 Flowgate: 55919559201559205595713307SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	12.5	12.5							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	9.366776	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'ANADARKO 138KV'	70	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13
WFEC	'MORLND 138KV'	173.8576	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	13

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599911107G
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Spring Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	7.4	7.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	7

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913106WP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	9.3	9.3							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 138KV'	6.501755	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'MORLND 138KV'	166.1695	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1

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

Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913107AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	9.7	9.7								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
WFEC	'ANADARKO 138KV'	260.5816	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	
WFEC	'HUGO 138KV'	191.9206	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10	

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913107FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	10.5	10.5							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	56.21384	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10
WFEC	'MORLND 138KV'	320	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	10

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913107SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	8.4	8.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	8
WFEC	'ANADARKO 138KV'	6.439758	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	8
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	8
WFEC	'MORLND 138KV'	39.60681	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	8

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

Upgrade: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913107SH
 Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	9.2	9.2							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 138KV'	6.419029	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'MORLND 138KV'	148.9085	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Limiting Facility: FT SUPPLY 138/69KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: IODINE - MOORELAND 138KV CKT 1
 Flowgate: 55919559201559575599913307SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	9.3	9.3							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
WFEC	'ANADARKO 138KV'	9.366776	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 138KV'	90	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'ANADARKO 69KV'	76	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	9
WFEC	'MORLND 138KV'	173.8576	0	WFEC	'SLEEPING BEAR 138KV'	80	1	-1	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

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

Redispatch Amount = Relief Amount / Factor

Upgrade: GRAY TAP - PENSACOLA 69KV CKT 1
 Limiting Facility: GRAY TAP - PENSACOLA 69KV CKT 1
 Direction: To->From
 Line Outage: KANSAS - KANSAS TAP 161KV CKT 1
 Flowgate: 5446544281545165451413108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
977481	0.6	0.6								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
GRDA	'KERR 161KV'	28.5	0.01034	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11933	5	
GRDA	'SALINA 161KV'	72.45568	0.01034	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11933	5	
GRDA	'KERR 115KV'	28.5	0.01611	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11356	6	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: GRAY TAP - PENSACOLA 69KV CKT 1
 Limiting Facility: GRAY TAP - PENSACOLA 69KV CKT 1
 Direction: To->From
 Line Outage: KANSAS (KANAU01) 161/69/13.8KV TRANSFORMER CKT 1
 Flowgate: 5446544281KANSNAUTO15213108SP
 Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC
 Season Flowgate Identified: 2008 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
977481	0.6	0.6								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
GRDA	'KERR 161KV'	28.5	0.01034	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11933	5	
GRDA	'SALINA 161KV'	72.45568	0.01034	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11933	5	
GRDA	'KERR 115KV'	28.5	0.01611	GRDA	'PENSACOLA 69KV'	6.50354	0.12967	-0.11356	6	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111206SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	6.8	6.8								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08519	80	
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08519	80	
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08425	81	
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08425	81	
OKGE	'MCCLAIN 138KV'	42	0.00178	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08441	81	
OKGE	'REDBUD 345KV'	421.65	0.00226	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08393	81	
OKGE	'REDBUD 345KV'	253	0.00226	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08393	81	
OKGE	'MUSTANG 138KV'	142.3459	0.00252	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08367	82	
OKGE	'ONE OAK 345KV'	261	0.00297	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.08322	82	
OKGE	'MCCLAIN 138KV'	42	0.00178	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08085	84	
OKGE	'MUSKOGEE 161KV'	166	0.001	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08163	84	
OKGE	'MUSKOGEE 161KV'	31	0.001	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08163	84	
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00194	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08069	85	
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08069	85	
OKGE	'MUSTANG 138KV'	142.3459	0.00252	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08011	85	
OKGE	'REDBUD 345KV'	253	0.00226	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08037	85	
OKGE	'REDBUD 345KV'	421.65	0.00226	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.08037	85	
OKGE	'ONE OAK 345KV'	261	0.00297	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.07966	86	
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00765	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.07854	87	
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00765	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.07498	91	
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02113	OKGE	'SLEEPING BEAR 34KV'	120	0.08619	-0.06506	105	
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02113	OKGE	'FPLWND2 34KV'	101.9968	0.08263	-0.0615	111	

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111206WP
 Date Redispatch Needed: 12/1/06 - 4/1/07
 Season Flowgate Identified: 2006 Winter Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1023236	2.9	7.3								
1032973	4.3	7.3								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	'MUSKOGEE 161KV'	31	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08929	81	
OKGE	'SEMINOLE 138KV'	395.2155	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08985	81	
OKGE	'SEMINOLE 345KV'	558.5093	0.00091	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08937	81	
OKGE	'HORSESHOE LAKE 138KV'	380	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	82	
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	82	
OKGE	'HORSESHOE LAKE 138KV'	91	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08834	82	
OKGE	'MCCLAIN 138KV'	42	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08856	82	
OKGE	'REDBUD 345KV'	900	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	82	

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

OKGE	REDBUD 345KV	421.65	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08805	82
OKGE	TINKER 5G 138KV	62	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08862	82
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08784	83
OKGE	MUSTANG 69KV	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08707	83
OKGE	'ONE OAK 345KV'	336	0.00294	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08734	83
OKGE	'SEMINOLE 138KV'	395.2155	0.00043	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08421	86
OKGE	MUSKOGEE 161KV	31	0.00099	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08365	87
OKGE	'SEMINOLE 345KV'	558.5093	0.00091	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08373	87
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00775	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.08253	88
OKGE	HORSESHOE LAKE 138KV	380.5	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	88
OKGE	HORSESHOE LAKE 138KV	380	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	88
OKGE	HORSESHOE LAKE 138KV	91	0.00194	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0827	88
OKGE	MCCLAIN 138KV	42	0.00172	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08292	88
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0822	88
OKGE	REDBUD 345KV	421.65	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	88
OKGE	REDBUD 345KV	900	0.00223	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08241	88
OKGE	TINKER 5G 138KV	62	0.00166	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08298	88
OKGE	MUSTANG 69KV	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08464	-0.08143	89
OKGE	'ONE OAK 345KV'	336	0.00294	OKGE	'FPLWND2 34KV'	102	0.08464	-0.0817	89
OKGE	'CONTINENTAL EMPIRE 138KV'	63	0.00775	OKGE	'FPLWND2 34KV'	102	0.08464	-0.07689	94
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'SLEEPING BEAR 34KV'	120	0.09028	-0.06879	106
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08464	-0.06315	115

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111207AP
 Date Redispatch Needed: Starting 2007 4/1 - 6/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 April Minimum

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	0.8	2.1							
1032973	1.2	2.1							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	AES 161KV	160	0.0006	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08967	23
OKGE	HORSESHOE LAKE 138KV	380	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	23
OKGE	HORSESHOE LAKE 138KV	91	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	23
OKGE	HORSESHOE LAKE 138KV	380.5	0.00194	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08833	23
OKGE	HORSESHOE LAKE 69KV	16	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08855	23
OKGE	MCCLAIN 138KV	520	0.00172	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08855	23
OKGE	MUSKOGEE 161KV	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08927	23
OKGE	MUSKOGEE 161KV	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08927	23
OKGE	MUSKOGEE 345KV	714.519	0.00097	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.0893	23
OKGE	'SEMINOLE 138KV'	507.6138	0.00043	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08984	23
OKGE	'SEMINOLE 345KV'	996.6	0.00092	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08935	23
OKGE	TINKER 5G 138KV	62	0.00166	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08861	23
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08783	24
OKGE	MUSTANG 69KV	106	0.00321	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08706	24
OKGE	'ONE OAK 345KV'	336	0.00295	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08732	24
OKGE	REDBUD 345KV	421.65	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08804	24
OKGE	REDBUD 345KV	900	0.00223	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08804	24
OKGE	'SMITH COGEN 138KV'	110	0.00228	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08799	24
OKGE	AES 161KV	160	0.0006	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08403	25
OKGE	HORSESHOE LAKE 138KV	91	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	25
OKGE	HORSESHOE LAKE 138KV	380.5	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	25
OKGE	HORSESHOE LAKE 138KV	380	0.00194	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08269	25
OKGE	HORSESHOE LAKE 69KV	16	0.00172	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08291	25
OKGE	MCCLAIN 138KV	520	0.00172	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08291	25
OKGE	MUSKOGEE 161KV	31	0.001	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08363	25
OKGE	MUSKOGEE 161KV	166	0.001	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08363	25
OKGE	MUSKOGEE 345KV	714.519	0.00097	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08366	25
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08219	25
OKGE	MUSTANG 69KV	106	0.00321	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08142	25
OKGE	'ONE OAK 345KV'	336	0.00295	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08168	25
OKGE	REDBUD 345KV	900	0.00223	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0824	25
OKGE	REDBUD 345KV	421.65	0.00223	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0824	25
OKGE	'SEMINOLE 138KV'	507.6138	0.00043	OKGE	'FPLWND2 34KV'	102	0.08463	-0.0842	25
OKGE	'SEMINOLE 345KV'	996.6	0.00092	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08371	25
OKGE	'SMITH COGEN 138KV'	110	0.00228	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08235	25
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.08347	25
OKGE	TINKER 5G 138KV	62	0.00166	OKGE	'FPLWND2 34KV'	102	0.08463	-0.08297	25
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	'FPLWND2 34KV'	102	0.08463	-0.07783	27
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'SLEEPING BEAR 34KV'	120	0.09027	-0.06878	30
OKGE	'SOUTH 4TH ST 69KV'	42.7	0.02149	OKGE	'FPLWND2 34KV'	102	0.08463	-0.06314	33

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111407SH
 Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount		Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	1.1	2.8							
1032973	1.7	2.8							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	HORSESHOE LAKE 138KV	380.5	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08834	32
OKGE	HORSESHOE LAKE 138KV	380	0.00195	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08834	32
OKGE	MCCLAIN 138KV	42	0.00175	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08854	32
OKGE	MUSKOGEE 161KV	166	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08929	32
OKGE	MUSKOGEE 161KV	31	0.001	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08929	32
OKGE	MUSKOGEE 345KV	20	0.00098	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08931	32
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	'SLEEPING BEAR 34KV'	120	0.09029	-0.08785	32

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

OKGE	ONE OAK 345KV	274	0.00295	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08734	32
OKGE	REDBUD 345KV	421.65	0.00224	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08805	32
OKGE	REDBUD 345KV	900	0.00224	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08805	32
OKGE	SEMINOLE 138KV	21.4325	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08985	32
OKGE	TINKER 5G 138KV	62	0.00167	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08862	32
OKGE	MUSTANG 69KV	55.60448	0.00321	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08708	33
OKGE	HORSESHOE LAKE 138KV	380	0.00195	OKGE	FPLWND2 34KV	102	0.08465	-0.0827	34
OKGE	HORSESHOE LAKE 138KV	380.5	0.00195	OKGE	FPLWND2 34KV	102	0.08465	-0.0827	34
OKGE	MCCLAIN 138KV	42	0.00175	OKGE	FPLWND2 34KV	102	0.08465	-0.0829	34
OKGE	MUSKOGEE 161KV	166	0.001	OKGE	FPLWND2 34KV	102	0.08465	-0.08365	34
OKGE	MUSKOGEE 161KV	31	0.001	OKGE	FPLWND2 34KV	102	0.08465	-0.08365	34
OKGE	MUSKOGEE 345KV	20	0.00098	OKGE	FPLWND2 34KV	102	0.08465	-0.08367	34
OKGE	MUSTANG 138KV	365.5	0.00244	OKGE	FPLWND2 34KV	102	0.08465	-0.08221	34
OKGE	REDBUD 345KV	421.65	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	34
OKGE	REDBUD 345KV	900	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	34
OKGE	SEMINOLE 138KV	21.4325	0.00044	OKGE	FPLWND2 34KV	102	0.08465	-0.08421	34
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08349	34
OKGE	TINKER 5G 138KV	62	0.00167	OKGE	FPLWND2 34KV	102	0.08465	-0.08298	34
OKGE	MUSTANG 69KV	55.60448	0.00321	OKGE	FPLWND2 34KV	102	0.08465	-0.08144	35
OKGE	ONE OAK 345KV	274	0.00295	OKGE	FPLWND2 34KV	102	0.08465	-0.0817	35
OKGE	SOONER 138KV	24.99997	0.0068	OKGE	FPLWND2 34KV	102	0.08465	-0.07785	36
OKGE	SOUTH 4TH ST 69KV	42.7	0.02149	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.0688	41
OKGE	SOUTH 4TH ST 69KV	42.7	0.02149	OKGE	FPLWND2 34KV	102	0.08465	-0.06316	45

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: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111407SP
 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	Redispatch Amount (MW)
1023236	4.6	11.4	OKGE	TINKER 5G 138KV	62	0.00167	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08862	129
1032973	6.8	11.4	OKGE	HORSESHOE LAKE 138KV	291.8916	0.00194	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08835	130
			OKGE	REDBUD 345KV	421.65	0.00224	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08805	130
			OKGE	REDBUD 345KV	900	0.00224	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08805	130
			OKGE	ONE OAK 345KV	261	0.00295	OKGE	SLEEPING BEAR 34KV	120	0.09029	-0.08734	131
			OKGE	MUSKOGEE 161KV	166	0.00099	OKGE	FPLWND2 34KV	102	0.08465	-0.08366	137
			OKGE	HORSESHOE LAKE 138KV	291.8916	0.00194	OKGE	FPLWND2 34KV	102	0.08465	-0.08271	138
			OKGE	TINKER 5G 138KV	62	0.00167	OKGE	FPLWND2 34KV	102	0.08465	-0.08298	138
			OKGE	REDBUD 345KV	421.65	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	139
			OKGE	REDBUD 345KV	900	0.00224	OKGE	FPLWND2 34KV	102	0.08465	-0.08241	139
			OKGE	ONE OAK 345KV	261	0.00295	OKGE	FPLWND2 34KV	102	0.08465	-0.0817	140

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: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Limiting Facility: HAMON BUTLER - MOREWOOD 69KV CKT 1
 Direction: From->To
 Line Outage: MOORELAND - MOREWOOD SW 138KV CKT 1
 Flowgate: 55942560001559995600111407SP
 Date Redispatch Needed: 12/1/07 - 4/1/08
 Season Flowgate Identified: 2007 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	Redispatch Amount (MW)
1023236	2.5	6.2	OKGE	AES 161KV	78.99999	0.00058	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0897	69
1032973	3.7	6.2	OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	69
			OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0893	69
			OKGE	SEMINOLE 138KV	305.394	0.00043	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08985	69
			OKGE	SEMINOLE 345KV	507.6	0.00091	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08937	69
			OKGE	TINKER 5G 138KV	62	0.00165	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08863	69
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00193	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08835	70
			OKGE	HORSESHOE LAKE 138KV	91	0.00193	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08835	70
			OKGE	HORSESHOE LAKE 138KV	380	0.00193	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08835	70
			OKGE	MCCLAIN 138KV	42	0.00173	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08855	70
			OKGE	MUSTANG 138KV	365.5	0.00242	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08786	70
			OKGE	ONE OAK 345KV	319	0.00294	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08734	70
			OKGE	REDBUD 345KV	421.65	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	70
			OKGE	REDBUD 345KV	900	0.00223	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08805	70
			OKGE	MUSTANG 69KV	106	0.00319	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.08709	71
			OKGE	AES 161KV	78.99999	0.00058	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08406	73
			OKGE	SEMINOLE 138KV	305.394	0.00043	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08421	73
			OKGE	HORSESHOE LAKE 138KV	380	0.00193	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08271	74
			OKGE	HORSESHOE LAKE 138KV	91	0.00193	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08271	74
			OKGE	HORSESHOE LAKE 138KV	380.5	0.00193	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08271	74
			OKGE	MCCLAIN 138KV	42	0.00173	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08291	74
			OKGE	MUSKOGEE 161KV	31	0.00098	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08366	74
			OKGE	MUSKOGEE 161KV	166	0.00098	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08366	74
			OKGE	SEMINOLE 345KV	507.6	0.00091	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08373	74
			OKGE	SOONER 138KV	24.99997	0.00678	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0835	74
			OKGE	TINKER 5G 138KV	62	0.00165	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08299	74
			OKGE	MUSTANG 138KV	365.5	0.00242	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08222	75
			OKGE	ONE OAK 345KV	319	0.00294	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.0817	75
			OKGE	REDBUD 345KV	421.65	0.00223	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08241	75
			OKGE	REDBUD 345KV	900	0.00223	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08241	75
			OKGE	MUSTANG 69KV	106	0.00319	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.08145	76
			OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	SLEEPING BEAR 34KV	120	0.09028	-0.0688	89
			OKGE	SOUTH 4TH ST 69KV	42.7	0.02148	OKGE	FPLWND2 34KV	101.9968	0.08464	-0.06316	97

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

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

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: MOORELAND 138/69KV TRANSFORMER CKT 1
 Direction: To->From
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 55995559991559995578511206SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount							Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	10.0	10.0										
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink		Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	FPLWND2 34KV		102	0.50459	-0.50514	20		
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50514	20		
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 138KV	380	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 138KV	91	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 138KV	380	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 138KV	91	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 69KV	16	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	20		
OKGE	HORSESHOE LAKE 69KV	16	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	20		
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	FPLWND2 34KV		102	0.50459	-0.50415	20		
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50415	20		
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	FPLWND2 34KV		102	0.50459	-0.50455	20		
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	FPLWND2 34KV		102	0.50459	-0.50455	20		
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50455	20		
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50455	20		
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	FPLWND2 34KV		102	0.50459	-0.50453	20		
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50453	20		
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	FPLWND2 34KV		102	0.50459	-0.50415	20		
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50415	20		
OKGE	MUSTANG 69KV	106	0.00049	OKGE	FPLWND2 34KV		102	0.50459	-0.50411	20		
OKGE	MUSTANG 69KV	106	0.00049	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50411	20		
OKGE	ONE OAK 345KV	293	0.00015	OKGE	FPLWND2 34KV		102	0.50459	-0.50444	20		
OKGE	ONE OAK 345KV	293	0.00015	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50444	20		
OKGE	REDBUD 345KV	253	0.00017	OKGE	FPLWND2 34KV		102	0.50459	-0.50442	20		
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	FPLWND2 34KV		102	0.50459	-0.50442	20		
OKGE	REDBUD 345KV	253	0.00017	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50442	20		
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50442	20		
OKGE	SEMINOLE 138KV	34.15036	0.00023	OKGE	FPLWND2 34KV		102	0.50459	-0.50436	20		
OKGE	SEMINOLE 138KV	34.15036	0.00023	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50436	20		
OKGE	SEMINOLE 345KV	385.6923	0.00023	OKGE	FPLWND2 34KV		102	0.50459	-0.50436	20		
OKGE	SEMINOLE 345KV	385.6923	0.00023	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50436	20		
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	FPLWND2 34KV		102	0.50459	-0.50497	20		
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50497	20		
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00198	OKGE	FPLWND2 34KV		102	0.50459	-0.50657	20		
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00198	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50657	20		
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	FPLWND2 34KV		102	0.50459	-0.50429	20		
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50429	20		

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: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: MOORELAND 138/69KV TRANSFORMER CKT 1
 Direction: To->From
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 55995559991559995578511406FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount							Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	20.1	20.1										
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink		Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)		
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	FPLWND2 34KV		102	0.50459	-0.50514	40		
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50514	40		
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 138KV	380	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 138KV	91	0.00027	OKGE	FPLWND2 34KV		102	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 138KV	380	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 138KV	91	0.00027	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50432	40		
OKGE	HORSESHOE LAKE 69KV	16	0.00026	OKGE	FPLWND2 34KV		102	0.50459	-0.50433	40		
OKGE	HORSESHOE LAKE 69KV	16	0.00026	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50433	40		
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	FPLWND2 34KV		102	0.50459	-0.50415	40		
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50415	40		
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	FPLWND2 34KV		102	0.50459	-0.50455	40		
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	FPLWND2 34KV		102	0.50459	-0.50455	40		
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50455	40		
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50455	40		
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	FPLWND2 34KV		102	0.50459	-0.50453	40		
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50453	40		
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	FPLWND2 34KV		102	0.50459	-0.50415	40		
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50415	40		
OKGE	MUSTANG 69KV	106	0.00049	OKGE	FPLWND2 34KV		102	0.50459	-0.50411	40		
OKGE	MUSTANG 69KV	106	0.00049	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50411	40		
OKGE	ONE OAK 345KV	336	0.00015	OKGE	FPLWND2 34KV		102	0.50459	-0.50444	40		
OKGE	ONE OAK 345KV	336	0.00015	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50444	40		
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	FPLWND2 34KV		102	0.50459	-0.50442	40		
OKGE	REDBUD 345KV	900	0.00017	OKGE	FPLWND2 34KV		102	0.50459	-0.50442	40		
OKGE	REDBUD 345KV	900	0.00017	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50442	40		
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50442	40		
OKGE	SEMINOLE 138KV	241.6956	0.00023	OKGE	FPLWND2 34KV		102	0.50459	-0.50436	40		
OKGE	SEMINOLE 138KV	241.6956	0.00023	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50436	40		
OKGE	SEMINOLE 345KV	507.6	0.00023	OKGE	FPLWND2 34KV		102	0.50459	-0.50436	40		
OKGE	SEMINOLE 345KV	507.6	0.00023	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50436	40		
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	FPLWND2 34KV		102	0.50459	-0.50497	40		
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	SLEEPING BEAR 34KV		120	0.50459	-0.50497	40		
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00199	OKGE	FPLWND2 34KV		102	0.50459	-0.50658	40		

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

OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50658	40
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	40
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	40

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
 Direction: To->From
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 55995560961559995578511106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount							
1032973	13.7	13.7							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	27
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	27
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	27
OKGE	'HORSESHOE LAKE 69KV'	16	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	27
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	27
OKGE	'MCCLAIN 138KV'	42	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	27
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	27
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	27
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	27
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	27
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	27
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	27
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50415	27
OKGE	'MUSTANG 138KV'	365.5	0.00044	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50415	27
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50411	27
OKGE	'MUSTANG 69KV'	106	0.00049	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50411	27
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50444	27
OKGE	'ONE OAK 345KV'	236	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	27
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	27
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	27
OKGE	'REDBUD 345KV'	460	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	27
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	27
OKGE	'SEMINOLE 138KV'	47.215	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	27
OKGE	'SEMINOLE 138KV'	47.215	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	27
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	27
OKGE	'SEMINOLE 345KV'	406.08	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	27
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	27
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	27
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50657	27
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00198	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50657	27
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50429	27
OKGE	'TINKER 5G 138KV'	62	0.0003	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50429	27

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
 Direction: To->From
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 55995560961559995578511206FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1032973	21.4	21.4							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50514	42
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00055	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50514	42
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	42
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50455	42
OKGE	'MUSKOGEE 161KV'	166	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	42
OKGE	'MUSKOGEE 161KV'	31	0.00004	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50455	42
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50453	42
OKGE	'MUSKOGEE 345KV'	20	0.00006	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50453	42
OKGE	'ONE OAK 345KV'	336	0.00015	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50444	42
OKGE	'ONE OAK 345KV'	336	0.00015	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50444	42
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	42
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50442	42
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	42
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50442	42
OKGE	'SEMINOLE 138KV'	243.9512	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	42
OKGE	'SEMINOLE 138KV'	243.9512	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	42
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50436	42
OKGE	'SEMINOLE 345KV'	507.6	0.00023	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50436	42
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50497	42
OKGE	'SOONER 138KV'	24.99997	-0.00038	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50497	42
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50658	42
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00199	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50658	42
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	91	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00027	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50432	43
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'FPLWND2 34KV'	102	0.50459	-0.50433	43
OKGE	'HORSESHOE LAKE 69KV'	16	0.00026	OKGE	'SLEEPING BEAR 34KV'	120	0.50459	-0.50433	43

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

OKGE	MCCLAIN 138KV	42	0.00044	OKGE	FPLWND2 34KV	102	0.50459	-0.50415	43
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50415	43
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	FPLWND2 34KV	102	0.50459	-0.50415	43
OKGE	MUSTANG 138KV	365.5	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50415	43
OKGE	MUSTANG 69KV	106	0.00049	OKGE	FPLWND2 34KV	102	0.50459	-0.5041	43
OKGE	MUSTANG 69KV	106	0.00049	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.5041	43
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	FPLWND2 34KV	102	0.50459	-0.50429	43
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50429	43

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: MOORELAND - WOODWARD 69KV CKT 1
 Direction: To->From
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 55995560961559995578511206SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount			Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	0.1	0.1										
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50514	1			
OKGE	CONTINENTAL EMPIRE 138KV	63	-0.00055	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50514	1			
OKGE	HORSESHOE LAKE 138KV	337.7	0.00027	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50432	1			
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50432	1			
OKGE	HORSESHOE LAKE 138KV	337.7	0.00027	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50432	1			
OKGE	HORSESHOE LAKE 138KV	380.5	0.00027	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50432	1			
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50415	1			
OKGE	MCCLAIN 138KV	42	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50415	1			
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50455	1			
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50455	1			
OKGE	MUSKOGEE 161KV	166	0.00004	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50455	1			
OKGE	MUSKOGEE 161KV	31	0.00004	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50455	1			
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50453	1			
OKGE	MUSKOGEE 345KV	20	0.00006	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50453	1			
OKGE	MUSTANG 138KV	142.3459	0.00044	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50415	1			
OKGE	MUSTANG 138KV	142.3459	0.00044	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50415	1			
OKGE	ONE OAK 345KV	261	0.00015	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50444	1			
OKGE	ONE OAK 345KV	261	0.00015	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50444	1			
OKGE	REDBUD 345KV	253	0.00017	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50442	1			
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50442	1			
OKGE	REDBUD 345KV	253	0.00017	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50442	1			
OKGE	REDBUD 345KV	421.65	0.00017	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50442	1			
OKGE	SEMINOLE 138KV	21.7803	0.00023	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50436	1			
OKGE	SEMINOLE 138KV	21.7803	0.00023	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50436	1			
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50497	1			
OKGE	SOONER 138KV	24.99997	-0.00038	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50497	1			
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00198	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50657	1			
OKGE	SOUTH 4TH ST 69KV	42.7	-0.00198	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50657	1			
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	FPLWND2 34KV	101.9968	0.50459	-0.50429	1			
OKGE	TINKER 5G 138KV	62	0.0003	OKGE	SLEEPING BEAR 34KV	120	0.50459	-0.50429	1			

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 56096547821559995578511106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount			Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	80.2	80.2										
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	MUSTANG 138KV	365.5	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	MUSTANG 138KV	365.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	MUSTANG 69KV	106	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	MUSTANG 69KV	106	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	ONE OAK 345KV	236	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	ONE OAK 345KV	236	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	REDBUD 345KV	460	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	REDBUD 345KV	460	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	SEMINOLE 138KV	47.215	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	SEMINOLE 138KV	47.215	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	SEMINOLE 345KV	406.08	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	SEMINOLE 345KV	406.08	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	102	1	-1	80			
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	80			

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

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

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 56096547821559995578511206FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	71.9	71.9								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	91	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	HORSESHOE LAKE 138KV	380	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	MUSTANG 138KV	365.5	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	MUSTANG 138KV	365.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	MUSTANG 69KV	106	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	MUSTANG 69KV	106	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	ONE OAK 345KV	336	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	ONE OAK 345KV	336	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	REDBUD 345KV	900	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	REDBUD 345KV	900	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	SEMINOLE 138KV	243.9512	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	SEMINOLE 138KV	243.9512	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	SEMINOLE 345KV	507.6	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	SEMINOLE 345KV	507.6	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	SOONER 138KV	24.99997	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	SOONER 138KV	24.99997	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	
OKGE	TINKER 5G 138KV	62	0	OKGE	FPLWND2 34KV	102	1	-1	72	
OKGE	TINKER 5G 138KV	62	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	72	

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

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD - WOODWARD 69KV CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: 56096547821559995578511406SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount								
1032973	71.0	71.0								
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	CONTINENTAL EMPIRE 138KV	63	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	HORSESHOE LAKE 138KV	337.7	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	HORSESHOE LAKE 138KV	337.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	HORSESHOE LAKE 138KV	380.5	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	MUSTANG 138KV	144.3298	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	MUSTANG 138KV	144.3298	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	ONE OAK 345KV	261	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	ONE OAK 345KV	261	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	REDBUD 345KV	253	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	REDBUD 345KV	253	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	SOONER 138KV	24.99997	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	SOONER 138KV	24.99997	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	101.9968	1	-1	71	
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	71	

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

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: WODODWRD21421559995578511106FA
 Date Redispatch Needed: 10/1/06 - 12/1/06
 Season Flowgate Identified: 2006 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	82.2	82.2

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

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	REDBUD 345KV'	900	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	REDBUD 345KV'	900	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	SEMINOLE 138KV'	262.1816	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	SEMINOLE 138KV'	262.1816	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	SEMINOLE 345KV'	507.6	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	SEMINOLE 345KV'	507.6	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82
OKGE	TINKER 5G 138KV'	62	0	OKGE	'FPLWND2 34KV'	102	1	-1	82
OKGE	TINKER 5G 138KV'	62	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	82

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: WODODWRD21421559995578511106SH
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Shoulder

Reservation	Relief Amount	Aggregate Relief Amount
1032973	83.2	83.2

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	91	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	380	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	380	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	HORSESHOE LAKE 138KV'	91	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	MCCLAIN 138KV'	42	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	MCCLAIN 138KV'	42	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	MUSKOGEE 161KV'	166	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	MUSKOGEE 161KV'	31	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	MUSTANG 138KV'	365.5	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	MUSTANG 138KV'	365.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	MUSTANG 69KV'	106	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	MUSTANG 69KV'	106	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	ONE OAK 345KV'	236	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	ONE OAK 345KV'	236	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	REDBUD 345KV'	421.65	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	REDBUD 345KV'	460	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	REDBUD 345KV'	460	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	REDBUD 345KV'	421.65	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	SEMINOLE 138KV'	47.215	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	SEMINOLE 138KV'	47.215	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	SEMINOLE 345KV'	406.08	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	SEMINOLE 345KV'	406.08	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'FPLWND2 34KV'	102	1	-1	83
OKGE	SOUTH 4TH ST 69KV'	42.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	83

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: IODINE - WOODWARD 138KV CKT 1
 Limiting Facility: WOODWARD (WOODWRD2) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: FPL SWITCH - MOORELAND 138KV CKT 1
 Flowgate: WODODWRD21421559995578511106SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount
1032973	81.3	81.3

Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	CONTINENTAL EMPIRE 138KV'	63	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	HORSESHOE LAKE 138KV'	337.7	0	OKGE	'FPLWND2 34KV'	101.9968	1	-1	81
OKGE	HORSESHOE LAKE 138KV'	380.5	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81
OKGE	HORSESHOE LAKE 138KV'	337.7	0	OKGE	'SLEEPING BEAR 34KV'	120	1	-1	81

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

OKGE	MCCLAIN 138KV	42	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	MCCLAIN 138KV	42	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	MUSKOGEE 161KV	166	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	MUSKOGEE 161KV	31	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	MUSKOGEE 161KV	166	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	MUSKOGEE 161KV	31	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	MUSTANG 138KV	147.8137	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	MUSTANG 138KV	147.8137	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	ONE OAK 345KV	204	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	ONE OAK 345KV	204	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	REDBUD 345KV	421.65	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	REDBUD 345KV	460	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	REDBUD 345KV	460	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	REDBUD 345KV	421.65	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	FPLWND2 34KV	101.9968	1	-1	81
OKGE	SOUTH 4TH ST 69KV	42.7	0	OKGE	SLEEPING BEAR 34KV	120	1	-1	81

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: CLEO CORNER - GLASS MOUNTAIN 138KV CKT 1
 Flowgate: KNOOBHIL41421547785478811307SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	3.1	8.2							
1032973	5.1	8.2							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0368	OKGE	FPLWND2 34KV	102	0.12343	-0.16023	51
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0368	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.1494	55
OKGE	SOONER 138KV	24.99997	-0.00627	OKGE	FPLWND2 34KV	102	0.12343	-0.1297	63
OKGE	MUSKOGEE 161KV	166	-0.00016	OKGE	FPLWND2 34KV	102	0.12343	-0.12359	66
OKGE	MUSKOGEE 161KV	31	-0.00016	OKGE	FPLWND2 34KV	102	0.12343	-0.12359	66
OKGE	ONE OAK 345KV	179	-0.00018	OKGE	FPLWND2 34KV	102	0.12343	-0.12361	66
OKGE	REDBUD 345KV	900	0.00028	OKGE	FPLWND2 34KV	102	0.12343	-0.12315	66
OKGE	REDBUD 345KV	421.65	0.00028	OKGE	FPLWND2 34KV	102	0.12343	-0.12315	66
OKGE	HORSESHOE LAKE 138KV	293.7871	0.00116	OKGE	FPLWND2 34KV	102	0.12343	-0.12227	67
OKGE	MCCLAIN 138KV	42	0.00235	OKGE	FPLWND2 34KV	102	0.12343	-0.12108	67
OKGE	TINKER 5G 138KV	62	0.0015	OKGE	FPLWND2 34KV	102	0.12343	-0.12193	67
OKGE	SOONER 138KV	24.99997	-0.00627	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11887	69
OKGE	MUSKOGEE 161KV	166	-0.00016	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11276	72
OKGE	MUSKOGEE 161KV	31	-0.00016	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11276	72
OKGE	ONE OAK 345KV	179	-0.00018	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11278	72
OKGE	HORSESHOE LAKE 138KV	293.7871	0.00116	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11144	73
OKGE	REDBUD 345KV	421.65	0.00028	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11232	73
OKGE	REDBUD 345KV	900	0.00028	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11232	73
OKGE	TINKER 5G 138KV	62	0.0015	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11111	73
OKGE	MCCLAIN 138KV	42	0.00235	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11025	74

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: GLASS MOUNTAIN - MOORELAND 138KV CKT 1
 Flowgate: KNOOBHIL41421547885599911307SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	3.3	8.8							
1032973	5.5	8.8							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0368	OKGE	FPLWND2 34KV	102	0.12343	-0.16023	55
OKGE	SOUTH 4TH ST 69KV	42.7	-0.0368	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.1494	59
OKGE	SOONER 138KV	24.99997	-0.00627	OKGE	FPLWND2 34KV	102	0.12343	-0.1297	68
OKGE	HORSESHOE LAKE 138KV	293.7871	0.00116	OKGE	FPLWND2 34KV	102	0.12343	-0.12227	72
OKGE	MUSKOGEE 161KV	31	-0.00016	OKGE	FPLWND2 34KV	102	0.12343	-0.12359	72
OKGE	MUSKOGEE 161KV	166	-0.00016	OKGE	FPLWND2 34KV	102	0.12343	-0.12359	72
OKGE	ONE OAK 345KV	179	-0.00018	OKGE	FPLWND2 34KV	102	0.12343	-0.12361	72
OKGE	REDBUD 345KV	900	0.00028	OKGE	FPLWND2 34KV	102	0.12343	-0.12315	72
OKGE	REDBUD 345KV	421.65	0.00028	OKGE	FPLWND2 34KV	102	0.12343	-0.12315	72
OKGE	TINKER 5G 138KV	62	0.0015	OKGE	FPLWND2 34KV	102	0.12343	-0.12193	72
OKGE	MCCLAIN 138KV	42	0.00235	OKGE	FPLWND2 34KV	102	0.12343	-0.12108	73
OKGE	SOONER 138KV	24.99997	-0.00627	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11887	74
OKGE	MUSKOGEE 161KV	31	-0.00016	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11276	78
OKGE	MUSKOGEE 161KV	166	-0.00016	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11276	78
OKGE	ONE OAK 345KV	179	-0.00018	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11278	78
OKGE	HORSESHOE LAKE 138KV	293.7871	0.00116	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11144	79
OKGE	REDBUD 345KV	900	0.00028	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11232	79
OKGE	REDBUD 345KV	421.65	0.00028	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11232	79
OKGE	MCCLAIN 138KV	42	0.00235	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11025	80
OKGE	TINKER 5G 138KV	62	0.0015	OKGE	SLEEPING BEAR 34KV	120	0.1126	-0.11111	80

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: OKGEMTL-5
 Flowgate: KNOOBHIL41421OKGEMTL-51306SP
 Date Redispatch Needed: 6/1/06 - 10/1/06
 Season Flowgate Identified: 2006 Summer Peak

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

Reservation	Relief Amount	Aggregate Relief Amount							
1032973	0.2	0.2							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.13756	1
WFEC	'ANADARKO 138KV'	90	0.00539	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09034	2
WFEC	'ANADARKO 138KV'	3.150276	0.00539	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09034	2
WFEC	'ANADARKO 69KV'	76	0.00519	WFEC	'MORLND 138KV'	260.8777	0.09573	-0.09054	2
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00598	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.10163	2
OKGE	'CONTINENTAL EMPIRE 138KV'	63	-0.00598	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09622	2
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00073	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09492	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00073	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09492	2
OKGE	'HORSESHOE LAKE 138KV'	337.7	0.00073	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08951	2
OKGE	'HORSESHOE LAKE 138KV'	380.5	0.00073	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08951	2
OKGE	'MCCLAIN 138KV'	42	0.00158	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09407	2
OKGE	'MCCLAIN 138KV'	42	0.00158	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08866	2
OKGE	'MUSKOGEE 161KV'	166	-0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09579	2
OKGE	'MUSKOGEE 161KV'	31	-0.00014	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09579	2
OKGE	'MUSKOGEE 161KV'	166	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09038	2
OKGE	'MUSKOGEE 161KV'	31	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09038	2
OKGE	'MUSTANG 138KV'	147.3059	0.00139	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09426	2
OKGE	'MUSTANG 138KV'	147.3059	0.00139	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08885	2
OMPA	'OMPA-FAIRVIEW 69KV'	1.8	-0.10568	OMPA	'OMPA-KINGFISHER BOWMAN 69KV'	19.7	0.00179	-0.10747	2
OMPA	'OMPA-FAIRVIEW 69KV'	1.8	-0.10568	OMPA	'OMPA-PONCA CITY 69KV'	93.64704	-0.00635	-0.09933	2
OKGE	'ONE OAK 345KV'	204	-0.00021	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09586	2
OKGE	'ONE OAK 345KV'	204	-0.00021	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09045	2
OKGE	'REDBUD 345KV'	460	0.00013	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09552	2
OKGE	'REDBUD 345KV'	421.65	0.00013	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09552	2
OKGE	'REDBUD 345KV'	421.65	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09011	2
OKGE	'REDBUD 345KV'	460	0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09011	2
OKGE	'SEMINOLE 138KV'	17.47644	0.00096	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09469	2
OKGE	'SEMINOLE 138KV'	17.47644	0.00096	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08928	2
OKGE	'SOONER 138KV'	24.99997	-0.00433	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09998	2
OKGE	'SOONER 138KV'	24.99997	-0.00433	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.09457	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.13215	2
OKGE	'TINKER 5G 138KV'	62	0.00093	OKGE	'FPLWND2 34KV'	101.9968	0.09565	-0.09472	2
OKGE	'TINKER 5G 138KV'	62	0.00093	OKGE	'SLEEPING BEAR 34KV'	120	0.09024	-0.08931	2
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MCCLAIN 138KV'	478	0.00158	-0.04349	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSKOGEE 345KV'	1516	-0.00006	-0.04185	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSTANG 138KV'	218.1941	0.00139	-0.0433	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'MUSTANG 69KV'	106	0.00159	-0.0435	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'ONE OAK 345KV'	132	-0.00021	-0.0417	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'REDBUD 345KV'	440	0.00013	-0.04204	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SEMINOLE 138KV'	487.5236	0.00096	-0.04287	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SEMINOLE 345KV'	996	0.00081	-0.04272	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SMITH COGEN 138KV'	110	0.00134	-0.04325	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SOONER 138KV'	505	-0.00433	-0.03758	5
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04191	OKGE	'SOONER 345KV'	513	-0.0028	-0.03911	5

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: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Limiting Facility: KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1
 Direction: From->To
 Line Outage: OKGEMTL-5
 Flowgate: KNOOBHIL41421OKGEMTL-54307SP
 Date Redispatch Needed: 6/1/07 - 10/1/07
 Season Flowgate Identified: 2007 Summer Peak

Reservation	Relief Amount	Aggregate Relief Amount							
1023236	0.5	1.5							
1032973	0.9	1.5							
Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'FPLWND2 34KV'	102	0.09159	-0.13388	11
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.12417	12
OKGE	'SOONER 138KV'	24.99997	-0.00436	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09595	15
OKGE	'HORSESHOE LAKE 138KV'	293.7871	0.00076	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09083	16
OKGE	'MCCLAIN 138KV'	42	0.00155	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09004	16
OKGE	'MUSKOGEE 161KV'	166	-0.00013	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09172	16
OKGE	'MUSKOGEE 161KV'	31	-0.00013	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09172	16
OKGE	'MUSKOGEE 345KV'	20	-0.00007	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09166	16
OKGE	'ONE OAK 345KV'	204	-0.00014	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09173	16
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09142	16
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'FPLWND2 34KV'	102	0.09159	-0.09142	16
OKGE	'SEMINOLE 138KV'	20.03766	0.00099	OKGE	'FPLWND2 34KV'	102	0.09159	-0.0906	16
OKGE	'TINKER 5G 138KV'	62	0.00099	OKGE	'FPLWND2 34KV'	102	0.09159	-0.0906	16
OKGE	'SOONER 138KV'	24.99997	-0.00436	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08624	17
OKGE	'HORSESHOE LAKE 138KV'	293.7871	0.00076	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08112	18
OKGE	'MCCLAIN 138KV'	42	0.00155	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08033	18
OKGE	'MUSKOGEE 161KV'	31	-0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08201	18
OKGE	'MUSKOGEE 161KV'	166	-0.00013	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08201	18
OKGE	'MUSKOGEE 345KV'	20	-0.00007	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08195	18
OKGE	'ONE OAK 345KV'	204	-0.00014	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08202	18
OKGE	'REDBUD 345KV'	421.65	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08171	18
OKGE	'REDBUD 345KV'	900	0.00017	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08171	18
OKGE	'SEMINOLE 138KV'	20.03766	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08089	18
OKGE	'TINKER 5G 138KV'	62	0.00099	OKGE	'SLEEPING BEAR 34KV'	120	0.08188	-0.08089	18
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MCCLAIN 138KV'	478	0.00155	-0.04384	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSTANG 138KV'	365.5	0.00148	-0.04377	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSTANG 69KV'	106	0.00169	-0.04398	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SMITH COGEN 138KV'	110	0.00144	-0.04373	33
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'AES 161KV'	320	-0.00001	-0.04228	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	380	0.00076	-0.04305	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	86.71289	0.00076	-0.04305	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 138KV'	91	0.00076	-0.04305	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'HORSESHOE LAKE 69KV'	16	0.00079	-0.04308	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'MUSKOGEE 345KV'	1516	-0.00007	-0.04222	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SEMINOLE 138KV'	484.9624	0.00099	-0.04328	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SEMINOLE 345KV'	996	0.00085	-0.04314	34
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'ONE OAK 345KV'	132	-0.00014	-0.04215	35
OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SOONER 345KV'	513	-0.00281	-0.03948	37

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

OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.04229	OKGE	'SOONER 138KV'	505	-0.00436	-0.03793	38
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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: 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	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1023236	2.8	2.8	AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.35647	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.35507	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.35506	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'EASTMAN 138KV'	355	-0.01329	-0.34742	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'FITZHUGH 161KV'	126	-0.00242	-0.35829	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'KNOXLEE 138KV'	284	-0.00944	-0.35127	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'LEBROCK 345KV'	365	-0.01842	-0.34229	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00393	-0.35678	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00393	-0.35678	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.35678	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'OEC 345KV'	269	-0.00412	-0.35659	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'PIRKEY GENERATION 138KV'	248	-0.02472	-0.33599	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'RIVERSIDE STATION 138KV'	669	-0.00425	-0.35646	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'SOUTHWESTERN STATION 138KV'	355	-0.00558	-0.35513	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'TULSA POWER STATION 138KV'	112	-0.00421	-0.3565	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.3565	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WEELETKA 138KV'	70	-0.00513	-0.35558	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WELSH 345KV'	990	-0.01281	-0.3479	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WILKES 138KV'	388.4218	-0.02872	-0.33199	8
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'WILKES 345KV'	311	-0.01662	-0.34409	8
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'FITZHUGH 161KV'	126	-0.00242	-0.20952	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 138KV'	405	-0.00393	-0.20801	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 138KV'	95	-0.00393	-0.20801	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'NORTHEASTERN STATION 345KV'	645	-0.00391	-0.20803	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'OEC 345KV'	269	-0.00412	-0.20782	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'TULSA POWER STATION 138KV'	112	-0.00421	-0.20773	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'TULSA POWER STATION 138KV'	147	-0.00421	-0.20773	13
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COGENTRIX 345KV'	200	-0.00424	-0.2077	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COMANCHE 138KV'	160	-0.00564	-0.2063	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'COMANCHE 69KV'	63	-0.00565	-0.20629	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'EASTMAN 138KV'	355	-0.01329	-0.19865	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'KNOXLEE 138KV'	284	-0.00944	-0.2025	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'LEBROCK 345KV'	365	-0.01842	-0.19352	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'RIVERSIDE STATION 138KV'	669	-0.00425	-0.20769	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'SOUTHWESTERN STATION 138KV'	355	-0.00558	-0.20636	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WEELETKA 138KV'	70	-0.00513	-0.20681	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WELSH 345KV'	990	-0.01281	-0.19913	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WILKES 345KV'	311	-0.01662	-0.19532	14
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'PIRKEY GENERATION 138KV'	248	-0.02472	-0.18722	15
			AEPW	'LIEBERMAN 138KV'	137	-0.21194	AEPW	'WILKES 138KV'	388.4218	-0.02872	-0.18322	15
			AEPW	'ARSENAL HILL 69KV'	75	-0.36071	AEPW	'LIEBERMAN 138KV'	91	-0.21194	-0.14877	19

Maximum Decrement and Maximum Increment were determine from the 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: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Limiting Facility: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Direction: To->From
 Line Outage: CIMARRON - CZECH HALL 138KV CKT 1
 Flowgate: 54925548871548985489412307FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1032973	4.5	4.5	OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.53475	8
			OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.4893	9
			OKGE	'MUSTANG 69KV'	106	-0.15652	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.47846	9
			OKGE	'HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
			OKGE	'HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
			OKGE	'HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37687	12
			OKGE	'HORSESHOE LAKE 69KV'	16	-0.05468	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.37662	12
			OKGE	'ONE OAK 345KV'	236	-0.01201	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33395	13
			OKGE	'REDBUD 345KV'	900	-0.01473	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33667	13
			OKGE	'REDBUD 345KV'	421.65	-0.01473	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33667	13
			OKGE	'TINKER 5G 138KV'	62	-0.03232	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.35426	13
			OKGE	'CONTINENTAL EMPIRE 138KV'	64	-0.00716	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.3291	14
			OKGE	'MUSKOGEE 161KV'	166	-0.00241	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32435	14
			OKGE	'MUSKOGEE 161KV'	31	-0.00241	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32435	14
			OKGE	'MUSKOGEE 345KV'	20	-0.00225	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32419	14
			OKGE	'SEMINOLE 138KV'	47.69101	0.00867	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.31327	14
			OKGE	'SEMINOLE 345KV'	406.08	0.00924	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.3127	14
			OKGE	'SOONER 138KV'	24.99997	-0.00825	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.33019	14
			OKGE	'SOUTH 4TH ST 69KV'	42.7	-0.00605	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.32799	14
			OKGE	'WOODWARD 24KV'	9.3	0.0058	OKGE	'MCCLAIN 138KV'	478	0.32194	-0.31614	14
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SEMINOLE 138KV'	457.309	0.00867	-0.22148	20
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.22205	20
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'AES 161KV'	320	-0.00018	-0.21263	21
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'FPLWIND2 34KV'	43.0032	0.0052	-0.21801	21
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'MUSKOGEE 345KV'	1516	-0.00225	-0.21056	21
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'ONE OAK 345KV'	100	-0.01201	-0.2008	22
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SOONER 138KV'	505	-0.00825	-0.20456	22
			OKGE	'SMITH COGEN 138KV'	110	-0.21281	OKGE	'SOONER 345KV'	513	-0.00735	-0.20546	22
			OKGE	'MUSTANG 138KV'	365.5	-0.16736	OKGE	'SEMINOLE 345KV'	590.52	0.00924	-0.1766	25

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

OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.17256	26
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.17603	26
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	AES 161KV'	320	-0.00018	-0.16718	27
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.16511	27
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.16519	27
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	SEMINOLE 345KV'	590.52	0.00924	-0.16576	27
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	SOONER 138KV'	505	-0.00825	-0.15911	28
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	SOONER 345KV'	513	-0.00735	-0.16001	28
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.16172	28
OKGE	MUSTANG 138KV'	365.5	-0.16736	OKGE	ONE OAK 345KV'	100	-0.01201	-0.15535	29
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	AES 161KV'	320	-0.00018	-0.15634	29
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.15427	29
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	SOONER 138KV'	505	-0.00825	-0.14827	30
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	SOONER 345KV'	513	-0.00735	-0.14917	30
OKGE	MUSTANG 69KV'	106	-0.15652	OKGE	ONE OAK 345KV'	100	-0.01201	-0.14451	31
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	SEMINOLE 345KV'	590.52	0.00924	-0.06417	70
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.0636	71
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.0636	71
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.0636	71
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.06013	75
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	AES 161KV'	320	-0.00018	-0.05475	82
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	AES 161KV'	320	-0.00018	-0.05475	82
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	AES 161KV'	320	-0.00018	-0.05475	82
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.05268	85
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.05268	85
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.05268	85
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	SOONER 345KV'	513	-0.00735	-0.04758	94
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	SOONER 138KV'	505	-0.00825	-0.04668	96
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	SOONER 138KV'	505	-0.00825	-0.04668	96
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	SOONER 138KV'	505	-0.00825	-0.04668	96
OKGE	HORSESHOE LAKE 138KV'	91	-0.05493	OKGE	ONE OAK 345KV'	100	-0.01201	-0.04292	105
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.05493	OKGE	ONE OAK 345KV'	100	-0.01201	-0.04292	105
OKGE	HORSESHOE LAKE 138KV'	380	-0.05493	OKGE	ONE OAK 345KV'	100	-0.01201	-0.04292	105
OKGE	TINKER 5G 138KV'	62	-0.03232	OKGE	SEMINOLE 345KV'	590.52	0.00924	-0.04156	108
OKGE	TINKER 5G 138KV'	62	-0.03232	OKGE	SEMINOLE 138KV'	457.309	0.00867	-0.04099	110
OKGE	TINKER 5G 138KV'	62	-0.03232	OKGE	FPLWND2 34KV'	43.0032	0.0052	-0.03752	120
OKGE	TINKER 5G 138KV'	62	-0.03232	OKGE	AES 161KV'	320	-0.00018	-0.03214	140
OKGE	TINKER 5G 138KV'	62	-0.03232	OKGE	MUSKOGEE 345KV'	1516	-0.00225	-0.03007	149

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: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Limiting Facility: PENNSYLVANIA - WESTMOORE 138KV CKT 1
 Direction: To->From
 Line Outage: HOLLYWOOD - INDIAN HILLS 138KV CKT 1
 Flowgate: 5492548871549535495412307FA
 Date Redispatch Needed: Starting 2007 10/1 - 12/1 Until EOC of Upgrade
 Season Flowgate Identified: 2007 Fall Peak

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
977481	0.8	0.8										
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	MCCLAIN 138KV'	478	0.35498	-0.54727	1			
OKGE	CONTINENTAL EMPIRE 138KV'	64	-0.01233	OKGE	MCCLAIN 138KV'	478	0.35498	-0.36731	2			
OKGE	HORSESHOE LAKE 138KV'	91	-0.0583	OKGE	MCCLAIN 138KV'	478	0.35498	-0.41328	2			
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	MCCLAIN 138KV'	478	0.35498	-0.41328	2			
OKGE	HORSESHOE LAKE 138KV'	380	-0.0583	OKGE	MCCLAIN 138KV'	478	0.35498	-0.41328	2			
OKGE	HORSESHOE LAKE 69KV'	16	-0.0583	OKGE	MCCLAIN 138KV'	478	0.35498	-0.41098	2			
OKGE	MUSKOGEE 161KV'	166	-0.0016	OKGE	MCCLAIN 138KV'	478	0.35498	-0.35658	2			
OKGE	MUSKOGEE 161KV'	31	-0.0016	OKGE	MCCLAIN 138KV'	478	0.35498	-0.35658	2			
OKGE	MUSKOGEE 345KV'	20	-0.00178	OKGE	MCCLAIN 138KV'	478	0.35498	-0.35676	2			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	MCCLAIN 138KV'	478	0.35498	-0.49036	2			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	MCCLAIN 138KV'	478	0.35498	-0.4947	2			
OKGE	ONE OAK 345KV'	236	-0.01875	OKGE	MCCLAIN 138KV'	478	0.35498	-0.37373	2			
OKGE	REDBUD 345KV'	421.65	-0.01763	OKGE	MCCLAIN 138KV'	478	0.35498	-0.37261	2			
OKGE	REDBUD 345KV'	900	-0.01763	OKGE	MCCLAIN 138KV'	478	0.35498	-0.37261	2			
OKGE	SEMINOLE 138KV'	47.69101	0.01443	OKGE	MCCLAIN 138KV'	478	0.35498	-0.34055	2			
OKGE	SEMINOLE 345KV'	406.08	0.01418	OKGE	MCCLAIN 138KV'	478	0.35498	-0.3408	2			
OKGE	SOONER 138KV'	24.99997	-0.01389	OKGE	MCCLAIN 138KV'	478	0.35498	-0.36887	2			
OKGE	SOUTH 4TH ST 69KV'	42.7	-0.01312	OKGE	MCCLAIN 138KV'	478	0.35498	-0.3681	2			
OKGE	TINKER 5G 138KV'	62	-0.02998	OKGE	MCCLAIN 138KV'	478	0.35498	-0.38496	2			
OKGE	WOODWARD 24KV'	9.3	-0.00592	OKGE	MCCLAIN 138KV'	478	0.35498	-0.3609	2			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	AES 161KV'	320	0.00089	-0.19318	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	FPLWND2 34KV'	43.0032	-0.00582	-0.18647	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	MUSKOGEE 345KV'	1516	-0.00178	-0.19051	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	SEMINOLE 138KV'	457.309	0.01443	-0.20672	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	SEMINOLE 345KV'	590.52	0.01418	-0.20647	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	SOONER 138KV'	505	-0.01389	-0.1784	4			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	SOONER 345KV'	513	-0.01395	-0.17834	4			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	SEMINOLE 138KV'	457.309	0.01443	-0.14981	5			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	SEMINOLE 345KV'	590.52	0.01418	-0.14956	5			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	SEMINOLE 138KV'	457.309	0.01443	-0.15415	5			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	SEMINOLE 345KV'	590.52	0.01418	-0.1539	5			
OKGE	SMITH COGEN 138KV'	110	-0.19229	OKGE	ONE OAK 345KV'	100	-0.01875	-0.17354	5			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	AES 161KV'	320	0.00089	-0.13627	6			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	FPLWND2 34KV'	43.0032	-0.00582	-0.12956	6			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	MUSKOGEE 345KV'	1516	-0.00178	-0.1336	6			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	AES 161KV'	320	0.00089	-0.14061	6			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	FPLWND2 34KV'	43.0032	-0.00582	-0.1339	6			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	MUSKOGEE 345KV'	1516	-0.00178	-0.13794	6			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	SOONER 138KV'	505	-0.01389	-0.12583	6			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	SOONER 345KV'	513	-0.01395	-0.12577	6			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	ONE OAK 345KV'	100	-0.01875	-0.11663	7			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	SOONER 138KV'	505	-0.01389	-0.12149	7			
OKGE	MUSTANG 138KV'	365.5	-0.13538	OKGE	SOONER 345KV'	513	-0.01395	-0.12143	7			
OKGE	MUSTANG 69KV'	106	-0.13972	OKGE	ONE OAK 345KV'	100	-0.01875	-0.12097	7			
OKGE	HORSESHOE LAKE 138KV'	380.5	-0.0583	OKGE	SEMINOLE 138KV'	457.309	0.01443	-0.07273	11			

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

OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.07273	11
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.07273	11
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.07248	11
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.07248	11
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.07248	11
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.07043	11
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.07018	11
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	AES 161KV	320	0.00089	-0.05919	14
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	AES 161KV	320	0.00089	-0.05919	14
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	AES 161KV	320	0.00089	-0.05919	14
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	MUSKOGEE 345KV	1516	-0.00178	-0.05652	14
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	MUSKOGEE 345KV	1516	-0.00178	-0.05652	14
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	MUSKOGEE 345KV	1516	-0.00178	-0.05652	14
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	AES 161KV	320	0.00089	-0.05689	14
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	FPLWND2 34KV	43.0032	-0.00582	-0.05248	15
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	FPLWND2 34KV	43.0032	-0.00582	-0.05248	15
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	FPLWND2 34KV	43.0032	-0.00582	-0.05248	15
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	MUSKOGEE 345KV	1516	-0.00178	-0.05422	15
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	FPLWND2 34KV	43.0032	-0.00582	-0.05018	16
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	SOONER 138KV	505	-0.01389	-0.04441	18
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	SOONER 138KV	505	-0.01389	-0.04441	18
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	SOONER 138KV	505	-0.01389	-0.04441	18
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	SOONER 345KV	513	-0.01395	-0.04435	18
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	SOONER 345KV	513	-0.01395	-0.04435	18
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	SOONER 345KV	513	-0.01395	-0.04435	18
OKGE	TINKER 5G 138KV	62	-0.02998	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.04441	18
OKGE	TINKER 5G 138KV	62	-0.02998	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.04416	18
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	SOONER 138KV	505	-0.01389	-0.04211	19
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	SOONER 345KV	513	-0.01395	-0.04205	19
OKGE	HORSESHOE LAKE 138KV	91	-0.0583	OKGE	ONE OAK 345KV	100	-0.01875	-0.03955	20
OKGE	HORSESHOE LAKE 138KV	380	-0.0583	OKGE	ONE OAK 345KV	100	-0.01875	-0.03955	20
OKGE	HORSESHOE LAKE 138KV	380.5	-0.0583	OKGE	ONE OAK 345KV	100	-0.01875	-0.03955	20
WFEC	MORLND 138KV	320	-0.00582	WFEC	ANADARKO 138KV	227.0117	0.03305	-0.03887	21
OKGE	HORSESHOE LAKE 69KV	16	-0.056	OKGE	ONE OAK 345KV	100	-0.01875	-0.03725	22
OKGE	ONE OAK 345KV	236	-0.01875	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.03318	24
OKGE	ONE OAK 345KV	236	-0.01875	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.03293	24
OKGE	REDBUD 345KV	900	-0.01763	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.03206	25
OKGE	REDBUD 345KV	421.65	-0.01763	OKGE	SEMINOLE 138KV	457.309	0.01443	-0.03206	25
OKGE	REDBUD 345KV	900	-0.01763	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.03181	25
OKGE	REDBUD 345KV	421.65	-0.01763	OKGE	SEMINOLE 345KV	590.52	0.01418	-0.03181	25
AEPW	COGENTRIX 345KV	229	-0.00457	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.03115	26
AEPW	NORTHEASTERN STATION 138KV	198	-0.00457	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.03082	26
AEPW	NORTHEASTERN STATION 345KV	94.99997	-0.00435	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.0306	26
AEPW	OEC 345KV	1210	-0.00407	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.03032	26
AEPW	RIVERSIDE STATION 138KV	535	-0.00442	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.03067	26
OKGE	TINKER 5G 138KV	62	-0.02998	OKGE	AES 161KV	320	0.00089	-0.03087	26
AEPW	TULSA POWER STATION 138KV	147	-0.00475	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.031	26
AEPW	TULSA POWER STATION 138KV	147	-0.00475	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.031	26
AEPW	TULSA POWER STATION 69KV	24	-0.00475	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.031	26
AEPW	TULSA POWER STATION 69KV	33	-0.00475	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.031	26
AEPW	TULSA POWER STATION 69KV	23	-0.00475	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.031	26
AEPW	MID-CONTINENT 138KV	142.11	-0.00392	AEPW	SOUTHWESTERN STATION 138KV	29	0.02625	-0.03017	27

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

Reservation	Relief Amount	Aggregate Relief Amount	Source Control Area	Source	Maximum Increment(MW)	GSF	Sink Control Area	Sink	Maximum Decrement(MW)	GSF	Factor	Redispatch Amount (MW)
1031553	1.0	1.0										
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	MARSHALL 161KV	30	0.06905	-0.30954	3			
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	HAWTHORN 161KV	455	-0.00474	-0.23575	4			
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	HAWTHORN 161KV	254.7039	-0.00474	-0.23575	4			
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	IATAN 345KV	396	-0.00378	-0.23671	4			
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	LACYGNE UNIT 345KV	962	-0.00432	-0.23617	4			
KACP	CITY OF HIGGINSVILLE 69KV	36	-0.24049	KACP	MONTROSE 161KV	353.6805	-0.00673	-0.23376	4			
KACP	BULL CREEK 161KV	308	-0.00461	KACP	MARSHALL 161KV	30	0.06905	-0.07366	13			
KACP	GARDNER 161KV	11	-0.00466	KACP	MARSHALL 161KV	30	0.06905	-0.07371	13			
KACP	GRAND AVENUE 161KV	65	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	HAWTHORN 161KV	59.29614	-0.00474	KACP	MARSHALL 161KV	30	0.06905	-0.07379	13			
KACP	MONTROSE 161KV	27.3195	-0.00673	KACP	MARSHALL 161KV	30	0.06905	-0.07578	13			
KACP	NORTHEAST 13KV	59	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 13KV	58	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 13KV	56	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 13KV	56	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 161KV	58	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 161KV	58	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 161KV	58	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	NORTHEAST 161KV	55	-0.00476	KACP	MARSHALL 161KV	30	0.06905	-0.07381	13			
KACP	PAOLA COMBUSTION TURBINES 161KV	77	-0.00464	KACP	MARSHALL 161KV	30	0.06905	-0.07369	13			

Maximum Decrement and Maximum Increment were 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