



*Aggregate Facility Study
SPP-2006-AG3-AFS-2
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 5894 MW of long-term transmission service requests have been restudied in this Aggregate Facility Study (AFS). The first phase of the AFS consisted of a revision of the impact study to reflect the withdrawal of requests for which an Aggregate Facility Study Agreement was not executed. The principal objective of the AFS is to identify system problems and potential modifications necessary to facilitate these transfers while maintaining or improving system reliability as well as summarizing the operating limits and determination of the financial characteristics associated with facility upgrades. Facility upgrade costs are allocated on a prorated basis to all requests positively impacting any individual overloaded facility. Further, Attachment Z provides for facility upgrade cost recovery by stating that “[a]ny charges paid by a customer in excess of the transmission access charges in compensation for the revenue requirements for allocated facility upgrade(s) shall be recovered by such customer from future transmission service revenues until the customer has been fully compensated.”

The total assigned facility upgrade Engineering and Construction (E &C) cost determined by the AFS is \$284 Million. Additionally an indeterminate amount of assigned E & C cost for 3rd party facility upgrades are assignable to the customer. The total upgrade levelized revenue requirement for all transmission requests is \$903 Million. This is based on full allocation of levelized revenue requirements for upgrades to customers without consideration of base plan funding. AFS data table 3 reflects the allocation of upgrade costs to each request without potential base plan funding based on either the requested reservation period or the deferred reservation period if applicable. Total upgrade levelized revenue requirements for all transmission requests after consideration of potential base plan funding is \$168 Million.

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

The Transmission Provider will tender a Letter of Intent on February 23, 2007. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by March 10th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

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

2. Introduction

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

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

Approximately 5894 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$284 Million in transmission upgrades being proposed. The results of the AFS are detailed in Tables 1 through 7. A highly tangible benefit of studying transmission requests aggregately under the SPP OATT Attachment Z is the sharing of costs among customers using the same facility. The detailed results show individual upgrade costs by study as well as potential base plan allowances as determined by Attachments J and Z. The following link can be used to access the SPP OATT: (http://www.spp.org/Publications/SPP_Tariff.pdf). In order to understand the extent to which base plan upgrades may be applied to both point-to-point and network transmission services, it is necessary to highlight the definition of Designated Resource. Per Section 1.9a of the SPP OATT, a Designated Resource is “[a]ny designated

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

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

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

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

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

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

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

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

Some constraints identified in the AFS were not assigned to the Customer as the Transmission Provider determined that upgrades are not required due to various reasons or the Transmission Owner has construction plans pending for these upgrades. These facilities are listed by reservation in Table 3. This table also includes constrained facilities in the current planning horizon that limit the rollover rights of the Transmission Customer. Table 6 lists possible redispatch pairs to allow start of service prior to completion of assigned network upgrades. Table 7 (if applicable) lists deferment of

expansion plan projects with different upgrades with the new required in service date as a result of this AFS.

A. Financial Analysis

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

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

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

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

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

B. Third-Party Facilities

For third-party facilities listed in Table 3 and Table 5, the Transmission Customer is responsible for funding the necessary upgrades of these facilities per Section 21.1 of the Transmission Provider's OATT. In this AFS, third-party facilities were identified. Total engineering and construction cost estimates for required third-party facility upgrades are indeterminate. The Transmission Provider will undertake reasonable efforts to assist the Transmission Customer in making arrangements for necessary engineering, permitting, and construction of the third-party facilities. Third-party facility upgrade engineering and construction cost estimates are not utilized to determine the present worth value of levelized revenue requirements for SPP system network upgrades.

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

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

3. Study Methodology

A. Description

The system impact analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier Non - SPP control area systems. The steady-state analysis was done to ensure current SPP Criteria and NERC Reliability Standards requirements are fulfilled. The Southwest Power Pool conforms to the NERC Reliability Standards, which provide the strictest requirements, related to voltage violations and thermal overloads during normal conditions and during a contingency. It requires that all facilities be within normal operating ratings for normal system conditions and within emergency ratings after a contingency. Normal operating ratings and emergency operating ratings monitored are Rate A and B in the SPP MDWG models, respectively. The upper bound and lower bound of the normal voltage range monitored is 105% and 95%. The upper bound and lower bound of the emergency voltage range monitored is 110% and 90%. The SPS Tuco 230 kV bus voltage is monitored at 92.5% due to pre-determined system stability limitations.

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

A 3 % transfer distribution factor (TDF) cutoff was applied to all SPP control area facilities. For first tier Non – SPP control area facilities, a 3 % TDF cutoff was applied to AECI, AMRN, and ENTR and a 2 % TDF cutoff was applied to MEC, NPPD, and

OPPD. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

B. Model Development

SPP used twelve seasonal models to study the aggregate transfers of 5894 MW over a variety of requested service periods. The SPP MDWG 2006 Series Cases Update 4 2006/07 Winter Peak (06WP), 2007 April Minimum (07AP), 2007 Spring Peak (07G), 2007 Summer Peak (07SP), 2007 Summer Shoulder (07SH), 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 Summer Peak (08SP), 2008/09 Winter Peak (08WP), 2011 Summer Peak (11SP), 2011/12 Winter Peak (11WP), and 2016 Summer Peak (16SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 5894 MW in order to minimize counterflows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the twelve seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East direction with ERCOT exporting and SPS exporting to outside zones and exporting to the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2006 Series Cases flowing in an East to West direction with ERCOT net importing and SPS importing from an outside zone and exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2006 Series Cases flowing in a West to East

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

C. Transmission Request Modeling

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

The Generation to Generation transfers are accomplished by developing a post-transfer case for comparison by dispatching the request source and redispatching the request sink.

D. Transfer Analysis

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

E. Curtailment and Redispatch Evaluation

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

SPP determined potential relief pairs to relieve the incremental MW impact on limiting facilities as identified in Table 6. Using the selected cases where the limiting facilities were identified, potential incremental and decremental units were identified by determining the generation amount available for increasing and decreasing from the units generation amount, maximum generation amount, and minimum generation amount. If the incremental or decremental amount was greater than 1 MW, the unit was considered as a potential incremental or decremental unit. Generation shift factors were calculated for the potential incremental and decremental units using Managing and Utilizing System Transmission (MUST). From the generation shift factors for the incremental and decremental units, top 100 relief pairs within a NERC certified control area with a greater than 3% TDF on limiting constraint were determined from the incremental units with the lowest generation shift factors and decremental units with highest generation shift factors. If the aggregate redispatch amount for the potential relief pair was determined to be three times greater than the lower of the increment or decrement then the pair was determined not to be feasible and is not included in the top 100 relief pairs. If transmission customer would like to see additional relief pairs beyond the top 100 relief pairs determined, the transmission customer can request SPP to provide the additional pairs. The potential relief pairs **were not** evaluated to determine impacts on limiting facilities in the SPP and 1st-Tier systems. The redispatch requirements would be called upon prior to implementing NERC TLR Level 5a.

4. Study Results

A. Study Analysis Results

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

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

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

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

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

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

Example A:

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

Example B:

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

Example C:

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

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

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

B. Study Definitions

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

5. Conclusion

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

The Transmission Provider will tender a Letter of Intent on February 23, 2007. This will open a 15-day window for Customer response. To remain in the Aggregate Transmission Service Study (ATSS), the Transmission Provider must receive from the Transmission Customer (Customer) by March 10th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated Engineering and Construction costs assigned to the Customer. This letter of credit is required regardless of base plan funding consideration. This amount is for all assignable Network Upgrades less pre-payment requirements. The amount of the letter of credit will be adjusted down on an annual basis to reflect amortization of these costs. The Transmission Provider will issue letters of authorization to construct facility upgrades to the constructing Transmission Owner. This date is determined by the engineering and construction lead time provided for each facility upgrade.

Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASES:

Solutions - Fixed slope decoupled Newton-Raphson solution (FDNS)

1. Tap adjustment – Stepping
2. Area interchange control – Tie lines and loads
3. Var limits – Apply immediately
4. Solution options - Phase shift adjustment
 - Flat start
 - Lock DC taps
 - Lock switched shunts

ACCC CASES:

Solutions – AC contingency checking (ACCC)

1. MW mismatch tolerance – 0.5
2. Contingency case rating – Rate B
3. Percent of rating – 100
4. Output code – Summary
5. Min flow change in overload report – 3mw
6. Exclcd cases w/ no overloads form report – YES
7. Exclude interfaces from report – NO
8. Perform voltage limit check – YES
9. Elements in available capacity table – 60000
10. Cutoff threshold for available capacity table – 99999.0
11. Min. contng. case Vltg chng for report – 0.02
12. Sorted output – None

Newton Solution:

1. Tap adjustment – Stepping
2. Area interchange control – Tie lines and loads
3. Var limits - Apply automatically
4. Solution options - Phase shift adjustment
 - Flat start
 - Lock DC taps
 - Lock switched shunts

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Mimimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AECC	AG3-2006-003	1161131	WR	EES	50	12/1/2007	12/1/2027	10/1/2008	10/1/2028	10/1/2008	10/1/2028	24	08SP
AECC	AG3-2006-002	1161136	WR	CSWS	50	12/1/2007	12/1/2027	3/1/2009	3/1/2029	3/1/2009	3/1/2029	0	07WP
AECC	AG3-2006-001	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031					0	11SP
AEPM	AG3-2006-039	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	4/1/2009	4/1/2014	7/1/2007	7/1/2012	0	07SP
AEPM	AG3-2006-040	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	4/1/2009	4/1/2014	11/1/2007	11/1/2012	0	08SP
AEPM	AG3-2006-043	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031					0	11SP
AEPM	AG3-2006-044	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031					0	16SP
AEPM	AG3-2006-045	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012					0	11SP
AEPM	AG3-2006-072	1162484	CSWS	EES	11	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-073	1162486	CSWS	EES	25	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-074	1162487	CSWS	EES	20	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-075	1162491	CSWS	EES	19	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-076	1162492	CSWS	EES	9	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-077	1162494	CSWS	EES	17	1/1/2009	1/1/2014					0	11SP
AEPM	AG3-2006-092	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	6/1/2007	6/1/2008	12	07SP
AEPM	AG3-2006-091	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	6/1/2007	6/1/2008	12	07SP
AEPM	AG3-2006-095	1162768	OKGE	CSWS	100	6/1/2007	6/1/2008					100	N/A
AEPM	AG3-2006-094	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015					0	11SP
GRDX	AG3-2006-032	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	6/1/2009	6/1/2010	0	06WP
GRDX	AG3-2006-033	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	6/1/2009	6/1/2010	0	07AP
GSEC	AG3-2006-100	1162688	SPS	SPS	10	3/1/2007	3/1/2037	4/1/2009	4/1/2039	4/1/2009	4/1/2039	0	07SP
KCPS	AG3-2006-106	1162649	KCPL	KCPL	101	2/1/2007	2/1/2037	1/1/2010	1/1/2040	1/1/2009	1/1/2039	0	06WP
KCPS	AG3-2006-103	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2008	6/1/2009	6/1/2007	6/1/2008	0	07SH
KCPS	AG3-2006-103	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2008	6/1/2009	6/1/2007	6/1/2008	0	07SH
KCPS	AG3-2006-104	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2009	6/1/2010	6/1/2007	6/1/2008	0	07SH
KCPS	AG3-2006-101	1162685	AECI	KCPL	50	6/1/2007	6/1/2008	6/1/2008	6/1/2009	6/1/2007	6/1/2008	0	07SH
KCPS	AG3-2006-101	1162686	AECI	KCPL	50	6/1/2007	6/1/2008	6/1/2008	6/1/2009	6/1/2007	6/1/2008	0	07SH
MIDW	AG3-2006-086	1162102	WR	WR	25	6/1/2007	6/1/2017	7/1/2009	7/1/2019	7/1/2009	7/1/2019	0	07SH
MIDW	AG3-2006-087	1162109	WR	WR	10	6/1/2008	6/1/2018	7/1/2009	7/1/2019	7/1/2009	7/1/2019	0	08SP
MIDW	AG3-2006-087	1162122	WR	WR	10	6/1/2008	6/1/2018	7/1/2009	7/1/2019	7/1/2009	7/1/2019	0	08SP
MIDW	AG3-2006-087	1162123	WR	WR	19	6/1/2008	6/1/2018	7/1/2009	7/1/2019	7/1/2009	7/1/2019	0	08SP
MIDW	AG3-2006-087	1162130	WR	WR	6	6/1/2008	6/1/2018	7/1/2009	7/1/2019	7/1/2009	7/1/2019	0	08SP
MIDW	AG3-2006-058	1162131	WR	WR	40	6/1/2010	6/1/2020					0	11SP
MIDW	AG3-2006-058	1162136	WR	WR	10	6/1/2010	6/1/2020					0	11SP
MIDW	AG3-2006-062	1162137	WR	WR	20	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	11SP
MIDW	AG3-2006-062	1162141	WR	WR	5	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	08SP
MIDW	AG3-2006-062	1162142	WR	WR	40	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	11SP
MIDW	AG3-2006-062	1162143	WR	WR	10	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	11SP
MIDW	AG3-2006-058	1162175	WR	WR	68	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	08SP
MIDW	AG3-2006-058	1162176	WR	WR	16	6/1/2008	6/1/2038	7/1/2009	7/1/2039	7/1/2009	7/1/2039	0	08SP
MIDW	AG3-2006-058	1162183	WR	WR	40	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-058	1162190	WR	WR	10	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-058	1162191	WR	WR	40	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-058	1162192	WR	WR	10	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-058	1162193	WR	WR	20	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-058	1162194	WR	WR	5	6/1/2010	6/1/2030					0	11SP
MIDW	AG3-2006-121	1167662	WR	WR	35	2/1/2007	2/1/2012	7/1/2009	7/1/2014	7/1/2009	7/1/2014	0	06WP
MIDW	AG3-2006-121	1167664	WR	WR	10	2/1/2007	2/1/2012	7/1/2009	7/1/2014	7/1/2009	7/1/2014	0	06WP

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
NTEC	AG3-2006-035	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031					0	11SP
OGE	AG3-2006-034	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2009	6/1/2014	6/1/2007	6/1/2012	0	08SP
OGE	AG3-2006-049	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031					0	11SP
OMPA	AG3-2006-028	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031					0	11SP
OMPA	AG3-2006-050	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031					0	11SP
SEPC	AG3-2006-113	1162670	WR	SECI	51	12/1/2007	12/1/2027	7/1/2009	7/1/2029	7/1/2009	7/1/2029	0	07WP
SPSM	AG3-2006-115	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2010	6/1/2011	6/1/2010	6/1/2011	0	06WP
UCU	AG3-2006-025D	1152228	MPS	MPS	585	2/1/2007	2/1/2027	10/1/2008	10/1/2028	10/1/2008	10/1/2028	266	16SP
UCU	AG3-2006-052D	1162075	WR	MPS	51	1/1/2008	1/1/2028	7/1/2009	7/1/2029	7/1/2009	7/1/2029	0	08SP
UCU	AG3-2006-088D	1162678	WR	MPS	25	1/1/2008	1/1/2028	7/1/2009	7/1/2029	7/1/2009	7/1/2029	0	08SP
UCU	AG3-2006-088D	1162681	WR	MPS	25	1/1/2008	1/1/2028	7/1/2009	7/1/2029	7/1/2009	7/1/2029	0	08SP
WRGS	AG3-2006-025	1140120	WR	WR	360	5/1/2009	5/1/2015	7/1/2009	7/1/2015	5/1/2009	5/1/2015	0	11SP
WRGS	AG3-2006-024D	1161506	WR	WR	380	5/1/2008	5/1/2014	7/1/2009	7/1/2015	5/1/2008	5/1/2014	0	11SP
WRGS	AG3-2006-036D	1161997	MPS	WR	300	6/1/2007	6/1/2014	7/1/2009	7/1/2016	6/1/2007	6/1/2014	0	07SH

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

Note 2: Start and Stop Dates are determined based on customers choosing option to pursue redispatch to start service at Requested Start and Stop Dates or earliest date possible.

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

Customer	Study Number	Reservation	^{11 12} Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3 7} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AECC	AG3-2006-003	1161131	\$ 1,193,934	\$ 1,193,934	\$ -		\$ -	\$ 4,023,653	\$ 4,023,653	\$ 10,800,000	\$ 10,800,000
AECC	AG3-2006-002	1161136	\$ 1,602,781	\$ 1,602,781	\$ 900,000		\$ -	\$ 5,324,318	\$ 2,334,586	\$ -	\$ 2,334,586
AECC	AG3-2006-001	1161209	\$ 16,025,758	\$ 16,025,758	\$ 12,600,000		Indeterminate	\$ 48,715,776	\$ 10,413,764	\$ -	\$ 10,413,764
AEPM	AG3-2006-039	1158760	\$ 2,929,914	\$ -	\$ 2,929,914		\$ -	\$ 4,970,982	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-040	1158761	\$ 2,929,914	\$ -	\$ 2,929,914		\$ -	\$ 5,110,868	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-043	1162211	\$ 33,746,343	\$ 32,731,470	\$ 33,746,343		\$ -	\$ 142,923,595	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-044	1162214	\$ 65,804,529	\$ 24,585,845	\$ 65,804,529		Indeterminate	\$ 209,754,477	\$ -	\$ -	Sch 9 charges
AEPM	AG3-2006-045	1162223	\$ 12,753,734	\$ 12,747,809	\$ 2,700,000		\$ -	\$ 21,896,250	\$ 17,258,573	\$ -	\$ 17,258,573
AEPM	AG3-2006-072	1162484	\$ 94,131	\$ 15,572	\$ 94,131		\$ 699,631	\$ 129,329	\$ -	\$ -	\$ 699,631
AEPM	AG3-2006-073	1162486	\$ 217,664	\$ 35,043	\$ 217,664		\$ 1,648,402	\$ 297,164	\$ -	\$ -	\$ 1,648,402
AEPM	AG3-2006-074	1162487	\$ 164,867	\$ 25,895	\$ 164,867		\$ 4,781,159	\$ 224,559	\$ -	\$ -	\$ 4,781,159
AEPM	AG3-2006-075	1162491	\$ 172,001	\$ 27,734	\$ 172,001		\$ 368,115	\$ 234,732	\$ -	\$ -	\$ 368,115
AEPM	AG3-2006-076	1162492	\$ 74,619	\$ 12,065	\$ 74,619		\$ 1,274,547	\$ 102,411	\$ -	\$ -	\$ 1,274,547
AEPM	AG3-2006-077	1162494	\$ 142,745	\$ 21,628	\$ 142,745		\$ 923,922	\$ 194,375	\$ -	\$ -	\$ 923,922
AEPM	AG3-2006-092	1162763	\$ 412,771	\$ 423,497	\$ -		\$ 9,695,776	\$ 796,369	\$ 626,271	\$ 1,260,000	\$ 10,955,776
AEPM	AG3-2006-091	1162766	\$ 708,552	\$ 369,057	\$ -		\$ -	\$ 1,440,734	\$ 1,067,727	\$ 1,260,000	\$ 1,260,000
AEPM	AG3-2006-095	1162768	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 1,260,000	\$ 1,260,000
AEPM	AG3-2006-094	1163062	\$ 41,165,604	\$ 22,337,329	\$ 41,165,604		Indeterminate	\$ 74,814,620	\$ -	\$ -	Sch 9 charges
GRDX	AG3-2006-032	1161666	\$ 2,100,194	\$ 939,442	\$ -		\$ -	\$ 3,865,348	\$ 3,412,176	\$ -	\$ 3,412,176
GRDX	AG3-2006-033	1161667	\$ 1,586,545	\$ 483,331	\$ -		\$ -	\$ 2,733,550	\$ 2,500,399	\$ -	\$ 2,500,399
GSEC	AG3-2006-100	1162688	\$ 245,825	\$ 315,825	\$ -		\$ 200,000	\$ 1,197,200	\$ 1,197,200	\$ -	\$ 1,397,200
KCPS	AG3-2006-106	1162649	\$ 2,412,312	\$ 1,712,312	\$ 1,800,000		\$ -	\$ 10,671,157	\$ 2,708,637	\$ -	\$ 2,708,637
KCPS	AG3-2006-103	1162650	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 655,200	\$ 655,200
KCPS	AG3-2006-103	1162651	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 642,600	\$ 642,600
KCPS	AG3-2006-104	1162654	\$ 60,661	\$ 62,237	\$ -		Indeterminate	\$ 140,559	\$ 110,536	\$ 172,800	\$ 172,800
KCPS	AG3-2006-101	1162685	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
KCPS	AG3-2006-101	1162686	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Sch 9 charges
MIDW	AG3-2006-086	1162102	\$ 254,918	\$ 249,393	\$ -	5	\$ -	\$ 647,142	\$ 647,142	\$ -	\$ 647,142
MIDW	AG3-2006-087	1162109	\$ 101,982	\$ 99,772	\$ -	5	\$ -	\$ 258,894	\$ 258,894	\$ -	\$ 258,894
MIDW	AG3-2006-087	1162122	\$ 101,982	\$ 99,772	\$ -	5	\$ -	\$ 258,894	\$ 258,894	\$ -	\$ 258,894
MIDW	AG3-2006-087	1162123	\$ 193,707	\$ 189,508	\$ -	5	\$ -	\$ 491,749	\$ 491,749	\$ -	\$ 491,749
MIDW	AG3-2006-087	1162130	\$ 61,175	\$ 59,849	\$ -	5	\$ -	\$ 155,302	\$ 155,302	\$ -	\$ 155,302
MIDW	AG3-2006-058	1162131	\$ 109,856	\$ 103,235	\$ -	6	\$ -	\$ 319,684	\$ 319,684	\$ -	\$ 319,684
MIDW	AG3-2006-058	1162136	\$ 27,450	\$ 25,795	\$ -	6	\$ -	\$ 79,880	\$ 79,880	\$ -	\$ 79,880
MIDW	AG3-2006-062	1162137	\$ 41,184	\$ 34,425	\$ -	5	\$ -	\$ 193,952	\$ 193,952	\$ -	\$ 193,952
MIDW	AG3-2006-062	1162141	\$ 10,295	\$ 8,605	\$ -	5	\$ -	\$ 48,483	\$ 48,483	\$ -	\$ 48,483
MIDW	AG3-2006-062	1162142	\$ 82,370	\$ 68,852	\$ -	5	\$ -	\$ 387,913	\$ 387,913	\$ -	\$ 387,913
MIDW	AG3-2006-062	1162143	\$ 20,598	\$ 17,218	\$ -	5	\$ -	\$ 97,005	\$ 97,005	\$ -	\$ 97,005
MIDW	AG3-2006-058	1162175	\$ 188,374	\$ 175,503	\$ -	5	\$ -	\$ 909,306	\$ 909,306	\$ -	\$ 909,306
MIDW	AG3-2006-058	1162176	\$ 44,330	\$ 41,301	\$ -	5	\$ -	\$ 213,987	\$ 213,987	\$ -	\$ 213,987
MIDW	AG3-2006-058	1162183	\$ 109,856	\$ 103,235	\$ -	6	\$ -	\$ 436,064	\$ 436,064	\$ -	\$ 436,064
MIDW	AG3-2006-058	1162190	\$ 27,450	\$ 25,795	\$ -	6	\$ -	\$ 108,960	\$ 108,960	\$ -	\$ 108,960
MIDW	AG3-2006-058	1162191	\$ 109,856	\$ 103,235	\$ -	6	\$ -	\$ 436,064	\$ 436,064	\$ -	\$ 436,064
MIDW	AG3-2006-058	1162192	\$ 27,450	\$ 25,795	\$ -	6	\$ -	\$ 108,960	\$ 108,960	\$ -	\$ 108,960
MIDW	AG3-2006-058	1162193	\$ 54,927	\$ 51,617	\$ -	6	\$ -	\$ 218,028	\$ 218,028	\$ -	\$ 218,028
MIDW	AG3-2006-058	1162194	\$ 13,724	\$ 12,897	\$ -	6	\$ -	\$ 54,476	\$ 54,476	\$ -	\$ 54,476
MIDW	AG3-2006-121	1167662	\$ 356,864	\$ 349,129	\$ -	5	\$ -	\$ 742,589	\$ 742,589	\$ -	\$ 742,589
MIDW	AG3-2006-121	1167664	\$ 101,982	\$ 99,772	\$ -	5	\$ -	\$ 212,211	\$ 212,211	\$ -	\$ 212,211

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

Customer	Study Number	Reservation	^{11 12} Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3 7} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
NTEC	AG3-2006-035	1161974	\$ 6,121,447	\$ 6,221,447	\$ 6,121,447		\$ -	\$ 20,861,246	\$ -	\$ -	Sch 9 charges
OGE	AG3-2006-034	1161665	\$ 223,609	\$ 201,071	\$ -	10	\$ 558,304	\$ 286,391	\$ 272,307	\$ 1,080,000	\$ 1,638,304
OGE	AG3-2006-049	1162077	\$ 37,225,529	\$ 996,162	\$ 37,225,529		\$ -	\$ 157,102,841	\$ -	\$ -	Sch 9 charges
OMPA	AG3-2006-028	1159596	\$ 28,376,454	\$ 28,376,454	\$ 7,380,000		Indeterminate	\$ 111,895,825	\$ 82,794,543	\$ -	\$ 82,794,543
OMPA	AG3-2006-050	1162095	\$ 5,848,818	\$ 5,859,066	\$ 5,848,818		\$ -	\$ 24,947,918	\$ -	\$ -	Sch 9 charges
SEPC	AG3-2006-113	1162670	\$ 307,835	\$ 307,835	\$ -	8	\$ -	\$ 1,158,971	\$ 1,158,971	\$ -	\$ 1,158,971
SPSM	AG3-2006-115	1162675	\$ 9,809,510	\$ 1,041,803	\$ -		\$ -	\$ 20,360,375	\$ 20,038,225	\$ 1,741,200	\$ 20,038,225
UCU	AG3-2006-025D	1152228	\$ 2,100,000	\$ -	\$ -	8	\$ -	\$ 7,147,508	\$ 7,147,508	\$ -	\$ 7,147,508
UCU	AG3-2006-052D	1162075	\$ 343,378	\$ 343,378	\$ -	8	\$ -	\$ 1,293,873	\$ 1,293,873	\$ 19,718,640	\$ 19,718,640
UCU	AG3-2006-088D	1162678	\$ 168,314	\$ 168,314	\$ -	8	\$ -	\$ 634,220	\$ 634,220	\$ 9,666,000	\$ 9,666,000
UCU	AG3-2006-088D	1162681	\$ 168,314	\$ 168,314	\$ -	8	\$ -	\$ 634,220	\$ 634,220	\$ 9,666,000	\$ 9,666,000
WRGS	AG3-2006-025	1140120	\$ 1,044,255	\$ 209,792	\$ -	9	\$ -	\$ 2,324,972	\$ 2,156,950	\$ -	\$ 2,156,950
WRGS	AG3-2006-024D	1161506	\$ 1,531,041	\$ 216,788	\$ 1,531,041	9	\$ -	\$ 3,572,237	\$ -	\$ -	Sch 9 charges
WRGS	AG3-2006-036D	1161997	\$ 2,315,803	\$ 642,483	\$ 2,315,803	9	\$ -	\$ 5,423,928	\$ -	\$ -	Sch 9 charges
Totals		72028207	\$ 284,170,035		\$ 225,864,969			\$ 903,586,091	\$ 168,163,879		

Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by allocated engineering and construction costless engineering and construction costs for upgrades when network customer is the transmission owner less the E & C allocation of expedited projects plus network upgrades for assigned upgrades less that \$100,000 which are base plan funded but still require a letter of credit.

Note 2: If potential base plan funding is applicable, this value is the lesser of the Engineering and Construction costs of assignable upgrades or the value of base plan funding calculated pursuant to Attachment J, Section III B criteria. Allocation of base plan funding is contingent upon verification of customer agreements meeting Attachment J, Section II B criteria. Not applicable if PTP base rate exceeds revenue requirements.

Note 3: Revenue Requirements (RR) are based upon deferred end dates if applicable. Deferred dates are based upon customer's choice to pursue redispatch. Achievable Base Plan Avoided RR in the case of a Base Plan upgrade being displaced or deferred by an earlier in service date for a Requested Upgrade shall be determined per Attachment J, Section VII.C methodology. Assumption of a 40 year service life is utilized for Base Plan funded projects. A present worth analysis of RR on a common year basis between the Base Plan and Requested Upgrades was performed to determine avoided Base Plan RR due to the displacement or deferral of the Base Plan upgrade by the Requested Upgrade. The incremental increase in present worth of a Requested Upgrade on a common year basis as a Base Plan upgrade is assigned to the transmission requests impacting the upgrade based on the displacement or deferral. If the displacement analysis results in lower RR due to the shorter amortization period of the requested upgrade when compared to a base plan amortization period, then no direct assignment of the upgrade cost is made due to the displacement to an earlier start date.

Note 4: For PTP requests, total cost is based on the higher of the base rate or assigned upgrade revenue requirements. For Network requests, the total cost is based on the assigned upgrade revenue requirement. Allocation of base plan funding will be determined after verification of designated resource meeting Attachment J, Section II B Criteria. Additionally E & C of 3rd Party upgrades is assignable to Customer. This includes prepayments required for any SWPA upgrades. Revenue requirements for 3rd Party facilities are not calculated. Total cost to customer is based on assumption of Revenue Requirements with confirmation of base plan funding. Customer is responsible for negotiating redispatch costs if applicable. Customer is also responsible to pay credits for previously assigned upgrades that are impacted by their request. Credits required will be determined at a later date.

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

Customer	Study Number	Reservation	^{11 12} Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3 7} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
Note 5: Midwest has a maximum of 385MW total resources for 2007 or 2008 for base plan funding consideration.											
Note 6: Midwest has a maximum of 391MW total resources for 2010 for base plan funding consideration.											
Note 7: RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.											
Note 8: Resource ratio exceeds 125% load criteria for base plan funding.											
Note 9: Westar has a maximum of 7160MW total resources for 2009 base plan consideration. Thus a cap of 920MW new resources eligible for base plan funding with no base funding for 1140120 if 1161506 and 1161997 confirmed.											
Note 10: Requires a SWPA prepayment of \$2000 for the Jones-Jonesboro 161kV upgrade.											
Note 11: E & C for an expedited project was assigned to previous AG customer or a Transmission Owner planned project thus not included in this total.											
Note 12: E & C allocation for determination of allocated revenue requirements does not include those upgrades estimated at \$100,000 or less as these are base plan funded. Thus this number sets the cap for base plan funding allowable for remaining assigned upgrades. Allocated E & C in Table 3 does include those upgrades less than \$100,000 in order to establish the allocation per request per upgrade detail which is required for Letter of Credit determination.											

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

Customer Study Number
 AECC AG3-2006-001

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161209	CSWS	CSWS	70	6/1/2011	6/1/2031			\$ 12,600,000	\$ -	\$ 16,025,758	\$ 48,715,776
									\$ 12,600,000	\$ -	\$ 16,025,758	\$ 48,715,776

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161209	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 1,355,299	\$ 9,000,000	\$ 4,896,495
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 281,517	\$ 5,000,000	\$ 981,288
	DYESS - TONTITOWN 161KV CKT 1	6/1/2011	6/1/2011			\$ 28,152	\$ 500,000	\$ 98,130
	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	6/1/2011	6/1/2011			\$ 5,742,721	\$ 56,000,000	\$ 20,099,552
	Hugo - SunnySide 345kV	6/1/2011	6/1/2011			\$ 3,720,121	\$ 50,000,000	\$ 9,125,094
	SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	6/1/2016	6/1/2016			\$ 4,000,000	\$ 4,000,000	\$ 9,928,811
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 330,480	\$ 2,500,000	\$ 1,150,614
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 567,468	\$ 6,500,000	\$ 2,433,791
	Total					\$ 16,025,758	\$ 133,500,000	\$ 48,715,776

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		
	BONANZA - BONANZA TAP 161KV CKT 1 Displacement	6/1/2015	6/1/2015		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2010	6/1/2010		
	Siloam Springs - South Fayetteville 161 kV	6/1/2014	6/1/2014		
	WALDRON CAPACITOR	6/1/2016	6/1/2016		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161209	5FLIPN - BULL SHOALS HES 161KV CKT 1	6/1/2011	6/1/2011		
	5HILLTOP 161 - 5ST_JOE 161 161KV CKT 1	6/1/2011	6/1/2011		
	5ST_JOE 161 - EVERTON 161KV CKT 1	6/1/2011	6/1/2011		
	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2007	6/1/2007		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011		
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2011	6/1/2011		
	HARRISON-EAST - SUMMIT 161KV CKT 1	6/1/2016	6/1/2016		
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 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
 AECC AG3-2006-002

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161136	WR	CSWS	50	12/1/2007	12/1/2027	3/1/2009	3/1/2029	\$ 900,000	-	\$ 1,602,781	\$ 5,324,318
									\$ 900,000	\$ -	\$ 1,602,781	\$ 5,324,318

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161136	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 1,062,061	\$ 65,000,000	\$ 3,897,315
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 202,594	\$ 5,000,000	\$ 586,642
	DYESS - TONTITOWN 161KV CKT 1	6/1/2011	6/1/2011			\$ 20,259	\$ 500,000	\$ 58,663
	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	6/1/2011	6/1/2011			\$ 251,992	\$ 56,000,000	\$ 732,673
	ROSE HILL (ROSEHLTX) 345/138/13.8KV TRANSFORMER Displacement	6/1/2007	6/1/2009	10/1/2008		\$ 65,875	\$ 1,132,688	\$ 249,025
Total						\$ 1,602,781	\$ 127,632,688	\$ 5,324,318

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2008	6/1/2008		
	BONANZA - BONANZA TAP 161KV CKT 1 Displacement	6/1/2015	6/1/2015		
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		No
	Siloam Springs - South Fayetteville 161 kV	6/1/2014	6/1/2014		
	WALDRON CAPACITOR	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161136	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHLTX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	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
1161136	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	12/1/2006	6/1/2007		No
	Chamber Springs - Tontitown 345 kV	6/1/2008	6/1/2008		
	Flint Creek - East Centeron 345 kV	6/1/2008	6/1/2008		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Customer Study Number
 AECC AG3-2006-003

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AECC	1161131	WR	EES	50	12/1/2007	12/1/2027	10/1/2008	10/1/2028	\$ -	\$ 10,800,000	\$ 1,193,934	\$ 4,023,653
									\$ -	\$ 10,800,000	\$ 1,193,934	\$ 4,023,653

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1161131	ARCADIA - SOONER 345KV CKT 1	6/1/2011	8/1/2011			\$ 1,125,484	\$ 65,000,000	\$ 3,772,545	
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	6/1/2007	6/1/2009	10/1/2008	No	\$ 68,450	\$ 1,132,688	\$ 251,108	
						Total	\$ 1,193,934	\$ 66,132,688	\$ 4,023,653

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161131	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2011	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
1161131	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Customer Study Number
 AEPM AG3-2006-039

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158760	CSWS	CSWS	160	7/1/2007	7/1/2012	4/1/2009	4/1/2014	\$ 2,929,914	\$ -	\$ 2,931,360	\$ 4,970,982
									\$ 2,929,914	\$ -	\$ 2,931,360	\$ 4,970,982

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158760	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			\$ 39,774	\$ 2,750,000	\$ 60,295
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 1,446	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 28,926	\$ 2,000,000	\$ 49,611
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 2,257,944	\$ 5,000,000	\$ 3,407,358
	DYESS - TONTITOWN 161KV CKT 1	6/1/2011	6/1/2011			\$ 225,794	\$ 500,000	\$ 340,735
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			\$ 377,476	\$ 2,500,000	\$ 657,076
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	4/1/2009		Yes	\$ -	\$ 1,500,000	\$ 230,954
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	4/1/2009		Yes	\$ -	\$ 1,500,000	\$ 230,954
Total						\$ 2,931,360	\$ 15,850,000	\$ 4,970,982

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

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

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

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

Customer Study Number
 AEPM AG3-2006-040

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1158761	CSWS	CSWS	160	11/1/2007	11/1/2012	4/1/2009	4/1/2014	\$ 2,929,914	\$ -	\$ 2,931,360	\$ 5,110,868
									\$ 2,929,914	\$ -	\$ 2,931,360	\$ 5,110,868

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1158761	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			\$ 39,774	\$ 2,750,000	\$ 61,991
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 1,446	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 28,926	\$ 2,000,000	\$ 44,838
	DYESS - ELM SPRINGS REC 161KV CKT 1	6/1/2011	6/1/2011			\$ 2,257,944	\$ 5,000,000	\$ 3,503,242
	DYESS - TONTITOWN 161KV CKT 1	6/1/2011	6/1/2011			\$ 225,794	\$ 500,000	\$ 350,324
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			\$ 377,476	\$ 2,500,000	\$ 675,566
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	6/1/2008	4/1/2009		Yes	\$ -	\$ 1,500,000	\$ 237,453
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	6/1/2008	4/1/2009		Yes	\$ -	\$ 1,500,000	\$ 237,453
Total						\$ 2,931,360	\$ 15,850,000	\$ 5,110,868

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

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

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

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

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

Customer Study Number
 AEPM AG3-2006-043

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162211	OKGE	CSWS	457	6/1/2011	6/1/2031			\$ 33,746,343	\$ -	\$ 33,956,125	\$ 142,923,595
									\$ 33,746,343	\$ -	\$ 33,956,125	\$ 142,923,595

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162211	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 27,983,186	\$ 65,000,000	\$ 119,712,416
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 112,124	\$ 2,750,000	\$ 392,613
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 4,077	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 81,544	\$ 2,000,000	\$ 283,981
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2014	6/1/2014			\$ 12,503	\$ 14,588	\$ 42,669
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	6/1/2014	6/1/2014			\$ 85,705	\$ 100,000	\$ -
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 107,417	\$ 300,000	\$ 462,165
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 2,796,310	\$ 6,322,628	\$ 12,064,839
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 1,626,349	\$ 3,677,275	\$ 5,835,903
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2016	6/1/2016			\$ 45,000	\$ 45,000	\$ -
	RUSSETT - RUSSETT 138KV CKT 1 WFEC	6/1/2016	6/1/2016			\$ 75,000	\$ 75,000	\$ -
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			\$ 1,026,910	\$ 2,500,000	\$ 4,129,010
Total						\$ 33,956,125	\$ 82,884,491	\$ 142,923,595

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162211	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	6/1/2008	6/1/2008		
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

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

Customer Study Number
 AEPM AG3-2006-044

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162214	CSWS	CSWS	455	6/1/2011	6/1/2031			\$ 65,804,529	\$ -	\$ 65,804,529	\$ 209,754,477
									\$ 65,804,529	\$ -	\$ 65,804,529	\$ 209,754,477

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162214	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	6/1/2011	6/1/2011			\$ 39,367,878	\$ 56,000,000	\$ 137,787,769
	Hugo - SunnySide 345kV	6/1/2011	6/1/2011			\$ 21,744,724	\$ 50,000,000	\$ 53,337,689
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 1,850,806	\$ 2,500,000	\$ 6,443,849
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 2,841,121	\$ 6,500,000	\$ 12,185,169
Total						\$ 65,804,529	\$ 115,000,000	\$ 209,754,477

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162214	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2007	6/1/2007		
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011		

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

Customer Study Number
 AEPM AG3-2006-045

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162223	CSWS	WFEC	15	8/1/2007	8/1/2012			\$ 2,700,000	\$ -	\$ 12,753,859	\$ 21,896,250
									\$ 2,700,000	\$ -	\$ 12,753,859	\$ 21,896,250

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162223	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 309,975	\$ 65,000,000	\$ 533,562
	ARSENAL HILL - FORT HUMBUC 138KV CKT 1	6/1/2011	6/1/2011			\$ 3,430	\$ 2,750,000	\$ 5,236
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 125	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 2,495	\$ 2,000,000	\$ 3,788
	CANEY CREEK 345/138 kv	6/1/2011	6/1/2011			\$ 11,294,125	\$ 31,000,000	\$ 19,552,053
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 6,099	\$ 344,362	\$ 11,902
	Hugo - SunnySide 345KV	6/1/2011	6/1/2011			\$ 1,033,108	\$ 50,000,000	\$ 1,600,156
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 41,040	\$ 10,372,158	\$ 80,038
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 63,462	\$ 6,500,000	\$ 109,515
Total						\$ 12,753,859	\$ 168,066,520	\$ 21,896,250

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	ANADARKO - CYRIL 69KV CKT 1	6/1/2011	6/1/2011		
	ANADARKO - GEORGIA 138KV CKT 1	6/1/2011	6/1/2011		
	CYRIL - MEDICINE PARK JCT 69KV CKT 1	6/1/2011	6/1/2011		
	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	FLETCHER - MEDICINE PARK JCT 69KV CKT 1	6/1/2011	6/1/2011		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		
	Savre interconnect	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	ANADARKO 138/69KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	ARCADIA - REDBJD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBJD 345 KV CKT 2	6/1/2006	6/1/2006		
	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	BROWN - EXPLORER TAP 138KV CKT 1	6/1/2008	6/1/2008		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162223	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-072

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162484	CSWS	EES	11	1/1/2009	1/1/2014			\$ 94,131	\$ -	\$ 794,332	\$ 129,329
									\$ 94,131	\$ -	\$ 794,332	\$ 129,329

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162484	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 394	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 1,840	\$ 466,473	\$ 4,913
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 4,848	\$ 2,750,000	\$ 8,319
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 176	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 3,526	\$ 2,000,000	\$ 6,018
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 70,579	\$ 850,000	\$ 74,662
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 199,283	\$ 2,400,000	\$ -
	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011			\$ 500,348	\$ 6,000,000	\$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 13,338	\$ 3,381,928	\$ 35,417
Total						\$ 794,332	\$ 18,048,401	\$ 129,329

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162484	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-073

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162486	CSWS	EES	25	1/1/2009	1/1/2014			\$ 217,664	-	\$ 1,867,349	\$ 297,164
									\$ 217,664	\$ -	\$ 1,867,349	\$ 297,164

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1162486	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 888	\$ 100,000	-	
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 4,140	\$ 466,473	\$ 11,053	
	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			\$ 10,870	\$ 2,750,000	\$ 18,653	
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 395	\$ 100,000	-	
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 7,906	\$ 2,000,000	\$ 13,493	
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 164,733	\$ 850,000	\$ 174,263	
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 465,127	\$ 2,400,000	-	
	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011			\$ 1,183,275	\$ 6,000,000	-	
	PECAN CREEK (PECANCK1) 345/161/113.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 30,015	\$ 3,381,928	\$ 79,701	
						Total	\$ 1,867,349	\$ 18,048,401	\$ 297,164

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162486	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-074

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162487	CSWS	EES	20	1/1/2009	1/1/2014			\$ 164,867	\$ -	\$ 4,946,997	\$ 224,559
									\$ 164,867	\$ -	\$ 4,946,997	\$ 224,559

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162487	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 656	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 3,059	\$ 466,473	\$ 8,167
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 8,663	\$ 2,750,000	\$ 14,866
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 315	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 6,300	\$ 2,000,000	\$ 10,752
	BAYOU RAPIDES - TWIN BRIDGES 138KV CKT 1	6/1/2011	6/1/2011			\$ 1,230,000	\$ 1,230,000	\$ -
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 124,665	\$ 850,000	\$ 131,877
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 351,995	\$ 2,400,000	\$ -
	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011			\$ 3,199,164	\$ 6,000,000	\$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 22,180	\$ 3,381,928	\$ 58,896
Total						\$ 4,946,997	\$ 19,278,401	\$ 224,559

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162487	BEE LINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-075

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162491	CSWS	EES	19	1/1/2009	1/1/2014			\$ 172,001	\$ -	\$ 541,125	\$ 234,732
									\$ 172,001	\$ -	\$ 541,125	\$ 234,732

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162491	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 702	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 3,277	\$ 466,473	\$ 8,749
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 8,450	\$ 2,750,000	\$ 14,500
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 307	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 6,145	\$ 2,000,000	\$ 10,488
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 130,374	\$ 850,000	\$ 137,917
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 368,115	\$ 2,400,000	\$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 23,755	\$ 3,381,928	\$ 63,078
	Total					\$ 541,125	\$ 12,048,401	\$ 234,732

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162491	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-076

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162492	CSWS	EES	9	1/1/2009	1/1/2014			\$ 74,619	\$ -	\$ 1,349,622	\$ 102,411
									\$ 74,619	\$ -	\$ 1,349,622	\$ 102,411

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162492	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 306	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 1,425	\$ 466,473	\$ 3,805
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 4,132	\$ 2,750,000	\$ 7,091
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 150	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 3,005	\$ 2,000,000	\$ 5,129
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 55,723	\$ 850,000	\$ 58,947
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 157,334	\$ 2,400,000	\$ -
	COCODRIE 230/138KV TRANSFORMER CKT 1	12/1/2011	12/1/2011			\$ 1,117,213	\$ 6,000,000	\$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 10,334	\$ 3,381,928	\$ 27,441
Total						\$ 1,349,622	\$ 18,048,401	\$ 102,411

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162492	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162492	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-077

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162494	CSWS	EES	17	1/1/2009	1/1/2014			\$ 142,745	\$ -	\$ 1,067,526	\$ 194,375
									\$ 142,745	\$ -	\$ 1,067,526	\$ 194,375

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162494	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 548	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 2,555	\$ 466,473	\$ 6,822
	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	6/1/2011	6/1/2011			\$ 8,547	\$ 2,750,000	\$ 14,667
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 311	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 6,216	\$ 2,000,000	\$ 10,609
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 106,902	\$ 850,000	\$ 113,087
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 301,842	\$ 2,400,000	\$ -
	Natchitoches Capacitor	6/1/2011	6/1/2011			\$ 622,080	\$ 622,080	\$ -
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 18,525	\$ 3,381,928	\$ 49,191
Total						\$ 1,067,526	\$ 12,670,481	\$ 194,375

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162494	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	6/1/2009	6/1/2009		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	6/1/2011	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	6/1/2011	6/1/2011		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	6/1/2009	6/1/2009		
	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	6/1/2009	6/1/2009		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-091

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162766	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	\$ -	\$ 1,260,000	\$ 717,899	\$ 1,440,734
									\$ -	\$ 1,260,000	\$ 717,899	\$ 1,440,734

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162766	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 9,347	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 43,601	\$ 466,473	\$ 101,514
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 316,109	\$ 3,381,928	\$ 731,976
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			\$ 348,842	\$ 2,500,000	\$ 607,244
Total						\$ 717,899	\$ 6,448,401	\$ 1,440,734

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162766	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162766	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

Customer Study Number
 AEPM AG3-2006-092

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1162763	CSWS	CSWS	100	6/1/2007	6/1/2008	6/1/2009	6/1/2010	\$ -	\$ 1,260,000	\$ 423,497	\$ 796,369
									\$ -	\$ 1,260,000	\$ 423,497	\$ 796,369

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162763	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 10,726	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 50,033	\$ 466,473	\$ 96,994
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 362,738	\$ 3,381,928	\$ 699,376
Total						\$ 423,497	\$ 3,948,401	\$ 796,369

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162763	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162763	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 AEPM AG3-2006-094

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1163062	CSWS	CSWS	550	6/1/2010	6/1/2015			\$ 41,165,604	\$ -	\$ 41,256,854	\$ 74,814,620
									\$ 41,165,604	\$ -	\$ 41,256,854	\$ 74,814,620

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1163062	ARSENAL HILL - FORT HUMBUG 138KV CKT 1	6/1/2011	6/1/2011			\$ 2,509,388	\$ 2,750,000	\$ 4,837,880
	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	6/1/2011	6/1/2011			\$ 91,250	\$ 100,000	\$ -
	ARSENAL HILL - WATERWORKS 69KV CKT 1	6/1/2011	6/1/2011			\$ 1,825,009	\$ 2,000,000	\$ 3,499,319
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 2,500,000	\$ 2,500,000	\$ 3,702,088
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 2,500,000	\$ 2,500,000	\$ 3,702,088
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 7,102,862	\$ 9,000,000	\$ 14,134,555
	HEMPSTEAD - NW TEXARKANA 345 KV CKT 1	6/1/2011	6/1/2011			\$ 2,391,016	\$ 56,000,000	\$ 4,607,575
	Hugo - SunnySide 345kv	6/1/2011	6/1/2011			\$ 19,790,467	\$ 50,000,000	\$ 34,634,577
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 2,546,862	\$ 6,500,000	\$ 5,696,538
Total						\$ 41,256,854	\$ 131,350,000	\$ 74,814,620

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1163062	ARSENAL HILL - NORTH MARKET 69KV CKT 1	6/1/2011	6/1/2011		
	LINWOOD - MCWILLIE STREET 138KV CKT 1	6/1/2007	1/1/2008		
	PORT ROBSON - REDPOINT 138kv	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
1163062	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1163062	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2007	6/1/2007		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011		
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2011	6/1/2011		

Customer Study Number
 AEPM AG3-2006-095

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162768	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162768	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		

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

Customer Study Number
GRDX AG3-2006-032

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
GRDX	1161666	CSWS	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	\$ -	\$ -	\$ 2,123,987	\$ 3,865,348	
										\$ -	\$ -	\$ 2,123,987	\$ 3,865,348

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161666	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 23,793	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 110,988	\$ 466,473	\$ 258,407
	CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3	6/1/2007	6/1/2009		No	\$ 1,184,545	\$ 2,300,000	\$ 1,743,681
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 804,661	\$ 3,381,928	\$ 1,863,259
Total						\$ 2,123,987	\$ 6,248,401	\$ 3,865,348

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	Kansas 7.2MVAR Cap	6/1/2007	6/1/2009		No
	SCoffeyville Capacitor	6/1/2008	6/1/2008		
	Turkey Ford 7.2MVAR Cap	6/1/2007	6/1/2009		No

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161666	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	12/1/2006	6/1/2007		No
	TALLANT - RAMONA 161KV CKT 1	4/1/2007	10/1/2008		No

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

Customer **Study Number**
 GRDX AG3-2006-033

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GRDX	1161667	OKGE	GRDA	150	2/1/2007	2/1/2008	6/1/2009	6/1/2010	\$ -	\$ -	\$ 1,598,786	\$ 2,733,550
									\$ -	\$ -	\$ 1,598,786	\$ 2,733,550

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161667	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 12,241	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 57,102	\$ 466,473	\$ 132,948
	CLAREMORE (CLRAUTO3) 161/69/13.8KV TRANSFORMER CKT 3	6/1/2007	6/1/2009		No	\$ 1,115,455	\$ 2,300,000	\$ 1,641,979
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		No	\$ 413,988	\$ 3,381,928	\$ 958,623
Total						\$ 1,598,786	\$ 6,248,401	\$ 2,733,550

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
1161667	Kansas 7.2MVAR Cap	6/1/2007	6/1/2009		No
	SCoffeyville Capacitor	6/1/2008	6/1/2008		
	Turkey Ford 7.2MVAR Cap	6/1/2007	6/1/2009		No

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161667	TALLANT - RAMONA 161KV CKT 1	4/1/2007	10/1/2008		No

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

Customer Study Number
GSEC AG3-2006-100

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
GSEC	1162688	SPS	SPS	10	3/1/2007	3/1/2037	4/1/2009	4/1/2039	\$ -	\$ -	\$ 515,825	\$ 1,197,200
									\$ -	\$ -	\$ 515,825	\$ 1,197,200

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162688	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		No	\$ 10,545	\$ 344,362	\$ 51,323
	GSEC Midway Interconnection #1	6/1/2007	6/1/2007		No	\$ 70,000	\$ 70,000	\$ -
	GSEC Midway Interconnection #2	6/1/2011	6/1/2011		No	\$ 200,000	\$ 200,000	\$ -
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		No	\$ 235,280	\$ 858,753	\$ 1,145,877
Total						\$ 515,825	\$ 1,473,115	\$ 1,197,200

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	ELK CITY - ELK CITY 69KV CKT 1 AEPW	12/1/2008	4/1/2009		No
	Hitchland 345 and 115 kV Interchange	6/1/2010	6/1/2010		
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016		
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	Pringle - Etter 115 kV	6/1/2010	6/1/2010		
	Sayre interconnect	6/1/2011	6/1/2011		
	SNYDER - SNYDER INTERCONNECTION	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016		
	Tex-Hitchland-Sherman Tap 115 kV ckt	6/1/2010	6/1/2010		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	ALTUS JCT TAP - RUSSELL 138KV CKT 1	6/1/2015	6/1/2008		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162688	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		No

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

Customer Study Number
 KCPS AG3-2006-101

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162685	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -
1162686	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -

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

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

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
1162685	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes
1162686	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes

Customer Study Number
 KCPS AG3-2006-103

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162650	KCPL	CLEC	52	2/1/2007	2/1/2008	6/1/2008	6/1/2009	\$ -	\$ 655,200	\$ -	\$ -
KCPS	1162651	KCPL	CLEC	51	2/1/2007	2/1/2008	6/1/2008	6/1/2009	\$ -	\$ 642,600	\$ -	\$ -
									\$ -	\$ 1,297,800	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162650	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -
1162651	None					\$ -	\$ -	\$ -
						Total	\$ -	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		
1162651	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	12/1/2007	3/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162650	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes
1162651	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes

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

Customer Study Number
 KCPS AG3-2006-104

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162654	KCPL	SPA	16	2/1/2007	2/1/2008	6/1/2009	6/1/2010	\$ -	\$ 172,800	\$ 62,237	\$ 140,559
									\$ -	\$ 172,800	\$ 62,237	\$ 140,559

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162654	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 1,576	\$ 100,000	\$ -
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 7,353	\$ 466,473	\$ 17,120
	PECAN CREEK (PECANCK1) 345/161/113.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 53,308	\$ 3,381,928	\$ 123,439
	Total					\$ 62,237	\$ 3,948,401	\$ 140,559

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162654	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2007	6/1/2007		

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

Customer Study Number
 KCPS AG3-2006-106

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
KCPS	1162649	WPEK	KCPL	101	2/1/2007	2/1/2037	1/1/2010	1/1/2040	\$ 1,800,000	-	\$ 2,412,312	\$ 10,671,157
									\$ 1,800,000	\$ -	\$ 2,412,312	\$ 10,671,157

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162649	COLLEGE - CRAIG 161KV CKT 1	6/1/2016	6/1/2016			\$ 700,000	\$ 700,000	\$ 2,415,302
	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 101,791	\$ 344,362	\$ 485,705
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2007	1/1/2008		Yes	\$ 150,000	\$ 150,000	\$ 822,788
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 1,441,958	\$ 10,372,158	\$ 6,875,843
	SPS MUST RUN GENERATION #1	4/1/2007	4/1/2007			\$ -	\$ -	\$ -
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 18,563	\$ 114,189	\$ 71,519
Total						\$ 2,412,312	\$ 11,680,709	\$ 10,671,157

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2016	6/1/2016		
	CROSSTOWN - NEAST 161KV CKT 1	6/1/2015	6/1/2015		
	GREENSBURG - JUDSON LARGE 115KV CKT 1	12/1/2006	9/1/2007		Yes
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	12/1/2006	1/1/2010		Yes
	Sayre interconnect	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		Yes
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162649	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
 MIDW AG3-2006-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162131	WR	WR	40	6/1/2010	6/1/2020			\$ -	-	\$ 109,856	\$ 319,684
MIDW	1162136	WR	WR	10	6/1/2010	6/1/2020			\$ -	-	\$ 27,450	\$ 79,880
MIDW	1162175	WR	WR	68	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	-	\$ 188,374	\$ 909,306
MIDW	1162176	WR	WR	16	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	-	\$ 44,330	\$ 213,987
MIDW	1162183	WR	WR	40	6/1/2010	6/1/2030			\$ -	-	\$ 109,856	\$ 436,064
MIDW	1162190	WR	WR	10	6/1/2010	6/1/2030			\$ -	-	\$ 27,450	\$ 108,960
MIDW	1162191	WR	WR	40	6/1/2010	6/1/2030			\$ -	-	\$ 109,856	\$ 436,064
MIDW	1162192	WR	WR	10	6/1/2010	6/1/2030			\$ -	-	\$ 27,450	\$ 108,960
MIDW	1162193	WR	WR	20	6/1/2010	6/1/2030			\$ -	-	\$ 54,927	\$ 218,028
MIDW	1162194	WR	WR	5	6/1/2010	6/1/2030			\$ -	-	\$ 13,724	\$ 54,476
									\$ -	-	\$ 713,273	\$ 2,885,408

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1162131	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 7,548	\$ 300,000	\$ 22,696	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 45,080	\$ 2,000,000	\$ 132,258	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 50,607	\$ 858,753	\$ 148,712	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 6,621	\$ 114,189	\$ 16,017	
						Total	\$ 109,856	\$ 3,272,942	\$ 319,684
1162136	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,886	\$ 300,000	\$ 5,671	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 11,267	\$ 2,000,000	\$ 33,056	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 12,642	\$ 858,753	\$ 37,149	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 1,655	\$ 114,189	\$ 4,004	
						Total	\$ 27,450	\$ 3,272,942	\$ 79,880
1162175	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 12,831	\$ 300,000	\$ 63,030	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 76,637	\$ 2,000,000	\$ 367,314	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 86,035	\$ 858,753	\$ 427,489	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 12,871	\$ 114,189	\$ 51,472	
						Total	\$ 188,374	\$ 3,272,942	\$ 909,306
1162176	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 3,019	\$ 300,000	\$ 14,830	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 18,032	\$ 2,000,000	\$ 86,426	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 20,250	\$ 858,753	\$ 100,618	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 3,029	\$ 114,189	\$ 12,113	
						Total	\$ 44,330	\$ 3,272,942	\$ 213,987
1162183	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 7,548	\$ 300,000	\$ 30,590	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 45,080	\$ 2,000,000	\$ 178,257	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 50,607	\$ 858,753	\$ 205,448	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 6,621	\$ 114,189	\$ 21,770	
						Total	\$ 109,856	\$ 3,272,942	\$ 436,064
1162190	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,886	\$ 300,000	\$ 7,643	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 11,267	\$ 2,000,000	\$ 44,552	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 12,642	\$ 858,753	\$ 51,322	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 1,655	\$ 114,189	\$ 5,442	
						Total	\$ 27,450	\$ 3,272,942	\$ 108,960
1162191	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 7,548	\$ 300,000	\$ 30,590	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 45,080	\$ 2,000,000	\$ 178,257	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 50,607	\$ 858,753	\$ 205,448	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 6,621	\$ 114,189	\$ 21,770	
						Total	\$ 109,856	\$ 3,272,942	\$ 436,064
1162192	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,886	\$ 300,000	\$ 7,643	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 11,267	\$ 2,000,000	\$ 44,552	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 12,642	\$ 858,753	\$ 51,322	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 1,655	\$ 114,189	\$ 5,442	
						Total	\$ 27,450	\$ 3,272,942	\$ 108,960
1162193	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 3,774	\$ 300,000	\$ 15,295	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 22,540	\$ 2,000,000	\$ 89,128	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 25,303	\$ 858,753	\$ 102,722	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 3,310	\$ 114,189	\$ 10,883	
						Total	\$ 54,927	\$ 3,272,942	\$ 218,028
1162194	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 943	\$ 300,000	\$ 3,822	
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 5,633	\$ 2,000,000	\$ 22,274	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 6,321	\$ 858,753	\$ 25,661	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 827	\$ 114,189	\$ 2,719	
						Total	\$ 13,724	\$ 3,272,942	\$ 54,476

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	
1162131	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No	
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No	
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No	
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016			
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016			
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016			
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	1162136	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
		HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
HEIZER 115/69KV TRANSFORMER CKT 1		6/1/2016	6/1/2016			
HEIZER 115/69KV TRANSFORMER CKT 2		6/1/2016	6/1/2016			
KINSLEY CAPACITOR		6/1/2007	1/1/2009		No	
Mooreland - Potter 345 kV SPS		6/1/2016	6/1/2016			
Mooreland - Potter 345 kV WFEC		6/1/2016	6/1/2016			
Mooreland 345/138 kV Transformer		6/1/2016	6/1/2016			
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2		6/1/2016	6/1/2016			
Spearville - Mooreland 345 kV SUNC		6/1/2016	6/1/2016			
Spearville - Mooreland 345 kV WFEC		6/1/2016	6/1/2016			
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		6/1/2016	6/1/2016			
1162175		HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
		HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No	
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016			
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016			
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016			
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	1162176	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
		HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
HEIZER 115/69KV TRANSFORMER CKT 1		6/1/2016	6/1/2016			
HEIZER 115/69KV TRANSFORMER CKT 2		6/1/2016	6/1/2016			
KINSLEY CAPACITOR		6/1/2007	1/1/2009		No	
Mooreland - Potter 345 kV SPS		6/1/2016	6/1/2016			
Mooreland - Potter 345 kV WFEC		6/1/2016	6/1/2016			
Mooreland 345/138 kV Transformer		6/1/2016	6/1/2016			
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2		6/1/2016	6/1/2016			
Spearville - Mooreland 345 kV SUNC		6/1/2016	6/1/2016			
Spearville - Mooreland 345 kV WFEC		6/1/2016	6/1/2016			
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1		6/1/2016	6/1/2016			

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

1162183	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
1162190	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
1162191	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
1162192	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	

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

1162193	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
1162194	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162136	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162175	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162176	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162183	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162190	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162191	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162192	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162193	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
1162194	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162131	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162136	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162175	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162176	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162183	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162190	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162191	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162192	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162193	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162194	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service	Redispatch Available
1162131	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162136	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162175	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162176	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162183	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162190	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162191	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162192	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162193	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162194	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
MIDW AG3-2006-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
MIDW	1162137	WR	WR	20	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	\$ -	\$ 41,184	\$ 193,952	
MIDW	1162141	WR	WR	5	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	\$ -	\$ 10,295	\$ 48,483	
MIDW	1162142	WR	WR	40	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	\$ -	\$ 82,370	\$ 387,913	
MIDW	1162143	WR	WR	10	6/1/2008	6/1/2038	7/1/2009	7/1/2039	\$ -	\$ -	\$ 20,598	\$ 97,005	
										\$ -	\$ -	\$ 154,447	\$ 727,352

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162137	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 4,090	\$ 300,000	\$ 20,091
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 24,430	\$ 2,000,000	\$ 117,091
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 5,905	\$ 610,000	\$ 29,740
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 6,759	\$ 114,189	\$ 27,030
					Total	\$ 41,184	\$ 3,024,189	\$ 193,952
1162141	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,022	\$ 300,000	\$ 5,020
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 6,106	\$ 2,000,000	\$ 29,266
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 1,477	\$ 610,000	\$ 7,439
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 1,690	\$ 114,189	\$ 6,758
					Total	\$ 10,295	\$ 3,024,189	\$ 48,483
1162142	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 8,181	\$ 300,000	\$ 40,188
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 48,861	\$ 2,000,000	\$ 234,186
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 11,810	\$ 610,000	\$ 59,479
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 13,518	\$ 114,189	\$ 54,059
					Total	\$ 82,370	\$ 3,024,189	\$ 387,913
1162143	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 2,046	\$ 300,000	\$ 10,051
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 12,218	\$ 2,000,000	\$ 58,560
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 2,954	\$ 610,000	\$ 14,877
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 3,380	\$ 114,189	\$ 13,517
					Total	\$ 20,598	\$ 3,024,189	\$ 97,005

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162137	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
1162141	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
1162142	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
1162143	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162137	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162141	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162142	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162143	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Customer Study Number
MIDW AG3-2006-086

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1162102	WR	WR	25	6/1/2007	6/1/2017	7/1/2009	7/1/2019	\$ -	\$ -	\$ 254,918	\$ 647,142
									\$ -	\$ -	\$ 254,918	\$ 647,142

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162102	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 212,521	\$ 65,000,000	\$ 534,028
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 36,872	\$ 858,753	\$ 100,641
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 5,525	\$ 114,189	\$ 12,474
Total						\$ 254,918	\$ 65,972,942	\$ 647,142

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009		No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009		No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016		
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	HEIZER TO KNOLL 230KV	6/1/2007	6/1/2008		No
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		No
	PHILLIPSBURG - RHOADES	6/1/2007	10/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162102	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
MIDW AG3-2006-087

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
MIDW	1162109	WR	WR	10	6/1/2008	6/1/2018	7/1/2009	7/1/2019	\$ -	\$ -	\$ 101,982	\$ 258,894	
MIDW	1162122	WR	WR	10	6/1/2008	6/1/2018	7/1/2009	7/1/2019	\$ -	\$ -	\$ 101,982	\$ 258,894	
MIDW	1162123	WR	WR	19	6/1/2008	6/1/2018	7/1/2009	7/1/2019	\$ -	\$ -	\$ 193,707	\$ 491,749	
MIDW	1162130	WR	WR	6	6/1/2008	6/1/2018	7/1/2009	7/1/2019	\$ -	\$ -	\$ 61,175	\$ 155,302	
										\$ -	\$ -	\$ 458,846	\$ 1,164,840

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1162109	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 85,023	\$ 65,000,000	\$ 213,648	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 14,749	\$ 858,753	\$ 40,257	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 2,210	\$ 114,189	\$ 4,989	
						Total	\$ 101,982	\$ 65,972,942	\$ 258,894
1162122	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 85,023	\$ 65,000,000	\$ 213,648	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 14,749	\$ 858,753	\$ 40,257	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 2,210	\$ 114,189	\$ 4,989	
						Total	\$ 101,982	\$ 65,972,942	\$ 258,894
1162123	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 161,493	\$ 65,000,000	\$ 405,804	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 28,015	\$ 858,753	\$ 76,466	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 4,199	\$ 114,189	\$ 9,480	
						Total	\$ 193,707	\$ 65,972,942	\$ 491,749
1162130	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 50,992	\$ 65,000,000	\$ 128,134	
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 8,857	\$ 858,753	\$ 24,175	
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 1,326	\$ 114,189	\$ 2,994	
						Total	\$ 61,175	\$ 65,972,942	\$ 155,302

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	
1162109	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		No	
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007		No	
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No	
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No	
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No	
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016			
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016			
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016			
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016			
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016			
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009			
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016			
	1162122	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		No
		GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007		No
HAYS PLANT - SOUTH HAYS 115KV CKT 1		6/1/2008	6/1/2009		No	
HAYS PLANT - VINE STREET 115KV CKT 1		6/1/2008	6/1/2009		No	
HEIZER 115/69KV TRANSFORMER CKT 1		6/1/2016	6/1/2016			
HEIZER 115/69KV TRANSFORMER CKT 2		6/1/2016	6/1/2016			
KINSLEY CAPACITOR		6/1/2007	1/1/2009		No	
Mooreland - Potter 345 kV SPS		6/1/2016	6/1/2016			
Mooreland - Potter 345 kV WFEC		6/1/2016	6/1/2016			
Mooreland 345/138 kV Transformer		6/1/2016	6/1/2016			
POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016				
Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016				
Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016				
STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009				
TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016				

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

1162123	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
1162130	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007	No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009	No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009	No
	HEIZER 115/69KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	
	HEIZER 115/69KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	KINSLEY CAPACITOR	6/1/2007	1/1/2009	No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016	
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016	
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016	
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016	
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009	
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016	

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

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162109	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162122	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162123	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162130	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162109	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162122	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162123	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1162130	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
 MIDW AG3-2006-121

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
MIDW	1167662	WR	WR	35	2/1/2007	2/1/2012	7/1/2009	7/1/2014	\$ -	\$ -	\$ 356,864	\$ 742,589	
MIDW	1167664	WR	WR	10	2/1/2007	2/1/2012	7/1/2009	7/1/2014	\$ -	\$ -	\$ 101,982	\$ 212,211	
										\$ -	\$ -	\$ 458,846	\$ 954,800

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1167662	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 297,508	\$ 65,000,000	\$ 610,277
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 51,621	\$ 858,753	\$ 117,564
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 7,735	\$ 114,189	\$ 14,727
Total						\$ 356,864	\$ 65,972,942	\$ 742,589
1167664	ARCADIA - SOONER 345kV CKT 1	6/1/2011	6/1/2011			\$ 85,023	\$ 65,000,000	\$ 174,407
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 14,749	\$ 858,753	\$ 33,596
	ST JOHN CAPACITOR Displacement	6/1/2008	6/1/2008			\$ 2,210	\$ 114,189	\$ 4,208
Total						\$ 101,982	\$ 65,972,942	\$ 212,211

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009		No
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2007	6/1/2009		No
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		No
	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	6/1/2007	6/1/2008	10/1/2007	No
	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	6/1/2007	7/1/2007		No
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	KINSLEY CAPACITOR	6/1/2007	1/1/2009		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		No
	1167664	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2007	6/1/2009	
CLAY CENTER - GREENLEAF 115KV CKT 1		6/1/2007	6/1/2009		No
Evans - Grant - Chisolm Rebuild and Conversion Project		6/1/2007	6/1/2009		No
GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1		6/1/2007	6/1/2008	10/1/2007	No
GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1		6/1/2007	7/1/2007		No
HAYS PLANT - SOUTH HAYS 115KV CKT 1		6/1/2008	6/1/2009		No
HAYS PLANT - VINE STREET 115KV CKT 1		6/1/2008	6/1/2009		No
KINSLEY CAPACITOR		6/1/2007	1/1/2009		No
STRANGER CREEK TRANSFORMER CKT 2		6/1/2009	6/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1167664	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	HEIZER TO KNOLL 230KV	6/1/2007	6/1/2008		No
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		No
	PHILLIPSBURG - RHOADES	6/1/2007	10/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		No
1167664	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
	HEIZER TO KNOLL 230KV	6/1/2007	6/1/2008		No
	LACYGNE-PAOLA-WEST GARDER 345KV	6/1/2007	6/1/2008		No
	PHILLIPSBURG - RHOADES	6/1/2007	10/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		No
WICHITA - RENO 345KV	2/1/2007	7/1/2009		No	

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1167662	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		
1167664	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
NTEC AG3-2006-035

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
NTEC	1161974	CSWS	CSWS	52	6/1/2011	6/1/2031			\$ 6,121,447	\$ -	\$ 6,221,447	\$ 20,861,246
									\$ 6,121,447	\$ -	\$ 6,221,447	\$ 20,861,246

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161974	DIANA - PERDUE 138KV CKT 1	6/1/2016	6/1/2016			\$ 750,000	\$ 750,000	\$ 1,872,199
	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	6/1/2011	6/1/2011			\$ 4,684,037	\$ 56,000,000	\$ 16,394,153
	HOOKS - LONESTAR ORDINANCE TAP 69KV CKT 1	6/1/2011	6/1/2011			\$ 125,000	\$ 125,000	\$ 437,671
	NEW BOSTON - NORTH NEW BOSTON 69KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 100,000	\$ 100,000	\$ -
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2009			\$ 369,296	\$ 2,500,000	\$ 1,484,869
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 193,114	\$ 2,500,000	\$ 672,354
	Total					\$ 6,221,447	\$ 61,975,000	\$ 20,861,246

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	BANN - LONESTAR ORDINANCE TAP 69KV CKT 1	6/1/2011	6/1/2011		
	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		
	BIG SANDY - HAWKINS 69KV CKT 1	6/1/2016	6/1/2016		
	BIG SANDY - PERDUE 69KV CKT 1	6/1/2016	6/1/2016		
	DAINGERFIELD - JENKINS REC T 69KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161974	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2010	6/1/2010		

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

Customer Study Number
 OGE AG3-2006-034

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1161665	OKGE	SPA	20	2/1/2007	2/1/2012	6/1/2009	6/1/2014	\$ -	\$ 1,080,000	\$ 786,564	\$ 286,391
									\$ -	\$ 1,080,000	\$ 786,564	\$ 286,391

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1161665	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 604	\$ 100,000	\$ -	
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 2,819	\$ 466,473	\$ 7,817	
	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	6/1/2013	6/1/2013			\$ 197,024	\$ 850,000	\$ 215,646	
	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	6/1/2013	6/1/2013			\$ 556,304	\$ 2,400,000	\$ -	
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2014	6/1/2014			\$ 590	\$ 14,588	\$ 958	
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	6/1/2014	6/1/2014			\$ 4,047	\$ 100,000	\$ -	
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2007	6/1/2008	2/1/2008	Yes	\$ 2,000	\$ 2,000	\$ -	
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 2,739	\$ 300,000	\$ 5,608	
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009		Yes	\$ 20,437	\$ 3,381,928	\$ 56,362	
						Total	\$ 786,564	\$ 7,614,989	\$ 286,391

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		
	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161665	STRUMAN - HARRISBURG TAP 161KV CKT 1	6/1/2011	6/1/2011		
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2007	6/1/2007		
	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1	6/1/2011	6/1/2011		
	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1	6/1/2011	6/1/2011		

Customer Study Number
 OGE AG3-2006-049

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OGE	1162077	OKGE	OKGE	384	6/1/2011	6/1/2031			\$ 37,225,529	\$ -	\$ 37,263,748	\$ 157,102,841
									\$ 37,225,529	\$ -	\$ 37,263,748	\$ 157,102,841

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1162077	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 38,219	\$ 100,000	\$ -	
	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	6/1/2007	6/1/2009			\$ 178,281	\$ 466,473	\$ 1,038,774	
	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 28,557,652	\$ 65,000,000	\$ 122,169,988	
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2016	6/1/2016			\$ 2,900,000	\$ 2,900,000	\$ 8,506,968	
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 576,681	\$ 850,000	\$ 2,519,827	
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 101,995	\$ 300,000	\$ 438,836	
	PECAN CREEK (PECANCK1) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2009			\$ 1,292,540	\$ 3,381,928	\$ 7,490,165	
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 1,712,779	\$ 6,322,628	\$ 7,389,882	
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 996,162	\$ 3,677,275	\$ 3,574,574	
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 909,436	\$ 1,500,000	\$ 3,373,825	
						Total	\$ 37,263,748	\$ 84,498,304	\$ 157,102,841

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162077	COLONY - FT SMITH 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
 OMPA AG3-2006-028

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1159596	CSWS	CSWS	41	6/1/2011	6/1/2031			\$ 7,380,000	\$ -	\$ 28,376,454	\$ 111,895,825
									\$ 7,380,000	\$ -	\$ 28,376,454	\$ 111,895,825

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1159596	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 40,156	\$ 65,000,000	\$ 171,788
	CANEY CREEK 345/138 kV	6/1/2011	6/1/2011			\$ 19,705,875	\$ 31,000,000	\$ 84,785,061
	GURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 5,569	\$ 344,362	\$ 24,483
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2011	6/1/2011			\$ 541,839	\$ 9,000,000	\$ 1,958,384
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 57,388	\$ 850,000	\$ 250,759
	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	6/1/2011	6/1/2011			\$ 3,562,356	\$ 56,000,000	\$ 12,468,264
	Hugo - SunnySide 345kV	6/1/2011	6/1/2011			\$ 3,711,580	\$ 50,000,000	\$ 9,104,144
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 25,689	\$ 300,000	\$ 110,528
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 15,529	\$ 10,372,158	\$ 68,225
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 2,887	\$ 858,753	\$ 12,701
	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ 125,601	\$ 2,500,000	\$ 437,298
	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	6/1/2011	6/1/2011			\$ 481,086	\$ 6,500,000	\$ 2,063,310
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 100,899	\$ 1,500,000	\$ 440,882
Total						\$ 28,376,454	\$ 234,225,273	\$ 111,895,825

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1159596	BEN WHEELER - BARTONS CHAPEL	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016		
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	Sayre interconnect	6/1/2011	6/1/2011		
	SNYDER - SNYDER INTERCONNECTION	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

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

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
1159596	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1159596	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2007	6/1/2007		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2011	6/1/2011		
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2011	6/1/2011		
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 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
 OMPA AG3-2006-050

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1162095	OKGE	OKGE	73	6/1/2011	6/1/2031			\$ 5,848,818	\$ -	\$ 5,859,066	\$ 24,947,918
									\$ 5,848,818	\$ -	\$ 5,859,066	\$ 24,947,918

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162095	ARCADIA - SOONER 345KV CKT 1	6/1/2011	6/1/2011			\$ 4,943,904	\$ 65,000,000	\$ 21,150,082
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 119,068	\$ 850,000	\$ 520,272
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	6/1/2014	6/1/2014			\$ 1,495	\$ 14,588	\$ 5,102
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	6/1/2014	6/1/2014			\$ 10,248	\$ 100,000	\$ -
	MILLER - WHITE EAGLE 138KV CKT 1	6/1/2011	6/1/2011			\$ 62,160	\$ 300,000	\$ 267,445
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 295,730	\$ 6,322,628	\$ 1,275,944
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 171,998	\$ 3,677,275	\$ 617,188
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 254,463	\$ 1,500,000	\$ 1,111,885
	Total					\$ 5,859,066	\$ 77,764,491	\$ 24,947,918

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016		
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	Sayre interconnect	6/1/2011	6/1/2011		
	SNYDER - SNYDER INTERCONNECTION	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162095	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		

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

Customer Study Number
SEPC AG3-2006-113

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SEPC	1162670	WR	SECI	51	12/1/2007	12/1/2027	7/1/2009	7/1/2029	\$ -	\$ -	\$ 307,835	\$ 1,158,971
									\$ -	\$ -	\$ 307,835	\$ 1,158,971

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162670	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 19,188	\$ 300,000	\$ 72,755
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 114,604	\$ 2,000,000	\$ 423,978
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 50,726	\$ 610,000	\$ 197,193
	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010			\$ 123,317	\$ 858,753	\$ 465,045
Total						\$ 307,835	\$ 3,768,753	\$ 1,158,971

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	Mooreland - Potter 345 kV SPS	6/1/2016	6/1/2016		
	Mooreland - Potter 345 kV WFEC	6/1/2016	6/1/2016		
	Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016		
	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV SUNC	6/1/2016	6/1/2016		
	Spearville - Mooreland 345 kV WFEC	6/1/2016	6/1/2016		
	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	6/1/2016	6/1/2016		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	PHILLIPSBURG - RHOADES	6/1/2007	10/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162670	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
SPSM AG3-2006-115

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
SPSM	1162675	OKGE	SPS	100	2/1/2007	2/1/2008	6/1/2010	6/1/2011	\$ -	\$ 1,741,200	\$ 9,809,510	\$ 20,360,375
									\$ -	\$ 1,741,200	\$ 9,809,510	\$ 20,360,375

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162675	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010		No	\$ 199,148	\$ 344,362	\$ 418,228
	FAIRMONT TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 96,864	\$ 850,000	\$ 185,334
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010		No	\$ 8,568,559	\$ 10,372,158	\$ 17,982,698
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 448,746	\$ 6,322,628	\$ 847,800
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 260,993	\$ 3,677,275	\$ 476,299
	SPS MUST RUN GENERATION #1	4/1/2007	4/1/2007			\$ -	\$ -	\$ -
	SPS MUST RUN GENERATION #2	10/1/2007	10/1/2007			\$ -	\$ -	\$ -
	SPS MUST RUN GENERATION #3	6/1/2007	6/1/2007			\$ -	\$ -	\$ -
	SPS MUST RUN GENERATION #4	12/1/2007	12/1/2007			\$ -	\$ -	\$ -
	SPS MUST RUN GENERATION #5	10/1/2007	10/1/2007			\$ -	\$ -	\$ -
	WAUKOMIS TAP - WOODRING 138KV CKT 1	6/1/2011	6/1/2011			\$ 235,200	\$ 1,500,000	\$ 450,017
Total						\$ 9,809,510	\$ 23,066,423	\$ 20,360,375

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	CARLSBAD PLANT 115/69KV TRANSFORMERS	6/1/2007	6/1/2008		No
	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	4/1/2007	6/1/2008		No
	Savre interconnect	6/1/2011	6/1/2011		
	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2008	10/1/2007	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
1162675	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	CACHE - SNYDER 138KV CKT 1	6/1/2008	6/1/2008		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	HOBBS 115 KV Lines	10/1/2007	6/1/2008	4/1/2008	No
	HOBBS 230/115KV TRANSFORMER CKT 2	10/1/2007	6/1/2008	4/1/2008	No
	HOBBS Substation and Lines	10/1/2007	6/1/2008	4/1/2008	No
	Mustang-San Andr-Amerada Hess 115KV Displacement	4/1/2007	6/1/2008		No
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	TUCO INTERCHANGE 230KV #1	6/1/2007	6/1/2007		
	TUCO INTERCHANGE 230KV #2	6/1/2008	6/1/2008		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2008	10/1/2007	No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162675	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		No

* The existing firm reservations offered for curtailment provided no interim mitigation on the limitations requiring the upgrades for the requested service.

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

Customer Study Number
UCU AG3-2006-025D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1152228	MPS	MPS	585	2/1/2007	2/1/2027	10/1/2008	10/1/2028	\$ -	\$ -	\$ 2,100,000	\$ 7,147,508
									\$ -	\$ -	\$ 2,100,000	\$ 7,147,508

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1152228	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	6/1/2007	6/1/2009	10/1/2008	No	\$ 2,100,000	\$ 2,100,000	\$ 7,147,508
	MPS MUST RUN GENERATION #1	12/1/2006	12/1/2006			\$ -	\$ -	\$ -
Total						\$ 2,100,000	\$ 2,100,000	\$ 7,147,508

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	EAST 40MVAR CAPACITOR	1/1/2009	1/1/2009		
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	6/1/2008		No
	RALPH GREEN 14.4MVAR CAPACITOR	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1152228	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2016	6/1/2011		
	CLINTON - CLINTON PLANT 69KV 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
UCU AG3-2006-052D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162075	WR	MPS	51	1/1/2008	1/1/2028	7/1/2009	7/1/2029	\$ -	\$ 19,718,640	\$ 343,378	\$ 1,293,873
									\$ -	\$ 19,718,640	\$ 343,378	\$ 1,293,873

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162075	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 10,711	\$ 344,362	\$ 40,366
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 17,259	\$ 300,000	\$ 65,441
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 103,082	\$ 2,000,000	\$ 381,353
	MPS MUST RUN GENERATION #1	12/1/2006	12/1/2006			\$ -	\$ -	\$ -
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 58,275	\$ 610,000	\$ 226,539
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 154,051	\$ 10,372,158	\$ 580,175
Total						\$ 343,378	\$ 13,626,520	\$ 1,293,873

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	EAST 40MVAR CAPACITOR	1/1/2009	1/1/2009		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	6/1/2008		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
1162075	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2016	6/1/2011		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2011	6/1/2011		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162075	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
UCU AG3-2006-088D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
UCU	1162678	WR	MPS	25	1/1/2008	1/1/2028	7/1/2009	7/1/2029	\$ -	\$ 9,666,000	\$ 168,314	\$ 634,220
UCU	1162681	WR	MPS	25	1/1/2008	1/1/2028	7/1/2009	7/1/2029	\$ -	\$ 9,666,000	\$ 168,314	\$ 634,220
									\$ -	\$ 19,332,000	\$ 336,628	\$ 1,268,439

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1162678	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 5,249	\$ 344,362	\$ 19,782
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 8,460	\$ 300,000	\$ 32,078
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 50,527	\$ 2,000,000	\$ 186,925
	MPS MUST RUN GENERATION #1	12/1/2006	12/1/2006			\$ -	\$ -	\$ -
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 28,567	\$ 610,000	\$ 111,052
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 75,511	\$ 10,372,158	\$ 284,384
	Total					\$ 168,314	\$ 13,626,520	\$ 634,220
1162681	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	6/1/2007	6/1/2010			\$ 5,249	\$ 344,362	\$ 19,782
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 8,460	\$ 300,000	\$ 32,078
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 50,527	\$ 2,000,000	\$ 186,925
	MPS MUST RUN GENERATION #1	12/1/2006	12/1/2006			\$ -	\$ -	\$ -
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 28,567	\$ 610,000	\$ 111,052
	Potter - Roosevelt 345KV Displacement	6/1/2007	6/1/2010			\$ 75,511	\$ 10,372,158	\$ 284,384
	Total					\$ 168,314	\$ 13,626,520	\$ 634,220

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	EAST 40MVAR CAPACITOR	1/1/2009	1/1/2009		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	6/1/2008		No
1162681	EAST 40MVAR CAPACITOR	1/1/2009	1/1/2009		
	HAYS PLANT - SOUTH HAYS 115KV CKT 1	6/1/2008	6/1/2009		No
	HAYS PLANT - VINE STREET 115KV CKT 1	6/1/2008	6/1/2009		No
	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	6/1/2007	6/1/2008		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
1162678	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
1162681	IATAN - NASHUA 345KV CKT 1	6/1/2010	6/1/2010		
	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2016	6/1/2011		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2011	6/1/2011		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No
1162681	CLINTON - CLINTON GREEN STREET 69KV CKT 1	6/1/2016	6/1/2011		
	CLINTON - CLINTON PLANT 69KV CKT 1	6/1/2011	6/1/2011		
	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1162678	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		
1162681	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	6/1/2007	6/1/2010		

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

Customer Study Number
 WRGS AG3-2006-024D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1161506	WR	WR	380	5/1/2008	5/1/2014	7/1/2009	7/1/2015	\$ 1,531,041	-	\$ 1,531,041	\$ 3,572,237
									\$ 1,531,041	\$ -	\$ 1,531,041	\$ 3,572,237

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161506	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			\$ 87,449	\$ 300,000	\$ 126,883
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 62,692	\$ 300,000	\$ 154,664
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 445,369	\$ 2,000,000	\$ 1,072,038
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 140,688	\$ 610,000	\$ 355,847
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	6/1/2007	6/1/2009	10/1/2008	Yes	\$ 451,970	\$ 1,132,888	\$ 1,138,963
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 216,788	\$ 6,322,628	\$ 467,702
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 126,085	\$ 3,677,275	\$ 256,140
Total						\$ 1,531,041	\$ 14,342,591	\$ 3,572,237

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	ALTAMONT 138KV	6/1/2011	6/1/2011		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		Yes
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161506	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2011	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
1161506	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		Yes

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

Customer Study Number
 WRGS AG3-2006-025

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements	
WRGS	1140120	WR	WR	360	5/1/2009	5/1/2015	7/1/2009	7/1/2015	\$ -	\$ -	\$ 1,044,255	\$ 2,324,972	
										\$ -	\$ -	\$ 1,044,255	\$ 2,324,972

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1140120	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			\$ 84,628	\$ 300,000	\$ 121,310
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 60,669	\$ 300,000	\$ 147,870
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 430,999	\$ 2,000,000	\$ 1,024,945
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 136,151	\$ 610,000	\$ 340,221
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 209,792	\$ 6,322,628	\$ 445,739
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 122,016	\$ 3,677,275	\$ 244,887
Total						\$ 1,044,255	\$ 13,209,903	\$ 2,324,972

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	ALTAMONT 138KV	6/1/2011	6/1/2011		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1140120	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2011	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
1140120	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		Yes

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

Customer Study Number
WRGS AG3-2006-036D

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WRGS	1161997	MPS	WR	300	6/1/2007	6/1/2014	7/1/2009	7/1/2016	\$ 2,315,803	-	\$ 2,315,803	\$ 5,423,928
									\$ 2,315,803	\$ -	\$ 2,315,803	\$ 5,423,928

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1161997	BOEING - STEARMAN 138KV CKT 1	6/1/2012	6/1/2012			\$ 127,922	\$ 300,000	\$ 191,934
	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	6/1/2009	6/1/2009			\$ 59,061	\$ 300,000	\$ 150,674
	EXIDE JUNCTION - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 421,392	\$ 2,000,000	\$ 1,048,904
	NORTHVIEW - SUMMIT 115KV CKT 1	6/1/2009	6/1/2009			\$ 144,880	\$ 610,000	\$ 378,944
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	6/1/2007	6/1/2009	10/1/2008	Yes	\$ 546,393	\$ 1,132,888	\$ 1,423,851
	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	6/1/2011	6/1/2011			\$ 642,483	\$ 6,322,628	\$ 1,444,631
	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	6/1/2011	6/1/2011			\$ 373,672	\$ 3,677,275	\$ 784,990
Total						\$ 2,315,803	\$ 14,342,591	\$ 5,423,928

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	ALTAMONT 138KV	6/1/2011	6/1/2011		
	CROSSTOWN - NEAST 161KV CKT 1	6/1/2015	6/1/2015		
	DEARING (DEARIN1X) 138/69/13.2KV TRANSFORMER CKT 1	12/1/2011	12/1/2011		
	Evans - Grant - Chisolm Rebuild and Conversion Project	6/1/2007	6/1/2009		Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available
1161997	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	6/1/2011	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
1161997	RENO - SUMMIT 345KV	1/1/2011	1/1/2011		
	WICHITA - RENO 345KV	2/1/2007	7/1/2009		Yes

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	ARSENAL HILL - FORT HUMBURG 138KV CKT 1	Rebuild 3.24 miles of 1272 AAC with 2156 ACSR. Replace 3 switches, breaker, jumpers, and reset CTs @ Arsenal Hill. Replace 2 switches and jumpers @ Fort Humberg	6/1/2011	6/1/2011	\$2,750,000.00
AEPW	ARSENAL HILL - MCWILLIE STREET 138KV CKT 1	Replace Arsenal Hill switches and jumpers	6/1/2011	6/1/2011	\$100,000.00
AEPW	ARSENAL HILL - WATERWORKS 69KV CKT 1	Rebuild 2.55 miles of 666 ACSR with 1272 ACSR	6/1/2011	6/1/2011	\$2,000,000.00
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto & 69 kV breaker and switches	6/1/2011	6/1/2011	\$2,500,000.00
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	Replace auto & 69 kV breaker and switches	6/1/2011	6/1/2011	\$2,500,000.00
AEPW	BEAVER - EUREKA SPRINGS 161KV CKT 1 AEPW	Reconductor 1.25 miles of 795 ACSR with 1590 ACSR.	6/1/2013	6/1/2013	\$850,000.00
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 795 ACSR.	6/1/2011	6/1/2011	\$9,000,000.00
AEPW	DIANA - PERDUE 138KV CKT 1	Replace Breakers 9310 & 10080 & five switches @ Perdue. Replace switch 12798 @ Diana	6/1/2016	6/1/2016	\$750,000.00
AEPW	DYESS - ELM SPRINGS REC 161KV CKT 1	Replace Elm Springs switch. Rebuild 5.17 miles of line.	6/1/2011	6/1/2011	\$5,000,000.00
AEPW	DYESS - TONTITOWN 161KV CKT 1	Replace Dyess Breaker, Switches, & wavetrapp	6/1/2011	6/1/2011	\$500,000.00
AEPW	HEMPSTEAD - NW TEXARKANA 345 kV CKT 1	Build 33 miles of 2-795MCM ACSR from Turk NW Texarkana, Add 345KV terminal at NW Texarkana, Add 345KV terminal at Turk	6/1/2011	6/1/2011	\$56,000,000.00
AEPW	HOOKS - LONESTAR ORDINANCE TAP 69KV CKT 1	Replace Lone Star Ordinance Tap switch	6/1/2011	6/1/2011	\$125,000.00
AEPW	NEW BOSTON - NORTH NEW BOSTON 69KV CKT 1 Displacement	Replace New Boston switches	6/1/2011	6/1/2011	\$100,000.00
AEPW	SOUTH TEXARKANA REC - TEXARKANA PLANT 69KV CKT 1	Rebuild 5.92 miles of 266 ACSR with 795 ACSR. Replace switches, jumpers, and reset CTs & relays @ Texarkana Plant	6/1/2016	6/1/2016	\$4,000,000.00
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	6/1/2009	6/1/2009	\$2,500,000.00
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	4/1/2009	\$1,500,000.00
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2 Expedite	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	4/1/2009	\$1,500,000.00
AEPW	SUGAR HILL (SUGAR HL) 138/69/12.47KV TRANSFORMER CKT 1	Replace auto & 69 kV breaker and switches or Add 2nd Auto	6/1/2011	6/1/2011	\$2,500,000.00
GRDA	CLAREMORE (CLRAUT03) 161/69/13.8KV TRANSFORMER CKT 3	Add 3rd 161/69 KV Transformer	6/1/2007	6/1/2009	\$2,300,000.00
KACP	COLLEGE - CRAIG 161KV CKT 1	Reconductor 4 miles with 1192.5 ACSS, 558 normal/emergency rating and upgrade breaker.	6/1/2016	6/1/2016	\$700,000.00
MIDW	ST JOHN CAPACITOR Displacement	20MVar capacitor at St John	6/1/2008	6/1/2008	\$114,189.00
MIPU	HARRISONVILLE 161/69KV TRANSFORMER CKT 1	Transformer Upgrade	6/1/2007	6/1/2009	\$2,100,000.00
MIPU	MPS MUST RUN GENERATION #1	MPS Voltage Instability due to EAST - WOODBINE 161KV CKT 1 and ST JOE - WOODBINE 161KV CKT 1 contingencies in the 2006/07 Winter Peak, 2007 Spring Peak, 2007 Summer Peak, 2007 Summer Shoulder, 2007/08 Winter Peak, 2008 Summer Peak, 2008/09 Winter Peak. Must Run Lake Road Generation.	12/1/2006	12/1/2006	\$0.00
OKGE	5 TRIBES - HANCOCK 161KV CKT 1 Displacement	Replace 800A Wave Trap, increase Relay CTR to 1200-5A.	6/1/2007	6/1/2009	\$100,000.00
OKGE	5 TRIBES - PECAN CREEK 161KV CKT 1 Displacement	replace 636AS33 conductor with 795AS33	6/1/2007	6/1/2009	\$466,473.00
OKGE	ARCADIA - SOONER 345KV CKT 1	Build 65 miles of 345kV line from Sooner to Arcadia. Add Terminal equipment at each end	6/1/2011	6/1/2011	\$65,000,000.00
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS52	6/1/2016	6/1/2016	\$2,900,000.00
OKGE	CANEY CREEK 345/138 kV	Tap Sunnyside - Pittsburg 345kV and build new substation between Russett and Mills Creek. Build 25 miles of 138kV from new substation to Caney Creek	6/1/2011	6/1/2011	\$31,000,000.00
OKGE	FAIRMONT TAP - WOODRING 138KV CKT 1	Reconductor .75 with ACCC conductor. Increase CTRs to at least 1600-5 ratio. Line relays will need to check to determine if replacement is needed.	6/1/2011	6/1/2011	\$850,000.00
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE Displacement	Reconductor 1.27 miles of line to 1590AS52. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	6/1/2014	6/1/2014	\$14,588.00
OKGE	MILLER - WHITE EAGLE 138KV CKT 1	Replace line relay at White Eagle & Cont. Empire	6/1/2011	6/1/2011	\$300,000.00
OKGE	PECAN CREEK (PECANCKV) 345/161/13.8KV TRANSFORMER CKT 1 Displacement	Add a 345/161 kV 369MVA transformer	6/1/2007	6/1/2009	\$3,381,928.00
OKGE	ROSEHILL - SOONER 345KV CKT 1 OKGE Displacement	New 345 kV line from Sooner to Oklahoma/Kansas	6/1/2011	6/1/2011	\$6,322,628.00
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	6/1/2016	6/1/2016	\$45,000.00
OKGE	RUSSETT - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equip CTs at Russett	6/1/2016	6/1/2016	\$75,000.00
OKGE	SUNNYSIDE 345/138KV TRANSFORMER CKT 2	Add 2nd 345/138KV Auto	6/1/2011	6/1/2011	\$6,500,000.00
OKGE	WALKOMIS TAP - WOODRING 138KV CKT 1	Reconductor 2.75 miles of line with Drake ACCC conductor and increase CTR.	6/1/2011	6/1/2011	\$1,500,000.00
SPS	CURRY COUNTY INTERCHANGE - ROOSEVELT COUNTY INTERCHANGE 115KV CKT 2 Displacement	Upgrade Roosevelt to Curry 115 kV circuit w/795 ACSR	6/1/2007	6/1/2010	\$344,362.00
SPS	GSEC Midway Interconnection #1	New Delivery Point tapping 69 kV Tie Line from AEPW Shamrock to SPS Magic City	6/1/2007	6/1/2007	\$70,000.00
SPS	Potter - Roosevelt 345KV Displacement	New 345 kV circuit from Potter - Roosevelt 2-795 ACSR & 345/230 kV 560 MVA transformer	6/1/2007	6/1/2010	\$10,372,158.00
SPS	ROOSEVELT COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	Add 2nd transformer 230/115 kV 252 MVA	6/1/2007	6/1/2010	\$858,753.00
SPS	SPS MUST RUN GENERATION #1	SPS Voltage Instability for Forcad Harrington or Talk Outages due to High Wind Generation Level, Import Level, and Scheduled Harrington Outage in 2007 Spring Peak MUST Run Nichols Generation no less than 300 MW	4/1/2007	4/1/2007	\$0.00
SPS	SPS MUST RUN GENERATION #2	SPS Voltage Instability for Talk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Fall Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of Flow	10/1/2007	10/1/2007	\$0.00
SPS	SPS MUST RUN GENERATION #3	SPS Voltage Instability for Talk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007 Summer Shoulder MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW o	6/1/2007	6/1/2007	\$0.00
SPS	SPS MUST RUN GENERATION #4	SPS Voltage Instability for Talk to Eddy 345 kV outage due to Scheduled Cunningham Outage and either High Wind Generation Level or Import Level in 2007/08 Winter Peak MUST Run Cunningham and Maddox Generation in order to not exceed approximately 225 MW of	12/1/2007	12/1/2007	\$0.00
SPS	SPS MUST RUN GENERATION #5	Must Run Requirement of Cunningham #2 and Maddox #1 to prevent Voltage Collapse in 2007 Fall Peak for the DENVER CITY INTERCHANGE S - SHELCH23 115KV CKT 1 line outage	10/1/2007	10/1/2007	\$0.00
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	6/1/2007	1/1/2008	\$150,000.00
WERE	BOEING - STEARMAN 138KV CKT 1	Upgrade 1.95 mile Boeing-Stearman 138 kV line.	6/1/2012	6/1/2012	\$300,000.00
WERE	EXIDE JUNCTION - NORTH AMERICAN PHILIPS 115KV CKT 1	Rebuild and reconductor 0.34 miles with 1192 ACSR and rebuild substations	6/1/2009	6/1/2009	\$300,000.00
WERE	EXIDE JUNCTION - SUMMIT 115KV CKT 1	Rebuild 4.94-mile Summit-Exide Jct 115 kV, 1192.5 ACSR	6/1/2009	6/1/2009	\$2,000,000.00
WERE	NORTHVIEW - SUMMIT 115KV CKT 1	Upgrade line to 100C and replace wave trap	6/1/2009	6/1/2009	\$610,000.00
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement	Add third 345-138 kV transformer at Rose Hill	6/1/2007	6/1/2009	\$1,132,688.00
WERE	ROSEHILL - SOONER 345KV CKT 1 WERE Displacement	New 345 kV line from Oklahoma/Kansas Stateline to Rose Hill	6/1/2011	6/1/2011	\$3,677,275.00
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC Displacement	Replace switches and wavetrapp at Franklin Switch to 2000A	6/1/2014	6/1/2014	\$100,000.00
WFEC	Hugo - SunnySide 345kV	Add 345 line from Hugo to SunnySide	6/1/2011	6/1/2011	\$50,000,000.00

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	CHAMBER SPRINGS - TONTITOWN 161KV CKT 1	Reconductor 666 ACSR (11.6 miles) and 1272 ACSR (.1 mile) to Drake ACCC (2156 ACSR section 0.6 miles is not replaced) and remove the series reactors at Chamber Springs on the Chamber Springs to Tontitown 161 kV line	12/1/2006	6/1/2007
AEPW	Chamber Springs - Tontitown 345 kV	New 345 kV Line and Tontitown 345/161 kV Transformer	6/1/2008	6/1/2008
AEPW	Flint Creek - East Centerlon 345 kV	New 345 kV Line and East Centerlon 345/161 kV Transformer	6/1/2008	6/1/2008
GRDA	TALLANT - RAMONA 161kV CKT 1	Tap the Tallant-Ramona(PSO) 69 kV line 10.62 miles from Tallant, 2.01 miles from Ramona. There is a 138/69 kV transformer at South Fork, and then a 9 mile 138 kV line to Skiatook East.	4/1/2007	10/1/2008
KACP	LACYGNE-PAOLA-WEST GARDER 345KV	New 345/161kV transformer and 345kV line tapping LaCyne - West Gardner 345kV	6/1/2007	6/1/2008
MIDW	HEIZER TO KNOLL 230KV	Convert 115 kV to 230kV	6/1/2007	6/1/2008
MIPU	CLINTON - CLINTON GREEN STREET 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	6/1/2016	6/1/2011
MIPU	CLINTON - CLINTON PLANT 69KV CKT 1	Upgrade line to 795 26/7 ACSR conductor	6/1/2011	6/1/2011
SPS	HOBBS 115 KV Lines	Reroute two lines into New Hobbs Substation (Cunningham to Millen 115 kV line and Cunningham to Russell 115 kV line)	10/1/2007	6/1/2008
SPS	HOBBS 230/115KV TRANSFORMER CKT 2	Add 2nd 150 MVA transformer at Hobbs	10/1/2007	6/1/2008
SPS	HOBBS Substation and Lines	New 230/115 kV Substation on Lea Co to Midland 230 kV line with reroute of the Maddox to Lea Co 115 kV line	10/1/2007	6/1/2008
SPS	Mustang-San Andr-Amerada Hess 115KV Displacement	Terminate V53 at Mustang instead of Denver City - 3 mi of new 115 kV circuit. Mustang-San Andr-Amerada Hess 115 kV ckt	4/1/2007	6/1/2008
SPS	TUCO INTERCHANGE 230KV #1	SPS Plan to add 2 50 MVAR Shunt Capacitors at TUCO 230 kV, a 50 MVAR Shunt Capacitor at Swisher 230 kV, a 50 MVAR Shunt Capacitor at Lubbock South 230 kV, and a 50 MVAR Shunt Capacitor at Carlisle 230 kV	6/1/2007	6/1/2007
SPS	TUCO INTERCHANGE 230KV #2	SPS Plan to Add +150/-50 SVC at TUCO 230 kV	6/1/2008	6/1/2008
SPS	YOAKUM COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 1 Displacement	Upgrade Transformer 230/115 kV 252 MVA	6/1/2007	6/1/2008
SUNC	PHILLIPSBURG - RHOADES	New line between Phillipsburg and Rhoades scheduled to be in service by 6/1/2008	6/1/2007	10/1/2008
WERE	RENO - SUMMIT 345KV	Install new 50.55-mile 345 kV line from Reno county to Summit; 31 miles of 115 kV line between Circle and S Philips would be rebuilt as double circuit with the 345 kV line to minimize ROW impacts; Substation work required at Summit for new 345 kV terminal	1/1/2011	1/1/2011
WERE	WICHITA - RENO 345KV	Build 345kV from Wichita to Reno Co	2/1/2007	7/1/2009
WFEC	ALTUS JCT TAP - RUSSELL 138KV CKT 1	WFEC has plans to increase CT Rating. Project should be in service by 6/1/2008	6/1/2015	6/1/2008

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	ALUMAX TAP - NORTHWEST TEXARKANA 138KV CKT 1	Rebuild 1.68 miles of 1024 ACAR with 2156 ACSR, Replace wavetraps & jumpers with 2156 ACSR. Replace Switch 2285 @ Alumax Tap.	6/1/2008	6/1/2008
AEPW	ARSENAL HILL - NORTH MARKET 69KV CKT 1	Rebuild 2.3 miles of 666 ACSR with 1272 ACSR	6/1/2011	6/1/2011
AEPW	BANN - LONESTAR ORDINANCE TAP 69KV CKT 1	Reset relays @ Bann and replace switch @ Lone Star Ordinance Tap. Rebuild 4.14 miles of 397 ACSR with 795 ACSR.	6/1/2011	6/1/2011
AEPW	BIG SANDY - HAWKINS 69KV CKT 1	Rebuild 5.5 miles of 477 ACSR with 1272 ACSR.	6/1/2016	6/1/2016
AEPW	BIG SANDY - PERDUE 69KV CKT 1	Rebuild 5.4 miles of 477 ACSR with 1272 ACSR.	6/1/2016	6/1/2016
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1 AEPW	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	12/1/2007	3/1/2009
AEPW	DAINGERFIELD - JENKINS REC T 69KV CKT 1	Replace Daingerfield Breaker # 1M90 & reset relays	6/1/2011	6/1/2011
AEPW	DUNCAN (DUNCAN) 138/69/13.8KV TRANSFORMER CKT 1	Replace Duncan Autotransformer	6/1/2011	6/1/2011
AEPW	ELK CITY - ELK CITY 69KV CKT 1 AEPW	Replace metering CTs & Jumpers and reset relay Cts	12/1/2008	4/1/2009
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	6/1/2007	1/1/2008
AEPW	PORT ROBSON - REDPOINT 138KV	New 138 kV line from Port Robson - Red Point via McDade & Houghton. Convert McDade & Houghton to 138 kV.	6/1/2011	6/1/2011
AEPW	Siloam Springs - South Fayetteville 161 kV	Convert Existing 69 kV Line to 161 kV Operation	6/1/2014	6/1/2014
AEPW	WALDRON CAPACITOR	Install additional cap bank at Waldron	6/1/2016	6/1/2016
AEPW/WFEC	SNYDER - SNYDER INTERCONNECTION	New Tie line between AEPW's Snyder and WFEC's Snyder	6/1/2016	6/1/2016
GRDA	Kansas 7.2MVAR Cap	Add 7.2MVAR at Kansas area	6/1/2007	6/1/2009
GRDA	SCoffeyville Capacitor	Increase to a 14.4MVAR at South Coffeyville Bus 57001	6/1/2008	6/1/2008
GRDA	Turkey Ford 7.2MVAR Cap	Install 7.2MVAR capacitors at Turkey Ford 69 kV bus	6/1/2007	6/1/2009
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Replace 800 amp wavetraps at Gladstone with 1200 amp wavetraps	6/1/2016	6/1/2016
KACP	CROSSTOWN - NEAST 161KV CKT 1	Add series reactor at Crosstown	6/1/2015	6/1/2015
MIDW	HAYS PLANT - SOUTH HAYS 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2009
MIDW	HAYS PLANT - VINE STREET 115KV CKT 1	Reconductor Line	6/1/2008	6/1/2009
MIDW	HEIZER 115/69KV TRANSFORMER CKT 1	Replace auto	6/1/2016	6/1/2016
MIDW	HEIZER 115/69KV TRANSFORMER CKT 2	Replace auto	6/1/2016	6/1/2016
MIDW	KINSLEY CAPACITOR	Install 12mvar capacitor at Kinsley	6/1/2007	1/1/2009
MIPU	EAST 40MVAR CAPACITOR	Add 40MVAR capacitor at East 161kV	1/1/2009	1/1/2009
MIPU	INDUSTRIAL PARK - LAKE ROAD 161KV CKT 1	Structure replacement - Higher line rating	6/1/2007	6/1/2008
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Replace Wavetraps at Martin City	12/1/2006	1/1/2010
MIPU	RALPH GREEN 14.4MVAR CAPACITOR	14.4MVAR at Ralph Green	6/1/2011	6/1/2011
OKGE	BONANZA - BONANZA TAP 161KV CKT 1 Displacement	Rebuild 0.06 miles of 397 ACSR with 1272 ACSR & reset relay @ Bonanza or Bonanza T-Excelsior-Midland-N. Huntington 161 kV loop	6/1/2015	6/1/2015
OKGE	COLONY - FT SMITH 161KV CKT 1	Reconductor 2.2 miles to Drake ACCE/TW and change terminal equipment at Ft. Smith & Colony to 2000A.	6/1/2011	6/1/2011
SPS	CARLSBAD PLANT 115/69KV TRANSFORMERS	Upgrade to 75 MVA transformers	6/1/2007	6/1/2008
SPS	Hitchland 345 and 115 kV Interchange	New 345/115 kV Substation on Potter to Finney 345 kV line near the Texas Oklahoma border with tap of Spearman to Texas Co 115 kV line (Three breaker 345 kV bus, 345/115 kV transformer, five 115 kV breakers)	6/1/2010	6/1/2010
SPS	Mooreland - Potter 345 kV SPS	New 345 kV line from Potter to Mooreland on wooden h-frame structures.	6/1/2016	6/1/2016
SPS	MUSTANG STATION 230/115KV TRANSFORMER CKT 1	Install 252 MVA Transformer	4/1/2007	6/1/2008
SPS	POTTER COUNTY INTERCHANGE (POTTR CO) 345/230/13.2KV TRANSFORMER CKT 2	New 345/230 kV 560 MVA transformer	6/1/2016	6/1/2016
SPS	Seven Rivers to Pecos to Potash Junction 230kV	Seven Rivers to Pecos to Potash Junction 230kV	6/1/2007	6/1/2008
SPS	Tex-Hitchland-Sherman Tap 115 kV ckt	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	6/1/2010	6/1/2010
SPS	TUCO INTERCHANGE 345/115KV TRANSFORMER CKT 1	Install 345/115 kV Transformer at Tuco	6/1/2016	6/1/2016
SUNC	Spearville - Mooreland 345 kV SUNC	New 345 kV line from Spearville to Kansas/Oklahoma Stateline	6/1/2016	6/1/2016
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	6/1/2010	6/1/2010
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	6/1/2007	6/1/2009
WEPL	GREENSBURG - JUDSON LARGE 115KV CKT 1	Replace relaying from Judson Large to Greensburg	12/1/2006	9/1/2007
WERE	ALTAMONT 138KV	Install 30 Mvar cap at Altamont 138 kV (bus # 57000)	6/1/2011	6/1/2011
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	6/1/2007	6/1/2009
WERE	DEARING (DEARINX) 138/69/13.2KV TRANSFORMER CKT 1	2nd Dearing 138-69 kV Transformer	12/1/2011	12/1/2011
WERE	Evans - Grant - Chisolm Rebuild and Conversion Project	Build Evans - Grant 138 kV line, Convert Grant - Chisolm 69 kV line to 138 kV, Install New Grant 138/69 kV XFMR. And Rebuild Grant - Grant Jct. 69 kV line.	6/1/2007	6/1/2009
WERE	GILL ENERGY CENTER EAST - GILLJCT269.0 69KV CKT 1	Rebuild Gill-Gill Jct	6/1/2007	6/1/2008
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2016	6/1/2016
WERE	GILL ENERGY CENTER EAST - MACARTHUR 69KV CKT 1	Replace bus, jumpers and disconnect switches at MacArthur 69 kV substation to increase line capacity to conductor rating	6/1/2007	7/1/2007
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	6/1/2009	6/1/2009
WFEC	ANADARKO - CYRIL 69KV CKT 1	Anadarko-Cyrl 336-795 Reconductor 13 miles from 336 to 795 ACSR	6/1/2011	6/1/2011
WFEC	ANADARKO - GEORGIA 138KV CKT 1	Replace Terminal Equipment	6/1/2011	6/1/2011
WFEC	CYRIL - MEDICINE PARK JCT 69KV CKT 1	Cyrl -MedparkJct 336-795; Reconductor 12.9 miles from 336 to 795 ACSR	6/1/2011	6/1/2011
WFEC	FLETCHER - MEDICINE PARK JCT 69KV CKT 1	Reconductor 4 miles from 336 to 795 ACSR	6/1/2011	6/1/2011
WFEC	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	Replace 70 MVA Auto with 112 MVA autotransformer (100 MVA base Rating), Upgrade 138 and 69 KV buswork and switches.	6/1/2011	6/1/2011
WFEC	Mooreland - Potter 345 kV WFEC	345 kV line Terminal	6/1/2016	6/1/2016
WFEC	Mooreland 345/138 kV Transformer	New Mooreland 345/138 kV Transformer	6/1/2016	6/1/2016
WFEC	Sayre interconnect	Convert Sayre to Sweetwater-Durham-Brantley-MorewoodSw convert to 138 kV	6/1/2011	6/1/2011
WFEC	Spearville - Mooreland 345 kV WFEC	New 345 kV line from Kansas/Oklahoma Stateline to Mooreland	6/1/2016	6/1/2016

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	CACHE - SNYDER 138KV CKT 1	Replace Snyder wavetrap	6/1/2008	6/1/2008
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW Displacement	Rebuild 1.09 miles of line using 1590 ACSR	6/1/2011	6/1/2011
AEPW	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 AEPW	Reconductor 1.9 miles with ACCC. Replace wave trap jumpers at Riverside.	6/1/2009	6/1/2009
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	5/1/2010	5/1/2010
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2010	6/1/2010
AEPW	SOUTHWEST SHREVEPORT (SW SHV 2) 345/138/13.8KV TRANSFORMER CKT 2	Using IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) Re-rate the autos. Replace .two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2010	6/1/2010
KACP	IATAN - NASHUA 345KV CKT 1	New Iatan-Nashua line (27.5 mi.) and Nashua substation work and 345/161kV transformer	6/1/2010	6/1/2010
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPCL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Uprate Terminal Equipment	6/1/2006	6/1/2006
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Uprate Terminal Equipment	6/1/2006	6/1/2006
OKGE	BEELINE - EXPLORER GLENPOOL 138KV CKT 1	Reconductor .92miles of line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	BROWN - EXPLORER TAP 138KV CKT 1	Upgrade CT to 800A at Brown.	6/1/2008	6/1/2008
OKGE	EXPLORER GLENPOOL - RIVERSIDE STATION 138KV CKT 1 OKGE	Reconductor 1.82 miles line with Drake ACCC/TW.	6/1/2009	6/1/2009
OKGE	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGC would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGC's summer and winter Rate B to 287MVA. The limit will still be at WFEC's Mooreland at 390A & 600A.	6/1/2006	4/1/2008
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE Displacement	The Line. Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2011	6/1/2011
WERE	ROSE HILL (ROSEHLX) 345/138/13.8KV TRANSFORMER CKT 3 Displacement	Add third 345-138 kV transformer at Rose Hill	6/1/2011	6/1/2011
WFEC	ANADARKO 138/69KV TRANSFORMER CKT 1	Install 2nd 112 MVA auto in parallel with existing Unit	6/1/2011	6/1/2011
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	5/1/2010	5/1/2010

Table 5 - Third Party Facility Constraints

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	6/1/2007	2/1/2008	\$ 2,000
CELE	BAYOU RAPIDES - TWIN BRIDGES 138KV CKT 1	Reconductor Bayou Rapides to Twin Bridges 138 kV	6/1/2011	6/1/2011	\$1,230,000.00
CELE	COCODRIE 230/138KV TRANSFORMER CKT 1	Replace Cocodrie 230/138 kV Auto XFMR	12/1/2011	12/1/2011	\$6,000,000.00
CELE	Natchitoches Capacitor	Install 28.8 MVAR capacitor bank at Natchitoches Bus 50131	6/1/2011	6/1/2011	\$622,080.00
ENTR	5FLIPN - BULL SHOALS HES 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	5HILLTOP 161 - 5ST_JOE 161 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	5ST_JOE 161 - EVERTON 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	STRUMAN - HARISBURG TAP 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1		6/1/2007	6/1/2007	Indeterminate
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR		6/1/2011	6/1/2011	Indeterminate
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	HARRISON-EAST - SUMMIT 161KV CKT 1		6/1/2016	6/1/2016	Indeterminate
ENTR	JONES - JONESBORO 161KV CKT 1 ENTR		6/1/2007	6/1/2007	Indeterminate
ENTR	JONESBORO - JONESBORO NORTH (AECC) 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	JONESBORO NORTH (AECC) - PARAGOULD SOUTH (AECC) 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1		6/1/2011	6/1/2011	Indeterminate
GSEC	GSEC Midway Interconnection #2	Install 7.2 MVAR Capacitor at GSEC Midway 69 kV	6/1/2011	6/1/2011	\$200,000.00
RAYBURN	BEN WHEELER - BARTONS CHAPEL	Diana - Bartons Chapel & Ben Wheeler - Bartons Chapel	6/1/2016	6/1/2016	Indeterminate
SWPA	BEAVER - EUREKA SPRINGS 161KV CKT 1 SWPA	Reconductor 6 miles of 795 ACSR with 1590 ACSR. Reconnect CT's to 1000:5 Tap on Bkrs 42, 32, & half or 22. Replace metering & reset relays for Line 2 & Line 3. Conduct Environmental Impact Study.	6/1/2013	6/1/2013	\$2,400,000.00
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	6/1/2007	6/1/2008	\$2,000.00

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

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: 59198 PECULR 7 345 59200 PHILL 7 345 1'
Flowgate: 59210592591591985920013108SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2008 Summer Peak

Table with 12 columns: Reservation, Relief Amount, Aggregate Relief Amount, Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, Aggregate Redispatch Amount (MW). Rows include various source and sink pairs like GREENWOOD 161KV, ARIES 161KV, LAKE ROAD 161KV, etc.

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

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

Upgrade: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Limiting Facility: MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1
Direction: To->From
Line Outage: 59198 PECULR 7 345 59200 PHILL 7 345 1'
Flowgate: 59210592591591985920013406WP
Date Redispatch Needed: 12/1/06 - 4/1/07
Season Flowgate Identified: 2006 Winter Peak

Table with 12 columns: Reservation, Relief Amount, Aggregate Relief Amount, Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, Aggregate Redispatch Amount (MW). Rows include various source and sink pairs like GREENWOOD 161KV, ARIES 161KV, LAKE ROAD 161KV, etc.

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

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

Upgrade: MEDICINE LODGE - SUN CITY 115KV CKT 1
Limiting Facility: MEDICINE LODGE - SUN CITY 115KV CKT 1
Direction: To->From
Line Outage: 58779 MULGRENE 230 58795 SPEARV/L6 230 1'
Flowgate: 58773587971587795879511107SH
Date Redispatch Needed: 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2007 Summer Shoulder

Summary table with 3 columns: Reservation, Relief Amount, Aggregate Relief Amount.

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

Table with multiple columns containing facility names (e.g., GETTY 69KV, HARPER 138KV), relief amounts, and maximum decrements/increments for various power sources and sinks.

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

Upgrade: ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER Displacement
Limiting Facility: ROSE HILL (ROSEHL3X) 345/138/13.8KV TRANSFORMER CKT 1
Direction: From->To
Line Outage: ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 1
Flowgate: ROSEHL3X2741ROSEHL1X7414208SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2008 Summer Peak

Table showing reservation details (1161506, 1161997) and a detailed source control area analysis with columns for Source, Sink, Maximum Decrement (MW), GSF, Factor, and Aggregate Redispatch Amount (MW).

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

Upgrade: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1 Expedite
Limiting Facility: SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1
Direction: From->To

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

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

Table with 3 columns: Reservation, Relief Amount, Aggregate Relief Amount. Rows include reservations 1158760, 1158761, 1162763, 1162766, 1162768.

Main data table with columns: Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, Aggregate Redispatch Amount (MW). Contains detailed data for various sink control areas and sinks.

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

Table with 8 columns: Source, Sink, Maximum Decrement (MW), GSF, Factor, and Aggregate Redispatch Amount (MW). Lists pairs of source and sink locations and their associated values.

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILLIPS 115KV CKT 1
Direction: From->To
Line Outage: EAST MCPHERSON - SUMMIT 230KV CKT 1
Flowgate: 5736857372156872568731211SP
Date Redispatch Needed: 6/1/09 - 7/1/09
Season Flowgate Identified: 2011 Summer Peak

Table with 3 columns: Reservation, Relief Amount, and Aggregate Relief Amount. Lists reservation numbers and their corresponding relief amounts.

Main data table with 12 columns: Source Control Area, Source, Maximum Increment (MW), GSF, Sink Control Area, Sink, Maximum Decrement (MW), GSF, Factor, and Aggregate Redispatch Amount (MW). Contains numerous rows of source-sink pair data.

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

Factor = Source GSF - Sink GSF

Redispatch Amount = Relief Amount / Factor

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - NORTH AMERICAN PHILLIPS 115KV CKT 1
Direction: From->To
Line Outage: NORTHVIEW - SUMMIT 115KV CKT 1
Flowgate: 57368573721573715738112208SP
Date Redispatch Needed: Starting 2008 6/1 - 10/1 Until EOC of Upgrade
Season Flowgate Identified: 2008 Summer Peak

Table with 3 columns: Reservation, Relief Amount, and Aggregate Relief Amount. Lists reservation numbers and their corresponding relief amounts.

Table with 12 columns: Source Control Area, Source, Maximum Increment (MW), GSF, Sink Control Area, Sink, Maximum Decrement (MW), GSF, Factor, and Aggregate Redispatch Amount (MW). Contains rows of source-sink pair data.

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

Table with 9 columns: WERE, EVANS N4 138 16KV, 360, -0.0001, WERE, SMOKEY HILLS 34KV, 152, 0.06209, -0.06219, 250. Rows include various WERE and SINK pairs like MCFHERSON 115KV and HUTCHINSON ENERGY CENTER 115KV.

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

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCFHERSON - SUMMIT 230KV CKT 1
Flowgate: 57368573811568725687312211SP
Date Redispatch Needed: 6/1/09 - 7/1/09
Season Flowgate Identified: 2011 Summer Peak

Table with 13 columns: Reservation, Relief Amount, Aggregate Relief Amount, Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, Aggregate Redispatch Amount (MW). Rows list various source and sink areas and their corresponding relief values.

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

Upgrade: WICHITA - RENO 345KV
Limiting Facility: EXIDE JUNCTION - SUMMIT 115KV CKT 1
Direction: To->From
Line Outage: EAST MCFHERSON - SUMMIT 230KV CKT 1
Flowgate: 57368573811568725687314208WP
Date Redispatch Needed: Starting 2008 12/1 - 4/1 Until EOC of Upgrade
Season Flowgate Identified: 2008 Winter Peak

Table with 13 columns: Reservation, Relief Amount, Aggregate Relief Amount, Source Control Area, Source, Maximum Increment(MW), GSF, Sink Control Area, Sink, Maximum Decrement(MW), GSF, Factor, Aggregate Redispatch Amount (MW). Rows list various source and sink areas and their corresponding relief values.

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

WERE	'HUTCHINSON ENERGY CENTER 69KV'	67	-0.40041	WERE	'KNOLL 3 115 115KV'	39.9	-0.09249	-0.30792	20
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CLAY CENTER JUUNCTION 115KV'	6.7	0.08529	-0.30088	20
WERE	'RICE 115KV'	999	-0.21559	WERE	'CLAY CENTER JUUNCTION 115KV'	6.7	0.08529	-0.30088	20
WERE	'ST JOHN 115KV'	7.5	-0.21559	WERE	'CLAY CENTER JUUNCTION 115KV'	6.7	0.08529	-0.30088	20
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.24385	25
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.24508	25
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'SMOKEY HILLS 34KV'	51	0.02972	-0.24531	25
WERE	'RICE 115KV'	999	-0.21559	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.24385	25
WERE	'RICE 115KV'	999	-0.21559	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.24508	25
WERE	'RICE 115KV'	999	-0.21559	WERE	'SMOKEY HILLS 34KV'	51	0.02972	-0.24531	25
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'LANG 7 345 345KV'	380	0.01517	-0.23076	26
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'LAWRENCE ENERGY CENTER 230KV'	154.9715	0.01814	-0.23373	26
WERE	'RICE 115KV'	999	-0.21559	WERE	'LANG 7 345 345KV'	380	0.01517	-0.23076	26
WERE	'RICE 115KV'	999	-0.21559	WERE	'LAWRENCE ENERGY CENTER 230KV'	154.9715	0.01814	-0.23373	26
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00468	-0.22027	27
WERE	'RICE 115KV'	999	-0.21559	WERE	'COFFEY COUNTY NO. 2 SHARPE 69KV'	19.61	0.00468	-0.22027	27
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.21821	28
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CITY OF AUGUSTA 69KV'	15.285	0.00121	-0.2168	28
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CITY OF IOLA 69KV'	19.902	0.00303	-0.21862	28
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00236	-0.21323	28
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'CLR 3 .575 34KV'	100	0.00228	-0.21787	28
WERE	'RICE 115KV'	999	-0.21559	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.21821	28
WERE	'RICE 115KV'	999	-0.21559	WERE	'CITY OF AUGUSTA 69KV'	15.285	0.00121	-0.2168	28
WERE	'RICE 115KV'	999	-0.21559	WERE	'CITY OF IOLA 69KV'	19.902	0.00303	-0.21862	28
WERE	'RICE 115KV'	999	-0.21559	WERE	'CITY OF WELLINGTON 69KV'	20	-0.00236	-0.21323	28
WERE	'RICE 115KV'	999	-0.21559	WERE	'CLR 3 .575 34KV'	100	0.00228	-0.21787	28
WERE	'GREAT BEND PLANT 69KV'	10	-0.17956	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.20782	29
WERE	'GREAT BEND PLANT 69KV'	10	-0.17956	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.20905	29
WERE	'GREAT BEND PLANT 69KV'	10	-0.17956	WERE	'SMOKEY HILLS 34KV'	51	0.02972	-0.20928	29
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'WACO 138KV'	17.414	-0.00427	-0.21132	29
WERE	'RICE 115KV'	999	-0.21559	WERE	'WACO 138KV'	17.414	-0.00427	-0.21132	29
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.12198	49
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'SMOKEY HILLS 34KV'	51	0.02972	-0.12221	49
WERE	'PAWNEE 115KV'	999	-0.21559	WERE	'KNOLL 3 115 115KV'	39.9	-0.09249	-0.1231	49
WERE	'RICE 115KV'	999	-0.21559	WERE	'KNOLL 3 115 115KV'	39.9	-0.09249	-0.1231	49
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.12075	50
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'LAWRENCE ENERGY CENTER 230KV'	154.9715	0.01814	-0.11063	55
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'LANG 7 345 345KV'	380	0.01517	-0.10766	56
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'CHANUTE 69KV'	34.903	0.00262	-0.09511	63
WERE	'KNOLL 3 115 115KV'	44.46	-0.09249	WERE	'CLR 3 .575 34KV'	100	0.00228	-0.09477	64
WEPL	'A. M. MULLERGREEN GENERATOR 115KV'	63	-0.17709	WEPL	'GRAY COUNTY WIND FARM 115KV'	60	-0.11605	-0.06104	99
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00481	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.0343	176
WERE	'GILL ENERGY CENTER 138KV'	218	-0.00481	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.03307	183
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00344	WERE	'JEFFREY ENERGY CENTER 345KV'	974.2261	0.02949	-0.03293	183
WERE	'GILL ENERGY CENTER 69KV'	118	-0.00344	WERE	'JEFFREY ENERGY CENTER 230KV'	490	0.02826	-0.0317	190

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