



*Aggregate Facility Study
SPP-2007-AG2-AFS-2
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

SPP AGGREGATE FACILITY STUDY (SPP-2007-AG2-AFS-2)

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 5032 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 \$118 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 \$217 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 \$199 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 December 3rd, 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 December 18th, 2007, an executed Letter of Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

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

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

2. Introduction

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

Approximately 5032 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with \$118 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 URL 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 2, Redispatch, in the Letter of Intent sent coincident with the initial AFS, the present worth analysis of revenue requirements will be based on the deferred term with redispatch in the subsequent AFS. The upgrade levelized revenue requirement includes interest, depreciation, and carrying costs.

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

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

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

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

B. Third-Party Facilities

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

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

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

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

3. Study Methodology

A. Description

The system impact analysis was conducted to determine the steady-state impact of the requested service on the SPP and first tier Non - SPP control area systems. The steady-state analysis was done to ensure current SPP Criteria and NERC Reliability Standards

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

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

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

B. Model Development

SPP used thirteen seasonal models to study the aggregate transfers of 5032 MW over a variety of requested service periods. The SPP MDWG 2007 Series Cases Update 2 2007 Fall Peak (07FA), 2007/08 Winter Peak (07WP), 2008 April (08AP), 2008 Spring Peak (08G), 2008 Summer Peak (08SP), 2008 Summer Shoulder (08SH), 2008 Fall Peak (08FA), 2008/09 Winter Peak (08WP), 2009 Summer Peak (09SP), 2009/10 Winter Peak (09WP), 2012 Summer Peak (12SP), 2012/13 Winter Peak (12WP), and 2017 Summer Peak (17SP) were used to study the impact of the requested service on the transmission system. The Spring Peak models apply to April and May, the Summer Peak models apply to June through September, the Fall Peak models apply to October and November, and the Winter Peak models apply to December through March.

The chosen base case models were modified to reflect the most current modeling information. Five groups of requests were developed from the aggregate of 5032 MW in order to minimize counter flows among requested service. Each request was included in at least two of the four groups depending on the requested path. All requests were included in group five. From the thirteen seasonal models, five system scenarios were developed. Scenario 1 includes SWPP OASIS transmission requests not already included in the SPP 2007 Series Cases flowing in a West to East direction with ERCOTN HVDC Tie South to North, ERCOTE HVDC Tie East to West, SPS exporting, and SPS importing from the Lamar HVDC Tie. Scenario 2 includes transmission requests not already included in the SPP 2007 Series Cases flowing in an East to West direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS exporting to the Lamar HVDC Tie. Scenario 3 includes transmission requests not already included in the SPP 2007 Series Cases flowing in a South to North direction

with ERCOTN HVDC tie South to North, ERCOTE HVDC tie East to West, SPS exporting, and SPS exporting to the Lamar HVDC Tie. Scenario 4 includes transmission requests not already included in the SPP 2007 Series Cases flowing in a North to South direction with ERCOTN HVDC tie North to South, ERCOTE HVDC tie East to West, SPS importing, and SPS importing from the Lamar HVDC tie. Scenario 5 include all transmission not already included in the SPP 2007 Series Cases with ERCOTN North to South, ERCOTE East to West, SPS importing and SPS exporting to the Lamar HVDC tie. The system scenarios were developed to minimize counter flows from previously confirmed, higher priority requests not included in the MDWG Base Case.

C. Transmission Request Modeling

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

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

D. Transfer Analysis

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

E. Curtailment and Redispatch Evaluation

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

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

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

4. Study Results

A. Study Analysis Results

Tables 1 through 6 contain the steady-state analysis results of the AFS. Table 1 identifies the participating long-term transmission service requests included in the AFS. This table lists deferred start and stop dates both with and without redispatch (based on customer selection of redispatch if available), the minimum annual allocated ATC without upgrades and season of first impact. Table 2 identifies total E & C cost allocated to each Transmission Customer, letter of credit requirements, third party E & C cost assignments, potential base plan E & C funding (lower of allocated E & C or Attachment J Section III B criteria) , total revenue requirements for assigned upgrades without consideration of potential base plan funding, point-to-point base rate charge, total revenue requirements for assigned upgrades with consideration of potential base plan funding, and final total cost allocation to the Transmission Customer. Table 3 provides additional details for each request including all assigned facility upgrades required, allocated E & C costs, allocated revenue requirements for upgrades, upgrades not assigned to customer but required for service to be confirmed, credits to be paid for previously assigned AFS facility upgrades, and any third party upgrades required. Table 4 lists all upgrade requirements with associated solutions needed to provide transmission service for the AFS, Minimum ATC per upgrade with season of impact, Earliest Date Upgrade is required (COD), Estimated Date of Upgrade Completion (EOC), and Estimated E & C cost. Table 5 lists identified Third-Party constrained facilities. Table 6 identifies potential redispatch pairs available to relieve the aggregate impacts on identified constraints to prevent deferral of start of service. Table 7 (if applicable) identifies deferred expansion plan projects that were replaced with requested upgrades at earlier dates.

The potential base plan funding allowable is contingent upon meeting each of the conditions for classifying upgrades associated with designated resources as base plan upgrades as defined in Section III.B of Attachment J. If the additional capacity of the

new or changed designated resource exceeds the 125% resource to load forecast for the year of start of service, the requested resource is not eligible for base plan funding of required network upgrades and the full cost of the upgrades is assignable to the customer. If the 5 year term and 125% resource to load criteria are met, the lesser of the planned maximum net dependable capacity (NDC) or the requested capacity is multiplied by \$180,000 to determine the potential base plan funding allowable. When calculating Base Plan Funding amounts that include a wind farm, the amount used is 10% of the requested amount of service, or the NDC. The Maximum Potential Base Plan Funding Allowable may be less than the potential base plan funding allowable due to the E & C Cost allocated to the customer being lower than the potential amount allowable to the customer. The customer is responsible for any assigned upgrade costs in excess of Potential Base Plan Engineering and Construction Funding Allowable.

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

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

Example A:

E & C allocated for upgrades is 74 million with revenue requirements of 140 million and PTP base rate of 101 million. Potential base plan funding is 47 million with the difference of 27 million E & C assignable to the customer. If the revenue requirements

for the assignable portion is 54 million and the PTP base rate is 101 million, the customer will pay the higher “OR” pricing of 101 million base rate of which 54 million revenue requirements will be paid back to the Transmission Owners for the upgrades and the remaining revenue requirements of (140-54) or 86 million will be paid by base plan funding.

Example B:

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

Example C:

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

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

Base plan funding verification requires that each Transmission Customer with potential for base plan funding provide SPP power supply contracts or agreements verifying that

the firm capacity of the requested designated resource is committed for a minimum five year duration.

B. Study Definitions

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

5. Conclusion

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

The Transmission Provider will tender a Letter of Intent on December 3rd, 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 December 18th, 2007, an executed Letter of

Intent. The Letter of Intent will list options the Customer must choose to clarify their commitment to remain in the ATSS. The only action required on OASIS is to WITHDRAW the request or leave the request in STUDY mode.

The Transmission Provider must receive an unconditional and irrevocable letter of credit in the amount of the total allocated Engineering and Construction costs assigned to the Customer. This letter of credit is not required for those facilities that are base plan funded. This amount is for all assignable Network Upgrades less pre-payment requirements. The amount of the letter of credit will be adjusted down on an annual basis to reflect amortization of these costs. The Transmission Provider will issue letters of authorization to construct facility upgrades to the constructing Transmission Owner. This date is determined by the engineering and construction lead time provided for each facility upgrade.

Appendix A

PSS/E CHOICES IN RUNNING LOAD FLOW PROGRAM AND ACCC

BASE CASES:

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

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

ACCC CASES:

Solutions – AC contingency checking (ACCC)

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

Newton Solution:

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

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

Customer	Study Number	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date without interim redispatch	Deferred Stop Date without interim redispatch	Start Date with interim redispatch	Stop Date with interim redispatch	Minimum Allocated ATC (MW) within reservation period	Season of Minimum Allocated ATC within reservation period
AEPM	AG2-2007-049	1283585	WFEC	CSWS	15	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
AEPM	AG2-2007-051	1283682	WFEC	CSWS	152	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
AEPM	AG2-2007-097	1286280	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-098	1286282	CSWS	EES	20	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-099	1286283	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-100	1286285	CSWS	EES	17	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-101	1286286	CSWS	EES	9	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-102	1286287	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2010	6/1/2015				0 09SP
AEPM	AG2-2007-104	1286442	CLEC	CSWS	240	1/1/2009	1/1/2010	6/1/2010	6/1/2011	1/1/2009	1/1/2010		0 08WP
AEPM	AG2-2007-105	1286444	MPS	CSWS	230	1/1/2009	1/1/2010	6/1/2010	6/1/2011				0 09SP
AEPM	AG2-2007-106	1286445	OKGE	CSWS	100	1/1/2009	1/1/2010	6/1/2010	6/1/2011	1/1/2009	1/1/2010		0 09SP
AEPM	AG2-2007-107	1286446	CSWS	CSWS	100	1/1/2009	1/1/2010	6/1/2010	6/1/2011	1/1/2009	1/1/2010		0 09SP
AEPM	AG2-2007-108	1286447	CSWS	CSWS	150	1/1/2009	1/1/2010	6/1/2010	6/1/2011	1/1/2009	1/1/2010		0 09SP
CWEP	AG2-2007-047	1283676	EES	SPA	12	6/1/2010	6/1/2040	6/1/2010	6/1/2040				0 12SP
ETEC	AG2-2007-015	1270433	CSWS	EES	50	1/1/2008	1/1/2009					50	N/A
KCPS	AG2-2007-073	1285906	KCPL	KCPL	101	6/1/2008	6/1/2028	6/1/2011	6/1/2031	6/1/2009	6/1/2029		0 08SH
KCPS	AG2-2007-109	1286498	KCPL	EES	82	1/1/2009	6/1/2010	6/1/2009	6/1/2010	1/1/2009	1/1/2010		0 09SP
KEPC	AG2-2007-028	1281648	WR	EDE	6	1/1/2008	1/1/2019	6/1/2010	6/1/2021				0 08AP
KPP	AG2-2007-072	1285893	WR	WR	8	11/1/2007	11/1/2017	6/1/2010	6/1/2020				0 07WP
KPP	AG2-2007-072	1285896	WR	WR	3	11/1/2007	11/1/2017	6/1/2010	6/1/2020				0 07WP
MIDW	AG2-2007-012	1268955	WR	WR	5	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2009	6/1/2014		0 08FA
MIDW	AG2-2007-013	1268959	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-014	1268965	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-034	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030				0 08FA
MIDW	AG2-2007-069	1285864	WR	WR	4	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2009	6/1/2014		0 08FA
MIDW	AG2-2007-069	1285865	WR	WR	3	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2009	6/1/2014		0 08FA
MIDW	AG2-2007-069	1285866	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2009	6/1/2014		0 08FA
MIDW	AG2-2007-069	1285867	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	6/1/2009	6/1/2014		0 08FA
MIDW	AG2-2007-070	1285869	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-071	1285872	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-071	1285873	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-077	1285942	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-077	1285943	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-077	1285944	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-078	1285946	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015		0 08FA
MIDW	AG2-2007-078	1285947	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015		0 08FA
MIDW	AG2-2007-078	1285948	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015		0 08FA
MIDW	AG2-2007-079	1285949	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015		0 08FA
MIDW	AG2-2007-079	1285950	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015		0 08FA
MIDW	AG2-2007-080	1285951	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-080	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-080	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015				0 08FA
MIDW	AG2-2007-081	1285958	WR	WR	2	6/1/2008	6/1/2010	6/1/2011	6/1/2013	6/1/2010	6/1/2012		0 08FA
MIDW	AG2-2007-081	1285959	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	6/1/2010	6/1/2012		0 08FA
MIDW	AG2-2007-081	1285960	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	6/1/2010	6/1/2012		0 08FA

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
OMPA	AG2-2007-039	1281733	WR	OKGE	51	12/1/2008	1/1/2014	6/1/2010	6/1/2015	12/1/2008	12/1/2013		0 09SP
OMPA	AG2-2007-058	1285606	WFEC	WFEC	48	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-059	1285609	OKGE	WFEC	48	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-060	1285610	CSWS	WFEC	48	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-061	1285612	CSWS	CSWS	282	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-062	1285614	OKGE	CSWS	282	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-063	1285616	WFEC	CSWS	282	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-064	1285621	WFEC	OKGE	650	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-065	1285622	OKGE	OKGE	650	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
OMPA	AG2-2007-074	1285908	CSWS	OKGE	650	1/1/2008	1/1/2031	6/1/2009	6/1/2032				0 08SP
PWX	AG2-2007-042	1282919	AMRN	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013				0 08SP
PWX	AG2-2007-044	1283102	LAM345	AMRN	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013				0 08SP
PWX	AG2-2007-048	1283767	OPPD	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013				0 08SP
SPRM	AG2-2007-110	1286502	WR	SPA	25	12/1/2008	12/1/2028	6/1/2010	6/1/2030				0 08WP
SPSM	AG2-2007-067	1280570	SPS	SPS	80	1/1/2009	1/1/2029	1/1/2009	1/1/2029				0 09SP
SPSM	AG2-2007-067	1280571	SPS	SPS	70	1/1/2009	1/1/2029	1/1/2009	1/1/2029				0 09SP
WFEC	AG2-2007-016	1278401	WFEC	WFEC	19	12/15/2007	12/15/2032	6/1/2010	6/1/2035				0 07WP
WRGS	AG2-2007-011D	1268638	KCPL	AMRN	20	6/1/2010	6/1/2015	6/1/2010	6/1/2015				0 12SP
WRGS	AG2-2007-017D	1278809	EES	SPA	20	3/1/2010	3/1/2040	3/1/2010	3/1/2040				0 12SP
WRGS	AG2-2007-018D	1278811	EES	SPA	20	3/1/2010	3/1/2040	3/1/2010	3/1/2040				0 12SP
WRGS	AG2-2007-019D	1278813	EES	SPA	7	3/1/2010	3/1/2040	3/1/2010	3/1/2040				0 12SP
WRGS	AG2-2007-085D	1286183	SECI	WR	105	5/1/2010	5/1/2020	6/1/2011	6/1/2021				0 12SP
WRGS	AG2-2007-092D	1286201	SECI	WR	99	3/1/2009	3/1/2019	6/1/2011	6/1/2021	6/1/2010	6/1/2020		0 09SP

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

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

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

Customer	Study Number	Reservation	⁵ Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3,6} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
AEPM	AG2-2007-049	1283585	\$ 2,013,480	\$ 1,526,295	\$ 270,000		Indeterminate	\$ 3,698,280	\$ 3,202,355	\$ -	\$ 3,202,355
AEPM	AG2-2007-051	1283682	\$ 3,114,808	\$ 161,623	\$ 2,736,000		Indeterminate	\$ 4,710,307	\$ 572,845	\$ -	\$ 572,845
AEPM	AG2-2007-097	1286280	\$ -	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-098	1286282	\$ -	\$ -	\$ -	10	Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-099	1286283	\$ -	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-100	1286285	\$ -	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-101	1286286	\$ -	\$ -	\$ -	10	Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-102	1286287	\$ -	\$ -	\$ -	10	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-104	1286442	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-105	1286444	\$ 16,715	\$ -	\$ -		Indeterminate	\$ 22,877	\$ 22,877	\$ -	\$ 22,877
AEPM	AG2-2007-106	1286445	\$ 284,625	\$ 277,236	\$ -		Indeterminate	\$ 385,537	\$ 385,537	\$ -	\$ 385,537
AEPM	AG2-2007-107	1286446	\$ 253,392	\$ 246,028	\$ -		Indeterminate	\$ 343,120	\$ 343,120	\$ -	\$ 343,120
AEPM	AG2-2007-108	1286447	\$ 445,695	\$ 434,645	\$ -		Indeterminate	\$ 603,786	\$ 603,786	\$ -	\$ 603,786
CWEP	AG2-2007-047	1283676	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 3,888,000	\$ 3,888,000
ETEC	AG2-2007-015	1270433	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 540,000	\$ 540,000
KCPS	AG2-2007-073	1285906	\$ 14,608,625	\$ 9,161,358	\$ 1,818,000		\$ -	\$ 40,795,309	\$ 35,718,454	\$ -	\$ 35,718,454
KCPS	AG2-2007-109	1286498	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 1,254,600	\$ 1,254,600
KEPC	AG2-2007-028	1281648	\$ 58,888	\$ -	\$ 58,888		Indeterminate	\$ 122,973	\$ -	\$ -	Schedule 9 Charges
KPP	AG2-2007-072	1285893	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
KPP	AG2-2007-072	1285896	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
MIDW	AG2-2007-012	1268955	\$ 130,348	\$ 130,348	\$ -		\$ -	\$ 270,853	\$ 270,853	\$ 452,400	\$ 452,400
MIDW	AG2-2007-013	1268959	\$ 30,550	\$ 9,818	\$ -		\$ -	\$ 56,032	\$ 56,032	\$ 90,480	\$ 90,480
MIDW	AG2-2007-014	1268965	\$ 2,950	\$ 2,950	\$ -		\$ -	\$ 6,496	\$ 6,496	\$ 90,480	\$ 90,480
MIDW	AG2-2007-034	1281706	\$ 6,550,985	\$ 4,958,165	\$ 450,000		\$ -	\$ 18,730,675	\$ 17,444,028	\$ -	\$ 17,444,028
MIDW	AG2-2007-069	1285864	\$ 104,279	\$ 104,279	\$ -		\$ -	\$ 216,683	\$ 216,683	\$ 361,920	\$ 361,920
MIDW	AG2-2007-069	1285865	\$ 78,209	\$ 78,209	\$ -		\$ -	\$ 162,512	\$ 162,512	\$ 271,440	\$ 271,440
MIDW	AG2-2007-069	1285866	\$ 52,139	\$ 52,139	\$ -		\$ -	\$ 108,341	\$ 108,341	\$ 180,960	\$ 180,960
MIDW	AG2-2007-069	1285867	\$ 26,070	\$ 26,070	\$ -		\$ -	\$ 54,171	\$ 54,171	\$ 90,480	\$ 90,480
MIDW	AG2-2007-070	1285869	\$ 61,107	\$ 19,639	\$ -		\$ -	\$ 112,078	\$ 112,078	\$ 180,960	\$ 180,960
MIDW	AG2-2007-071	1285872	\$ 5,900	\$ 5,900	\$ -		\$ -	\$ 12,992	\$ 12,992	\$ 180,960	\$ 180,960
MIDW	AG2-2007-071	1285873	\$ 5,900	\$ 5,900	\$ -		\$ -	\$ 12,992	\$ 12,992	\$ 180,960	\$ 180,960
MIDW	AG2-2007-077	1285942	\$ 1,254,236	\$ 1,137,190	\$ -		\$ -	\$ 2,695,660	\$ 2,695,660	\$ 180,960	\$ 2,695,660
MIDW	AG2-2007-077	1285943	\$ 627,118	\$ 568,595	\$ -		\$ -	\$ 1,347,830	\$ 1,347,830	\$ 90,480	\$ 1,347,830
MIDW	AG2-2007-077	1285944	\$ 627,118	\$ 568,595	\$ -		\$ -	\$ 1,347,830	\$ 1,347,830	\$ 90,480	\$ 1,347,830
MIDW	AG2-2007-078	1285946	\$ 1,094,539	\$ 284,482	\$ -		\$ -	\$ 1,971,622	\$ 1,971,622	\$ 271,440	\$ 1,971,622
MIDW	AG2-2007-078	1285947	\$ 729,695	\$ 189,655	\$ -		\$ -	\$ 1,314,419	\$ 1,314,419	\$ 180,960	\$ 1,314,419
MIDW	AG2-2007-078	1285948	\$ 364,852	\$ 94,829	\$ -		\$ -	\$ 657,218	\$ 657,218	\$ 90,480	\$ 657,218
MIDW	AG2-2007-079	1285949	\$ 316,144	\$ 81,360	\$ -		\$ -	\$ 569,289	\$ 569,289	\$ 180,960	\$ 569,289
MIDW	AG2-2007-079	1285950	\$ 158,071	\$ 40,680	\$ -		\$ -	\$ 284,643	\$ 284,643	\$ 90,480	\$ 284,643
MIDW	AG2-2007-080	1285951	\$ 1,604,410	\$ 1,454,685	\$ -		\$ -	\$ 3,448,269	\$ 3,448,269	\$ 180,960	\$ 3,448,269
MIDW	AG2-2007-080	1285952	\$ 1,604,410	\$ 1,454,685	\$ -		\$ -	\$ 3,448,269	\$ 3,448,269	\$ 180,960	\$ 3,448,269
MIDW	AG2-2007-080	1285953	\$ 802,211	\$ 727,348	\$ -		\$ -	\$ 1,724,147	\$ 1,724,147	\$ 90,480	\$ 1,724,147
MIDW	AG2-2007-081	1285958	\$ 316,144	\$ 81,360	\$ -		\$ -	\$ 514,420	\$ 514,420	\$ 72,384	\$ 514,420
MIDW	AG2-2007-081	1285959	\$ 158,071	\$ 40,680	\$ -		\$ -	\$ 257,209	\$ 257,209	\$ 36,192	\$ 257,209
MIDW	AG2-2007-081	1285960	\$ 158,071	\$ 40,680	\$ -		\$ -	\$ 257,209	\$ 257,209	\$ 36,192	\$ 257,209

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

Customer	Study Number	Reservation	⁵ Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3,6} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
OMPA	AG2-2007-039	1281733	\$ 932,313	\$ 932,313	\$ -		\$ -	\$ 1,372,810	\$ 1,372,810	\$ 3,453,210	\$ 3,453,210
OMPA	AG2-2007-058	1285606	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-059	1285609	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-060	1285610	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-061	1285612	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-062	1285614	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-063	1285616	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-064	1285621	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-065	1285622	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
OMPA	AG2-2007-074	1285908	\$ -	\$ -	\$ -	7	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
PWX	AG2-2007-042	1282919	\$ 16,666,667	\$ 16,666,667	\$ -		\$ -	\$ 20,714,989	\$ 20,714,989	\$ 905,424	\$ 20,714,989
PWX	AG2-2007-044	1283102	\$ 16,666,667	\$ 16,666,667	\$ -		\$ -	\$ 20,714,989	\$ 20,714,989	\$ 561,600	\$ 20,714,989
PWX	AG2-2007-048	1283767	\$ 16,666,667	\$ 16,666,667	\$ -		\$ -	\$ 20,714,989	\$ 20,714,989	\$ 905,424	\$ 20,714,989
SPRM	AG2-2007-110	1286502	\$ 431,487	\$ -	\$ 431,487		Indeterminate	\$ 1,273,123	\$ -	\$ -	Schedule 9 Charges
SPSM	AG2-2007-067	1280570	\$ 8,036,909	\$ -	\$ -		\$ -	\$ 16,653,872	\$ 16,653,872	\$ -	\$ 16,653,872
SPSM	AG2-2007-067	1280571	\$ 7,032,296	\$ -	\$ -		\$ -	\$ 14,572,139	\$ 14,572,139	\$ -	\$ 14,572,139
WFEC	AG2-2007-016	1278401	\$ 2,795,317	\$ -	\$ 342,000		Indeterminate	\$ 7,783,306	\$ 6,831,038	\$ -	\$ 6,831,038
WRGS	AG2-2007-011D	1268638	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 1,080,000	\$ 1,080,000
WRGS	AG2-2007-017D	1278809	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 6,480,000	\$ 6,480,000
WRGS	AG2-2007-018D	1278811	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 6,480,000	\$ 6,480,000
WRGS	AG2-2007-019D	1278813	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 2,268,000	\$ 2,268,000
WRGS	AG2-2007-089D	1286183	\$ -	\$ -	\$ -	8	\$ -	\$ -	\$ -	\$ -	Schedule 9 Charges
WRGS	AG2-2007-092D	1286201	\$ 10,660,148	\$ 7,924,549	\$ 1,782,000	9	\$ -	\$ 22,466,875	\$ 18,711,208	\$ -	\$ 18,711,208
			\$ 117,548,226					\$ 216,531,142	\$ 199,430,220		

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

Customer	Study Number	Reservation	⁵ Engineering and Construction Cost of Upgrades Allocated to Customer for Revenue Requirements	¹ Letter of Credit Amount Required	² Potential Base Plan Engineering and Construction Funding Allowable	Notes	⁴ Additional Engineering and Construction Cost for 3rd Party Upgrades	³ Total Revenue Requirements for Assigned Upgrades over term of reservation without potential base plan funding allocation	^{3,6} Total Revenue Requirements for Assigned Upgrades over term of reservation WITH potential base plan funding allocation	Point-to-Point Base Rate over reservation period	⁴ Total Cost of Reservation Assignable to Customer contingent upon base plan funding
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Note 1: Letter of Credit required for financial security for transmission owner for network upgrades is determined by direct assigned engineering and construction costs less engineering and construction costs for upgrades when network customer is the transmission owner less the E & C of expedited projects. A letter of credit is not required for those upgrades which are base plan funded or paid out of PTP base rate. The LOC amount listed is based on a designated resource meeting OATT Attachments J requirements for base plan funding.

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.

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

Note 5: E & C allocation for determination of allocated revenue requirements DOES include those upgrades estimated at \$100,000 or less. If these upgrades are for a designated resource, they will be base plan funded if not paid by PTP base rate. Also E & C allocation for expedited projects is not included in this total but utilized for RR to expedite the required in- service date. Thus this number sets the cap for base plan funding allowable for remaining assigned upgrades.

Note 6: RR with base plan funding may increase or decrease even if no base plan funding is applicable to a particular request if another request that shares the upgrade is now full base plan funded resulting in a different amortization period for the upgrade and thus different RR.

Note 7: Up to 79MW new resources in 2008 can be base funded based on load forecast of 648MW up to \$14,220,000 of upgrades.

Note 8: Load estimate of 5428MW provides up to 6785MW of resources in 2010

Note 9: Load estimate of 5304MW provides up to 6630MW of resources in 2009

Note 10: Base Plan funding approval pending.

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

Customer Study Number
 AEPM AG2-2007-049

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
AEPM	1283585	WFEC	CSWS	15	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ 270,000	\$ -	\$ 2,013,480	\$ 3,698,280
									\$ 270,000	\$ -	\$ 2,013,480	\$ 3,698,280

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283585	ALVA - CHEROKEE SW 69KV CKT 1 Displacement	12/1/2009	12/1/2009			\$ 537	\$ 2,483	\$ 993
	FT SUPPLY - WOODWARD 69KV CKT 1	6/1/2008	6/1/2010			\$ 1,706,629	\$ 4,500,000	\$ 3,233,379
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 40,805	\$ 1,450,815	\$ 78,120
	LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	6/1/2008	6/1/2010			\$ 11,276	\$ 125,000	\$ 18,069
	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 1,108	\$ 54,879	\$ 1,775
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 48,324	\$ 583,728	\$ 92,515
	TEXAS EASTMAN - WHITNEY 138KV CKT 1	6/1/2012	6/1/2012			\$ 204,801	\$ 2,300,000	\$ 273,430
Total						\$ 2,013,480	\$ 9,016,905	\$ 3,698,280

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 Date	Redispatch Available
1283585	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		
	ALVA - KNOBHILL 69KV CKT 1	6/1/2009	6/1/2009		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		
	FLINT CREEK - TONTITOWN 161KV CKT 1	6/1/2014	6/1/2014		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		

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 Date	Redispatch Available
1283585	FT SUPPLY 138/69KV TRANSFORMER CKT 1	12/1/2006	6/1/2008		
	HAMON BUTLER - MOREWOOD 69KV CKT 1	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		
	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	6/1/2006	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 Date	Redispatch Available
1283585	LINWOOD - MCWILLIE STREET 138KV CKT 1 #1	6/1/2008	6/1/2010		
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		
	Sayre Interconnect-Sweetwater-Durham>Brantley>Morewood to 138	6/1/2008	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1283585	6WELLS 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 AEPM AG2-2007-051

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
AEPM	1283682	WFEC	CSWS	152	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ 2,736,000	\$ -	\$ 3,114,808	\$ 4,710,307
									\$ 2,736,000	\$ -	\$ 3,114,808	\$ 4,710,307

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283682	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 409,582	\$ 1,450,815	\$ 784,132
	LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	6/1/2008	6/1/2010			\$ 113,724	\$ 125,000	\$ 182,233
	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 11,252	\$ 54,879	\$ 18,027
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 485,051	\$ 583,728	\$ 928,615
	TEXAS EASTMAN - WHITNEY 138KV CKT 1	6/1/2012	6/1/2012			\$ 2,095,199	\$ 2,300,000	\$ 2,797,300
Total						\$ 3,114,808	\$ 4,514,422	\$ 4,710,307

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 Date	Redispatch Available
1283682	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		
	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	6/1/2008	6/1/2010		
	CYRIL Voltage Conversion	6/1/2010	6/1/2010		
	FLINT CREEK - TONTITOWN 161KV CKT 1	6/1/2014	6/1/2014		
	HAMMETT - MEEKER 138KV CKT 1	6/1/2010	6/1/2010		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	RUSH SPRINGS 69KV	6/1/2010	6/1/2010		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		

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 Date	Redispatch Available
1283682	HUGO POWER PLANT - VALLIANT 345 KV AEPW	5/1/2010	5/1/2010		
	HUGO POWER PLANT - VALLIANT 345 KV WFEC	5/1/2010	5/1/2010		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1283682	LINWOOD - MCWILLIE STREET 138KV CKT 1 #1	6/1/2008	6/1/2010		
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1283682	8WELLS - 500.00 - WEBRE 500KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
AEPM AG2-2007-097

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	1286280	CSWS	EES	11	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286280	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1286280	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286280	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		
	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 Date	Redispatch Available
1286280	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	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 AG2-2007-098

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	1286282	CSWS	EES	20	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286282	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1286282	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286282	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		
	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 Date	Redispatch Available
1286282	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286282	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DOC BONIN 230/138KV TRANSFORMER CKT 1	6/1/2009	6/1/2009			\$ 3,259,687	\$ 3,500,000
Total						\$ 3,259,687	\$ 3,500,000

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

Customer Study Number
 AEPM AG2-2007-099

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	1286283	CSWS	EES	19	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286283	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 Date	Redispatch Available
1286283	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286283	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		
	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 Date	Redispatch Available
1286283	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	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 AG2-2007-100

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
AEPM	1286285	CSWS	EES	17	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286285	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 Date	Redispatch Available
1286285	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		No
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		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 Date	Redispatch Available
1286285	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		
	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 Date	Redispatch Available
1286285	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		Yes

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

Customer Study Number
AEPM AG2-2007-101

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
AEPM	1286286	CSWS	EES	9	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286286	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1286286	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286286	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		
	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 Date	Redispatch Available
1286286	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286286	4BAYOU CV 138.00 - JENNINGS 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	DOC BONIN 230/138KV TRANSFORMER CKT 1	6/1/2009	6/1/2009			\$ 240,313	\$ 3,500,000
	HARTBURG - INLAND-ORANGE 230KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
	HELBIG BULK - MCLEWIS 230KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	INLAND-ORANGE - MCLEWIS 230KV CKT 1	6/1/2011	6/1/2011			\$ -	\$ -
Total						\$ 240,313	\$ 3,500,000

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

Customer Study Number
AEPM AG2-2007-102

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	1286287	CSWS	EES	25	1/1/2009	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286287	COCODRIE 230/138KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1286287	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2009	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286287	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		
	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 Date	Redispatch Available
1286287	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	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 AG2-2007-104

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		
AEPM	1286442	CLEC	CSWS	240	1/1/2009	1/1/2010	6/1/2010	6/1/2011	\$ -	\$ -	\$ 306,542	\$ -		
											\$ -	\$ -	\$ 306,542	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286442	CARROLL 230/138KV TRANSFORMER CKT 1	6/1/2009	6/1/2009			\$ -	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009			\$ 306,542	\$ 325,000	\$ -
	EAST LEESVILLE - RODEMACHER 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -	\$ -
	LEESVILLE 230/138KV TRANSFORMER CKT 1	6/1/2009	6/1/2009			\$ -	\$ -	\$ -
Total						\$ 306,542	\$ 325,000	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286442	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2009	6/1/2010		Yes
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	6/1/2009	6/1/2010		Yes
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	6/1/2009	6/1/2010		Yes
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		Yes

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286442	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	12/1/2008	12/1/2008		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	12/1/2008	12/1/2008		
	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286442	4COWLTP 138.00 - HEBERT 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	4COWLTP 138.00 - LAKE CHARLES BULK 138 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	4BAYOUCV 138.00 - HEBERT 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	4BAYOUCV 138.00 - JENNINGS 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	4TAMINA 138.00 - TAMINA 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	COUCH SES - LEWIS 115KV CKT 1	12/1/2009	12/1/2009			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	12/1/2008	12/1/2008			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	6/1/2009	6/1/2010		Yes	\$ -	\$ -
	OAK RIDGE - TAMINA 138KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 AEPM AG2-2007-105

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	1286444	MPS	CSWS	230	1/1/2009	1/1/2010	6/1/2010	6/1/2011	\$ -	\$ -	\$ 16,715	\$ 22,877	
										\$ -	\$ -	\$ 16,715	\$ 22,877

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286444	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 16,715	\$ 54,879	\$ 22,877
Total						\$ 16,715	\$ 54,879	\$ 22,877

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 Date	Redispatch Available
1286444	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		

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 Date	Redispatch Available
1286444	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		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286444	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286444	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 AEPM AG2-2007-106

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
AEPM	1286445	OKGE	CSWS	100	1/1/2009	1/1/2010	6/1/2010	6/1/2011	\$ -	\$ -	\$ 284,625	\$ 385,537
										\$ -	\$ 284,625	\$ 385,537

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286445	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 277,236	\$ 1,450,815	\$ 376,535
	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 7,389	\$ 54,879	\$ 9,002
						Total	\$ 284,625	\$ 1,505,693

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 Date	Redispatch Available
1286445	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		Yes
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		Yes
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		No
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		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 Date	Redispatch Available
1286445	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 Date	Redispatch Available
1286445	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286445	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
						Total	\$ -

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

Customer Study Number
 AEPM AG2-2007-107

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	1286446	CSWS	CSWS	100	1/1/2009	1/1/2010	6/1/2010	6/1/2011	\$ -	\$ -	\$ 253,392	\$ 343,120	
										\$ -	\$ -	\$ 253,392	\$ 343,120

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1286446	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 246,026	\$ 1,450,815	\$ 334,149	
	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 7,364	\$ 54,879	\$ 8,971	
						Total	\$ 253,392	\$ 1,505,693	\$ 343,120

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 Date	Redispatch Available
1286446	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		Yes
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		No
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		Yes
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		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 Date	Redispatch Available
1286446	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 Date	Redispatch Available
1286446	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	
1286446	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -	
						Total	\$ -	\$ -

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

Customer Study Number
 AEPM AG2-2007-108

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	1286447	CSWS	CSWS	150	1/1/2009	1/1/2010	6/1/2010	6/1/2011	\$ -	\$ -	\$ 445,695	\$ 603,786
									\$ -	\$ -	\$ 445,695	\$ 603,786

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286447	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 434,645	\$ 1,450,815	\$ 590,324
	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	6/1/2009	6/1/2010		Yes	\$ 11,050	\$ 54,879	\$ 13,462
Total						\$ 445,695	\$ 1,505,693	\$ 603,786

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 Date	Redispatch Available
1286447	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		Yes
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		No
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2009	6/1/2010		Yes
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2010		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 Date	Redispatch Available
1286447	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 Date	Redispatch Available
1286447	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	6/1/2008	6/1/2010		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 1	6/1/2008	6/1/2009		Yes
	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	6/1/2008	6/1/2009		Yes

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286447	CLARENCE - MONTGOMERY 230KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 CWEP AG2-2007-047

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
CWEP	1283676	EES	SPA	12	6/1/2010	6/1/2040			\$ -	\$ 3,888,000	\$ 18,458	\$ -
									\$ -	\$ 3,888,000	\$ 18,458	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283676	SLEAD HL 161.00 - BULL SHOALS 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009			\$ 18,458	\$ 325,000	\$ -
	MIAMI EAST NEO - SENECA 69KV CKT 1 GRDA	6/1/2017	6/1/2017			\$ -	\$ -	\$ -
Total						\$ 18,458	\$ 325,000	\$ -

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1283676	SCALCR - NORFORK 161KV CKT 1 SWPA	6/1/2012	6/1/2012		
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BONANAZA TAP - NORTH HUNTINGTON 161KV	6/1/2015	6/1/2015		
	BULL SHOALS - BULL SHOALS 161KV CKT 1	6/1/2012	6/1/2012		
	CARTHAGE (CRG X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012		
	CARTHAGE (CRG X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2012	6/1/2012		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2012	6/1/2012		
	KERR - PENSACOLA 115KV CKT 1	12/1/2012	12/1/2012		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	12/1/2008	6/1/2009		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 184 - NEOSHO SOUTH JCT. (NEOSHO) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1283676	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1283676	3RDST - ARKOMA 161KV CKT 1	6/1/2016	6/1/2016		
	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	12/1/2008	12/1/2008		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	12/1/2008	12/1/2008		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2010	6/1/2010		
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1283676	2CLARK 69.000 - MILO 69KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5CALCR - NORFORK 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
	5ST JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	CLARK (CAMP CLA) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ -	\$ -
	CLINTON - OSCEOLA 161KV CKT 1	6/1/2016	6/1/2016			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	12/1/2008	12/1/2008			\$ -	\$ -
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	6/1/2009	6/1/2009			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
	MIAMI - MIAMI EAST NEO 69KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	MIAMI EAST NEO - SENECA 69KV CKT 1 AECI	6/1/2017	6/1/2017			\$ -	\$ -
	MT VERNON - SUB 446 - CHESAPEAKE 69KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	NEOSHO - NEOSHO AECI 69KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	SENECA - WALKERVILLE TAP 69KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
					Total	\$ -	\$ -

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

Customer Study Number
 ETEC AG2-2007-015

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
ETEC	1270433	CSWS	EES	50	1/1/2008	1/1/2009			\$ -	\$ 540,000	\$ -	\$ -
									\$ -	\$ 540,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1270433	None					\$ -	\$ -	\$ -
					Total	\$ -	\$ -	\$ -

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

Customer Study Number
 KCPS AG2-2007-073

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
KCPS	1285906	KCPL	KCPL	101	6/1/2008	6/1/2028	6/1/2011	6/1/2031	\$ 1,818,000	\$ -	\$ 14,608,625	\$ 40,795,309
									\$ 1,818,000	\$ -	\$ 14,608,625	\$ 40,795,309

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285906	CRAIG - LENEXA SOUTH 161KV CKT 1	6/1/2017	6/1/2017			\$ 192,000	\$ 192,000	\$ 432,351
	ECKLES - SIBLEY 161KV CKT 1	12/1/2012	12/1/2012			\$ -	\$ -	\$ -
	EDWARDS - PAWNEE-EDWARDS JCT 115KV	6/1/2009	6/1/2011			\$ 271,828	\$ 626,384	\$ 685,217
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 1,677,833	\$ 3,866,303	\$ 4,229,440
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			\$ 3,437,267	\$ 4,123,800	\$ 11,708,541
	KINSLEY - PAWNEE-EDWARDS JCT 115KV	6/1/2009	6/1/2011			\$ 1,471,619	\$ 3,391,115	\$ 3,709,621
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 4,052,128	\$ 10,000,000	\$ 10,421,866
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 1,693,456	\$ 3,902,303	\$ 4,268,822
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 1,812,494	\$ 4,176,609	\$ 5,339,451
Total						\$ 14,608,625	\$ 30,278,514	\$ 40,795,309

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 Date	Redispatch Available
1285906	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2010		Yes
	AVONDALE - GLADSTONE 161KV CKT 1	6/1/2011	6/1/2011		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2008	6/1/2009		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	RAYTOWN - SUB N 161KV CKT 1	12/1/2008	6/1/2010		Yes
	RAYTOWN - SUB N 161KV CKT 1	12/1/2008	6/1/2009		Yes
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2010		Yes
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285906	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 Date	Redispatch Available
1285906	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	6/1/2008	6/1/2009		Yes
	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2009		Yes
	COOK - ST JOE 161KV CKT 1	6/1/2011	6/1/2011		
	HALLMARK - RITCHFIELD 161KV CKT 1	6/1/2017	6/1/2017		
	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	6/1/2008	6/1/2009		Yes
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2012	6/1/2012		

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

Customer Study Number
 KCPS AG2-2007-109

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	1286498	KCPL	EES	82	1/1/2009	6/1/2010	6/1/2009		\$ -	\$ 1,254,600	\$ -	\$ -
									\$ -	\$ 1,254,600	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286498	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
 KEPC AG2-2007-028

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
KEPC	1281648	WR	EDE	6	1/1/2008	1/1/2019	6/1/2010	6/1/2021	\$ 58,888	\$ -	\$ 58,888	\$ 122,973
									\$ 58,888	\$ -	\$ 58,888	\$ 122,973

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1281648	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 58,888	\$ 10,000,000	\$ 122,973
Total						\$ 58,888	\$ 10,000,000	\$ 122,973

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 Date	Redispatch Available
1281648	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2009	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BONANAZA TAP - NORTH HUNTINGTON 161KV	6/1/2015	6/1/2015		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHASE - WHITE JUNCTION 69KV CKT 1	6/1/2017	6/1/2017		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	Hawthorn 161KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	KERR - PENSACOLA 115KV CKT 1	12/1/2012	12/1/2012		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	Riley 161KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		
	Stillwell 345KV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 291 - BAXTER SPRINGS 12TH ST. - SUB 406 - RIVERTON SOUTH 69KV CKT 1	6/1/2016	6/1/2016		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281648	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281648	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2010	6/1/2010		
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69kV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1281648	5ST JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLINTON - OSCEOLA 161KV CKT 1	6/1/2016	6/1/2016			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
KPP AG2-2007-072

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
KPP	1285893	WR	WR	8	11/1/2007	11/1/2017	6/1/2010	6/1/2020	\$ -	\$ -	\$ -	\$ -
KPP	1285896	WR	WR	3	11/1/2007	11/1/2017	6/1/2010	6/1/2020	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285893	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -
1285896	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 Date	Redispatch Available
1285893	ANTIOCH - OXFORD 161KV CKT 1	6/1/2008	6/1/2010		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2010		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2008	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
1285896	AUBURN ROAD (AUBRN77X) 230/115/113.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2010		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	6/1/2015	6/1/2015		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	10/1/2008	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285893	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285896	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285893	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	6/1/2016	6/1/2016		
	CRESWELL - OAK 69KV CKT 1 #1 Displacement	6/1/2015	6/1/2015		
	CRESWELL - OAK 69KV CKT 1 #2 Displacement	6/1/2015	6/1/2015		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	12/1/2008	6/1/2010		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		
1285896	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	6/1/2016	6/1/2016		
	CRESWELL - OAK 69KV CKT 1 #1 Displacement	6/1/2015	6/1/2015		
	CRESWELL - OAK 69KV CKT 1 #2 Displacement	6/1/2015	6/1/2015		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	12/1/2008	6/1/2010		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		

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

Customer Study Number
MIDW AG2-2007-012

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	1268955	WR	WR	5	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 452,400	\$ 130,348	\$ 270,853
									\$ -	\$ 452,400	\$ 130,348	\$ 270,853

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268955	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 130,348	\$ 500,000	\$ 270,853
Total						\$ 130,348	\$ 500,000	\$ 270,853

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 Date	Redispatch Available
1268955	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1268955	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1268955	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-013

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	1268959	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 30,550	\$ 56,032
									\$ -	\$ 90,480	\$ 30,550	\$ 56,032

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268959	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 1,102	\$ 626,384	\$ 1,858
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011			\$ 6,801	\$ 3,866,303	\$ 11,468
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 5,965	\$ 3,391,115	\$ 10,058
	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 2,472	\$ 500,000	\$ 5,444
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 6,864	\$ 3,902,303	\$ 11,574
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 7,346	\$ 4,176,609	\$ 15,630
Total						\$ 30,550	\$ 16,462,714	\$ 56,032

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 Date	Redispatch Available
1268959	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1268959	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2008		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1268959	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-014

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1268965	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 2,950	\$ 6,496
									\$ -	\$ 90,480	\$ 2,950	\$ 6,496

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268965	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 2,950	\$ 500,000	\$ 6,496
Total						\$ 2,950	\$ 500,000	\$ 6,496

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 Date	Redispatch Available
1268965	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1268965	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1268965	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-034

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
MIDW	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	\$ 450,000	-	\$ 6,550,985	\$ 18,730,675
									\$ 450,000	\$ -	\$ 6,550,985	\$ 18,730,675

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1281706	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 45,317	\$ 626,384	\$ 119,660
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 279,713	\$ 3,866,303	\$ 738,587
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 245,335	\$ 3,391,115	\$ 647,811
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 200,310	\$ 10,000,000	\$ 541,717
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 2,818,903	\$ 8,730,000	\$ 9,548,081
	MIDLAND JUNCTION - PENTAGON 115KV CKT 1	6/1/2017	6/1/2017			\$ 2,000,000	\$ 2,000,000	\$ 4,403,454
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 290,138	\$ 1,000,000	\$ 790,796
	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 86,790	\$ 500,000	\$ 273,855
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 282,317	\$ 3,902,303	\$ 745,463
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 302,162	\$ 4,176,609	\$ 921,249
Total						\$ 6,550,985	\$ 38,192,714	\$ 18,730,675

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 Date	Redispatch Available
1281706	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281706	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281706	ALLEN 69KV Capacitor	6/1/2017	6/1/2017		
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	ATHENS 69KV Capacitor	6/1/2017	6/1/2017		
	Athens to Owl Creek 69 kV	6/1/2017	6/1/2017		
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		No
	Green to Vernon 69 kV	6/1/2017	6/1/2017		
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2017	6/1/2017		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2017	6/1/2017		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	TIOGA 69KV Capacitor	6/1/2017	6/1/2017		
	Vernon to Athens 69 kV	6/1/2017	6/1/2017		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-069

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	1285864	WR	WR	4	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 361,920	\$ 104,279	\$ 216,683
MIDW	1285865	WR	WR	3	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 271,440	\$ 78,209	\$ 162,512
MIDW	1285866	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 52,139	\$ 108,341
MIDW	1285867	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 26,070	\$ 54,171
									\$ -	\$ 904,800	\$ 260,697	\$ 541,707

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285864	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 104,279	\$ 500,000	\$ 216,683
Total						\$ 104,279	\$ 500,000	\$ 216,683
1285865	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 78,209	\$ 500,000	\$ 162,512
Total						\$ 78,209	\$ 500,000	\$ 162,512
1285866	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 52,139	\$ 500,000	\$ 108,341
Total						\$ 52,139	\$ 500,000	\$ 108,341
1285867	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 26,070	\$ 500,000	\$ 54,171
Total						\$ 26,070	\$ 500,000	\$ 54,171

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 Date	Redispatch Available
1285864	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

1285865	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
1285866	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

1285867	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285864	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285865	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285866	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285867	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285864	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285865	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285866	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285867	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-070

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1285869	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 61,107	\$ 112,078
									\$ -	\$ 180,960	\$ 61,107	\$ 112,078

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285869	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 2,204	\$ 626,384	\$ 3,716
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011			\$ 13,603	\$ 3,866,303	\$ 22,937
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 11,931	\$ 3,391,115	\$ 20,118
	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 4,944	\$ 500,000	\$ 10,887
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 13,730	\$ 3,902,303	\$ 23,152
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 14,695	\$ 4,176,609	\$ 31,267
Total						\$ 61,107	\$ 16,462,714	\$ 112,078

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 Date	Redispatch Available
1285869	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1285869	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285869	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-071

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	1285872	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 5,900	\$ 12,992
MIDW	1285873	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 5,900	\$ 12,992
									\$ -	\$ 361,920	\$ 11,800	\$ 25,985

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285872	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 5,900	\$ 500,000	\$ 12,992
Total						\$ 5,900	\$ 500,000	\$ 12,992
1285873	RULETON 115KV Capacitor	6/1/2010	6/1/2010			\$ 5,900	\$ 500,000	\$ 12,992
Total						\$ 5,900	\$ 500,000	\$ 12,992

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 Date	Redispatch Available
1285872	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		No

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

1285873	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115kV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	MIDWAY - ST JOE 161KV CKT 1	12/1/2012	12/1/2012		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1285872	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285873	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285872	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285873	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-077

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
MIDW	1285942	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 1,254,236	\$ 2,695,660
MIDW	1285943	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 627,118	\$ 1,347,830
MIDW	1285944	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 627,118	\$ 1,347,830
									\$ -	\$ 361,920	\$ 2,508,472	\$ 5,391,319

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285942	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,137,190	\$ 8,730,000	\$ 2,491,938
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 117,046	\$ 1,000,000	\$ 203,722
	Total					\$ 1,254,236	\$ 9,730,000	\$ 2,695,660
1285943	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 568,595	\$ 8,730,000	\$ 1,245,969
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 58,523	\$ 1,000,000	\$ 101,861
	Total					\$ 627,118	\$ 9,730,000	\$ 1,347,830
1285944	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 568,595	\$ 8,730,000	\$ 1,245,969
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 58,523	\$ 1,000,000	\$ 101,861
	Total					\$ 627,118	\$ 9,730,000	\$ 1,347,830

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 Date	Redispatch Available
1285942	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010		Yes
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes

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

1285943	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010	
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010	Yes
	Centerville Cap Bank	6/1/2010	6/1/2010	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010	Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012	
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012	
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010	Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009	No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012	
	PRATT 138KV Capacitor	6/1/2008	6/1/2009	No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009	No
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010	Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012	
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010	Yes
1285944	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010	
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010	Yes
	Centerville Cap Bank	6/1/2010	6/1/2010	
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010	Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012	
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012	
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010	Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009	No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012	
	PRATT 138KV Capacitor	6/1/2008	6/1/2009	No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009	No
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012	
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010	Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012	
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010	Yes

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285942	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285943	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285944	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285942	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285943	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285944	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 MIDW AG2-2007-078

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	1285946	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 271,440	\$ 1,094,539	\$ 1,971,622
MIDW	1285947	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 180,960	\$ 729,695	\$ 1,314,419
MIDW	1285948	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 90,480	\$ 364,852	\$ 657,218
									\$ -	\$ 542,880	\$ 2,189,086	\$ 3,943,259

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285946	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 42,665	\$ 626,384	\$ 71,942
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 263,346	\$ 3,866,303	\$ 444,054
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 230,979	\$ 3,391,115	\$ 389,477
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 7,269	\$ 1,000,000	\$ 12,652
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 265,798	\$ 3,902,303	\$ 448,189
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 284,482	\$ 4,176,609	\$ 605,308
	Total					\$ 1,094,539	\$ 16,962,714	\$ 1,971,622
1285947	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 28,443	\$ 626,384	\$ 47,961
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 175,565	\$ 3,866,303	\$ 296,038
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 153,987	\$ 3,391,115	\$ 259,653
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 4,846	\$ 1,000,000	\$ 8,435
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 177,199	\$ 3,902,303	\$ 298,793
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 189,655	\$ 4,176,609	\$ 403,539
	Total					\$ 729,695	\$ 16,962,714	\$ 1,314,419
1285948	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 14,222	\$ 626,384	\$ 23,981
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 87,783	\$ 3,866,303	\$ 148,020
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 76,994	\$ 3,391,115	\$ 129,827
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 2,423	\$ 1,000,000	\$ 4,217
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 88,601	\$ 3,902,303	\$ 149,399
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 94,829	\$ 4,176,609	\$ 201,773
	Total					\$ 364,852	\$ 16,962,714	\$ 657,218

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 Date	Redispatch Available
1285946	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

1285947	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
1285948	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285946	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285947	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285948	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285946	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285947	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285948	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-079

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	1285949	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 180,960	\$ 316,144	\$ 569,289
MIDW	1285950	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 90,480	\$ 158,071	\$ 284,643
									\$ -	\$ 271,440	\$ 474,215	\$ 853,932

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285949	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 12,202	\$ 626,384	\$ 20,575
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 75,315	\$ 3,866,303	\$ 126,996
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 66,058	\$ 3,391,115	\$ 111,387
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 5,193	\$ 1,000,000	\$ 9,039
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 76,016	\$ 3,902,303	\$ 128,178
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 81,360	\$ 4,176,609	\$ 173,114
Total						\$ 316,144	\$ 16,962,714	\$ 569,289
1285950	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 6,101	\$ 626,384	\$ 10,288
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 37,657	\$ 3,866,303	\$ 63,497
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 33,029	\$ 3,391,115	\$ 55,694
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 2,596	\$ 1,000,000	\$ 4,518
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 38,008	\$ 3,902,303	\$ 64,089
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 40,680	\$ 4,176,609	\$ 86,557
Total						\$ 158,071	\$ 16,962,714	\$ 284,643

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 Date	Redispatch Available
1285949	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

1285950	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285949	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285950	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285949	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285950	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
MIDW AG2-2007-080

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1285951	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 1,604,410	\$ 3,448,269
MIDW	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 180,960	\$ 1,604,410	\$ 3,448,269
MIDW	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2010	6/1/2015	\$ -	\$ 90,480	\$ 802,211	\$ 1,724,147
									\$ -	\$ 452,400	\$ 4,011,031	\$ 8,620,685

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285951	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,454,685	\$ 8,730,000	\$ 3,187,669
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 149,725	\$ 1,000,000	\$ 260,600
	Total					\$ 1,604,410	\$ 9,730,000	\$ 3,448,269
1285952	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 1,454,685	\$ 8,730,000	\$ 3,187,669
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 149,725	\$ 1,000,000	\$ 260,600
	Total					\$ 1,604,410	\$ 9,730,000	\$ 3,448,269
1285953	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	\$ 727,348	\$ 8,730,000	\$ 1,593,846
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 74,863	\$ 1,000,000	\$ 130,301
	Total					\$ 802,211	\$ 9,730,000	\$ 1,724,147

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 Date	Redispatch Available
1285951	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010		Yes
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012			
WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	
1285952	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010		Yes
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012			
WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		Yes	

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

1285953	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING S	6/1/2008	6/1/2010		Yes
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1285951	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285952	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285953	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285951	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285952	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285953	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69kV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 MIDW AG2-2007-081

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
MIDW	1285958	WR	WR	2	6/1/2008	6/1/2010	6/1/2011	6/1/2013	\$ -	\$ 72,384	\$ 316,144	\$ 514,420
MIDW	1285959	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	\$ -	\$ 36,192	\$ 158,071	\$ 257,209
MIDW	1285960	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	\$ -	\$ 36,192	\$ 158,071	\$ 257,209
									\$ -	\$ 144,768	\$ 632,286	\$ 1,028,838

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285958	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 12,202	\$ 626,384	\$ 18,458
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 75,315	\$ 3,866,303	\$ 113,926
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 66,058	\$ 3,391,115	\$ 99,924
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 5,193	\$ 1,000,000	\$ 8,108
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 76,016	\$ 3,902,303	\$ 114,987
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 81,360	\$ 4,176,609	\$ 159,018
	Total					\$ 316,144	\$ 16,962,714	\$ 514,420
1285959	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 6,101	\$ 626,384	\$ 9,229
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 37,657	\$ 3,866,303	\$ 56,962
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 33,029	\$ 3,391,115	\$ 49,962
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 2,596	\$ 1,000,000	\$ 4,053
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 38,008	\$ 3,902,303	\$ 57,493
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 40,680	\$ 4,176,609	\$ 79,509
	Total					\$ 158,071	\$ 16,962,714	\$ 257,209
1285960	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 6,101	\$ 626,384	\$ 9,229
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 37,657	\$ 3,866,303	\$ 56,962
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 33,029	\$ 3,391,115	\$ 49,962
	RICE_CO 115KV	6/1/2008	6/1/2010		No	\$ 2,596	\$ 1,000,000	\$ 4,053
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 38,008	\$ 3,902,303	\$ 57,493
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 40,680	\$ 4,176,609	\$ 79,509
	Total					\$ 158,071	\$ 16,962,714	\$ 257,209

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 Date	Redispatch Available
1285958	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST_JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST_JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

1285959	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST _JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST _JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
1285960	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		No
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	PHILLIPSBURG - RHOADES 115 kV	6/1/2008	6/1/2009		No
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST _JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST _JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285958	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285959	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
1285960	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2006	6/1/2006		
	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285958	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285959	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes
1285960	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		Yes

*Less than 69KV System Impacts and Upgrades have yet to be determined.

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

Customer Study Number
 OMPA AG2-2007-039

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
OMPA	1281733	WR	OKGE	51	12/1/2008	1/1/2014	6/1/2010	6/1/2015	\$ -	\$ 3,453,210	\$ 932,313	\$ 1,372,810
									\$ -	\$ 3,453,210	\$ 932,313	\$ 1,372,810

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1281733	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 932,313	\$ 10,000,000	\$ 1,372,810
Total						\$ 932,313	\$ 10,000,000	\$ 1,372,810

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 Date	Redispatch Available
1281733	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	6/1/2009	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	OXFORD 138KV Capacitor	6/1/2010	6/1/2010		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2010	6/1/2010		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		No
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1281733	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Customer Study Number
 OMPA AG2-2007-058

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1285606	WFEC	WFEC	48	1/1/2008	1/1/2031	6/1/2009	6/1/2032	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285606	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 Date	Redispatch Available
1285606	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		

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

Customer Study Number
 OMPA AG2-2007-059

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	1285609	OKGE	WFEC	48	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
\$ - \$ - \$ - \$ -												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285609	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
 OMPA AG2-2007-060

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	1285610	CSWS	WFEC	48	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
\$ - \$ - \$ - \$ -												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285610	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
 OMPA AG2-2007-061

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	1285612	CSWS	CSWS	282	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
\$ - \$ - \$ - \$ -												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285612	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
 OMPA AG2-2007-062

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1285614	OKGE	CSWS	282	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
\$ - \$ - \$ - \$ -												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285614	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Customer Study Number
OMPA AG2-2007-063

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1285616	WFEC	CSWS	282	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
Total												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285616	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
OMPA AG2-2007-064

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1285621	WFEC	OKGE	650	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
Total												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285621	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
OMPA AG2-2007-065

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
OMPA	1285622	OKGE	OKGE	650	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
Total												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285622	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
OMPA AG2-2007-074

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
OMPA	1285908	CSWS	OKGE	650	1/1/2008	1/1/2031			\$ -	\$ -	\$ -	\$ -
Total												

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285908	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

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

Customer Study Number
 PWX AG2-2007-042

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
PWX	1282919	AMRN	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013	\$ -	\$ 905,424	\$ 16,666,667	\$ 20,714,989
									\$ -	\$ 905,424	\$ 16,666,667	\$ 20,714,989

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1282919	Lamar HVDC Tie Expansion	10/1/2007	6/1/2012			\$ 16,666,667	\$ 50,000,000	\$ 20,714,989
Total						\$ 16,666,667	\$ 50,000,000	\$ 20,714,989

Customer Study Number
 PWX AG2-2007-044

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
PWX	1283102	LAM345	AMRN	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013	\$ -	\$ 561,600	\$ 16,666,667	\$ 20,714,989
									\$ -	\$ 561,600	\$ 16,666,667	\$ 20,714,989

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283102	Lamar HVDC Tie Expansion	10/1/2007	6/1/2012			\$ 16,666,667	\$ 50,000,000	\$ 20,714,989
Total						\$ 16,666,667	\$ 50,000,000	\$ 20,714,989

Customer Study Number
 PWX AG2-2007-048

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
PWX	1283767	OPPD	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013	\$ -	\$ 905,424	\$ 16,666,667	\$ 20,714,989
									\$ -	\$ 905,424	\$ 16,666,667	\$ 20,714,989

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283767	Lamar HVDC Tie Expansion	10/1/2007	6/1/2012			\$ 16,666,667	\$ 50,000,000	\$ 20,714,989
Total						\$ 16,666,667	\$ 50,000,000	\$ 20,714,989

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

Customer Study Number
 SPRM AG2-2007-110

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
SPRM	1286502	WR	SPA	25	12/1/2008	12/1/2028	6/1/2010	6/1/2030	\$ 431,487	\$ -	\$ 431,487	\$ 1,273,123
									\$ 431,487	\$ -	\$ 431,487	\$ 1,273,123

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286502	SLEAD HL 161.00 - BULL SHOALS 161KV CKT 1	6/1/2015	6/1/2015			\$ -	\$ -	\$ -
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2009	6/1/2010			\$ 42,519	\$ 1,450,815	\$ 150,798
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 338,615	\$ 10,000,000	\$ 943,743
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 50,353	\$ 583,728	\$ 178,582
Total						\$ 431,487	\$ 12,034,543	\$ 1,273,123

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 Date	Redispatch Available
1286502	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		
	412SUB - KERR 161KV CKT 1	6/1/2011	6/1/2011		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		
	CLAY - SPRINGFIELD 161KV CKT 1 SPRM	6/1/2012	6/1/2012		
	CLAY - SPRINGFIELD 161KV CKT 1 SWPA	6/1/2012	6/1/2012		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	GRAND - MAIN 69KV CKT 1	6/1/2017	6/1/2017		
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	12/1/2008	6/1/2009		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	JAMES RIVER - SEMINOLE 69KV CKT 1	6/1/2015	6/1/2015		
	JAMES RIVER - TWIN OAKS 69KV CKT 1	6/1/2014	6/1/2014		
	KICKAPOO - SUNSET 69KV CKT 1	6/1/2013	6/1/2013		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NEERGARD - NORTON 69KV CKT 1	6/1/2009	6/1/2010		
	NIXA - NIXA DT2 69.000 69KV CKT 1	6/1/2011	6/1/2011		
	NIXA (NIXA X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2009	10/1/2009		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	RAYTOWN - SUB N 161KV CKT 1	12/1/2008	6/1/2010		
	RAYTOWN - SUB N 161KV CKT 1	12/1/2008	6/1/2009		
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	6/1/2017	6/1/2017		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286502	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286502	BROOKLINE - JUNCTION 161KV CKT 1	6/1/2011	6/1/2011		
	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	6/1/2012	6/1/2012		
	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1 Displacement	6/1/2010	6/1/2010		
	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69kV TRANSFORMER CKT 1 Displacement	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	4/1/2008	12/1/2009		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286502	5BEE BR - QUITMAN 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	5ST_JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLINTON - OSCEOLA 161KV CKT 1	6/1/2016	6/1/2016			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	FRANKS - FT WOOD 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
SPSM AG2-2007-067

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	1280570	SPS	SPS	80	1/1/2009	1/1/2029			\$ -	\$ -	\$ 8,036,909	\$ 16,653,872
SPSM	1280571	SPS	SPS	70	1/1/2009	1/1/2029			\$ -	\$ -	\$ 7,032,296	\$ 14,572,139
									\$ -	\$ -	\$ 15,069,205	\$ 31,226,011

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1280570	Hart Interchange 230/115 kV	6/1/2015	6/1/2015			\$ 8,028,733	\$ 15,053,875	\$ 16,629,663
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	6/1/2009	6/1/2009			\$ 8,176	\$ 15,330	\$ 24,209
					Total	\$ 8,036,909	\$ 15,069,205	\$ 16,653,872
1280571	Hart Interchange 230/115 kV	6/1/2015	6/1/2015			\$ 7,025,142	\$ 15,053,875	\$ 14,550,956
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	6/1/2009	6/1/2009			\$ 7,154	\$ 15,330	\$ 21,183
					Total	\$ 7,032,296	\$ 15,069,205	\$ 14,572,139

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 Date	Redispatch Available
1280570	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	6/1/2012	6/1/2012		
	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2012	6/1/2012		
	DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2016	6/1/2016		
	Hitchland Interchange Project	6/1/2013	6/1/2013		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2013	6/1/2013		
	Stateline Project	6/1/2011	6/1/2011		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	6/1/2017	6/1/2017		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2013	6/1/2013		
1280571	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	6/1/2012	6/1/2012		
	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2	6/1/2012	6/1/2012		
	DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3	6/1/2016	6/1/2016		
	Hitchland Interchange Project	6/1/2013	6/1/2013		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2013	6/1/2013		
	Stateline Project	6/1/2011	6/1/2011		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	6/1/2017	6/1/2017		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2013	6/1/2013		

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

Customer Study Number
WFEC AG2-2007-016

Customer	Reservation	POR	POD	Requested Amount	Requested Start Date	Requested Stop Date	Deferred Start Date Without Redispatch	Deferred Stop Date Without Redispatch	Potential Base Plan Funding Allowable	Point-to-Point Base Rate	Allocated E & C Cost	Total Revenue Requirements
WFEC	1278401	WFEC	WFEC	19	12/15/2007	12/15/2032	6/1/2010	6/1/2035	\$ 342,000	\$ -	\$ 2,795,317	\$ 7,783,306
									\$ 342,000	\$ -	\$ 2,795,317	\$ 7,783,306

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278401	ALVA - CHEROKEE SW 69KV CKT 1 Displacement	12/1/2009	12/1/2009			\$ 1,946	\$ 2,483	\$ 5,288
	FT SUPPLY - WOODWARD 69KV CKT 1	6/1/2008	6/1/2010			\$ 2,793,371	\$ 4,500,000	\$ 7,778,019
	Total					\$ 2,795,317	\$ 4,502,483	\$ 7,783,306

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 Date	Redispatch Available
1278401	ACME - WEST NORMAN 69KV CKT 1	12/1/2007	6/1/2008		
	BROWN - RUSSETT 138KV CKT 1 SWPA	6/1/2012	6/1/2012		
	BROWN - RUSSETT 138KV CKT 1 WFEC	6/1/2012	6/1/2012		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		
	COLBERT - TEXOMA 138 KV CKT 1	6/1/2008	6/1/2010		
	CYRIL Voltage Conversion	6/1/2010	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2011		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2011		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	GLASSES - RUSSETT 138KV CKT 1	6/1/2011	6/1/2011		
	HAMMETT - MEEKER 138KV CKT 1	6/1/2010	6/1/2010		
	PHAROAH - WEELETKA 138KV CKT 1 SWPA	6/1/2012	6/1/2012		
	PHAROAH - WEELETKA 138KV CKT 1 WFEC	6/1/2012	6/1/2012		
	RUSH SPRINGS 69KV	6/1/2010	6/1/2010		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2012	6/1/2012		
	RUSSETT - RUSSETT 138KV CKT 1 WFEC	6/1/2012	6/1/2012		
	TWIN LAKES CAP BANK	6/1/2008	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 Date	Redispatch Available
1278401	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		
	HAMON BUTLER - MOREWOOD 69KV CKT 1	6/1/2006	4/1/2008		

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 Date	Redispatch Available
1278401	HAMON BUTLER - MOREWOOD 69KV CKT 1	12/1/2007	6/1/2008		
	Sayre Interconnect>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2008	6/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278401	3ALPINE# 115.00 - 3AMITY * 115.00 115KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	3ALPINE# 115.00 - 3BISMRK 115KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	3BISMRK - 3HSEHVV 115KV CKT 1	4/1/2008	4/1/2008			\$ -	\$ -
	Total					\$ -	\$ -

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

Customer Study Number
WRGS AG2-2007-011D

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	1268638	KCPL	AMRN	20	6/1/2010	6/1/2015			\$ -	\$ 1,080,000	\$ -	\$ -
									\$ -	\$ 1,080,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268638	None					\$ -	\$ -	\$ -
Total						\$ -	\$ -	\$ -

Customer Study Number
WRGS AG2-2007-017D

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	1278809	EES	SPA	20	3/1/2010	3/1/2040			\$ -	\$ 6,480,000	\$ -	\$ -
									\$ -	\$ 6,480,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278809	SASHRVL - IDALIA 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
	POPLAR BLUFF (PBL X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	POPLAR BLUFF (PBL X3) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1278809	STRUM-W# - HERGETT 161KV CKT 1 SWPA	6/1/2014	6/1/2014		
	BONANAZA TAP - NORTH HUNTINGTON 161KV	6/1/2015	6/1/2015		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2012	6/1/2012		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278809	SASHRVL - POPLAR BLUFF 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	STRUM-W# - HERGETT 161KV CKT 1 ENTR	6/1/2014	6/1/2014			\$ -	\$ -
	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	GREEN FOREST - ST FRANCIS 1 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 WRGS AG2-2007-018D

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	1278811	EES	SPA	20	3/1/2010	3/1/2040			\$ -	\$ 6,480,000	\$ -	\$ -
									\$ -	\$ 6,480,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278811	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	KENNETT (KEN X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	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 Date	Redispatch Available
1278811	STRUM-W# - HERGETT 161KV CKT 1 SWPA	6/1/2014	6/1/2014		
	HERGETT - JONES 161KV CKT 1 SWPA	6/1/2011	6/1/2011		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2012	6/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278811	STRUM-W# - HERGETT 161KV CKT 1 ENTR	6/1/2014	6/1/2014			\$ -	\$ -
	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
	Total					\$ -	\$ -

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

Customer Study Number
 WRGS AG2-2007-019D

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	1278813	EES	SPA	7	3/1/2010	3/1/2040			\$ -	\$ 2,268,000	\$ -	\$ -
									\$ -	\$ 2,268,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1278813	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	KENNETT (KEN X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
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 Date	Redispatch Available
1278813	STRUM-W# - HERGETT 161KV CKT 1 SWPA	6/1/2014	6/1/2014		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2012	6/1/2012		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278813	STRUM-W# - HERGETT 161KV CKT 1 ENTR	6/1/2014	6/1/2014			\$ -	\$ -
	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	IDALIA 161/69KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	IDALIA 161/69KV TRANSFORMER CKT 2	6/1/2015	6/1/2015			\$ -	\$ -
	JONES - JONESBORO 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
Total						\$ -	\$ -

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

Customer Study Number
 WRGS AG2-2007-085D

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	1286183	SECI	WR	105	5/1/2010	5/1/2020	6/1/2011	6/1/2021	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286183	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 Date	Redispatch Available
1286183	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	AUBURN ROAD (AUBURN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115kV Capacitor	6/1/2013	6/1/2013		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2010		Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stillwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stillwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		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 Date	Redispatch Available
1286183	ALLEN 69KV Capacitor	6/1/2017	6/1/2017		
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	ATHENS 69KV Capacitor	6/1/2017	6/1/2017		
	Athens to Owl Creek 69 kV	6/1/2017	6/1/2017		
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		No
	Green to Vernon 69 kV	6/1/2017	6/1/2017		
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2017	6/1/2017		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2017	6/1/2017		
	TIOGA 69KV Capacitor	6/1/2017	6/1/2017		
	Vernon to Athens 69 kV	6/1/2017	6/1/2017		

Customer Study Number
 WRGS AG2-2007-092D

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

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	1286201	SECI	WR	99	3/1/2009	3/1/2019	6/1/2011	6/1/2021	\$ 1,782,000	\$ -	\$ 10,660,148	\$ 22,466,875
									\$ 1,782,000	\$ -	\$ 10,660,148	\$ 22,466,875

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286201	East Manhattan - SW Manhattan 115kV Displacement	6/1/2009	6/1/2011		Yes	\$ 424,258	\$ 424,258	\$ 902,892
	EAST MANHATTAN (EMANH3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	6/1/2009	6/1/2011		Yes	\$ 400,234	\$ 400,234	\$ 851,765
	East Manhattan to McDowell 230 kV Displacement	6/1/2009	6/1/2011		Yes	\$ 129,107	\$ 129,107	\$ 274,761
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 177,896	\$ 626,384	\$ 355,639
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 1,098,058	\$ 3,866,303	\$ 2,195,146
	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			\$ 686,533	\$ 4,123,800	\$ 1,805,522
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 963,101	\$ 3,391,115	\$ 1,925,351
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 4,417,746	\$ 10,000,000	\$ 8,911,156
	RICE_CO 115KV	6/1/2008	6/1/2010			\$ 68,744	\$ 1,000,000	\$ 141,855
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 1,108,282	\$ 3,902,303	\$ 2,215,585
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 1,186,187	\$ 4,176,609	\$ 2,887,203
Total						\$ 10,660,148	\$ 32,040,114	\$ 22,466,875

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 Date	Redispatch Available
1286201	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	6/1/2016	6/1/2016		
	BLUE SPRINGS EAST CAP BANK	6/1/2010	6/1/2010		
	Centerville Cap Bank	6/1/2010	6/1/2010		
	Cimarron Plant Substation Expansion	6/1/2009	6/1/2010		No
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2010		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COX 69KV CAPACITOR	6/1/2015	6/1/2015		
	Craig (542978) Cap Bank Phase 1	6/1/2012	6/1/2012		
	Craig (542978) Cap Bank Phase 2	6/1/2012	6/1/2012		
	Craig 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	EAST MANHATTAN 115KV Capacitor	6/1/2013	6/1/2013		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	6/1/2010	6/1/2010		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION	6/1/2008	6/1/2010		Yes
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	HARPER 138KV Capacitor	6/1/2008	6/1/2009		No
	Hawthorn 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	Hawthorn and W Gardner Cap Banks	6/1/2012	6/1/2012		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2009	6/1/2010		Yes
	HOOVER NORTH - LAKERIDGE 138KV CKT 1	6/1/2010	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2010	6/1/2010		
	MILL 161KV CAPACITOR	6/1/2013	6/1/2013		
	NIXA 161KV CAP BANK	6/1/2014	6/1/2014		
	NORTH CIMARRON 115KV Capacitor	6/1/2009	6/1/2010		No
	NORTON 161KV CAPACITOR	6/1/2013	6/1/2013		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2009	6/1/2010		Yes
	PRATT 138KV Capacitor	6/1/2008	6/1/2009		No
	Riley 161kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	ST JOHN 115KV Capacitor #1	6/1/2008	6/1/2009		No
	ST JOHN 115KV Capacitor #2	6/1/2012	6/1/2012		
	Stilwell 345kV 50MVar Cap Bank	6/1/2012	6/1/2012		
	STRANGER CREEK - NW LEAVENWORTH 115KV	6/1/2015	6/1/2015		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2009	6/1/2009		
	SUB 124 - AURORA H.T. 161KV	6/1/2011	6/1/2011		
	SUB 438 - RIVERSIDE 161KV	6/1/2009	6/1/2010		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2010		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	6/1/2012	6/1/2012		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2010		No

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

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 Date	Redispatch Available
1286201	RENO 345/115KV CKT 1	6/1/2009	6/1/2010		
	RENO 345/115KV CKT 2	6/1/2010	6/1/2010		
	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286201	ALLEN 69KV Capacitor	6/1/2017	6/1/2017		
	ASH GROVE JCT2 - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	ATHENS 69KV Capacitor	6/1/2017	6/1/2017		
	Athens to Owl Creek 69 kV	6/1/2017	6/1/2017		
	CHANUTE TAP - TIOGA 69KV CKT 1	6/1/2017	6/1/2017		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2009	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2009	6/1/2010		Yes
	Green to Vernon 69 kV	6/1/2017	6/1/2017		
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2017	6/1/2017		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	6/1/2017	6/1/2017		
	TIOGA 69KV Capacitor	6/1/2017	6/1/2017		
	Vernon to Athens 69 kV	6/1/2017	6/1/2017		
	WICHITA - RENO 345KV	12/1/2007	6/1/2009		No

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

Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1 #2	Replace Linwood Switches 10872 & 10873 and replace breaker jumpers	6/1/2008	6/1/2010	\$ 125,000
AEPW	LINWOOD - POWELL STREET 138KV CKT 1 Displacement	Replace Breaker, Switches, & Jumpers @ Linwood. Replace circuit switcher @ Powell Street	6/1/2009	6/1/2010	\$ 54,879
AEPW	TEXAS EASTMAN - WHITNEY 138KV CKT 1	Rebuild 2.49 miles with 1590 ACSR	6/1/2012	6/1/2012	\$ 2,300,000
CELE	CARROLL 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
CELE	COCODRIE 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
CELE	EAST LEESVILLE - RODEMACHER 230KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
CELE	LEESVILLE 230/138KV TRANSFORMER CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	Rebuild line to 1590 ACSR	6/1/2009	6/1/2010	\$ 1,450,815
GRDA	MIAMI EAST NEO - SENECA 69KV CKT 1 GRDA	Indeterminate	6/1/2017	6/1/2017	\$ -
GRDA	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1 Displacement	Rebuild line to 1590 ACSR	6/1/2010	6/1/2010	\$ 583,728
INDN	ECKLES - SIBLEY 161KV CKT 1	Reconductor	12/1/2012	12/1/2012	\$ -
KACP	CRAIG - LENEXA SOUTH 161KV CKT 1	Replace breaker	6/1/2017	6/1/2017	\$ 192,000
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161kv line to 345kv	6/1/2012	6/1/2012	\$ 4,123,800
MIDW	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	Rebuild 2.9 miles	6/1/2009	6/1/2011	\$ 626,384
MIDW	EDWARDS - ST JOHN 115KV	Rebuild 17.9 miles	6/1/2009	6/1/2011	\$ 3,866,303
MIDW	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	Rebuild 15.7 miles	6/1/2009	6/1/2011	\$ 3,391,115
MIDW	RICE_CO 115KV	Install Capacitor at RICE_CO 115KV	6/1/2008	6/1/2010	\$ 1,000,000
MIDW	Spearville - Kinsley 115 kv MIDW	Build new 22.8 mile 115 kv line from Spearville to North Kinsley with 1192 ACSR	6/1/2009	6/1/2011	\$ 3,902,303
SPS	Hart Interchange 230/115 kv	New 230/115 kv Hart Interchange tapping the Potter to Plant X 230 kv line with new 115 kv 397 ACSR ckt to Kress Int. 3-brkr 230 kv ring, 150 MVA auto, 115 kv terminal	6/1/2015	6/1/2015	\$ 15,053,875
SPS	LAMAR 345KV SVC	Install 100/50MVAR SVC	6/1/2012	6/1/2012	\$ 10,000,000
SPS	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	Replace Terminal Equipment	6/1/2009	6/1/2009	\$ 15,330
SUNC	RULETON 115KV Capacitor	Install addition 12 MVAR Capacitor at Ruleton 115KV	6/1/2010	6/1/2010	\$ 500,000
SUNC	Spearville - Kinsley 115 kv SUNC	Build new 22.8 mile 115 kv line from Spearville to North Kinsley.	6/1/2009	6/1/2011	\$ 4,176,609
SWPA	5ASHRVL - IDALIA 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
SWPA	5LEAD HL 161.00 - BULL SHOALS 161KV CKT 1	Indeterminate	6/1/2015	6/1/2015	\$ -
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	Replace wave trap, disconnect switches, current transformers, and breaker. Bus will limit rating to 1340 amps.	6/1/2009	6/1/2009	\$ 325,000
SWPA	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
SWPA	KENNETT (KEN X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
SWPA	POPLAR BLUFF (PBL X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
SWPA	POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
SWPA	POPLAR BLUFF (PBL X3) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
WERE	East Manhattan - SW Manhattan 115KV Displacement	Build new 115KV line from East Manhattan to new SW Manhattan substation	6/1/2009	6/1/2011	\$ 424,258
WERE	EAST MANHATTAN (EMANH3X) 230/115/18.0KV TRANSFORMER CKT 2 Displacement	Add second parallel 230-115kv transformer at E Manhattan	6/1/2009	6/1/2011	\$ 400,234
WERE	East Manhattan to McDowell 230 kv Displacement	The East Manhattan-McDowell 115 kv is built as a 230 kv line, but is operated at 115 kv. Substation work will have to be performed in order to convert this line.	6/1/2009	6/1/2011	\$ 129,107
WERE	LYONS - WHEATLAND 115KV CKT 1	Rebuild 19.4 miles	6/1/2008	6/1/2010	\$ 8,730,000
WERE	MIDLAND JUNCTION - PENTAGON 115KV CKT 1	Replace sturture for 100C operation	6/1/2017	6/1/2017	\$ 2,000,000
WFEC	ALVA - CHEROKEE SW 69KV CKT 1 Displacement	Change CT ratio	12/1/2009	12/1/2009	\$ 2,483
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSR	6/1/2008	6/1/2010	\$ 4,500,000

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

Construction Pending Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.				
Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	Tie Line, Reconductor 1.09 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	12/1/2008	12/1/2008
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1 #1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	6/1/2008	6/1/2010
AEPW	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	Replace Longwood Autotransformer	6/1/2008	6/1/2010
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	6/1/2008	6/1/2009
AEPW	SOUTHWEST SHREVEPORT (SW SHV 1) 345/138/13.8KV TRANSFORMER CKT 2	Replace Auto, two 138 kV breakers and five 138 kV switches. Reset relays and CTs	6/1/2008	6/1/2009
EMDE	JOPLIN 59 - SUB 439 - STATELINE 161KV CKT 1 Displacement	Install new line from Sub #439 to new Sub Joplin 59.	6/1/2010	6/1/2010
EMDE	JOPLIN 59 - SUB 59 - JOPLIN 26TH ST. 161/69KV TRANSFORMER CKT 1 Displacement	Install 3-wind transformer from 161 kV Joplin 59 bus to Sub #59 Joplin 26th St.	6/1/2010	6/1/2010
KACP	MARTIN CITY - REDEL 161KV CKT 1	reconductor 1192 acss upgrade terminal equip 2000 amp	6/1/2009	6/1/2010
MIPU	COOK - ST JOE 161KV CKT 1	Conductor, Switch, Relay	6/1/2011	6/1/2011
MIPU	HALLMARK - RITCHFIELD 161KV CKT 1	Replace Wavetraps	6/1/2017	6/1/2017
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	6/1/2008	6/1/2010
MIPU	PLATTE CITY - SMITHVILLE 161KV CKT 1	Replace wavetrap	6/1/2012	6/1/2012
OKGE	3RDS - ARKOMA 161KV CKT 1	Replace 8-1200A switches & 2-wave traps.	6/1/2016	6/1/2016
OKGE	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	12/1/2008	12/1/2008
SPRM	BROOKLINE - JUNCTION 161KV CKT 1	Reconductor 1182 AAC with 1158.4 ACSS/TW	6/1/2011	6/1/2011
SPRM	BROOKLINE - SUMMIT 345 kV CKT 1 Displacement	Build a 345 kV line from Brookline to Summit substation and install a 345/161 kV autotransformer at Summit	6/1/2012	6/1/2012
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	6/1/2009	6/1/2009
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kV line.	6/1/2008	6/1/2009
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kV line.	6/1/2008	6/1/2009
WERE	ALLEN 69KV Capacitor	Allen 69 kV 15 MVAR Capacitor Addition	6/1/2017	6/1/2017
WERE	ARKANSAS CITY - PARIS 69KV CKT 1 #1 Displacement	Replace Disconnect Switches and Bus Jumpers at Paris and Ark City 69 kV substations	6/1/2016	6/1/2016
WERE	ASH GROVE JCT2 - TIOGA 69KV CKT 1	Rebuild 2.13 miles	6/1/2017	6/1/2017
WERE	ATHENS 69KV Capacitor	Athens 69 kV 15 MVAR Capacitor Addition	6/1/2017	6/1/2017
WERE	Athens to Owl Creek 69 kV	Rebuild 2.93 miles Athens to Owl Creek 69 kV (138kV/69kV Operation)	6/1/2017	6/1/2017
WERE	CHANUTE TAP - TIOGA 69KV CKT 1	Replace Jumpers	6/1/2017	6/1/2017
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line, Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	Replace Terminal Equipment.	6/1/2009	6/1/2010
WERE	CRESWELL - OAK 69KV CKT 1 #1 Displacement	Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.	6/1/2015	6/1/2015
WERE	CRESWELL - OAK 69KV CKT 1 #2 Displacement	Rebuild 5.82 miles	6/1/2015	6/1/2015
WERE	Green to Vernon 69 kV	Rebuild 7.19 miles Green to Vernon 69 kV (138kV/69kV Operation)	6/1/2017	6/1/2017
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 kV line.	6/1/2008	6/1/2009
WERE	LEHIGH TAP - OWL CREEK 69KV CKT 1	Tear down / Rebuild 8.47-mile 69 kV line; 954 kcmil ACSR	6/1/2017	6/1/2017
WERE	NEOSHO - NORTHEAST PARSONS 138KV CKT 1	Replace bus and Jumpers at NE Parsons 138 kV substation	6/1/2017	6/1/2017
WERE	SUMMIT - RENO 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	4/1/2008	12/1/2009
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1 Displacement	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kV line but operate at 69 kV.	12/1/2008	6/1/2010
WERE	TIOGA 69KV Capacitor	Tioga 69 kV 15 MVAR Capacitor Addition	6/1/2017	6/1/2017
WERE	Vernon to Athens 69 kV	Rebuild 5.17 miles Green to Vernon 69 kV (138kV/69kV Operation)	6/1/2017	6/1/2017
WERE	WICHITA - RENO 345KV	40 mile 345 kV transmission line from existing Wichita 345 kV substation to a new 345-115 kV substation in Reno County east northeast of Hutchinson (Wichita to Reno).	12/1/2007	6/1/2009
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	12/1/2007	6/1/2008
WFEC	Sayre interconnect>Sweetwater>Durham>Brantley>Morewood to 138 KV	Sayre to Sweetwater>Durham>Brantley>MorewoodSw convert to 138 KV	6/1/2008	6/1/2009

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

Expansion Plan Projects - The requested service is contingent upon completion of the following upgrades. Cost is not assignable to the transmission customer.				
Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	6/1/2009	6/1/2010
AEPW	BONANAZA TAP - NORTH HUNTINGTON 161KV	Convert to 161kV and rebuild North Huntington - Huntington - Midland REC - Midland 161 kV - Sugar Loaf Tap - Excelsior - Bonanza Tap, add a xfmr at Midland	6/1/2015	6/1/2015
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	6/1/2008	6/1/2010
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
AEPW	FLINT CREEK - TONTTOWN 161KV CKT 1	Rebuild 16.3 miles of 2-297 ACSR with 2156 ACSR. Replace Flint Creek wavetrap & jumpers. Replace Flint Creek switch # 1K75	6/1/2014	6/1/2014
AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1	Rebuild 7.8 miles with 2156 ACSR. Replace Longwood wavetrap jumpers	6/1/2009	6/1/2010
AEPW	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 AEPW	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2010
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	6/1/2009	6/1/2010
EMDE	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	Change CT Ratio at Sub #383 on Breaker #16186 for 268 MVA Rate B	6/1/2017	6/1/2017
EMDE	SUB 124 - AURORA H.T. 161KV	Install 3 - stages of 22 MVAR each for total of 66 MVAR capacitor bank at Aurora Sub #124 bus# 547537	6/1/2011	6/1/2011
EMDE	SUB 184 - NEOSHO SOUTH JCT. (NEOSHO) 161/69/13.2KV TRANSFORMER CKT 1	Change out 84 MVA transformer to 112 MVA transformer	6/1/2011	6/1/2011
EMDE	SUB 291 - BAXTER SPRINGS 12TH ST. - SUB 406 - RIVERTON SOUTH 69KV CKT 1	Change CT settings for Breaker #6957 at Sub #271 for a new rating of 61 MVA	6/1/2016	6/1/2016
EMDE	SUB 438 - RIVERSIDE 161KV	Install 3 - stages of 22 MVAR each for a total of 66 MVAR capacitor bank at Riverside Sub #438 547497	6/1/2009	6/1/2010
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	6/1/2009	6/1/2010
GRDA	412SUB - KERR 161KV CKT 1	Reconductor 12.5 miles with 1590MCM ACSR	6/1/2011	6/1/2011
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Add a second 50 MVA Transformer at Afton Substation.	6/1/2009	6/1/2010
GRDA	KERR - PENSACOLA 115KV CKT 1	Rebuild 22 miles of line from 4/0 Cu to 795 ACSR for 161kV	12/1/2012	12/1/2012
KACP	ANTIOCH - OXFORD 161KV CKT 1	Reconductor 5 miles with 1192.5 ACSS, 558 normal/emergency rating	6/1/2008	6/1/2010
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Upgrade Wavetrap at Gladstone from 800 amps to 1200 amps	6/1/2011	6/1/2011
KACP	Centerville Cap Bank	20 Mvar at Centerville	6/1/2010	6/1/2010
KACP	Craig (542978) Cap Bank Phase 1	add 150 Mvar cap bnk Craig 542978 during the 09SP and above	6/1/2012	6/1/2012
KACP	Craig (542978) Cap Bank Phase 2	add 150 Mvar cap bnk Craig 542978 during the 12SP and above	6/1/2012	6/1/2012
KACP	Craig 161kV 50MVar Cap Bank	New Craig 542978 50 MVAR cap bank.	6/1/2012	6/1/2012
KACP	Hawthorn 161kV 50MVar Cap Bank	New Hawthorn 50 MVAR cap bank.	6/1/2012	6/1/2012
KACP	Hawthorn and W Gardner Cap Banks	New Hawthorn 100 MVAR cap bank, New West Gardner 100 MVAR cap bank.	6/1/2012	6/1/2012
KACP	REDEL - STILLWELL 161KV CKT 1	Reconductor line with 1192 ACSS and upgrade terminal equipment for 2000 amps	6/1/2008	6/1/2010
KACP	Riley 161kV 50MVar Cap Bank	New Riley 50 MVAR capbank.	6/1/2012	6/1/2012
KACP	Stillwell 345kV 50MVar Cap Bank	New Stillwell 50 MVAR capbank.	6/1/2012	6/1/2012
KACP	WEST GARDNER (WGARD 11) 345-161-13. 8KV TRANSFORMER CKT 11	Replace 400/440 Mva Tx with 600/660 Mva Tx	6/1/2008	6/1/2009
KACP	West Gardner 345 kV Tap on Stilwell-Swissvale 345 kV 50 Additional MVAR	New West Gardner 50 MVAR cap bank. West Gardner 345 kV Tap on Stilwell-Swissvale line	6/1/2012	6/1/2012
MIDW	ST JOHN 115KV Capacitor #1	Install 20 MVAR Capacitor	6/1/2008	6/1/2009
MIDW	ST JOHN 115KV Capacitor #2	Install 8mvar capacitor	6/1/2012	6/1/2012
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	6/1/2008	6/1/2010
MIPU	BLUE SPRINGS EAST CAP BANK	Add 50 MVAR cap bank at Blue Springs East	6/1/2010	6/1/2010
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1	Wave Trap	12/1/2008	6/1/2009
MIPU	MIDWAY - ST JOE 161KV CKT 1	Upgrade to 795 26/7 ACSR Conductor	12/1/2012	12/1/2012
MIPU	RAYTOWN - SUB N 161KV CKT 1	Build a new 161 kV tie from MPS Raytown Sub with Bus #541219 to INDN Sub N with Bus # 548820	12/1/2008	6/1/2009
MIPU	RAYTOWN - SUB N 161KV CKT 1	Build a new 161 kV tie from MPS Raytown Sub with Bus #541219 to INDN Sub N with Bus # 548820	12/1/2008	6/1/2010
OKGE	ALVA - KNOB HILL 69KV CKT 1	Replace bus differential relaying and increase CTR to 600A.	6/1/2009	6/1/2009
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590AS52.	6/1/2009	6/1/2010
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	6/1/2008	6/1/2009
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	Reconductor 1.27 miles of line to 1590AS52. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	6/1/2011	6/1/2011
OKGE	GLASSES - RUSSETT 138KV CKT 1	Rebuild 8.38 miles of 138kV line with 795AS33, replace line relays, increase trap	6/1/2011	6/1/2011
OKGE	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 OKGE	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2010
OKGE	MUSKOGEE - PECAN CREEK 345KV CKT 1	Increase CT ration at Pecan Creek from 800-5 to 2000-5 to allow a 1500 amp rating of line section.	12/1/2008	6/1/2009
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	6/1/2012	6/1/2012
SPRM	CLAY - SPRINGFIELD 161KV CKT 1 SPRM	Replace disconnect switches at Springfield.	6/1/2012	6/1/2012
SPRM	COX 69KV CAPACITOR	Install 30 Mvar capacitor at Cox 69 kV bus	6/1/2015	6/1/2015
SPRM	GRAND - MAIN 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW & replace 1750 MCM AL UG with 2000 MCM CU UG cable	6/1/2017	6/1/2017
SPRM	JAMES RIVER - SEMINOLE 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW	6/1/2015	6/1/2015
SPRM	JAMES RIVER - TWIN OAKS 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW	6/1/2014	6/1/2014
SPRM	KICKAPOO - SUNSET 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW	6/1/2013	6/1/2013
SPRM	MILL 161KV CAPACITOR	Install 30 Mvar capacitor at Mill 161 kV bus	6/1/2013	6/1/2013
SPRM	NEERGARD - NORTON 69KV CKT 1	Reconductor 636 ACSR with 477 ACSS/TW	6/1/2009	6/1/2010
SPRM	NORTON 161KV CAPACITOR	Install 30 Mvar capacitor at Norton 161 kV bus	6/1/2013	6/1/2013

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SPS	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	Upgrade 115/69 kV transformer (84/96 MVA)	6/1/2012	6/1/2012
SPS	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2	Upgrade 115/69 kV transformer (84/96 MVA)	6/1/2012	6/1/2012
SPS	DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3	Add third 230/115 kV auto (150/175.2 MVA)	6/1/2016	6/1/2016
SPS	Hitchland Interchange Project	New 345/230/115 kV Substation on Potter to Finney 345 kV line near the Texas Oklahoma border with new 230 kV lines to Moore County Interchange, Pringle, and Perryton with 115 kV tap of Spearman to Texas Co 115 kV line	6/1/2013	6/1/2013
SPS	SEMINOLE INTERCHANGE	Build New 230 kV line from Mustang to Seminole to Hobbs with 2 230/115 kV at Seminole with two 115 kV lines to Amerada Hess and 115 kV lines to Doss, Gaines, and Denver South	6/1/2009	6/1/2009
SPS	Sherman - Dalhart 115 kV	Build new 115 kV line from Sherman to Dalhart	6/1/2013	6/1/2013
SPS	Stalene Project	Tap Elk City - Grapevine. New line from Stalene Tap to Graves Co. New 115/69kV at Graves Co.	6/1/2011	6/1/2011
SPS	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	Upgrade jumper at Terry Co. to a higher rating. Replace 4/0 with 397.5 ACSR cable	6/1/2017	6/1/2017
SPS	Texas Co-Hitchland-Sherman Tap 115 kV	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	6/1/2013	6/1/2013
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Plymell	6/1/2009	6/1/2010
SUNC	NORTH CIMARRON 115KV Capacitor	Install 24 MVAR Capacitor bank at North Cimarron 115 kV	6/1/2009	6/1/2010
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Plymell to Pioneer Tap	6/1/2009	6/1/2010
SWPA	5CALCR - NORFORK 161KV CKT 1 SWPA	Replace buswork within bay and change metering CT ratio, replace wavetraps. Entergy must also reconductor their line to increase the rating.	6/1/2012	6/1/2012
SWPA	STRUM-WR - HERGETT 161KV CKT 1 SWPA	Indeterminate	6/1/2014	6/1/2014
SWPA	BROWN - RUSSETT 138KV CKT 1 SWPA	Upgrade Terminal Equipment at Brown- Switches/Wavetraps	6/1/2012	6/1/2012
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	6/1/2012	6/1/2012
SWPA	CARTHAGE (CRG X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2012	6/1/2012
SWPA	CARTHAGE (CRG X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2012	6/1/2012
SWPA	CLARKSVILLE - DARDANELLE 161KV CKT 1	Reconductor Clarksville-Dardanelle line	6/1/2012	6/1/2012
SWPA	CLAY - SPRINGFIELD 161KV CKT 1 SWPA	Indeterminate	6/1/2012	6/1/2012
SWPA	HERGETT - JONES 161KV CKT 1 SWPA	Indeterminate	6/1/2011	6/1/2011
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	6/1/2012	6/1/2012
SWPA	NIXA - NIXA DT2 69.000 69KV CKT 1	Reconductor 69kV line	6/1/2011	6/1/2011
SWPA	NIXA (NIXA X1) 161/69/13.8KV TRANSFORMER CKT 1	Replace with 70MVA transformer.	6/1/2009	10/1/2009
SWPA	NIXA 161KV CAP BANK	25Mvar Cap at Nixa	6/1/2014	6/1/2014
SWPA	PHAROAH - WEELETKA 138KV CKT 1 SWPA	Tie Line, Replace metering CTs at Weleetka.	6/1/2012	6/1/2012
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Top into reconfigured WEPL Cimarron Plant Sub	6/1/2009	6/1/2010
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	6/1/2008	6/1/2010
WEPL	HARPER 138KV Capacitor	Install 1 - 20 Mvar capacitor bank	6/1/2008	6/1/2009
WEPL	PHILLIPSBURG - RHOADES 115 KV	Install 35 miles 115 kV from Phillipsburg to Rhoades	6/1/2008	6/1/2009
WEPL	PRATT 138KV Capacitor	Install 2 - 12 Mvar capacitor banks	6/1/2008	6/1/2009
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line, 556.5 kcmil ACSR	6/1/2008	6/1/2010
WERE	AUBURN ROAD (AUBRN77X) 230/115/13.8KV TRANSFORMER CKT 2	Add second Auburn 230-115 kV transformer.	6/1/2016	6/1/2016
WERE	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	Rebuild Line	6/1/2008	6/1/2010
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	6/1/2008	6/1/2010
WERE	CHASE - WHITE JUNCTION 69KV CKT 1	Tear down / Rebuild 7.3-mile Chase - White Junction 69 kV line. Replace existing 2/0 copper conductor with 795 kcmil ACSR conductor.	6/1/2017	6/1/2017
WERE	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1	Rebuild Circle - HEC GT 115 kV line.	6/1/2009	6/1/2010
WERE	CIRCLE - RENO COUNTY 115KV CKT 2	Rebuild 6.25-miles	6/1/2009	6/1/2010
WERE	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	Rebuild 4.8 miles	6/1/2010	6/1/2010
WERE	COWSKIN - WESTLINK 69KV	Rebuild 2.11 miles	6/1/2010	6/1/2010
WERE	EAST MANHATTAN 115KV Capacitor	Install 1 - 30 Mvar capacitor bank	6/1/2013	6/1/2013
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #1	Replace Disconnect Switches, Wavetraps, Breaker, Jumpers	6/1/2010	6/1/2010
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1 #2	Reconductor 8.02 miles with Bundled 1192.5 ACSR	6/1/2010	6/1/2010
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 1	Rebuild 11-mile McDowell-Ft Junction 115 kV 1&2 with 1192.5 kcmil ACSR	6/1/2008	6/1/2010
WERE	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	Tear down / Rebuild 3.55-mile Gil-Gill Junction 69 kV line using 954 kcmil ACSR	6/1/2008	6/1/2010
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	6/1/2016	6/1/2016
WERE	HOOVER NORTH - LAKERIDGE 138KV CKT 1	Replace Disconnect Switches, Wavetraps, Breaker, Jumpers	6/1/2010	6/1/2010
WERE	HOOVER SOUTH - TYLER 69KV	Rebuild 1.94 miles	6/1/2010	6/1/2010
WERE	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	Rebuild 5.49 miles	6/1/2015	6/1/2015
WERE	OXFORD 138KV Capacitor	Install 30 MVAR Capacitor Bank at Oxford 138 kV	6/1/2010	6/1/2010
WERE	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	Rebuild 5.73 mile Weaver-Rose Hill Junction as a 138 kV line but operate at 69 kV.	10/1/2008	6/1/2010
WERE	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	Rebuild 4.1 miles and operate line closed	6/1/2010	6/1/2010
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kV line and tap in & out of Stranger 115 kV	6/1/2015	6/1/2015
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	6/1/2009	6/1/2009
WERE	Summit - NE Saline 115 kV	Tear down 6.0-miles of Summit-Northview 115 kV. Build 6.0-mile double circuit Summit-Northview 115 kV and Build new 0.5-mile single circuit to Northview-South Gate double circuit and disconnect tower to Northview.	4/1/2008	6/1/2010
WERE	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	Convert 161 kV Line to 115 kV Operation	6/1/2009	6/1/2009
WERE	TYLER - WESTLINK 69KV	Rebuild 2.66 miles and operate line normally closed	6/1/2010	6/1/2010
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Tear down and rebuild 7.88 mile West McPherson-Wheatland 115 kV line.	6/1/2008	6/1/2010
WFEC	ACME - WEST NORMAN 69KV CKT 1	Reconductor 4 miles from 4/0 to 795 ACSR	12/1/2007	6/1/2008
WFEC	BROWN - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equipment	6/1/2012	6/1/2012
WFEC	COLBERT - TEXOMA 138 KV CKT 1	Build new 138kV line from Colbert to Texoma	6/1/2008	6/1/2010
WFEC	CYRIL Voltage Conversion	Cyrl-Cyrl Junction New 138kV line, 3 miles at 336	6/1/2010	6/1/2010
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetraps at Franklin Switch to 2000A	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.	6/1/2010	6/1/2010
WFEC	HAMMETT - MEEKER 138KV CKT 1	Install 10 miles of 138 kV from MEEKER sub to Hammett Sub and install terminal equipment	6/1/2010	6/1/2010
WFEC	PHAROAH - WEELETKA 138KV CKT 1 WFEC	Indeterminate	6/1/2012	6/1/2012
WFEC	RUSH SPRINGS 69KV	Install 15 MVAR at Rush Springs	6/1/2010	6/1/2010
WFEC	RUSSETT - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equip CTs at Russett	6/1/2012	6/1/2012
WFEC	TWIN LAKES CAP BANK	Install an addition 6 MVAR cap at Twin Lakes will make a total of 18 MVAR at twin lakes	6/1/2008	6/1/2009

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

Previously Assigned Aggregate Study Upgrades requiring credits to Previous Aggregate Study Customers				
Transmission Owner	Upgrade	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Valliant 345 KV line terminal	5/1/2010	5/1/2010
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	6/1/2011	6/1/2011
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPPL 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	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	OGE would rebuild .18 miles of 267AS33 with 795AS33. This would raise OGEs summer and winter Rate B to 287MVA. The limit will still be at WFECs Mooreland at 390A & 600A.	6/1/2006	4/1/2008
OKGE	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer	6/1/2006	6/1/2008
WERE	RENO 345/115KV CKT 1	New stepdown transformer at a new substation in Reno County east northeast of Hutchinson	6/1/2009	6/1/2010
WERE	RENO 345/115KV CKT 2	Install 2nd stepdown transformer at Reno County substation east northeast of Hutchinson	6/1/2010	6/1/2010
WERE	SUMMIT - RENO 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 40 mile 345 kV transmission line from existing Wichita 345 kV substation to a new 345-115 kV substation in Reno County east northeast of Hutchinson (Wichita to Reno)	6/1/2010	6/1/2009
WERE	WICHITA - RENO 345KV	Build 345KV from Wichita to Reno Co	6/1/2009	6/1/2009
WERE	WICHITA - RENO 345KV	Build 345KV from Wichita to Reno Co	6/1/2009	6/1/2009
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	6/1/2006	4/1/2008
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	12/1/2006	6/1/2008
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	6/1/2006	4/1/2008
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	5/1/2010	5/1/2010

Table 5 - Third Party Facility Constraints

Transmission Owner	UpgradeName	Solution	Earliest Data Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AECI	2CLARK 69.00 - MILO 69KV CKT 1	Indeterminate	6/1/2015	6/1/2015	\$ -
AECI	5ASHRVL - POPLAR BLUFF 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
AECI	CLARK (CAMP CLA) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	6/1/2017	6/1/2017	\$ -
AECI	CLINTON - OSCEOLA 161KV CKT 1	Uprate line to 100C	6/1/2016	6/1/2016	\$ -
AECI	FRANKS - FT WOOD 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
AECI	GREEN FOREST - ST FRANCIS 1 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
AECI	IDALIA 161/69KV TRANSFORMER CKT 1	Move in mobile 161/69 kV transformer	6/1/2015	6/1/2015	\$ -
AECI	IDALIA 161/69KV TRANSFORMER CKT 2	Move in mobile 161/69 kV transformer	6/1/2015	6/1/2015	\$ -
AECI	MIAMI - MIAMI EAST NEO 69KV CKT 1	Indeterminate	6/1/2010	6/1/2010	\$ -
AECI	MIAMI EAST NEO - SENECA 69KV CKT 1 AECI	Indeterminate	6/1/2017	6/1/2017	\$ -
AECI	MT VERNON - SUB 446 - CHESAPEAKE 69KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
AECI	NEOSHO - NEOSHO AECI 69KV CKT 1	Indeterminate	6/1/2010	6/1/2010	\$ -
AECI	SENECA - WALKERVILLE TAP 69KV CKT 1	Indeterminate	6/1/2015	6/1/2015	\$ -
AMRN	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
ENTR	4COWLTP 138.00 - HEBERT 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	4COWLTP 138.00 - LAKE CHARLES BULK 138 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	3ALPINE# 115.00 - 3AMITY * 115.00 115KV CKT 1	Indeterminate	4/1/2008	4/1/2008	\$ -
ENTR	3ALPINE# 115.00 - 3BISMRK 115KV CKT 1	Indeterminate	4/1/2008	4/1/2008	\$ -
ENTR	3BISMRK - 3HSEHWV 115KV CKT 1	Indeterminate	4/1/2008	4/1/2008	\$ -
ENTR	4BAYOUCV 138.00 - HEBERT 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	4BAYOUCV 138.00 - JENNINGS 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	4TAMINA 138.00 - TAMINA 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	5BEE BR - QUITMAN 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	5CALCR - NORFORK 161KV CKT 1 ENTR	Indeterminate	6/1/2012	6/1/2012	\$ -
ENTR	5ST JOE 161.00 - EVERTON 161KV CKT 1	Indeterminate	6/1/2008	6/1/2008	\$ -
ENTR	5TRUM-W# - HERGETT 161KV CKT 1 ENTR	Indeterminate	6/1/2014	6/1/2014	\$ -
ENTR	8WELLS 500.00 - WEBRE 500KV CKT 1	Indeterminate	6/1/2008	6/1/2008	\$ -
ENTR	ARKANSAS NUCLEAR ONE 161 - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	\$ -
ENTR	CHINA - SABINE 230KV CKT 1	Indeterminate	4/1/2008	4/1/2008	\$ -
ENTR	CLARENCE - MONTGOMERY 230KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	COUCH SES - LEWIS 115KV CKT 1	Indeterminate	12/1/2009	12/1/2009	\$ -
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	12/1/2008	12/1/2008	\$ -
ENTR	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	6/1/2008	6/1/2008	\$ -
ENTR	HARTBURG - INLAND-ORANGE 230KV CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
ENTR	HELBIG BULK - MCLEWIS 230KV CKT 1	Indeterminate	6/1/2012	6/1/2012	\$ -
ENTR	INLAND-ORANGE - MCLEWIS 230KV CKT 1	Indeterminate	6/1/2011	6/1/2011	\$ -
ENTR	JONES - JONESBORO 161KV CKT 1 ENTR	Indeterminate	6/1/2012	6/1/2012	\$ -
ENTR	MAGAZINE REC - NORTH MAGAZINE 161KV CKT 1 ENTR	Rebuild 7.43 miles of 250 CWC with 795 ACSR	6/1/2009	6/1/2010	\$ -
ENTR	OAK RIDGE - TAMINA 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE NORTH 161KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	12/1/2008	12/1/2008	\$ -
Lafa	DOC BONIN 230/138KV TRANSFORMER CKT 1	add a second 230/138 kv or 230/69 kv autotransformer	6/1/2009	6/1/2009	\$ 3,500,000
LAGN	4EOPLOUS 138.00 - 4VATCAN 138.00 138KV CKT 1	Indeterminate	6/1/2009	6/1/2009	\$ -

Table 7 - Deferred Expansion Plan Projects

Transmission Owner	Upgrade	Solution	Deferred Group	Date Upgrade needed per AG study.	Assigned Upgrade E & C in consideration of deferral	Date Upgrade Needed per Expansion Plan	Expansion Plan E & C Cost
MIDW	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	Rebuild 2.9 miles	1	6/1/2009	\$ 626,384.36		
MIDW	EDWARDS - ST_JOHN 115KV	Rebuild 17.9 miles	1	6/1/2009	\$ 3,866,303.42		
MIDW	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	Rebuild 15.7 miles	1	6/1/2009	\$ 3,391,115.29		
MIDW	Spearville - Kinsley 115 kV MIDW	Build new 22.8 mile 115 kV line from Spearville to North Kinsley with 1192 ACSR	1	6/1/2009	\$ 3,902,302.52		
SUNC	Spearville - Kinsley 115 kV SUNC	Build new 22.8 mile 115 kV line from Spearville to North Kinsley.	1	6/1/2009	\$ 4,176,608.55		
MIDW	HUNTSVILLE - ST_JOHN 115KV CKT 1 Deferred	Rebuild 26.5 miles Huntsville - St. John 115 kV line and replace CT, wavetrap, breakers, and relays.	1			6/1/2016	\$ 11,925,000
WERE	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 WERE Deferred	Tear down and rebuild 26.6% Ownership 28.79 mile HEC-Huntsville 115 kV line and replace CT, wavetrap and relays.	1			6/1/2016	\$ 3,450,000
MIDW	HUNTSVILLE - HUTCHINSON ENERGY CENTER 115KV CKT 1 MIDW Deferred	Tear down and rebuild 73.4% Ownership 28.79 mile HEC-Huntsville 115 kV line and replace CT, wavetrap and relays.	1			6/1/2016	\$ 9,550,000

Note: Within a deferral group, the expansion plan upgrade(s) that were deferred as a result of a requested upgrade are so noted.