



*Aggregate Facility Study
SPP-2007-AG2-AFS-3
For Transmission Service
Requested by
Aggregate Transmission Customers*

SPP Engineering, SPP Tariff Studies

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1. Executive Summary

Pursuant to Attachment Z of the Southwest Power Pool Open Access Transmission Tariff (OATT), 4005 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 \$116 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 \$192 Million.

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

The Transmission Provider will tender a Letter of Intent on February 7, 2008. 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 February 22nd, 2008, 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 4005 MW of long-term transmission service has been restudied in this Aggregate Facility Study (AFS) with over \$116 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 AECI, AMRN, and ENTR and a 2 % TDF cutoff was applied to MEC, NPPD, and OPPD. For voltage monitoring, a 0.02 per unit change in voltage must occur due to the transfer or modeling upgrades to be considered a valid limit to the transfer.

B. Model Development

SPP used thirteen seasonal models to study the aggregate transfers of 4005 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 4005 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 in addition to Generation to Generation 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 in addition to Generation to Generation 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 an attestation statement verifying that the firm

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

B. Study Definitions

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

5. Conclusion

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

The Transmission Provider will tender a Letter of Intent on February 7, 2008. 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 February 22nd, 2008, 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
AEPM	AG2-2007-049	1283585	WFEC	CSWS	15	6/1/2008	6/1/2013	6/1/2012	6/1/2017		
AEPM	AG2-2007-051	1283682	WFEC	CSWS	152	6/1/2008	6/1/2013	6/1/2011	6/1/2016		
AEPM	AG2-2007-107	1286446	CSWS	CSWS	100	1/1/2009	1/1/2010	6/1/2011	6/1/2012	6/1/2010	6/1/2011
CWEP	AG2-2007-047	1283676	EES	SPA	12	6/1/2010	6/1/2040	6/1/2010	6/1/2040		
KCPS	AG2-2007-073	1285906	KCPL	KCPL	101	6/1/2008	6/1/2028	6/1/2010	6/1/2030		
KCPS	AG2-2007-109	1286498	KCPL	EES	82	1/1/2009	6/1/2010	1/1/2009	6/1/2010		
KEPC	AG2-2007-028	1281648	WR	EDE	6	1/1/2008	1/1/2019	6/1/2011	6/1/2022		
KPP	AG2-2007-072	1285893	WR	WR	8	11/1/2007	11/1/2017	6/1/2011	6/1/2021		
KPP	AG2-2007-072	1285896	WR	WR	3	11/1/2007	11/1/2017	6/1/2012	6/1/2022		
MIDW	AG2-2007-012	1268955	WR	WR	5	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-013	1268959	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-014	1268965	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-034	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	6/1/2010	6/1/2029
MIDW	AG2-2007-069	1285864	WR	WR	4	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-069	1285865	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-069	1285866	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-069	1285867	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-070	1285869	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-071	1285872	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-071	1285873	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-077	1285942	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-077	1285943	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-077	1285944	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
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
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
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
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
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
MIDW	AG2-2007-080	1285951	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-080	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
MIDW	AG2-2007-080	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	6/1/2010	6/1/2015
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
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
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

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
OMPA	AG2-2007-058	1285606	WFEC	WFEC	48	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-059	1285609	OKGE	WFEC	48	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-060	1285610	CSWS	WFEC	48	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-061	1285612	CSWS	CSWS	282	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-062	1285614	OKGE	CSWS	282	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-063	1285616	WFEC	CSWS	282	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-064	1285621	WFEC	OKGE	650	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-065	1285622	OKGE	OKGE	650	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
OMPA	AG2-2007-074	1285908	CSWS	OKGE	650	1/1/2008	1/1/2031	6/1/2010	6/1/2033		
PWX	AG2-2007-042	1282919	AMRN	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013		
PWX	AG2-2007-044	1283102	LAM345	AMRN	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013		
PWX	AG2-2007-048	1283767	OPPD	LAM345	52	10/1/2007	10/1/2008	6/1/2012	6/1/2013		
SPRM	AG2-2007-110	1286502	WR	SPA	25	12/1/2008	12/1/2028	6/1/2011	6/1/2031		
SPSM	AG2-2007-067	1280570	SPS	SPS	80	1/1/2009	1/1/2029	1/1/2009	1/1/2029		
SPSM	AG2-2007-067	1280571	SPS	SPS	70	1/1/2009	1/1/2029	1/1/2009	1/1/2029		
WFEC	AG2-2007-016	1278401	WFEC	WFEC	19	12/15/2007	12/15/2032	6/1/2012	6/1/2037		
WRGS	AG2-2007-011D	1268638	KCPL	AMRN	20	6/1/2010	6/1/2015	6/1/2010	6/1/2015		
WRGS	AG2-2007-017D	1278809	EES	SPA	20	3/1/2010	3/1/2040	3/1/2010	3/1/2040		
WRGS	AG2-2007-018D	1278811	EES	SPA	20	3/1/2010	3/1/2040	3/1/2010	3/1/2040		
WRGS	AG2-2007-019D	1278813	EES	SPA	7	3/1/2010	3/1/2040	3/1/2010	3/1/2040		
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
					4005						

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	³⁶ 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	\$ 6,671,666	\$ 6,401,666	\$ 270,000		Indeterminate	\$ 16,244,160	\$ 15,586,764	\$ -	\$ 15,586,764
AEPM	AG2-2007-051	1283682	\$ 1,385,330	\$ -	\$ 1,385,330		\$ -	\$ 2,594,682	\$ -	\$ -	Schedule 9 Charges
AEPM	AG2-2007-107	1286446	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ -	Schedule 9 Charges
CWEP	AG2-2007-047	1283676	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 3,888,000	\$ 3,888,000
KCPS	AG2-2007-073	1285906	\$ 5,875,234	\$ 1,468,761	\$ 1,818,000		\$ -	\$ 19,741,507	\$ 13,632,804	\$ -	\$ 13,632,804
KCPS	AG2-2007-109	1286498	\$ -	\$ -	\$ -		Indeterminate	\$ -	\$ -	\$ 1,254,600	\$ 1,254,600
KEPC	AG2-2007-028	1281648	\$ 30,765	\$ -	\$ 30,765		Indeterminate	\$ 70,532	\$ -	\$ -	Schedule 9 Charges
KPP	AG2-2007-072	1285893	\$ 21,908	\$ -	\$ 21,908		\$ -	\$ 62,303	\$ -	\$ -	Schedule 9 Charges
KPP	AG2-2007-072	1285896	\$ 1,498,994	\$ 958,994	\$ 540,000		\$ -	\$ 4,702,238	\$ 3,008,296	\$ -	\$ 3,008,296
MIDW	AG2-2007-012	1268955	\$ 204,824	\$ 204,824	\$ -		\$ -	\$ 406,788	\$ 406,788	\$ 547,800	\$ 547,800
MIDW	AG2-2007-013	1268959	\$ 119,121	\$ 42,865	\$ -		\$ -	\$ 212,871	\$ 212,871	\$ 109,560	\$ 212,871
MIDW	AG2-2007-014	1268965	\$ 45,170	\$ 24,254	\$ -		\$ -	\$ 80,714	\$ 80,714	\$ 109,560	\$ 109,560
MIDW	AG2-2007-034	1281706	\$ 7,148,886	\$ 3,866,838	\$ 450,000		\$ -	\$ 20,850,604	\$ 19,538,124	\$ -	\$ 19,538,124
MIDW	AG2-2007-069	1285864	\$ 163,858	\$ 163,858	\$ -		\$ -	\$ 325,428	\$ 325,428	\$ 438,240	\$ 438,240
MIDW	AG2-2007-069	1285865	\$ 122,893	\$ 122,893	\$ -		\$ -	\$ 244,071	\$ 244,071	\$ 328,680	\$ 328,680
MIDW	AG2-2007-069	1285866	\$ 81,929	\$ 81,929	\$ -		\$ -	\$ 162,714	\$ 162,714	\$ 219,120	\$ 219,120
MIDW	AG2-2007-069	1285867	\$ 40,965	\$ 40,965	\$ -		\$ -	\$ 81,358	\$ 81,358	\$ 109,560	\$ 109,560
MIDW	AG2-2007-070	1285869	\$ 238,267	\$ 85,737	\$ -		\$ -	\$ 425,786	\$ 425,786	\$ 219,120	\$ 425,786
MIDW	AG2-2007-071	1285872	\$ 90,336	\$ 48,507	\$ -		\$ -	\$ 161,422	\$ 161,422	\$ 219,120	\$ 219,120
MIDW	AG2-2007-071	1285873	\$ 90,336	\$ 48,507	\$ -		\$ -	\$ 161,422	\$ 161,422	\$ 219,120	\$ 219,120
MIDW	AG2-2007-077	1285942	\$ 1,137,627	\$ 1,137,627	\$ -		\$ -	\$ 2,350,901	\$ 2,350,902	\$ 219,120	\$ 2,350,902
MIDW	AG2-2007-077	1285943	\$ 568,813	\$ 568,813	\$ -		\$ -	\$ 1,175,450	\$ 1,175,450	\$ 109,560	\$ 1,175,450
MIDW	AG2-2007-077	1285944	\$ 568,813	\$ 568,813	\$ -		\$ -	\$ 1,175,450	\$ 1,175,450	\$ 109,560	\$ 1,175,450
MIDW	AG2-2007-078	1285946	\$ 3,895,230	\$ 1,056,974	\$ -		\$ -	\$ 6,964,067	\$ 6,964,067	\$ 328,680	\$ 6,964,067
MIDW	AG2-2007-078	1285947	\$ 2,596,810	\$ 704,646	\$ -		\$ -	\$ 4,642,693	\$ 4,642,693	\$ 219,120	\$ 4,642,693
MIDW	AG2-2007-078	1285948	\$ 1,298,391	\$ 352,320	\$ -		\$ -	\$ 2,321,322	\$ 2,321,322	\$ 109,560	\$ 2,321,322
MIDW	AG2-2007-079	1285949	\$ 1,130,527	\$ 314,981	\$ -		\$ -	\$ 2,020,837	\$ 2,020,837	\$ 219,120	\$ 2,020,837
MIDW	AG2-2007-079	1285950	\$ 565,251	\$ 157,488	\$ -		\$ -	\$ 1,010,396	\$ 1,010,396	\$ 109,560	\$ 1,010,396
MIDW	AG2-2007-080	1285951	\$ 1,454,086	\$ 1,454,086	\$ -		\$ -	\$ 3,004,832	\$ 3,004,832	\$ 219,120	\$ 3,004,832
MIDW	AG2-2007-080	1285952	\$ 1,454,086	\$ 1,454,086	\$ -		\$ -	\$ 3,004,832	\$ 3,004,832	\$ 219,120	\$ 3,004,832
MIDW	AG2-2007-080	1285953	\$ 727,049	\$ 727,049	\$ -		\$ -	\$ 1,502,428	\$ 1,502,428	\$ 109,560	\$ 1,502,428
MIDW	AG2-2007-081	1285958	\$ 1,107,595	\$ 292,049	\$ -		\$ -	\$ 1,790,970	\$ 1,790,970	\$ 87,648	\$ 1,790,970
MIDW	AG2-2007-081	1285959	\$ 553,784	\$ 146,021	\$ -		\$ -	\$ 895,463	\$ 895,463	\$ 43,824	\$ 895,463
MIDW	AG2-2007-081	1285960	\$ 553,784	\$ 146,021	\$ -		\$ -	\$ 895,463	\$ 895,463	\$ 43,824	\$ 895,463
OMPA	AG2-2007-058	1285606	\$ 2,083,293	\$ -	\$ 2,083,293	7	\$ -	\$ 6,420,099	\$ -	\$ -	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

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
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	\$ 16,711,829	\$ 16,711,829			\$ -	\$ 20,814,838	\$ 20,814,838	\$ 561,600	\$ 20,814,838
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	\$ 215,887	\$ -	\$ 215,887		Indeterminate	\$ 682,171	\$ -	\$ -	Schedule 9 Charges
SPSM	AG2-2007-067	1280570	\$ 8,823,810	\$ -			\$ -	\$ 17,541,002	\$ 17,541,002	\$ -	\$ 17,541,002
SPSM	AG2-2007-067	1280571	\$ 7,720,835	\$ -			\$ -	\$ 15,348,380	\$ 15,348,380	\$ -	\$ 15,348,380
WFEC	AG2-2007-016	1278401	\$ 2,992,915	\$ -	\$ 342,000		\$ -	\$ 8,937,334	\$ 7,916,066	\$ -	\$ 7,916,066
WRGS	AG2-2007-011D	1268638	\$ 897,031	\$ 897,031			Indeterminate	\$ 1,919,717	\$ 1,919,717	\$ 1,080,000	\$ 1,919,717
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	AG2-2007-092D	1286201	\$ 2,313,477	\$ 531,477	\$ 1,782,000		\$ -	\$ 4,727,827	\$ 1,086,128	\$ -	\$ 1,086,128
			\$ 116,534,739	\$ 74,115,242				\$ 217,105,051	\$ 192,839,776	\$ 28,490,304	\$ 213,777,658

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. Not applicable

Note 9: Load estimate of 5304MW provides up to 6630MW of resources in 2009. Not applicable

Note 10: Base Plan funding approval pending. Not applicable

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	6/1/2012	6/1/2017	\$ 270,000	\$ -	\$ 6,671,666	\$ 16,244,160
									\$ 270,000	\$ -	\$ 6,671,666	\$ 16,244,160

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283585	412SUB - KERR 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 31,484	\$ 382,935	\$ 68,494
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			\$ -	\$ -	\$ -
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2013	6/1/2013			\$ -	\$ -	\$ -
	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	10/1/2008	6/1/2010			\$ 3,619,301	\$ 4,740,000	\$ 9,545,742
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	10/1/2008	6/1/2010			\$ 1,221,705	\$ 1,600,000	\$ 2,960,924
	FT SUPPLY - WOODWARD 69KV CKT 1	6/1/2008	6/1/2011			\$ 1,707,085	\$ 4,500,000	\$ 3,484,497
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 92,091	\$ 10,000,000	\$ 184,503
Total						\$ 6,671,666	\$ 21,222,935	\$ 16,244,160

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		
	CANADIAN - CEDAR LANE 138KV CKT 1	6/1/2008	6/1/2009		
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2011		
	FLINT CREEK - TONTITOWN 161KV CKT 1	6/1/2013	6/1/2013		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2012		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2012		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2008	6/1/2011		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2009		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service 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 (KNOBHILL4) 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 interconnects-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	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	6/1/2011	6/1/2016	\$ 1,385,330	\$ -	\$ 1,385,330	\$ 2,594,682
									\$ 1,385,330	\$ -	\$ 1,385,330	\$ 2,594,682

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283682	412SUB - KERR 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 313,687	\$ 382,935	\$ 614,690
	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	6/1/2013	6/1/2013			\$ -	\$ -	\$ -
	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	6/1/2013	6/1/2013			\$ -	\$ -	\$ -
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 1,071,643	\$ 10,000,000	\$ 1,979,992
	Total					\$ 1,385,330	\$ 10,382,935	\$ 2,594,682

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		
	ComancheSW Cap Bank	6/1/2009	6/1/2010		
	CYRIL Voltage Conversion	6/1/2011	6/1/2011		
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2011		
	FLINT CREEK - TONTITOWN 161KV CKT 1	6/1/2013	6/1/2013		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2008	6/1/2011		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2009		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service 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		

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	6/1/2011	6/1/2012	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286446	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
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
	DIANA - LONE STAR SOUTH 138KV CKT 1	12/1/2009	6/1/2011		Yes
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2012		No
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2012		No
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		No
	LIEBERMAN - LONGWOOD 138KV CKT 1	6/1/2008	6/1/2011		Yes
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		No
	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	6/1/2009	6/1/2011		Yes
	Wallace Lake - Port Robson - RedPoint 138 kV	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
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		
	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
1286446	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		No
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2008	6/1/2010		No
	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

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
 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	\$ -	\$ -
									\$ -	\$ 3,888,000	\$ -	\$ -

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1283676	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
1283676	SCALCR - NORFORK 161KV CKT 1 SWPA	6/1/2012	6/1/2012		
	ARKOMA - FT SMITHW 161KV CKT 1	6/1/2012	6/1/2012		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2013	6/1/2013		
	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		
	CLARKSVILLE - DARDANELLE 161KV CKT 1	6/1/2015	6/1/2015		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	6/1/2012	6/1/2012		
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	6/1/2012	6/1/2012		
	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	6/1/2009	6/1/2009		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2016	6/1/2016		
	KERR - PENSACOLA 115KV CKT 1	12/1/2012	12/1/2012		
	MUSKOGEE - PECAN CREEK 345KV CKT 1	6/1/2008	6/1/2009		
	SUB 184 - NEOSHO SOUTH JCT. (NEOSHO) 161/69/13.2KV TRANSFORMER CKT 1	6/1/2011	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1283676	SUB 110 - OROGOGO 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		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	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
1283676	SST_JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	CLARK (CAMP CLA) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2017	6/1/2017			\$ -	\$ -
	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	6/1/2012	6/1/2012			\$ -	\$ -
	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			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	6/1/2015	6/1/2015			\$ -	\$ -
	MIAMI - MIAMI EAST NEO 69KV CKT 1	6/1/2010	6/1/2010			\$ -	\$ -
	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 SOUTH 161KV CKT 1	6/1/2009	6/1/2009			\$ -	\$ -
	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
 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	6/1/2010	6/1/2030	\$ 1,818,000	\$ -	\$ 5,875,234	\$ 19,741,507
									\$ 1,818,000	\$ -	\$ 5,875,234	\$ 19,741,507

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285906	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			\$ 3,204,861	\$ 4,123,800	\$ 11,804,896
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 2,126,896	\$ 10,000,000	\$ 6,005,607
	MERRIAM - ROELAND PARK 161KV CKT 1 Displacement	6/1/2012	6/1/2012			\$ 543,477	\$ 543,477	\$ 1,931,004
	Total					\$ 5,875,234	\$ 14,667,277	\$ 19,741,507

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	6/1/2010	6/1/2010		
	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	EDWARDSVILLE CAP BANK	12/1/2009	6/1/2010		No
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-EXP	6/1/2008	6/1/2009		Yes
	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	6/1/2008	6/1/2010		Yes
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2012	6/1/2012		
	PRATT 115KV	6/1/2008	6/1/2010		No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2010		Yes
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	WEST GARDNER (WGARD 11) 345-161-13.8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
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	6/1/2009	6/1/2010		Yes
	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-TS	6/1/2008	6/1/2010		Yes
	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
	MEDICINE LODGE - SUN CITY 115KV CKT 1	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
 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	1/1/2009	6/1/2010	\$ -	\$ 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						\$ -	\$ -	\$ -

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
1286498	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-EXP	6/1/2008	6/1/2009		No

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1286498	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-TS	6/1/2008	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286498	OVERTON 345.00 () 345/161/13.8KV TRANSFORMER 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
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	6/1/2011	6/1/2022	\$ 30,765	\$ -	\$ 30,765	\$ 70,532
									\$ 30,765	\$ -	\$ 30,765	\$ 70,532

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			\$ 30,765	\$ 10,000,000	\$ 70,532
						\$ 30,765	\$ 10,000,000	\$ 70,532
						Total	\$ 30,765	\$ 10,000,000

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
1281648	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2009	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KERR - PENSACOLA 115KV CKT 1	12/1/2012	12/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	6/1/2017	6/1/2017		
	OXFORD CAPACITORS	6/1/2008	6/1/2010		
	RICE_CO 115KV	6/1/2008	6/1/2010		
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	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
1281648	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
1281648	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		

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			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER 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
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	6/1/2011	6/1/2021	\$ 21,908	\$ -	\$ 21,908	\$ 62,303
KPP	1285896	WR	WR	3	11/1/2007	11/1/2017	6/1/2012	6/1/2022	\$ 540,000	\$ -	\$ 1,498,994	\$ 4,702,238
									\$ 561,908	\$ -	\$ 1,520,902	\$ 4,764,541

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285893	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			\$ 21,908	\$ 4,123,800	\$ 62,303
					Total	\$ 21,908	\$ 4,123,800	\$ 62,303
1285896	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	10/1/2008	6/1/2010			\$ 1,120,699	\$ 4,740,000	\$ 3,620,823
	CRESWELL - NEWKIRK 138KV CKT 1 WERE	10/1/2008	6/1/2010			\$ 378,295	\$ 1,600,000	\$ 1,081,415
					Total	\$ 1,498,994	\$ 10,340,000	\$ 4,702,238

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		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	PRATT 115KV	6/1/2008	6/1/2010		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2008	6/1/2011		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		
1285896	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011		
	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	6/1/2012	6/1/2012		
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA	6/1/2008	6/1/2011		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		
	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	6/1/2012	6/1/2012		
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	4/1/2008	6/1/2011		
	Fort Scott- Marmaton/Lichfield 161kV	6/1/2010	6/1/2012		
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT	6/1/2013	6/1/2013		
	OXFORD CAPACITORS	6/1/2008	6/1/2010		
	PRATT 115KV	6/1/2008	6/1/2010		
	ROSE HILL JUNCTION - WEAVER 69KV CKT 1	6/1/2008	6/1/2011		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	12/1/2007	6/1/2010		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	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
1285893	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		
1285896	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.

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available
1285896	ALLEN - LEHIGH TAP 69KV CKT 1	6/1/2008	6/1/2011		
	ARKANSAS CITY - PARIS 69KV CKT 1	6/1/2008	6/1/2011		
	CITY OF WINFIELD - RAINBOW 69KV CKT 1	6/1/2008	6/1/2011		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPIW	6/1/2008	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2008	6/1/2010		
	CRESWELL - OAK 69KV CKT 1	6/1/2008	6/1/2011		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kV with Athens Allen and Tioga 6	6/1/2008	6/1/2011		
	LEHIGH TAP - OWL CREEK 69KV CKT 1	6/1/2008	6/1/2011		
	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	6/1/2008	6/1/2011		
	OAK - RAINBOW 69KV CKT 1	6/1/2008	6/1/2011		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		
	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	4/1/2008	6/1/2011		
	RICHLAND - UDALL 69KV CKT 1	4/1/2008	6/1/2011		
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	4/1/2008	6/1/2010		
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		

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

Customer Study Number
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	\$	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$	\$ 547,800	\$ 239,270	\$ 406,788
									\$	\$ 547,800	\$ 239,270	\$ 406,788

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1268955	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 34,446	\$ 310,015	\$ -	
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 89,162	\$ 10,000,000	\$ 152,090	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 115,662	\$ 500,000	\$ 254,698	
						Total	\$ 239,270	\$ 10,810,015	\$ 406,788

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	12/1/2007	6/1/2011		Yes
	BELOIT 115KV	6/1/2008	6/1/2010		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2010		Yes
	RICE_CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
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	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 126,010	\$ 212,871
									\$ -	\$ 109,560	\$ 126,010	\$ 212,871

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268959	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 4,053	\$ 631,721	\$ 6,795
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 25,015	\$ 3,899,243	\$ 41,941
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 21,940	\$ 3,420,007	\$ 36,786
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 13,470	\$ 10,000,000	\$ 22,977
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 2,221	\$ 500,000	\$ 4,891
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 25,248	\$ 3,935,549	\$ 42,332
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 27,174	\$ 4,235,917	\$ 57,148
Total						\$ 126,010	\$ 26,932,452	\$ 212,871

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
1268959	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
1268959	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

Customer Study Number
MIDW AG2-2007-014

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
MIDW	1268965	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 52,059	\$ 80,714
									\$ -	\$ 109,560	\$ 52,059	\$ 80,714

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268965	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 1,112	\$ 631,721	\$ 1,864
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 6,861	\$ 3,899,243	\$ 11,504
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 6,018	\$ 3,420,007	\$ 10,090
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 14,156	\$ 10,000,000	\$ 24,147
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 2,645	\$ 500,000	\$ 5,825
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 6,925	\$ 3,935,549	\$ 11,611
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 7,453	\$ 4,235,917	\$ 15,674
Total						\$ 52,059	\$ 26,932,452	\$ 80,714

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
1268965	LACYGNE - WEST GARDNER 345KV CKT 1	6/1/2008	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
1268965	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

Customer Study Number
MIDW AG2-2007-034

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
MIDW	1281706	WR	WR	25	3/1/2008	3/1/2027	6/1/2011	6/1/2030	\$ 450,000	\$ -	\$ 7,148,886	\$ 20,850,604
									\$ 450,000	\$ -	\$ 7,148,886	\$ 20,850,604

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	\$ 160,623	\$ 631,721	\$ 421,726
	EDWARDS - ST_JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 991,430	\$ 3,899,243	\$ 2,603,065
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 869,578	\$ 3,420,007	\$ 2,283,134
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 149,133	\$ 10,000,000	\$ 408,608
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 2,823,567	\$ 8,730,000	\$ 9,018,662
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 76,861	\$ 500,000	\$ 242,525
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 1,000,661	\$ 3,935,549	\$ 2,627,302
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 1,077,033	\$ 4,235,917	\$ 3,245,582
	Total					\$ 7,148,886	\$ 35,352,437	\$ 20,850,604

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	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE_CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		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
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	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	4/1/2008	6/1/2010		Yes
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
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	6/1/2011	6/1/2016	\$ -	\$ 438,240	\$ 191,415	\$ 325,428
MIDW	1285865	WR	WR	3	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 328,680	\$ 143,561	\$ 244,071
MIDW	1285866	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 95,707	\$ 162,714
MIDW	1285867	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 47,854	\$ 81,358
									\$ -	\$ 1,095,600	\$ 478,537	\$ 813,571

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1285864	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 27,557	\$ 310,015	\$ -	
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 71,329	\$ 10,000,000	\$ 121,671	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 92,529	\$ 500,000	\$ 203,757	
						Total	\$ 191,415	\$ 10,810,015	\$ 325,428
1285865	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 20,668	\$ 310,015	\$ -	
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 53,496	\$ 10,000,000	\$ 91,252	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 69,397	\$ 500,000	\$ 152,819	
						Total	\$ 143,561	\$ 10,810,015	\$ 244,071
1285866	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -	
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 35,664	\$ 10,000,000	\$ 60,835	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 46,265	\$ 500,000	\$ 101,880	
						Total	\$ 95,707	\$ 10,810,015	\$ 162,714
1285867	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -	
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 17,833	\$ 10,000,000	\$ 30,419	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 23,132	\$ 500,000	\$ 50,939	
						Total	\$ 47,854	\$ 10,810,015	\$ 81,358

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	12/1/2007	6/1/2011		Yes
	BELOIT 115KV	6/1/2008	6/1/2010		No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2010		Yes
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes

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	12/1/2007	6/1/2011	Yes
	BELOIT 115KV	6/1/2008	6/1/2010	No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	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	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	REDEL - STILLWELL 161KV CKT 1	6/1/2008	6/1/2010	Yes
	RICE CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes
1285866	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011	Yes
	BELOIT 115KV	6/1/2008	6/1/2010	No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	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	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	REDEL - STILLWELL 161KV CKT 1	6/1/2008	6/1/2010	Yes
	RICE CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes

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	12/1/2007	6/1/2011	Yes
	BELOIT 115KV	6/1/2008	6/1/2010	No
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010	
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	REDEL - STILLWELL 161KV CKT 1	6/1/2008	6/1/2010	Yes
	RICE_CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012	
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	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
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		

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

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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
1285865	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
1285866	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
1285867	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
1285867	MARTIN CITY - REDEL 161KV CKT 1	6/1/2009	6/1/2010		Yes
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
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	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 252,045	\$ 425,786
									\$ -	\$ 219,120	\$ 252,045	\$ 425,786

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285869	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 8,106	\$ 631,721	\$ 13,591
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 50,036	\$ 3,899,243	\$ 83,893
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 43,886	\$ 3,420,007	\$ 73,582
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 26,939	\$ 10,000,000	\$ 45,952
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 4,442	\$ 500,000	\$ 9,782
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 50,502	\$ 3,935,549	\$ 84,674
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 54,356	\$ 4,235,917	\$ 114,313
Total						\$ 252,045	\$ 26,932,452	\$ 425,786

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
1285869	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

Customer Study Number
MIDW AG2-2007-071

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
MIDW	1285872	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 104,114	\$ 161,422
MIDW	1285873	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 104,114	\$ 161,422
									\$ -	\$ 438,240	\$ 208,228	\$ 322,844

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285872	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 2,223	\$ 631,721	\$ 3,727
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 13,722	\$ 3,899,243	\$ 23,007
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 12,035	\$ 3,420,007	\$ 20,179
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 28,311	\$ 10,000,000	\$ 48,292
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 5,290	\$ 500,000	\$ 11,649
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 13,849	\$ 3,935,549	\$ 23,220
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 14,906	\$ 4,235,917	\$ 31,348
					Total	\$ 104,114	\$ 26,932,452	\$ 161,422
1285873	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 2,223	\$ 631,721	\$ 3,727
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011			\$ 13,722	\$ 3,899,243	\$ 23,007
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011			\$ 12,035	\$ 3,420,007	\$ 20,179
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 28,311	\$ 10,000,000	\$ 48,292
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 5,290	\$ 500,000	\$ 11,649
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011			\$ 13,849	\$ 3,935,549	\$ 23,220
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011			\$ 14,906	\$ 4,235,917	\$ 31,348
					Total	\$ 104,114	\$ 26,932,452	\$ 161,422

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 KV	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kv	6/1/2012	6/1/2012		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kv	6/1/2012	6/1/2012		
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		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
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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285873	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
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	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 1,151,405	\$ 2,350,901
MIDW	1285943	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 575,702	\$ 1,175,450
MIDW	1285944	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 575,702	\$ 1,175,450
									\$ -	\$ 438,240	\$ 2,302,809	\$ 4,701,801

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1285942	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 1,136,739	\$ 8,730,000	\$ 2,348,946	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 888	\$ 500,000	\$ 1,955	
						Total	\$ 1,151,405	\$ 9,540,015	\$ 2,350,902
1285943	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 568,369	\$ 8,730,000	\$ 1,174,472	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 444	\$ 500,000	\$ 978	
						Total	\$ 575,702	\$ 9,540,015	\$ 1,175,450
1285944	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 568,369	\$ 8,730,000	\$ 1,174,472	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 444	\$ 500,000	\$ 978	
						Total	\$ 575,702	\$ 9,540,015	\$ 1,175,450

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	12/1/2007	6/1/2011		Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE_CO 115KV	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes
	1285943	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011	
BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA		6/1/2008	6/1/2011		Yes
CIRCLE - RENO COUNTY 115KV CKT 2		6/1/2009	6/1/2011		Yes
FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1		6/1/2008	6/1/2011		Yes
GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1		6/1/2008	6/1/2011		Yes
HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1		6/1/2009	6/1/2009		
HARPER CAPACITOR		6/1/2008	6/1/2010		No
NORTH CIMARRON CAPACITOR		6/1/2009	6/1/2010		No
PRATT 115KV		6/1/2008	6/1/2010		No
RICE_CO 115KV		6/1/2008	6/1/2010		No
STRANGER CREEK TRANSFORMER CKT 2		6/1/2013	6/1/2013		
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1		6/1/2008	6/1/2011		No
Summit - NE Saline 115 kv		4/1/2008	6/1/2011		Yes
TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1		6/1/2013	6/1/2013		
WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11		6/1/2008	6/1/2009		Yes
WEST MCPHERSON - WHEATLAND 115KV CKT 1		6/1/2008	6/1/2011		Yes

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

1285944	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011	Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING ST	6/1/2008	6/1/2011	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	RICE CO 115KV	6/1/2008	6/1/2010	No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011	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
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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285943	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285944	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
 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	\$ -	\$ 328,680	\$ 3,915,898	\$ 6,964,067
MIDW	1285947	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 2,610,588	\$ 4,642,693
MIDW	1285948	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 1,305,280	\$ 2,321,322
									\$ -	\$ 657,360	\$ 7,831,766	\$ 13,928,083

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285946	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 20,668	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 150,842	\$ 631,721	\$ 252,910
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 931,059	\$ 3,899,243	\$ 1,561,063
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 816,627	\$ 3,420,007	\$ 1,369,201
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 44,475	\$ 10,000,000	\$ 75,864
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 1,049	\$ 500,000	\$ 2,310
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 939,728	\$ 3,935,549	\$ 1,575,598
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 1,011,450	\$ 4,235,917	\$ 2,127,121
					Total	\$ 3,915,898	\$ 26,932,452	\$ 6,964,067
					Yes	\$ 13,778	\$ 310,015	\$ -
1285947	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 100,561	\$ 631,721	\$ 168,606
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 620,704	\$ 3,899,243	\$ 1,040,706
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 544,416	\$ 3,420,007	\$ 912,797
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 29,650	\$ 10,000,000	\$ 50,576
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 699	\$ 500,000	\$ 1,539
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 626,483	\$ 3,935,549	\$ 1,050,395
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 674,297	\$ 4,235,917	\$ 1,418,074
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 2,610,588	\$ 26,932,452	\$ 4,642,693
					Total	\$ 6,889	\$ 310,015	\$ -
					Yes	\$ 50,280	\$ 631,721	\$ 84,302
1285948	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 310,348	\$ 3,899,243	\$ 520,346
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 272,205	\$ 3,420,007	\$ 456,394
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 14,825	\$ 10,000,000	\$ 25,288
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 350	\$ 500,000	\$ 771
	LAMAR 345KV SVC	6/1/2012	6/1/2012		No	\$ 313,238	\$ 3,935,549	\$ 525,192
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 337,145	\$ 4,235,917	\$ 709,030
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes			
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes			
					Total	\$ 1,305,280	\$ 26,932,452	\$ 2,321,322
					Yes			

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

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

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	
1285946	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011		Yes	
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes	
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes	
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes	
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011			
	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	6/1/2011		Yes	
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011			
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010			
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes	
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes	
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009			
	HARPER CAPACITOR	6/1/2008	6/1/2010		No	
	Hitchland Interchange Project	6/1/2012	6/1/2012			
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011			
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No	
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No	
	PRATT 115KV	6/1/2008	6/1/2010		No	
	RICE CO 115KV	6/1/2008	6/1/2010		No	
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011			
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009			
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012			
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No	
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013			
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No	
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes	
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013			
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012			
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010			
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011			
	WEST GARDNER (WGARD 11) 345-161-13_8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes	
	1285947	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011		Yes
		CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
		CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
CIRCLE - RENO COUNTY 115KV CKT 2		6/1/2009	6/1/2011		Yes	
CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1		6/1/2010	6/1/2010			
CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1		6/1/2011	6/1/2011			
CLAY CENTER - GREENLEAF 115KV CKT 1		6/1/2008	6/1/2011		Yes	
COWSKIN - WESTLINK 69KV		6/1/2010	6/1/2010			
COWSKIN - WESTLINK 69KV		6/1/2011	6/1/2011			
FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1		6/1/2008	6/1/2011		Yes	
GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1		6/1/2008	6/1/2011		Yes	
HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1		6/1/2009	6/1/2009			
HARPER CAPACITOR		6/1/2008	6/1/2010		No	
Hitchland Interchange Project		6/1/2012	6/1/2012			
HOOVER SOUTH - TYLER 69KV		6/1/2011	6/1/2011			
KINSLEY CAPACITOR		6/1/2008	6/1/2010		No	
NORTH CIMARRON CAPACITOR		6/1/2009	6/1/2010		No	
PRATT 115KV		6/1/2008	6/1/2010		No	
RICE CO 115KV		6/1/2008	6/1/2010		No	
SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1		6/1/2011	6/1/2011			
SEMINOLE INTERCHANGE		6/1/2009	6/1/2009			
Sherman - Dalhart 115 kV		6/1/2012	6/1/2012			
ST JOHN CAPACITOR		6/1/2008	6/1/2010		No	
STRANGER CREEK TRANSFORMER CKT 2		6/1/2013	6/1/2013			
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1		6/1/2008	6/1/2011		No	
Summit - NE Saline 115 kV		4/1/2008	6/1/2011		Yes	
TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1		6/1/2013	6/1/2013			
Texas Co-Hitchland-Sherman Tap 115 kV		6/1/2012	6/1/2012			
TYLER - WESTLINK 69KV		6/1/2011	6/1/2011			
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	

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

1285948	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 KV	6/1/2012	6/1/2012		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	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

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		

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

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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
1285947	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
1285948	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
1285948	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
 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	\$ -	\$ 219,120	\$ 1,144,305	\$ 2,020,837
MIDW	1285950	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 572,140	\$ 1,010,396
									\$ -	\$ 328,680	\$ 1,716,445	\$ 3,031,232

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285949	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 43,343	\$ 631,721	\$ 72,671
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 267,531	\$ 3,899,243	\$ 448,557
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 234,650	\$ 3,420,007	\$ 393,427
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 22,932	\$ 10,000,000	\$ 39,117
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 1,419	\$ 500,000	\$ 3,125
	Speerville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 270,022	\$ 3,935,549	\$ 452,733
	Speerville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 290,630	\$ 4,235,917	\$ 611,207
					Total	\$ 1,144,305	\$ 26,932,452	\$ 2,020,837
1285950	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 21,671	\$ 631,721	\$ 36,335
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 133,762	\$ 3,899,243	\$ 224,273
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 117,322	\$ 3,420,007	\$ 196,708
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 11,467	\$ 10,000,000	\$ 19,560
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 709	\$ 500,000	\$ 1,561
	Speerville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 135,008	\$ 3,935,549	\$ 226,362
	Speerville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 145,312	\$ 4,235,917	\$ 305,597
					Total	\$ 572,140	\$ 26,932,452	\$ 1,010,396

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010		
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011		Yes
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	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

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	12/1/2007	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010	
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011	
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	RICE CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012	
	ST JOHN CAPACITOR	6/1/2008	6/1/2010	No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012	
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010	
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011	
	WEST GARDNER (WGARD 11) 345-161-13 .8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	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
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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285950	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
 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	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 1,467,864	\$ 3,004,832
MIDW	1285952	WR	WR	2	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 219,120	\$ 1,467,864	\$ 3,004,832
MIDW	1285953	WR	WR	1	6/1/2008	6/1/2013	6/1/2011	6/1/2016	\$ -	\$ 109,560	\$ 733,938	\$ 1,502,428
									\$ -	\$ 547,800	\$ 3,669,666	\$ 7,512,091

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1285951	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 1,453,180	\$ 8,730,000	\$ 3,002,837	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 906	\$ 500,000	\$ 1,995	
						Total	\$ 1,467,864	\$ 9,540,015	\$ 3,004,832
1285952	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 1,453,180	\$ 8,730,000	\$ 3,002,837	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 906	\$ 500,000	\$ 1,995	
						Total	\$ 1,467,864	\$ 9,540,015	\$ 3,004,832
1285953	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -	
	LYONS - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes	\$ 726,596	\$ 8,730,000	\$ 1,501,431	
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 453	\$ 500,000	\$ 998	
						Total	\$ 733,938	\$ 9,540,015	\$ 1,502,428

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	12/1/2007	6/1/2011		Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA	6/1/2008	6/1/2011		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE_CO 115KV	6/1/2008	6/1/2010		No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011		Yes
	1285952	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011	
BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA		6/1/2008	6/1/2011		Yes
CIRCLE - RENO COUNTY 115KV CKT 2		6/1/2009	6/1/2011		Yes
FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1		6/1/2008	6/1/2011		Yes
GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1		6/1/2008	6/1/2011		Yes
HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1		6/1/2009	6/1/2009		
HARPER CAPACITOR		6/1/2008	6/1/2010		No
NORTH CIMARRON CAPACITOR		6/1/2009	6/1/2010		No
PRATT 115KV		6/1/2008	6/1/2010		No
RICE_CO 115KV		6/1/2008	6/1/2010		No
STRANGER CREEK TRANSFORMER CKT 2		6/1/2013	6/1/2013		
STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1		6/1/2008	6/1/2011		No
Summit - NE Saline 115 kv		4/1/2008	6/1/2011		Yes
TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1		6/1/2013	6/1/2013		
WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11		6/1/2008	6/1/2009		Yes
WEST MCPHERSON - WHEATLAND 115KV CKT 1		6/1/2008	6/1/2011		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	12/1/2007	6/1/2011	Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING ST	6/1/2008	6/1/2011	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	RICE CO 115KV	6/1/2008	6/1/2010	No
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013	
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011	Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013	
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009	Yes
	WEST MCPHERSON - WHEATLAND 115KV CKT 1	6/1/2008	6/1/2011	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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285952	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
1285953	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
 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	\$ -	\$ 87,648	\$ 1,121,373	\$ 1,790,970
MIDW	1285959	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	\$ -	\$ 43,824	\$ 560,673	\$ 895,463
MIDW	1285960	WR	WR	1	6/1/2008	6/1/2010	6/1/2011	6/1/2013	\$ -	\$ 43,824	\$ 560,673	\$ 895,463
									\$ -	\$ 175,296	\$ 2,242,719	\$ 3,581,897

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285958	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 13,778	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 43,343	\$ 631,721	\$ 65,192
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 267,531	\$ 3,899,243	\$ 402,393
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 234,650	\$ 3,420,007	\$ 352,937
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 1,419	\$ 500,000	\$ 2,870
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 270,022	\$ 3,935,549	\$ 406,140
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 290,630	\$ 4,235,917	\$ 561,438
	Total					\$ 1,121,373	\$ 16,932,452	\$ 1,790,970
1285959	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 21,671	\$ 631,721	\$ 32,595
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 133,762	\$ 3,899,243	\$ 201,191
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 117,322	\$ 3,420,007	\$ 176,464
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 709	\$ 500,000	\$ 1,434
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 135,008	\$ 3,935,549	\$ 203,065
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 145,312	\$ 4,235,917	\$ 280,713
	Total					\$ 560,673	\$ 16,932,452	\$ 895,463
1285960	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	6/1/2008	6/1/2011		Yes	\$ 6,889	\$ 310,015	\$ -
	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 21,671	\$ 631,721	\$ 32,595
	EDWARDS - ST JOHN 115KV	6/1/2009	6/1/2011		Yes	\$ 133,762	\$ 3,899,243	\$ 201,191
	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	6/1/2009	6/1/2011		Yes	\$ 117,322	\$ 3,420,007	\$ 176,464
	RULETON 115KV Capacitor	6/1/2008	6/1/2010		No	\$ 709	\$ 500,000	\$ 1,434
	Spearville - Kinsley 115 kV MIDW	6/1/2009	6/1/2011		Yes	\$ 135,008	\$ 3,935,549	\$ 203,065
	Spearville - Kinsley 115 kV SUNC	6/1/2009	6/1/2011		Yes	\$ 145,312	\$ 4,235,917	\$ 280,713
	Total					\$ 560,673	\$ 16,932,452	\$ 895,463

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	12/1/2007	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011		Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010		Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011		
	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	6/1/2011		Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011		Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HARPER CAPACITOR	6/1/2008	6/1/2010		No
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010		No
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE CO 115KV	6/1/2008	6/1/2010		No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011		No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011		Yes
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
	TYLER - WESTLINK 69KV	6/1/2010	6/1/2010		
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	WEST GARDNER (WGARD 11) 345-161-13 8KV TRANSFORMER CKT 11	6/1/2008	6/1/2009		Yes

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	12/1/2007	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2010	6/1/2010	
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	CLAY CENTER - GREENLEAF 115KV CKT 1	6/1/2008	6/1/2011	Yes
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010	
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	RICE CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012	
	ST JOHN CAPACITOR	6/1/2008	6/1/2010	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011	Yes
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012	
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011	
	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
1285960	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	12/1/2007	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2011	Yes
	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	6/1/2008	6/1/2010	Yes
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011	Yes
	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	6/1/2011	6/1/2011	
	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	6/1/2011	Yes
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011	
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010	
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011	Yes
	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	6/1/2008	6/1/2011	Yes
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009	
	HARPER CAPACITOR	6/1/2008	6/1/2010	No
	Hitchland Interchange Project	6/1/2012	6/1/2012	
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011	
	KINSLEY CAPACITOR	6/1/2008	6/1/2010	No
	NORTH CIMARRON CAPACITOR	6/1/2009	6/1/2010	No
	PRATT 115KV	6/1/2008	6/1/2010	No
	RICE CO 115KV	6/1/2008	6/1/2010	No
	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	6/1/2011	6/1/2011	
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009	
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012	
	ST JOHN CAPACITOR	6/1/2008	6/1/2010	No
	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	6/1/2008	6/1/2011	No
	Summit - NE Saline 115 kV	4/1/2008	6/1/2011	Yes
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012	
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011	
	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

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		
1285959	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
	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		
1285960	SUMMIT - RENO 345KV	6/1/2010	6/1/2009		
	WICHITA - RENO 345KV	6/1/2009	6/1/2009		
	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		
	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	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
1285959	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
1285960	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	6/1/2012	6/1/2012		
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		Yes

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

Customer Study Number
 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	6/1/2010	6/1/2033	\$ 2,083,293	\$ -	\$ 2,083,293	\$ 6,420,099
									\$ 2,083,293	\$ -	\$ 2,083,293	\$ 6,420,099

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1285606	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 2,083,293	\$ 10,000,000	\$ 6,420,099
Total						\$ 2,083,293	\$ 10,000,000	\$ 6,420,099

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
1285606	ALTUS JUNCTION 69KV Capacitor	6/1/2008	6/1/2009		No
	RUSSEL SWITCH CAP BANK	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
1285606	ARCADIA - REDBUD 345 KV CKT 1	6/1/2006	6/1/2006		
	ARCADIA - REDBUD 345 KV CKT 2	6/1/2006	6/1/2006		
	FPL SWITCH - MOORELAND 138KV CKT 1 OKGE	6/1/2006	4/1/2008		
	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	6/1/2006	4/1/2008		

Reservation 1285606, 1285609, 1285610, 1285612, 1285614, 1285616, 1285621, 1285622, and 1285908 were studied as one request

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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

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

Customer Study Number
 OMPA AG2-2007-061

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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

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

Customer Study Number
 OMPA AG2-2007-065

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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	6/1/2010	6/1/2033	\$ -	\$ -	\$ -	\$ -
									\$ -	\$ -	\$ -	\$ -

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

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
1282919	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	PRATT 115KV	6/1/2008	6/1/2010		

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	\$ 16,711,829	\$ 20,814,838
									\$ -	\$ 561,600	\$ 16,711,829	\$ 20,814,838

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
	RULETON 115KV Capacitor	6/1/2008	6/1/2010			\$ 45,162	\$ 500,000	\$ 99,849
Total						\$ 16,711,829	\$ 50,500,000	\$ 20,814,838

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
1283102	REDEL - STILWELL 161KV CKT 1	6/1/2008	6/1/2010		
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		

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

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
1283767	HARPER CAPACITOR	6/1/2008	6/1/2010		
	KINSLEY CAPACITOR	6/1/2008	6/1/2010		
	PRATT 115KV	6/1/2008	6/1/2010		

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	6/1/2011	6/1/2031	\$ 215,887	\$ -	\$ 215,887	\$ 682,171
									\$ 215,887	\$ -	\$ 215,887	\$ 682,171

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1286502	412SUB - KERR 161KV CKT 1 Displacement	6/1/2011	6/1/2011			\$ 37,764	\$ 382,935	\$ 137,146
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 178,123	\$ 10,000,000	\$ 545,024
	SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
	SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012			\$ -	\$ -	\$ -
	Total					\$ 215,887	\$ 10,382,935	\$ 682,171

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
1286502	412SUB - KANSAS TAP 161KV CKT 1	6/1/2009	6/1/2010		
	BROOKLINE - SUMMIT 345 kV CKT 1	6/1/2013	6/1/2013		
	JAMES RIVER - TWIN OAKS 69KV CKT 1	6/1/2016	6/1/2016		
	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	KICKAPOO - SUNSET 69KV CKT 1	6/1/2015	6/1/2015		
	NEERGARD - NORTON 69KV CKT 1	6/1/2009	6/1/2010		
	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	6/1/2012	6/1/2012		
	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	6/1/2010	6/1/2011		
	SUB 124 - AURORA H.T. - SUB 383 - MONETT 161KV CKT 1	6/1/2017	6/1/2017		
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		

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

Reservation	Upgrade Name	COD	EOC	Earliest Service 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	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		
	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	6/1/2012	6/1/2012		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1286502	E5T_JOE 161.00 - EVERTON 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	EVERTON - HARRISON-EAST 161KV CKT 1	6/1/2008	6/1/2008			\$ -	\$ -
	FRANKS - FT WOOD 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER 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
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			\$ -	\$ -	\$ 8,823,810	\$ 17,541,002
SPSM	1280571	SPS	SPS	70	1/1/2009	1/1/2029			\$ -	\$ -	\$ 7,720,835	\$ 15,348,380
									\$ -	\$ -	\$ 16,544,645	\$ 32,889,382

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	6/1/2016	6/1/2016			\$ 8,028,733	\$ 15,053,875	\$ 15,531,723
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 774,698	\$ 10,000,000	\$ 1,952,657
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 20,379	\$ 38,211	\$ 56,622
					Total	\$ 8,823,810	\$ 25,092,086	\$ 17,541,002
1280571	Hart Interchange 230/115 kV	6/1/2016	6/1/2016			\$ 7,025,142	\$ 15,053,875	\$ 13,590,259
	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 677,861	\$ 10,000,000	\$ 1,708,575
	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	6/1/2010	6/1/2010			\$ 17,832	\$ 38,211	\$ 49,546
					Total	\$ 7,720,835	\$ 25,092,086	\$ 15,348,380

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	6/1/2015	6/1/2015		
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	Stateline Project	6/1/2011	6/1/2011		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	6/1/2012	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kV	6/1/2012	6/1/2012		
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	6/1/2015	6/1/2015		
	Hitchland Interchange Project	6/1/2012	6/1/2012		
	SEMINOLE INTERCHANGE	6/1/2009	6/1/2009		
	Sherman - Dalhart 115 kV	6/1/2012	6/1/2012		
	Stateline Project	6/1/2011	6/1/2011		
	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	6/1/2012	6/1/2012		
	Texas Co-Hitchland-Sherman Tap 115 kV	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
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	6/1/2012	6/1/2037	\$ 342,000	-	\$ 2,992,915	\$ 8,937,334
									\$ 342,000	-	\$ 2,992,915	\$ 8,937,334

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	6/1/2012	6/1/2012			\$ 200,000	\$ 200,000	\$ 558,847
	FT SUPPLY - WOODWARD 69KV CKT 1	6/1/2008	6/1/2011			\$ 2,792,915	\$ 4,500,000	\$ 8,378,486
						\$ 2,992,915	\$ 4,700,000	\$ 8,937,334

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	6/1/2011		
	ComancheSW Cap Bank	6/1/2009	6/1/2010		
	CYRIL Voltage Conversion	6/1/2011	6/1/2011		
	Dover Switch Capacitor	6/1/2008	6/1/2010		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	6/1/2011	6/1/2012		
	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	6/1/2011	6/1/2012		
	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	6/1/2010	6/1/2010		
	GLASSES - RUSSETT 138KV CKT 1	6/1/2011	6/1/2012		
	HAMMETT - MEEKER 138KV CKT 1	6/1/2012	6/1/2012		
	Norman Area Voltage Conversion	6/1/2017	6/1/2017		
	PHAROAH - WELEETKA 138KV CKT 1 SWPA	6/1/2012	6/1/2012		
	PHAROAH - WELEETKA 138KV CKT 1 WFEC	6/1/2012	6/1/2012		
	RUSSETT - RUSSETT 138KV CKT 1 OKGE	6/1/2011	6/1/2012		
	RUSSETT - RUSSETT 138KV CKT 1 WFEC	6/1/2011	6/1/2012		
	TURKEY CREEK CAP BANK	6/1/2008	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
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 interconnects>Sweetwater>Durham>Brantley>Morewood to 138	6/1/2008	6/1/2009		

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

Customer Study Number
 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	\$ 897,031	\$ 1,919,717
									\$ -	\$ 1,080,000	\$ 897,031	\$ 1,919,717

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements
1268638	IATAN - STRANGER CREEK 345KV CKT 2	6/1/2012	6/1/2012			\$ 897,031	\$ 4,123,800	\$ 1,919,717
	Total					\$ 897,031	\$ 4,123,800	\$ 1,919,717

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
1268638	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-EXP	6/1/2008	6/1/2009	6:00	No
	PLATTE CITY - SMITHVILLE 161KV CKT 1	6/1/2012	6/1/2012		
	REDEL - STILWELL 161KV 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
1268638	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-TS	6/1/2008	6/1/2010		No

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1268638	2HIGBEE 69.000 - STURGEON 69KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	MOBERLY TAP - THOMAS HILL 161KV CKT 1	6/1/2012	6/1/2012			\$ -	\$ -
	OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	12/1/2008	12/1/2008			\$ -	\$ -
	THOMAS HILL - YATES 69KV 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
 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	6/1/2011	6/1/2011			\$ -	\$ -	\$ -
	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	6/1/2011	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
1278809	STRUM-W# - HERGETT 161KV CKT 1 SWPA	6/1/2014	6/1/2014		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2016	6/1/2016		

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	6/1/2011	6/1/2011			\$ -	\$ -
	CAPE GIR 161.00 - JOPPA SR 161.00 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
 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		
	JONES - JONESBORO 161KV CKT 1 SWPA	6/1/2016	6/1/2016		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278811	CAPE GIR 161.00 - JOPPA SR 161.00 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
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	6/1/2016	6/1/2016		

Third Party Limitations.

Reservation	Upgrade Name	COD	EOC	Earliest Service Start Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost
1278813	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			\$ -	\$ -
					Total	\$ -	\$ -

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

Customer Study Number
WRGS AG2-2007-092D

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	\$ -	\$ 2,313,477	\$ 4,727,827
									\$ 1,782,000	\$ -	\$ 2,313,477	\$ 4,727,827

Reservation	Upgrade Name	COD	EOC	Earliest Service Date	Redispatch Available	Allocated E & C Cost	Total E & C Cost	Total Revenue Requirements	
1286201	LAMAR 345KV SVC	6/1/2012	6/1/2012			\$ 2,313,477	\$ 10,000,000	\$ 4,727,827	
						Total	\$ 2,313,477	\$ 14,000,000	\$ 4,727,827

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	12/1/2007	6/1/2011		Yes
	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STA	6/1/2008	6/1/2011		Yes
	Cimarron Plant Substation Expansion	6/1/2012	6/1/2012		
	CIRCLE - RENO COUNTY 115KV CKT 2	6/1/2009	6/1/2011		Yes
	COWSKIN - WESTLINK 69KV	6/1/2011	6/1/2011		
	COWSKIN - WESTLINK 69KV	6/1/2010	6/1/2010		
	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 1	6/1/2008	6/1/2011		No
	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	6/1/2016	6/1/2016		
	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	6/1/2009	6/1/2009		
	HOLCOMB - PLYMELL 115KV CKT 1	6/1/2009	6/1/2011		Yes
	HOOVER SOUTH - TYLER 69KV	6/1/2011	6/1/2011		
	PIONEER TAP - PLYMELL 115KV CKT 1	6/1/2009	6/1/2011		Yes
	PRATT 115KV	6/1/2008	6/1/2010		No
	RICE_CO 115KV	6/1/2008	6/1/2010		No
	ST JOHN CAPACITOR	6/1/2008	6/1/2010		No
	STAGG HILL - SWMANHT3 115.00 115KV CKT 1	6/1/2015	6/1/2015		
	STRANGER CREEK TRANSFORMER CKT 2	6/1/2013	6/1/2013		
	Summit - NE Saline 115 kv	4/1/2008	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2013	6/1/2013		
	TYLER - WESTLINK 69KV	6/1/2011	6/1/2011		
	TYLER - WESTLINK 69KV	6/1/2010	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
1286201	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
1286201	COFFEYVILLE TAP - DEARING 138KV CKT 1 AEPW	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	6/1/2008	6/1/2010		Yes
	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	6/1/2008	6/1/2010		Yes
	EAST MANHATTAN (EMANHT3X) 230/115/18.0KV TRANSFORMER CKT 2	6/1/2009	6/1/2011		Yes
	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	6/1/2011	6/1/2011		
	MEDICINE LODGE - SUN CITY 115KV CKT 1	6/1/2009	6/1/2009		
	RENO - SUMMIT 345KV	12/1/2007	6/1/2011		Yes
	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	6/1/2009	6/1/2009		
	WICHITA - RENO 345KV	12/1/2007	7/1/2009		No

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)	Estimated Engineering & Construction Cost
AEPW	ARSENAL HILL (ARSHILL1) 138/69/12.47KV TRANSFORMER CKT 1	used the IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	06/01/13	06/01/13	\$ -
AEPW	ARSENAL HILL (ARSHILL2) 138/69/14.5KV TRANSFORMER CKT 2	used the IEEE Guide for Loading of Mineral-Oil Immersed Power Transformers (C57.91-2000) to re-rate the Arsenal Hill autos above their nameplate value.	06/01/13	06/01/13	\$ -
GRDA	412SUB - KERR 161KV CKT 1 Displacement	Reconductor 12.5 miles with 1590MCM ACSR	06/01/11	06/01/11	\$ 382,935
KACP	IATAN - STRANGER CREEK 345KV CKT 2	Convert Iatan-Stranger Creek 161KV line to 345KV	06/01/12	06/01/12	\$ 4,123,800
KACP	MERRIAM - ROELAND PARK 161KV CKT 1 Displacement	reconductor with 1192 acsr; upgrade term equip 1200 A	06/01/12	06/01/12	\$ 543,477
MIDW	EDWARDS - PAWNEE-EDWARDS_JCT 115KV	Rebuild 2.9 miles	06/01/09	06/01/11	\$ 631,721
MIDW	EDWARDS - ST JOHN 115KV	Rebuild 17.9 miles	06/01/09	06/01/11	\$ 3,899,243
MIDW	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	Rebuild 15.7 miles	06/01/09	06/01/11	\$ 3,420,007
MIDW	Spearville - Kinsley 115 kv MIDW	Build new 22.8 mile 115 kv line from Spearville to North Kinsley with 1192 ACSR	06/01/09	06/01/11	\$ 3,935,549
OKGE	CRESWELL - NEWKIRK 138KV CKT 1 OKGE	Rebuild Creswell-Newkirk 138	10/01/08	06/01/10	\$ 4,740,000
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	06/01/16	06/01/16	\$ 15,053,875
SPS	LAMAR 345KV SVC	Install 100-/50MVAR SVC	06/01/12	06/01/12	\$ 10,000,000
SPS	Lamar HVDC Tie Expansion	Expand Lamar HVDC Tie by 104 MW	10/01/07	06/01/12	\$ 50,000,000
SPS	NICHOLS STATION - WHITAKER SUB 115KV CKT 1 Displacement	Replace Terminal Equipment	06/01/10	06/01/10	\$ 38,211
SUNC	RULETON 115KV Capacitor	Install addition 12 MVAR Capacitor at Ruleton 115KV	06/01/08	06/01/10	\$ 500,000
SUNC	Spearville - Kinsley 115 kv SUNC	Build new 22.8 mile 115 kv line from Spearville to North Kinsley.	06/01/09	06/01/11	\$ 4,235,917
SWPA	5ASHRVL - IDALIA 161KV CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	KENNETT (KEN X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	KENNETT (KEN X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	POPLAR BLUFF (PBL X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	POPLAR BLUFF (PBL X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	POPLAR BLUFF (PBL X3) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
SWPA	SPRINGFIELD (SPF X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
SWPA	SPRINGFIELD (SPF X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
WERE	CIRCLE - HUTCHINSON GAS TURBINE STATION 115KV CKT 1 Displacement	Rebuild and convert HEC-HEC GT-Circle loop to 115 kv.	06/01/08	06/01/11	\$ 310,015
WERE	CIRCLE - RENO COUNTY 115KV CKT 1	Rebuild line	06/01/12	06/01/12	\$ -
WERE	CRESWELL - NEWKIRK 138KV CKT 1 WERE	WR Tear down, rebuild with new 1192.5 kcmil ACSR conductor 6.07 miles to Oklahoma border. New conductor rating of 293MVA. Limit is now breaker/CT/Wavetrap at 191mva.	10/01/08	06/01/10	\$ 1,600,000
WERE	LYONS - WHEATLAND 115KV CKT 1	Rebuild 19.4 miles	06/01/08	06/01/11	\$ 8,730,000
WERE	STRANGER CREEK - NW LEAVENWORTH 115KV	Rebuild 11.62-mile Jarbalo-NW Leavenworth 115 kv line and tap in & out of Stranger 115 kv	06/01/16	06/01/16	\$ 4,000,000
WFEC	ALVA - CHEROKEE SW 69KV CKT 1	Change CT ratio	06/01/12	06/01/12	\$ 200,000
WFEC	FT SUPPLY - WOODWARD 69KV CKT 1	Reconductor 18.0 miles from 336 to 795 ACSR	06/01/08	06/01/11	\$ 4,500,000

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

Transmission Owner	Upgrade	Solution	Earliest 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.	06/01/08	06/01/10
AEPW	LINWOOD - MCWILLIE STREET 138KV CKT 1 #1	Rebuild 2.09 miles of 666 ACSR with 1272 ACSR	06/01/08	06/01/10
AEPW	LONGWOOD (LONGWOOD) 345/138/13.2KV TRANSFORMER CKT 1	Replace Longwood Autotransformer & 4 - 138 kv switches	06/01/08	06/01/10
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	06/01/08	06/01/09
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	06/01/08	06/01/09
KACP	MARTIN CITY - REDEL 161KV CKT 1	reconductor 1192 acss upgrade terminal equip 2000 amp	06/01/09	06/01/10
MIPU	COOK - ST JOE 161KV CKT 1	Conductor, Switch, Relay	06/01/09	06/01/10
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-TS	Reconductor to Bundled Drake	06/01/08	06/01/10
OKGE	3RDST - ARKOMA 161KV CKT 1	Replace 8-1200A switches & 2-wave traps.	06/01/16	06/01/16
SPRM	SOUTHWEST - SOUTHWEST DISPOSAL 161KV CKT 1	Reconductor 1192 AAC with 1158.4 ACSS/TW	06/01/12	06/01/12
WEPL	MEDICINE LODGE - SUN CITY 115KV CKT 1	Replace relaying from Sun City to Medicine Lodge	06/01/09	06/01/09
WERE	166TH STREET - JAGGARD JUNCTION 115KV CKT 1	Tear down and rebuild 3.66 mile 166-Jaggard 115 kv line.	06/01/08	06/01/09
WERE	166TH STREET - JARBALO JUNCTION SWITCHING STATION 115KV CKT 1	Tear down and rebuild 7.22 mile Jarbalo-166 115 kv line.	06/01/08	06/01/09
WERE	ALLEN - LEHIGH TAP 69KV CKT 1	Tear down / Rebuild 5.69-mile line; 954 kcmil ACSR	06/01/08	06/01/11
WERE	ARKANSAS CITY - PARIS 69KV CKT 1	Tear down / rebuild 1.67-mile line, 954 kcmil ACSR	06/01/08	06/01/11
WERE	CITY OF WINFIELD - RAINBOW 69KV CKT 1	Rebuild 3.99-mile Rainbow-Winfield 69 kv line, 954 ACSR	06/01/08	06/01/11
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE	Tie Line. Rebuild 3.93 miles of 795 ACSR with 1590 ACSR.	06/01/08	06/01/10
WERE	COFFEYVILLE TAP - DEARING 138KV CKT 1 WERE #2	Replace Terminal Equipment.	06/01/08	06/01/10
WERE	CRESWELL - OAK 69KV CKT 1	Replace jumpers and bus, and reset CTs and relaying. Rebuild substations.	06/01/08	06/01/11
WERE	EAST MANHATTAN - JEFFREY ENERGY CENTER 230KV CKT 1	Rebuild 27 miles 345kv construction operated as 230kv	06/01/12	06/01/12
WERE	EAST MANHATTAN (EMANTH3X) 230/115/18.0KV TRANSFORMER CKT 2	Add second parallel 230-115kv transformer at E Manhattan	06/01/09	06/01/11
WERE	EVANS ENERGY CENTER SOUTH - LAKERIDGE 138KV CKT 1	Reconductor 8.02 miles with Bundled 1192.5 ACSR	06/01/11	06/01/11
WERE	Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kv with Athens Allen and Tioga 69 kv 15 MVAR Capacitor Additions	Rebuild 23.96 miles Green to Vernon to Athens to Owl Creek to Lehigh Tap 69 kv (138kv/69kv Operation) with Athens Allen and Tioga 69 kv 15 MVAR Capacitor Additions	06/01/08	06/01/11
WERE	JAGGARD JUNCTION - PENTAGON 115KV CKT 1	Tear down and rebuild Jaggard - Pentagon 115 kv line.	06/01/08	06/01/09
WERE	LEHIGH TAP - OWL CREEK 69KV CKT 1	Tear down / Rebuild 8.47-mile 69 kv line; 954 kcmil ACSR	06/01/08	06/01/11
WERE	LEHIGH TAP - UNITED NO. 9 CONGER 69KV CKT 1	Tear down / Rebuild 0.91-mile 69 kv line; 954 kcmil ACSR	06/01/08	06/01/11
WERE	OAK - RAINBOW 69KV CKT 1	Tear down / Rebuild 5.10-mile Oak-Rainbow 69 kv using 954 kcmil ACSR	06/01/08	06/01/11
WERE	RENO - SUMMIT 345KV	Install new 50.55-mile 345 kv line from Reno county to Summit; 31 miles of 115 kv line between Circle and S Philips would be rebuilt as double circuit with the 345 kv line to minimize ROW impacts; Substation work required at Summit for new 345 kv terminal	12/01/07	06/01/11
WERE	RICHLAND - ROSE HILL JUNCTION 69KV CKT 1	Rebuild 5.43 mile Rose Hill Junction-Richland as a 138 kv line but operate at 69 kv.	04/01/08	06/01/11
WERE	RICHLAND - UDALL 69KV CKT 1	Tear down / Rebuild 8.48-mile Richland-Udall 69 kv line using 954 kcmil ACSR	04/01/08	06/01/11
WERE	ROSE HILL (ROSEHL1X) 345/138/13.8KV TRANSFORMER CKT 3	Add third 345-138 kv transformer at Rose Hill	04/01/08	06/01/10
WERE	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	Convert 161 kv Line to 115 kv Operation	06/01/09	06/01/09
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)	12/01/07	07/01/09
WERE	WICHITA - RENO 345KV	Build 345kv from Wichita to Reno Co	12/01/07	07/01/09
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	12/01/07	06/01/08
WFEC	Sayre Interconnect->Sweetwater->Durham->Brantley->Morewood to 138	Sayre to Sweetwater->Durham->Brantley->MorewoodSw convert to 138 KV	06/01/08	06/01/09

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	ALTUS JUNCTION 69KV Capacitor	Add 9.6 MVAR Capacitor	06/01/08	06/01/09
AEPW	BARTLESVILLE SOUTHEAST - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 8.37 miles of 795 ACSR with 1590 ACSR & reset relays @ BSE	06/01/12	06/01/12
AEPW	BROKEN BOW - CRAIG JUNCTION 138KV CKT 1	Rebuild 7.66 miles of 3/0 CW CU with 795 ACSR	06/01/08	06/01/10
AEPW	COFFEYVILLE TAP - NORTH BARTLESVILLE 138KV CKT 1	Rebuild 13.11 miles of 795 ACSR with 1590 ACSR.	06/01/12	06/01/12
AEPW	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 AEPW	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	06/01/12	06/01/12
AEPW	DIANA - LONE STAR SOUTH 138KV CKT 1	Rebuild 11.78 miles of 2-336 ACSR with 1590 ACSR and replace Diana wavetramp & jumpers, Diana switch 10387, & reset CTs @ Lone Star South	12/01/09	06/01/11
AEPW	FLINT CREEK - TONTITOWN 161KV CKT 1	Rebuild 16.3 miles of 2-297 ACSR with 2156 ACSR. Replace Flint Creek wavetramp & jumpers. Replace Flint Creek switch # 1K75	06/01/13	06/01/13
AEPW	LIEBERMAN - LONGWOOD 138KV CKT 1	Rebuild 7.8 miles with 2156 ACSR. Replace Longwood wavetramp and jumpers & reset relays. Replace wavetramp & jumpers. 5 switches, & breaker jumpers @ Lieberman.	06/01/08	06/01/11
AEPW	SOUTHWEST SHREVEPORT - SOUTHWEST SHREVEPORT TAP 138KV CKT 1	Rebuild 2.29 miles of 2-397.5 ACSR with 1590 ACSR.	06/01/09	06/01/11
AEPW	Wallace Lake - Port Robson - RedPoint 138 kV	Convert Red Point - Houghton-McDade to 138 kV, 1590 ACSR (includes McDade station conversion)	06/01/09	06/01/10
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	06/01/17	06/01/17
EMDE	SUB 184 - NEOSHO SOUTH JCT. (NEOSHO) 161/69/13.2KV TRANSFORMER CKT 1	Change out 84 MVA transformer to 112 MVA transformer	06/01/11	06/01/11
GRDA	412SUB - KANSAS TAP 161KV CKT 1	Reconductor 9.7 miles with 1590MCM ACSR.	06/01/09	06/01/10
GRDA	AFTON (AFTAUTO1) 161/69/13.8KV TRANSFORMER CKT 1	Replace 50 MVA Transformer with 84 MVA unit.	06/01/09	06/01/10
GRDA	KANSAS TAP - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line to 1590 ACSR	06/01/10	06/01/11
GRDA	KERR - PENSACOLA 115KV CKT 1	Rebuild 22 miles of line from 4/0 CU to 795 ACSR for 161kV	12/01/12	12/01/12
GRDA	SILOAM CITY - WEST SILOAM SPRINGS 161KV CKT 1	Rebuild line to 1590 ACSR	06/01/10	06/01/11
KACP	ANTIOCH - OXFORD 161KV CKT 1	Reconductor 5 miles with 1192.5 ACSS, 558 normal/emergency rating	06/01/08	06/01/10
KACP	AVONDALE - GLADSTONE 161KV CKT 1	Upgrade Wavetramp at Gladstone from 800 amps to 1200 amps	06/01/10	06/01/10
KACP	REDEL - STILLWELL 161KV CKT 1	Reconductor line with 1192 ACSS and upgrade terminal equipment for 2000 amps	06/01/08	06/01/10
KACP	WEST GARDNER (WGARD 11) 345-161-13.8KV TRANSFORMER CKT 11	Replace 400/440 Mva Tx with 600/660 Mva Tx	06/01/08	06/01/09
MIDW	KINSLEY CAPACITOR	Install 12mvar capacitor at Kinsley	06/01/08	06/01/10
MIDW	RICE CO 115KV	Install Capacitor at RICE CO 115KV	06/01/08	06/01/10
MIDW	ST JOHN CAPACITOR	Install 20MVAR capacitors at St. John	06/01/08	06/01/10
MIPU	BELTON SOUTH - TURNER ROAD SUBSTATION 161KV CKT 1	Conductor	06/01/08	06/01/10
MIPU	GRANDVIEW EAST - MARTIN CITY 161KV CKT 1-EXP	Wave Trap	06/01/08	06/01/09
MIPU	MARTIN CITY - TURNER ROAD SUBSTATION 161KV CKT 1	Upgrade to bundled 795 26/7 ACSR conductor	06/01/08	06/01/10
MIPU	PLATTE CITY - SMITHVILLE 161KV CKT 1	Replacement of the wavetramp at Platte City	06/01/12	06/01/12
OKGE	ARKOMA - FT SMITHW 161KV CKT 1	Replace 1200A terminal equipment at Arkoma to 2000A and rebuild 4.47 miles of line to 1590A5S2.	06/01/12	06/01/12
OKGE	CANADIAN - CEDAR LANE 138KV CKT 1	Replace 800A trap at Cedar Lane	06/01/08	06/01/09
OKGE	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 OKGE	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	06/01/12	06/01/12
OKGE	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 OKGE	Reconductor 1.27 miles of line to 1590A5S2. WFEC will have to provide upgrade solution also for their Franklin (WFEC).	06/01/11	06/01/12
OKGE	GLASSES - RUSSETT 138KV CKT 1	Rebuild 8.38 miles of 138KV line with 795A5S3, replace line relays, increase trap	06/01/11	06/01/12
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.	06/01/08	06/01/09
OKGE	RUSSETT - RUSSETT 138KV CKT 1 OKGE	Replace trap and increase CTR. Pending verification of relays.	06/01/11	06/01/12
OKGE	TURKEY CREEK CAP BANK	Install capacitors at Turkey Creek	06/01/08	06/01/10
SPRM	BROOKLINE - SUMMIT 345 kV CKT 1	Build a 345 kV line from Brookline to Summit substation and install a 345/161 kV autotransformer at Summit	06/01/13	06/01/13
SPRM	JAMES RIVER - TWIN OAKS 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW	06/01/16	06/01/16
SPRM	KICKAPOO - SUNSET 69KV CKT 1	Reconductor 636 ACSR with 762.8 ACSS/TW	06/01/15	06/01/15
SPRM	NEERGARD - NORTON 69KV CKT 1	Reconductor 636 ACSR with 477 ACSS/TW	06/01/09	06/01/10
SPS	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 1	Upgrade 115/69 kV transformer (84/96 MVA)	06/01/12	06/01/12
SPS	CARLSBAD INTERCHANGE 115/69KV TRANSFORMER CKT 2	Upgrade 115/69 kV transformer (84/96 MVA)	06/01/12	06/01/12
SPS	DEAF SMITH COUNTY INTERCHANGE 230/115KV TRANSFORMER CKT 3	Add third 230/115 kV auto (150/175.2 MVA)	06/01/15	06/01/15
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 with 115 kV tap of Sparman to Texas Co 115 kV line 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	06/01/12	06/01/12
SPS	SEMINOLE INTERCHANGE	Tap Elk City - Grapevine. New line from Stalene Tap to Graves Co. New 115/69xfmr at Graves Co.	06/01/09	06/01/09
SPS	Sherman - Dalhart 115 kV	Build new 115 kV line from Sherman to Dalhart	06/01/12	06/01/12
SPS	Stalene Project	Upgrade jumper at Terry Co. to a higher rating. Replace 4/0 with 397.5 ACSR cable	06/01/11	06/01/11
SPS	TERRY COUNTY INTERCHANGE - WOLFFORTH INTERCHANGE 115KV CKT 1	Route Sherman Tap to Texas Co in/out of New Hitchland Interchange	06/01/12	06/01/12
SUNC	HOLCOMB - PLYMELL 115KV CKT 1	Rebuild Holcomb to Plymell	06/01/09	06/01/11
SUNC	NORTH CIMARRON CAPACITOR	Install 24 MVAR Capacitor bank at North Cimarron	06/01/09	06/01/10
SUNC	PIONEER TAP - PLYMELL 115KV CKT 1	Rebuild Plymell to Pioneer Tap	06/01/09	06/01/11
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.	06/01/12	06/01/12
SWPA	5TRUM-W# - HERGETT 161KV CKT 1 SWPA	Indeterminate	06/01/14	06/01/14
SWPA	BROWN - RUSSETT 138KV CKT 1 SWPA	Upgrade Terminal Equipment at Brown- Switches/Wavetraps	06/01/12	06/01/12
SWPA	BULL SHOALS - BULL SHOALS 161KV CKT 1	Replace buswork in Bull Shoals switchyard.	06/01/12	06/01/12
SWPA	CARTHAGE (CRG X1) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/12	06/01/12
SWPA	CARTHAGE (CRG X2) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/12	06/01/12
SWPA	CLARKSVILLE - DARDANELLE 161KV CKT 1	Reconductor Clarksville-Dardanelle line	06/01/15	06/01/15
SWPA	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 SWPA	Replace wave trap, disconnect switches, current transformers, and breaker. Bus will limit rating to 1340 amps.	06/01/09	06/01/09
SWPA	JONES - JONESBORO 161KV CKT 1 SWPA	Change the ratio on the metering CTs to 1200/5 and adjust the meters	06/01/16	06/01/16
SWPA	NIXA (NXA X1) 161/69/13.8KV TRANSFORMER CKT 1	Replace with 70MVA transformer.	06/01/12	06/01/12
SWPA	PHAROAH - WEELETKA 138KV CKT 1 SWPA	Tie Line. Replace metering CTs at Weleetka.	06/01/12	06/01/12
WEPL	BELOIT 115KV	Install capacitor at Beloit	06/01/08	06/01/10
WEPL	Cimarron Plant Substation Expansion	Integrate SUNC North Cimarron Tap into reconfigured WEPL Cimarron Plant Sub	06/01/12	06/01/12
WEPL	CLAY CENTER - GREENLEAF 115KV CKT 1	Building a new 115 kV tie with Westar from Greenleaf to Clay Center	06/01/08	06/01/11
WEPL	HARPER CAPACITOR	20MVAR at Harper 138kV	06/01/08	06/01/10
WEPL	PRATT 115KV	20MVAR at Pratt City 115kV	06/01/08	06/01/10
WERE	ANZIO - FORT JUNCTION SWITCHING STATION 115KV CKT 1	Tear down / Rebuild 3.53-mile section of line. 556.5 kcmil ACSR	12/01/07	06/01/11
WERE	BPU - CITY OF MCPHERSON JOHNS-MANVILLE - EAST MCPHERSON SWITCHING STATION 115KV CKT 1	Rebuild Line	06/01/08	06/01/11
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	06/01/08	06/01/10
WERE	CHAPMAN - CLAY CENTER JUNCTION 115KV CKT 1	Reset terminal equipment	06/01/08	06/01/11
WERE	CIRCLE - RENO COUNTY 115KV CKT 2	Rebuild 6.25-miles	06/01/09	06/01/11
WERE	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	Rebuild 4.8 miles	06/01/10	06/01/10
WERE	CIRCLE - SANDHILL ARK VALLEY CO-OP D.P. JUNCTION 115 KV CKT 1	Rebuild 4.8 miles	06/01/11	06/01/11
WERE	COWSKIN - WESTLINK 69KV	Rebuild 2.11 miles	06/01/10	06/01/10
WERE	COWSKIN - WESTLINK 69KV	Rebuild 2.11 miles	06/01/11	06/01/11
WERE	EDWARDSVILLE CAP BANK	Install 30 Mvar cap at Edwarsville 115 kV	12/01/09	06/01/10
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	04/01/08	06/01/11

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

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
WERE	FORT JUNCTION SWITCHING STATION - MCDOWELL CREEK SWITCHING STATION 115KV CKT 2	Rebuild 11-mile McDowell-Ft Junction 115 kv 1&2 with 1192.5 kcmil ACSR	06/01/08	06/01/11
WERE	Fort Scott- Marmaton/Lichfield 161kV	Tap Lichfield-Marmaton 161 kv with new SWBourb5 bus to Ft Scott, and new 161/69 kv transformer at Ft Scott	06/01/10	06/01/12
WERE	GILL ENERGY CENTER EAST - GILLJCT2 69.000 69KV CKT 1	Tear down / Rebuild 3.55-mile Gill-Gill Junction 69 kv line using 954 kcmil ACSR	06/01/08	06/01/11
WERE	GILL ENERGY CENTER EAST - INTERSTATE 138KV CKT 1	Replace wave trap	06/01/16	06/01/16
WERE	HALSTEAD SOUTH - SEDGWICK COUNTY NO. 12 COLWICH 138KV CKT 1	Replace disconnect switches.	06/01/09	06/01/09
WERE	HOOVER SOUTH - TYLER 69KV	Rebuild 1.94 miles	06/01/11	06/01/11
WERE	LAWRENCE HILL - MOCKINGBIRD HILL SWITCHING STATION 115KV CKT 1	Rebuild 5.49 miles	06/01/17	06/01/17
WERE	MOCKINGBIRD HILL SWITCHING STATION - STULL SWITCHING STATION 115KV CKT 1	Tear down and rebuild 6.40 mile Mockingbird-Stull Tap 115 kv line.	06/01/13	06/01/13
WERE	OXFORD CAPACITORS	Install Capacitor Bank at Oxford	06/01/08	06/01/10
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.	06/01/08	06/01/11
WERE	SANDHILL ARK VALLEY CO-OP D.P. JUNCTION - TOWER 33 115 KV CKT 1	Rebuild 4.1 miles and operate line closed	06/01/11	06/01/11
WERE	STAGG HILL - SWMANHT3 115.00 115KV CKT 1	Rebuild line	06/01/15	06/01/15
WERE	STRANGER CREEK TRANSFORMER CKT 2	Install second Stranger Creek 345-115 transformer	06/01/13	06/01/13
WERE	STULL SWITCHING STATION - TECUMSEH HILL 115KV CKT 1	Rebuild 9.84-mile line, 1192.5 ACSR	06/01/08	06/01/11
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.	04/01/08	06/01/11
WERE	TECUMSEH ENERGY CENTER - MIDLAND 115KV CKT 1	Convert 161 kv Line to 115 kv Operation	06/01/13	06/01/13
WERE	TECUMSEH ENERGY CENTER - TECUMSEH HILL 115KV CKT 1	Upgrade 0.24 mile TEC-Tecumseh Hill 115 kv line to 100 degree operation.	12/01/07	06/01/10
WERE	TYLER - WESTLINK 69KV	Rebuild 2.66 miles and operate line normally closed	06/01/10	06/01/10
WERE	TYLER - WESTLINK 69KV	Rebuild 2.66 miles and operate line normally closed	06/01/11	06/01/11
WERE	WEST MCPHERSON - WHEATLAND 115KV CKT 1	Tear down and rebuild 7.88 mile West McPherson-Wheatland 115 kv line.	06/01/08	06/01/11
WFEC	ACME - WEST NORMAN 69KV CKT 1	Reconductor 4 miles from 4/0 to 795 ACSR	12/01/07	06/01/08
WFEC	BROWN - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equipment	06/01/12	06/01/12
WFEC	COLBERT - TEXOMA 138 KV CKT 1	Build new 138kv line from Colbert to Texoma	06/01/08	06/01/11
WFEC	ComancheSW Cap Bank	Commanche Cap Bank, upgrade 12MVAR to 24MVAR	06/01/09	06/01/10
WFEC	CYRIL Voltage Conversion	Cyril-Cyril Junction New 138kv line, 3 miles at 336	06/01/11	06/01/11
WFEC	Dover Switch Capcitor	12 MVAR at Dover Switch	06/01/08	06/01/10
WFEC	FRANKLIN SW - MIDWEST TAP 138KV CKT 1 WFEC	Replace switches and wavetrap at Franklin Switch to 2000A	06/01/11	06/01/12
WFEC	FRANKLIN SW 138/69KV TRANSFORMER CKT 1	Replace 70 MVA Auto with 112 MVA autotrformer (100 MVA base Rating), Upgrade 138 and 69 KV buswork and switches.	06/01/10	06/01/10
WFEC	HAMMETT - MEEKER 138KV CKT 1	Install 10 miles of 138 kv from MEEKER sub to Hammett Sub and install termal equipment	06/01/12	06/01/12
WFEC	Norman Area Voltage Conversion	Convert Canadian - OU - Cole - Criner to 138 KV and Canadian-Goldsbey-OU- W Norman-Acme-Franklin	06/01/17	06/01/17
WFEC	PHAROAH - WELEETKA 138KV CKT 1 WFEC	WFEC will upgrade 800A CT's, new CT limit will be 1200A at PHAROAH	06/01/12	06/01/12
WFEC	RUSSEL SWITCH CAP BANK	Increase 7.2MVAR to 13.2 MVAR at Russell	06/01/08	06/01/10
WFEC	RUSSETT - RUSSETT 138KV CKT 1 WFEC	Upgrade Terminal Equip CTs at Russett	06/01/11	06/01/12

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

Transmission Owner	Upgrade	Solution	Earliest Date Upgrade Required (COD)	Estimated Date of Upgrade Completion (EOC)
AEPW	HUGO POWER PLANT - VALLIANT 345 KV AEPW	Vallient 345 KV line terminal	05/01/10	05/01/10
EMDE	SUB 110 - ORONOGO JCT. - SUB 167 - RIVERTON 161KV CKT 1	Reconductor Oronogo 59467 to Riverton 59469 with Bundled 556 ACSR	06/01/11	06/01/11
KACP	LACYGNE - WEST GARDNER 345KV CKT 1	KCPL Sponsored Project to Reconductor Line to be In-Service by 6/1/2006	06/01/06	06/01/06
OKGE	ARCADIA - REDBUD 345 KV CKT 1	Sponsored Project to Upgrade Terminal Equipment	06/01/06	06/01/06
OKGE	ARCADIA - REDBUD 345 KV CKT 2	Sponsored Project to Upgrade Terminal Equipment	06/01/06	06/01/06
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.	06/01/06	04/01/08
OKGE	KNOBHILL (KNOBHIL4) 138/69/13.2KV TRANSFORMER CKT 1	Replace bus tie with 100MVA transformer	06/01/06	06/01/08
WERE	RENO 345/115KV CKT 1	New stepdown transformer at a new substation in Reno County east northeast of Hutchinson	06/01/09	06/01/10
WERE	RENO 345/115KV CKT 2	Install 2nd stepdown transformer at Reno County substation east northeast of Hutchinson	06/01/10	06/01/10
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	06/01/10	06/01/09
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)	06/01/09	06/01/09
WERE	WICHITA - RENO 345KV	Build 345kv from Wichita to Reno Co	06/01/09	06/01/09
WFEC	FPL SWITCH - MOORELAND 138KV CKT 1 WFEC	Upgrade terminal equipment FPL Sw & Mooreland	06/01/06	04/01/08
WFEC	FT SUPPLY 138/69KV TRANSFORMER CKT 1	Install 2nd 70 MVA auto at Ft Supply	12/01/06	06/01/08
WFEC	HAMON BUTLER - MOREWOOD 69KV CKT 1	Reconductor 1/0 to 336 ACSR - 15.0 miles	06/01/06	04/01/08
WFEC	HUGO POWER PLANT - VALLIANT 345 KV WFEC	New 345/138 kv Auto, and 19 miles 345 KV	05/01/10	05/01/10

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	IDALIA 161/69KV TRANSFORMER CKT 1	Move in mobile 161/69 kv transformer	06/01/15	06/01/15	\$ -
AECI	IDALIA 161/69KV TRANSFORMER CKT 2	Move in mobile 161/69 kv transformer	06/01/15	06/01/15	\$ -
AECI	ZHIGBEE 69,000 - STURGEON 69KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AECI	5ASHRVL - POPLAR BLUFF 161KV CKT 1	Indeterminate	06/01/11	06/01/11	\$ -
AECI	CLARK (CAMP CLA) 161/69/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/17	06/01/17	\$ -
AECI	FRANKS - FT WOOD 161KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AECI	HUBEN (HUBEN) 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	06/01/15	06/01/15	\$ -
AECI	MIAMI - MIAMI EAST NEO 69KV CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
AECI	MOBERLY TAP - THOMAS HILL 161KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AECI	MT VERNON - SUB 446 - CHESAPEAKE 69KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AECI	NEOSHO - NEOSHO AECI 69KV CKT 1	Indeterminate	06/01/10	06/01/10	\$ -
AECI	SENECA - WALKERVILLE TAP 69KV CKT 1	Indeterminate	06/01/15	06/01/15	\$ -
AECI	THOMAS HILL - YATES 69KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AMRN	CAPE GIR 161.00 - JOPPA SR 161.00 161KV CKT 1	Indeterminate	06/01/12	06/01/12	\$ -
AMRN	OVERTON 345.00 () 345/161/13.8KV TRANSFORMER CKT 1	Indeterminate	12/01/08	12/01/08	\$ -
ENTR	5ST_JOE 161.00 - EVERTON 161KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	CLARENCE - MONTGOMERY 230KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	DANVILLE (APL) - MAGAZINE REC 161KV CKT 1 ENTR	Rebuild 17.96 miles of 250 Copperweld with 1272 ACSR.	06/01/12	06/01/12	\$ -
ENTR	DARDANELLE - RUSSELLVILLE SOUTH 161KV CKT 1 ENTR	Indeterminate	06/01/09	06/01/09	\$ -
ENTR	EVERTON - HARRISON-EAST 161KV CKT 1	Indeterminate	06/01/08	06/01/08	\$ -
ENTR	RUSSELLVILLE EAST - RUSSELLVILLE SOUTH 161KV CKT 1	Indeterminate	06/01/09	06/01/09	\$ -

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	\$631,721.00		
MIDW	EDWARDS - ST_JOHN 115KV	Rebuild 17.9 miles	1	6/1/2009	\$3,899,243.00		
MIDW	KINSLEY - PAWNEE-EDWARDS_JCT 115KV	Rebuild 15.7 miles	1	6/1/2009	\$3,420,007.00		
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	\$3,935,549.00		
SUNC	Spearville - Kinsley 115 kV SUNC	Build new 22.8 mile 115 kV line from Spearville to North Kinsley.	1	6/1/2009	\$ 4,235,917		
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.