



**SPP** *Southwest  
Power Pool*

*System Facilities Study  
For Transmission Service*

*Requested By  
Reliant Energy Services, Inc.*

*From ERCOTE  
To Entergy*

*For The Reserved Amount Of 465MW  
From October 1, 2001  
To January 1, 2006*

*SPP Transmission Planning  
(#SPP-2000-086)*

**Revised March 1, 2001**

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**Southwest Power Pool  
Transmission Service Request #150680  
SPP System Facilities Study SPP-2000-086**

**Executive Summary**

At the request of Reliant Energy Services, Inc., the Southwest Power Pool developed this Facility Study for the purpose of evaluating the financial characteristics of Transmission Service Request 150680. The request is for 600MW of firm transmission service from ERCOTE to Entergy from January 1, 2001 to January 1, 2006. Reservation 150680 was a competing request for the Entergy Power Marketing Corporation's Right of First Refusal of the ERCOT East DC Tie Capacity to Entergy. Entergy Power Marketing Corporation has matched RES's competing transmission request with reservation 221099 and has confirmed 135MW of the 600MW which is the amount that could be accommodated for the entire reservation period due to ATC Constraints. The remaining 465MW of transmission service from ERCOTE to Entergy requires Network Facility Upgrades to be in place. The first month that transmission service can be provided in excess of the already confirmed 135MW is October 1, 2001. This Facility Study documents the ATC and financial characteristics of the required Network Facility Upgrades to accommodate the remaining 465MW of transmission service from ERCOTE to Entergy during the period from October 1, 2001 to January 1, 2006.

The projected base revenues for the remaining 465MW of transmission service are \$13,411,530 throughout the entire reservation period based on the available transfer capability of the existing transmission system with Network Upgrades. The maximum monthly base rate revenue requirements are \$320,850. RES as the Transmission Customer is required to pay the higher of either the base revenues or the costs associated with the Network Upgrades. The estimated revenue requirements for providing the necessary Network Upgrades to accommodate the 465MW transmission service request are \$17,054,706. The monthly upgrade revenue requirements are \$334,406. As the estimated revenue requirements for Network Upgrades are higher than the estimated base rate revenues, RES shall pay the revenue requirements for Network Upgrades.

An irrevocable letter of credit is required for \$14,252,585 for the initial engineering and construction costs to be incurred by the transmission owners. In addition, this study provides no assurance of the availability of Transmission Capacity or the adequacy of existing or planned transmission facilities for Transmission Service in excess of the 465MW.

## **Introduction**

Reliant Energy Services, Inc. previously requested an Impact Study for Transmission Service from ERCOTE to EES. The completed Impact Study was applied to the EPMC transmission request due to the similarities in magnitude and time frame. Based on the results of the completed Impact Study, constraints were identified that limit the transfer capability of the existing transmission system to levels below those requested.

The principal objective of this Facility Study is to identify the costs of Network Upgrades that must be added or modified to provide the remaining 465MW of Transmission Service from ERCOTE to EES while maintaining a reliable transmission system. This study includes a good faith estimate of the Transmission Customer's assigned cost for the required Network Upgrades and the time required to complete such construction and to initiate the requested service. No Direct Assignment facilities are included in this study as none were identified to provide the requested Transmission Service.

The staff of SPP completed System Impact Study SPP-2000-086 that identified system limitations and required modifications to the SPP system necessary to provide the requested 600MW of Transmission Service from ERCOTE to Entergy. The Network Facility Upgrades required to provide the remaining 465MW of Transmission Service from ERCOTE to EES are listed in Table 1. Network Upgrades will be required on the CSWS and Empire District Electric (EDE) transmission systems. The in service dates of these Network Facility Upgrades will limit and delay the requested transmission service. The ATC values specified in Table 1 apply to the remaining 465MW.

All Network Upgrades assigned to previous transmission requests were monitored to determine whether the previously assigned upgrades are adequate to support additional transmission requests. No previously assigned facilities were identified as needing additional upgrades due to the additional impact of the requested transmission service. In addition, all previously assigned facilities identified as limiting the requested transmission service in earlier years will require an accelerated in service date. Two facilities assigned to previous transmission requests that need an accelerated in service date are listed in Table 2. The Patterson to Ashdown 115kV line identified as a limit in the 2001 Spring was previously identified as a 2001 Summer limit for a prior transmission request. The previously assigned East Centeron to Gentry 161kV line upgrade is needed for 2001 Summer. The estimated engineering and construction cost responsibility of the remaining

465MW of Transmission Service from ERCOTE to EES remains unchanged due to the earlier in service date of the two Network Facility Upgrades.

Some facilities identified in the Impact Study are not included in this Facility Study as the Transmission Owners defined them as not required due to various reasons. The CSWS Wilkes to Jefferson Switching 138kV line was already scheduled to have jumpers and a wavetrap replaced by 10/2000. The CSWS Jefferson Switching to IPC Jefferson 138kV line is scheduled to be rebuilt before the 2001 Summer. The Grand River Dam Authority's Maid to Tahlequah 161kV line and Zena Tap to Jay 69kV line were excused due an Operating Guide and Mitigation Plan. The EDE Monett to Aurora 161kV line was excused due to a Mitigation Plan. The SWPA and EES Bull Shoals to Midway 161kV line is considered as an Entergy Limit and would be reviewed when the customer obtains service on the Entergy System to complete the transmission path.

Given the estimated dates in which the Network Upgrades are required for the remaining 465MW of Transmission Service from ERCOTE to EES to be provided, there are facility limits that will delay the start date of the service. CSWS's IPC Jefferson to Lieberman 138kV transmission line has a Six (6) Month construction lead time for the initial upgrade and a Thirty (30) Month construction lead time for the second upgrade. The constraint is due to the outage of the Longwood to Wilkes 345kV line during the 2001 and 2004 summer peak periods. The available transfer capability (ATC) during the 2001 Summer peak is 0MW of the 465MW from June 1 to October 1, due to the delay in construction of the initial upgrade of the IPC Jefferson to Lieberman 138kV transmission line. The ATC during the 2002 Summer Peak is limited to 291MW of the 465MW due to the delay in construction of the Cherokee REC to Tatum 138kV transmission line. Again, the ATC is limited to 326MW of the 465MW during the 2003 Summer Peak due to the delay in construction of the second IPC Jefferson to Lieberman 138kV transmission line.

Several other constraints identified in the completed Impact Study cannot be upgraded until after the start-date of the requested Transmission Service due to lead times for engineering & construction. The ATC is not limited in the Spring Months of April 1 to June 1 for any facility engineering and construction delay. The available ATC from June 1 to October 1, 2001 is limited to less than 465MW for the delay in construction of seven facilities including the IPC Jefferson to Lieberman 138kV line mentioned above. The 2002 Summer ATC is

limited to less than 465MW for the delay in construction of three facilities, and 2003 Summer ATC is limited to 326MW by the delay in construction of the second IPC Jefferson to Lieberman 138kV line upgrade. The ATC constraints due to delays in engineering and construction of Network Facility Upgrades are shown in Table 3.

Firm Point-To-Point Transmission Service may be provided to RES for the remaining 465MW after all Facility Upgrades are in place. If a completed service agreement is received by SPP on or before April 1, 2001, then the requested service may be provided on approximately February 1, 2004 given no unexpected delays in design, permitting, and construction.

SPP does not accept and approve requests for firm transmission service without restrictions if the design criteria specified in the corresponding impact study is not met. However, SPP may accept a request if the Transmission Customer agrees to the reduction of allocated capacity to designated levels within specified time frames with no financial discounts. If RES is agreeable to these terms, then SPP will accept and approve the requested service beginning after 1) a signed service agreement and letter of credit are received by SPP, and 2) all transmission owners' receipt of authorization from SPP to proceed with the Network Upgrades.

### **Financial Analysis**

A present worth analysis is conducted based on each transmission owner's annual fixed charge rates including weighted cost of capital. Each request for Transmission Service is evaluated independently as the cost associated with each Network Upgrade is assigned to a request. For new facilities, the Transmission Customer shall pay the total cost through the reservation period including engineering and construction costs and other annual operating costs. When upgrading facilities, the Transmission Customer shall, throughout the reservation period, 1) pay the total engineering and construction 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 facilities based on their respective book values.

The amortization period of Network Upgrades and Direct Assignment facilities shall be the lesser of either 1) the reservation period, or 2) the period between the completion of construction within the reservation period

and the end of the reservation period. The annual carrying charge rate (fixed charge rates in per-unit) for each transmission owner shall be based on the sum of expenses for the previous calendar year, including weighted cost of capital, composite income tax, other tax, administrative & general, operation & maintenance, allocation of general plant, and deferred income tax credit, divided by the plant investment for the same year.

Categories of costs and credits associated with Network Upgrades and Direct Assignment facilities shall include those specified below. The costs allocated to the Transmission Customer over the reservation period shall be the sum of the levelized present worth of each of the identified cost and credit components based on each transmission owner's weighted cost of capital.

1. Amortized engineering and construction costs associated with the new facilities.
2. Annual carrying charges, excluding depreciation, based on the product of 1) total engineering and construction costs associated with the new facilities, and 2) annual carrying charge rate (per-unit).
3. Amortized existing facility credit associated with the replaced facilities including the sum of the depreciated book values of only the reusable facilities within the lesser of either 1) the respective remaining depreciation periods, or 2) the reservation period.
4. The salvage value credit of non-usable facilities.
5. Annual carrying charge credits, excluding depreciation, based on the product of 1) book values associated with all replaced facilities, and 2) annual carrying charge rate (per-unit).

The zone interfaced to the sink with the lowest rate for firm point-to-point transmission service is Southwestern Power Administration (SPA). The current base rate of SPA is \$690/MW-Month. Table 4 includes a summary of ATC values with all assigned Network Upgrades energized by the Date Available specified in Table 3. Given these values of ATC, corresponding base rate revenues are listed on a monthly basis in Table 5. The projected base revenues from the requested service are estimated to be \$13,411,530.

The estimate of total Revenue Requirements listed in Table 6 for the required Network Upgrades throughout the requested transaction period is \$17,054,706. The estimate of monthly Revenue Requirements is \$334,406 throughout the requested transaction period. The projected base revenues from the requested service over the requested transaction period are estimated to be less than the estimated Revenue Requirements for the required Network Upgrades. Therefore, the Transmission Customer will be responsible for the Revenue Requirements

for the required Network Upgrades. The estimated Revenue Requirements for the required Network Upgrades throughout the transaction period is \$17,054,706.

The Southwest Power Pool and the affected transmission owners including CSWS and EDE shall use due diligence to add necessary facilities or upgrade the Transmission System to provide the remaining 465MW of Transmission Service from ERCOTE to EES, provided RES agrees to compensate SPP for such costs pursuant to the terms of Section 27 of the SPP Open Access Transmission Tariff. Partial Interim Service is available to RES per Section 19.7 of the SPP Open Access Transmission Service Tariff.

Engineering and construction of any new facilities or modifications will not start until after a Service Agreement is in place and the affected transmission owners receive the appropriate authorization to proceed from the SPP. In accordance with section 19.4 of the SPP Open Access Transmission Service Tariff, the Transmission Customer shall provide and maintain in effect, during the term of the transmission service agreement, an unconditional and irrevocable letter of credit to the SPP in the amount of no less than \$14,252,585 for the initial engineering and construction costs to be incurred by the transmission owners. This amount does not include or offset other letters of credit or deposits as may be required under the tariff.

## **Conclusion**

Given the constraints identified in the System Impact Study SPP-2000-086, estimated engineering and construction costs in addition to lead times for construction of Network Upgrades are provided. These estimated costs are for facilities required to provide the remaining 465MW of Transmission Service from ERCOTE to EES. The lead times do not include any allowances for possible delays due to outage conflicts during construction, conflicts with construction during the summer peak, engineering and construction manpower constraints, etc. The lead times are based on engineering starting when SPP provides the transmission owners approval to start on the projects.

Based on the results of the Impact Study SPP-2000-086, Network Upgrades that were identified as required to provide the remaining 465MW of Transmission Service from ERCOTE to EES are listed in Tables 1 and 2. Table 1 includes the Network Upgrades and Costs assigned to the RES to accommodate 465MW of the 600MW Transmission Service Request 150680 from ERCOTE to Entergy. Table 2 includes previously assigned Network Facility Upgrades requiring an accelerated in service date to accommodate 465MW of the 600MW Transmission Service Request 150680 from ERCOTE to Entergy.

Throughout the transaction period of the requested Transmission Service, the estimate of the Revenue Requirements for the required Network Upgrades is \$17,054,706 for 465MW of the 600MW Transmission Service Request 150680. A listing of ATC values and monthly revenue requirements for the required Network Upgrades is in Table 6. The base revenues are estimated to be \$13,411,530 and the monthly revenue requirements are listed in Table 5. As the revenue requirements for the required Network Upgrades are higher than the Base Rate revenues, the revenue requirements from the Transmission Customer are the revenue requirements for the required Network Upgrades.

**Table 1**

**Estimated Network Upgrade Costs, Lead Times And Required Dates**

**For 465MW Of The 600MW Transmission Service Request 150680 From ERCOTE To Entergy  
During The Period From October 1, 2001 To January 1, 2006**

NETWORK SYSTEM IMPROVEMENT	ENGINEERING & CONSTRUCTION COSTS (\$ 2000 )	ENGINEERING & CONSTRUCTION LEAD TIME	REQUIRED DATE (M/D/Y)	DATE IN SERVICE (M/D/Y) (1)
Jacksonville - Pine Grove 138kV: Reset CTs By CSWS	1,000	Four (4) Months * 01AP ATC = 283, 01SR ATC = 411	4/1/01	2/1/02
IPC Jefferson - Lieberman 138kV: Replace Jumpers & Wavetrap by CSWS	10,000	Six (6) Months *01SP ATC =0	6/1/01	2/1/02
IPC Jefferson - Lieberman 138kV: Reconductor 26.35 miles To 795MCM by CSWS	6,231,585	Thirty (30) Months *01SP ATC = 0	6/1/01	2/1/04
Cherokee REC - Knox Lee 138kV: Reconductor To 1272MCM by CSWS	720,000	Twelve (12) Months * 01SP ATC = 11	6/1/01	4/1/02
Waterworks - Arsenal Hill 69kV: Replace Three Sets of Switches by CSWS	60,000	Six (6) Months * 01SP ATC = 180	6/1/01	2/1/02
Cherokee REC - Tatum 138kV: Reconductor To 1272MCM by CSWS	1,300,000	Eighteen (18) Months * 01SP ATC = 291	6/1/01	2/1/03
Rock Hill - Tatum 138kV: Reconductor 0.81 miles To 1272MCM & Replace Wavetrap by CSWS	190,000	Twelve (12) Months * 01SP ATC = 358	6/1/01	4/1/02
Tipton Ford - Monett 161kV: Reconductor To 795MCM by EDE	5,700,000	Eighteen (18) Months * 01SP ATC = 423	6/1/01	2/1/03

**Table 1 (Continued)**

**Estimated Network Upgrade Costs, Lead Times And Required Dates**

**For 465MW Of The 600MW Transmission Service Request 150680 From ERCOTE To Entergy  
During The Period From October 1, 2001 To January 1, 2006**

NETWORK SYSTEM IMPROVEMENT	ENGINEERING & CONSTRUCTION COSTS (\$ 2000 )	ENGINEERING & CONSTRUCTION LEAD TIME	REQUIRED DATE (M/D/Y)	DATE IN SERVICE (M/D/Y) (1)
Flournoy - Longwood 138kV: Replace Jumpers by CSWS	10,000	Six (6) Months	6/1/04	6/1/04
Alumax Tap - NW Texarkana 138kV: Replace Switches by CSWS	30,000	Nine (9) Months	12/1/04	12/1/04
SUBTOTAL	\$14,252,585			

Note: \* ATC Limits for remaining 465MW transfer amount.

Note: (1) For upgrades of transmission lines and substations, if the Calculated Date Available is 1) between June 1 and September 15, or 2) between September 15 and 4.5 months thereafter, then 4.5 months are added to September 15 as these facilities will not be taken out of service during the summer peaking period for upgrading. Therefore, the projected End Of Construction is February 1 of the next year.

**Table 2**  
**Estimated Network Upgrade Costs, Lead Times And Required Dates**  
**For Facilities Requiring Accelerated In Service Dates**  
**For 465MW Of The 600MW Transmission Service Request 150680**

NETWORK SYSTEM IMPROVEMENT	ENGINEERING & CONSTRUCTION COSTS (\$ 2000 )	ENGINEERING & CONSTRUCTION LEAD TIME	REQUIRED DATE (M/D/Y)	DATE IN SERVICE (M/D/Y) (1)
Patterson - Ashdown REC 115kV: Replace Switch by CSWS	\$20,000	Six (6) Months * 01SR ATC = 459	4/1/01	2/1/02
East Centerton - Gentry REC 161kV: Replace Breaker & Switches by CSWS	167,960	Twelve (12) Months * 01SP ATC = 113	6/1/01	4/1/02
SUBTOTAL	\$187,960			

Note: \* ATC Limits for remaining 465MW transfer amount.

Note: (1) For upgrades of transmission lines and substations, if the Calculated Date Available is 1) between June 1 and September 15, or 2) between September 15 and 4.5 months thereafter, then 4.5 months are added to September 15 as these facilities will not be taken out of service during the summer peaking period for upgrading. Therefore, the projected End Of Construction is February 1 of the next year.

**Table 3**  
**Network Elements That Limit Transfer Amount**  
**To Less Than 465MW Due To Delays In Engineering And Construction**

Network System Improvement	Date Available (M/D/Y)	ATC (MW)	ATC Models	Restricted Seasons/Years (M/D - M/D) (Years)
Jacksonville - Pine Grove 138kV: Reset CTs By CSWS	2/1/02	283	01AP	<u>4/1 - 5/1</u> 2001
Patterson - Ashdown REC 115kV: Replace Switch by CSWS	2/1/02	459	01SR	<u>4/1 - 6/1</u> 2001
IPC Jefferson - Lieberman 138kV: Replace Jumpers & Wavetrap by CSWS	2/1/02	0	01SP	<u>6/1 - 10/1</u> 2001
IPC Jefferson - Lieberman 138kV: Reconductor 26.35 miles To 795MCM by CSWS	2/1/04	0	01SP	<u>6/1 - 10/1</u> 2001
"		326		<u>6/1 - 10/1</u> 2002
"		326		<u>6/1 - 10/1</u> 2003
Cherokee REC - Knox Lee 138kV: Reconductor To 1272MCM by CSWS	4/1/02	11	01SP	<u>6/1 - 10/1</u> 2001
East Centerton - Gentry REC 161kV: Replace Breaker & Switches by CSWS	4/1/02	113	01SP	<u>6/1 - 10/1</u> 2001
Waterworks - Arsenal Hill 69kV: Replace Three Sets of Switches by CSWS	2/1/02	180	01SP	<u>6/1 - 10/1</u> 2001

**Table 3 (Continued)**  
**Network Elements That Limit Transfer Amount**  
**To Less Than 465MW Due To Delays In Engineering And Construction**

Network System Improvement	Date Available (M/D/Y)	ATC (MW)	ATC Models	Restricted Seasons/Years (M/D - M/D) (Years)
Cherokee REC - Tatum 138kV: Reconductor To 1272MCM by CSWS	2/1/03	291	01SP	<u>6/1 - 10/1</u> 2001
"		291		<u>6/1 - 10/1</u> 2002
Rock Hill - Tatum 138kV: Reconductor 0.81 miles To 1272MCM & Replace Wavetrap by CSWS	4/1/02	358	01SP	<u>6/1 - 10/1</u> 2001
Tipton Ford - Monett 161kV: Reconductor To 795MCM by EDE	2/1/03	423	01SP	<u>6/1 - 10/1</u> 2001
"		423		<u>6/1 - 10/1</u> 2002

Note: Date Available is based on items received by April 1, 2001 including 1) a signed service agreement and letter of credit received by SPP, and 2) authorization to proceed with engineering and construction received by Transmission Owners from SPP.

ATC Models

Example Season Designation: From Date – To Date (M/D/Y), Season Description

01AP: 4/1/01 – 6/1/01, Spring Minimum

01SR: 4/1/01 – 6/1/01, Spring Peak

01SP: 6/1/01 – 10/1/01, Summer Peak

**Table 4**  
**Summary Of Available Transfer Capability With All Network Upgrades**  
**For Transmission Service Request 150680 From ERCOTE To Entergy**  
**During The Period From October 1, 2001 To January 1, 2006**

Operating Period (Year)	Operating Period (M/D - M/D)	ATC (MW)
2001 – 2002	10/1 – 6/1	465
2002	6/1 – 10/1	291
2002 - 2003	10/1 – 6/1	465
2003	6/1 – 10/1	326
2003	10/1 – 12/31	465
2004	1/1 – 12/31	465
2005	1/1 – 12/31	465

Note: Values of ATC are based on items received by April 1, 2001 including 1) a signed service agreement and letter of credit received by SPP, and 2) authorization to proceed with engineering and construction received by Transmission Owners from SPP.

**Table 5**  
**Summary Of Available Transfer Capability With All Network Upgrades**  
**And Base Rate Revenues Excluding Cost Of Network Upgrades**  
**For Transmission Service Request 150680 From ERCOTE To Entergy**  
**During The Period From October 1, 2001 To January 1, 2006**

Operating Period (Month)	2001 ATC (MW)	2001 Base Revenues (\$)	2002 ATC (MW)	2002 Base Revenues (\$)	2003 ATC (MW)	2003 Base Revenues (\$)	2004 ATC (MW)	2004 Base Revenues (\$)	2005 ATC (MW)	2005 Base Revenues (\$)
January	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
February	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
March	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
April	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
May	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
June	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
July	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
August	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
September	N/A	N/A	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
October	291	\$200,790	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
November	291	\$200,790	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
December	291	\$200,790	291	\$200,790	326	\$224,940	465	\$320,850	465	\$320,850
Subtotal		\$602,370		\$2,409,480		\$2,699,280		\$3,850,200		\$3,850,200
Total, All Years										\$13,411,530

Note: Values of ATC are based on items received by April 1, 2001 including 1) a signed service agreement and letter of credit received by SPP, and 2) authorization to proceed with engineering and construction received by Transmission Owners from SPP. SPP annual ATC is determined by the greatest amount of ATC available on a calendar year basis.

**Table 6**  
**Summary Of Available Transfer Capability With All Network Upgrades**  
**And The Network Upgrade Revenue Requirements**  
**For Transmission Service Request 150680 From ERCOTE To Entergy**  
**During The Period From October 1, 2001 To January 1, 2006**

Operating Period (Month)	2001 ATC (MW)	2001 Network Upgrade Revenues (\$)	2002 ATC (MW)	2002 Network Upgrade Revenues (\$)	2003 ATC (MW)	2003 Network Upgrade Revenues (\$)	2004 ATC (MW)	2004 Network Upgrade Revenues (\$)	2005 ATC (MW)	2005 Network Upgrade Revenues (\$)
January	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
February	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
March	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
April	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
May	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
June	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
July	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
August	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
September	N/A	N/A	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
October	291	\$334,406	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
November	291	\$334,406	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
December	291	\$334,406	291	\$334,406	326	\$334,406	465	\$334,406	465	\$334,406
Subtotal		\$1,003,218		\$4,012,872		\$4,012,872		\$4,012,872		\$4,012,872
Total, All Years										\$17,054,706

Note: Values of ATC are based on items received by April 1, 2001 including 1) a signed service agreement and letter of credit received by SPP, and 2) authorization to proceed with engineering and construction received by Transmission Owners from SPP. SPP annual ATC is determined by the greatest amount of ATC available on a calendar year basis.