



# **SPP** *Southwest Power Pool*

***System Impact Study SPP-2001-326  
For Transmission Service***

***Requested By  
Cargill-Alliant, LLC***

***From Grand River Dam Authority To  
Ameren***

***For a Reserved Amount Of 100MW  
From 11/1/01  
To 3/1/02***

***SPP Transmission Planning***

## **Summary**

Cargill-Alliant, LLC has requested a system impact study for Monthly Firm Point-to-Point transmission service from GRDA to AMRN. The period of the transaction is from 11/1/01 to 3/1/02. The request is for OASIS reservations 302099 and 302100 for a total of 100MW.

This study was performed to identify the constraints on the SPP Regional Tariff System that result in zero capacity available for the 100MW request.

The SPP to AMRN interface is firm contract path limited to 1,287MW. Currently, SPP has reserved long-term firm transmission service equal to the firm contract capacity limit of 1,287MW during the requested transmission service period. The transmission upgrades or additions required to increase the firm contract path capacity between SPP and AMRN was not determined in this study.

## **Results**

Summation of confirmed long-term firm transmission service from November 2001 through June 2002 with POD of AMRN is shown in Table 1. Available SPP to Ameren interface capacity is presented in Table 2. The contract path limit of 1,287MW has been met for the months of January through June 2002.

Flowgate analysis identifies the Bartlesville SE to N Bartlesville, NES to Delaware flowgate as the limiting constraint for this 100MW transfer for November 2001. The ATC is zero due to the impact on this flowgate. There are no flowgates limiting this transfer for the month of December 2002.

**Table 1** – SPP Confirmed Long-term Reservations with POD of AMRN for 11/1/01-7/1/02

Study	Request	Status	From	To	POR	POD	Amnt	Customer	Nov-01	Dec-01	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01
	171	CONFIRMED	5/1/1983	1/1/2014	KACY	AMRN	20	KCPL	20	20	20	20	20	20	20	20
	119224	CONFIRMED	6/1/1999	6/1/2020	SPA	AMRN	11	SPA	11	11	11	11	11	11	11	11
	109080	CONFIRMED	6/1/1999	6/1/2011	SPA	AMRN	125	SPA	125	125	125	125	125	125	125	125
	109431	CONFIRMED	4/1/1999	4/1/2004	KCPL	AMRN	200	KCPS	200	200	200	200	200	200	200	200
1999-010	234943	CONFIRMED	1/1/2002	1/1/2012	SPS	AMRN	50	SPSM			50	50	50	50	50	50
1999-010	234945	CONFIRMED	1/1/2002	1/1/2012	SPS	AMRN	50	SPSM			50	50	50	50	50	50
1999-010	297069	CONFIRMED	1/1/2002	1/1/2012	SPS	AMRN	50	SPSM			50	50	50	50	50	50
1999-010	297076	CONFIRMED	1/1/2002	1/1/2012	SPS	AMRN	50	SPSM			50	50	50	50	50	50
1999-016	133602	CONFIRMED	1/1/2002	1/1/2005	SPS	AMRN	50	SPSM			50	50	50	50	50	50
1999-016	133608	CONFIRMED	1/1/2002	1/1/2005	SPS	AMRN	50	SPSM			50	50	50	50	50	50
	296672	CONFIRMED	1/1/2002	1/1/2003	CSWS	AMRN	400	EXGN			400	400	400	400	400	400
	220619	CONFIRMED	1/1/2001	1/1/2002	WR	AMRN	50	WRGS	50	50						
	220620	CONFIRMED	1/1/2001	1/1/2002	WR	AMRN	50	WRGS	50	50						
2000-010	168969	CONFIRMED	1/1/2001	1/1/2002	WR	AMRN	50	WRGS	50	50						
2000-010	168970	CONFIRMED	1/1/2001	1/1/2002	WR	AMRN	50	WRGS	50	50						
	185958	CONFIRMED	9/1/2000	6/1/2002	SPA	AMRN	2	SPA	2	2	2	2	2	2	2	
	310450	CONFIRMED	10/27/2001	1/1/2002	WR	AMRN	50	WRGS	50	50						
<b>Total Confirmed</b>									608	608	1058	1058	1058	1058	1058	1056

**Table 2** – Summation of Long-term Reservations with POD of AMRN for 11/1/01-7/1/02 and available interface capacity

Reservation Status	Nov-01	Dec-01	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01
Confirmed	608	608	1058	1058	1058	1058	1058	1056
Possible Renewal	250	250	229	229	229	229	229	231
	<b>1287</b>	<b>1287</b>	<b>1287</b>	<b>1287</b>	<b>1287</b>	<b>1287</b>	<b>1287</b>	<b>1287</b>
	429	429	0	0	0	0	0	0
<b>Contract Path Limit</b>								
<b>Total Available as of 11/1/2001</b>								

## **Conclusion**

Due to the flowgate constraint for November 2001 and no existing ATC on the SPP to Ameren interface for the months of January and February 2002, the requested reservations for monthly service from GRDA to AMRN will be partially accepted for the month of December 2001.