



# **SPP** *Southwest Power Pool*

***System Impact Study SPP-2001-349  
For Transmission Service  
Requested By  
Cargill-Alliant, LLC***

***From ERCOTE to GRDA***

***For a Reserved Amount Of 150MW  
From 1/1/02  
To 4/1/02***

***SPP Transmission Planning***

## **Summary**

Cargill-Alliant has requested a system impact study for Monthly Firm transmission service from ERCOTE to GRDA. The period of the transaction is from 1/1/02 to 4/1/02. The request is for reservations 309555, 309556, and 309557 for the amount of 150MW.

This study was performed to identify the constraints on the SPP Regional Tariff System that result in zero capacity available for the 150MW request. For this study, the limiting element is the DC Tie. Due to errors in the initial ATC analysis, this transfer had a positive impact on flowgates EastDC\_So\_No and NwtPatLydVal. After further analysis, the errors were corrected, and the impact on these flowgates was relieved, allowing 42MW of ATC for the 150MW request.

The ATC for ERCOTE imports is 558MW until October 2002 when it reaches 600MW.

## **Results**

The transfer limit over the East DC Tie is equal to 600MW. SPP has sold yearly firm point-to-point transmission service for 558MW of the 600MW allowed for exporting out of ERCOTE until 10/1/02. At that point in time, all of the 600MW capacity will be confirmed yearly firm point-to-point transmission service.

## **Conclusion**

According to Table 1, 42MW of ATC can be allotted to this study. Due to the inability to upgrade the DC Tie in the time frame required to accommodate these reservations, request 309555 will be partially accepted for 42MW of service. Requests 309556 and 309557 must be refused due to no ATC on the DC Tie.

Oasis #	Queued	Customer	Service	POR	POD	Status	Start Time	Stop Time	Amount	1/2/02	2/2/02	3/2/02	4/1-9/1/02	10/1/02	2003	2004
310037	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/02	1/1/03	3					3		
310035	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/02	1/1/04	39					39	39	
310033	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/03	32	32	32	32	32	32		
310032	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/04	50	50	50	50	50	50	50	
310030	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/04	50	50	50	50	50	50	50	
272161	6/28/01	DETM	YEARLY	ERCOTE	EES	CONFIRMED	7/1/01	1/1/06	135	135	135	135	135	135	135	135
260874	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/06	50	50	50	50	50	50	50	50
260873	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/06	50	50	50	50	50	50	50	50
260872	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/03	41	41	41	41	41	41		
260862	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	1/1/04	1/1/06	15							15
260860	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	1/1/04	1/1/06	50							50
260859	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	1/1/04	1/1/06	50							50
260858	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	1/1/04	1/1/06	50							50
260857	5/31/01	RES	YEARLY	ERCOTE	EES	CONFIRMED	1/1/03	1/1/04	26						26	
260694	5/30/01	TNSK	YEARLY	ERCOTE	EES	CONFIRMED	1/1/03	1/1/06	50						50	50
260693	5/30/01	TNSK	YEARLY	ERCOTE	EES	CONFIRMED	1/1/02	1/1/06	50	50	50	50	50	50	50	50
260692	5/30/01	TNSK	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/06	50	50	50	50	50	50	50	50
260690	5/30/01	TNSK	YEARLY	ERCOTE	EES	CONFIRMED	10/1/01	1/1/06	50	50	50	50	50	50	50	50
									<b>Total MW</b>	<b>558</b>	<b>558</b>	<b>558</b>	<b>558</b>	<b>600</b>	<b>600</b>	<b>600</b>
									<b>Available ATC</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Study</b>																
300964	9/20/01	CRGL	YEARLY	ERCOTE	KCPL	STUDY	1/1/03	1/1/04	50						50 (R)	
300963	9/20/01	CRGL	YEARLY	ERCOTE	KCPL	STUDY	1/1/03	1/1/04	50						50 (R)	
300962	9/20/01	CRGL	YEARLY	ERCOTE	KCPL	STUDY	1/1/03	1/1/04	50						50 (R)	
309557	10/23/01	CRGL	MONTHLY FIRM	ERCOTE	GRDA	STUDY	1/1/02	4/1/02	50	(42)	(42)	(42)				
309556	10/23/01	CRGL	MONTHLY FIRM	ERCOTE	GRDA	STUDY	1/1/02	4/1/02	50	50 (R)	50 (R)	50 (R)				
309555	10/23/01	CRGL	MONTHLY FIRM	ERCOTE	GRDA	STUDY	1/1/02	4/1/02	50	50 (R)	50 (R)	50 (R)				

Table 1: Assigned Upgrades for IPC Jefferson to Lieberman, 138kV Circuit