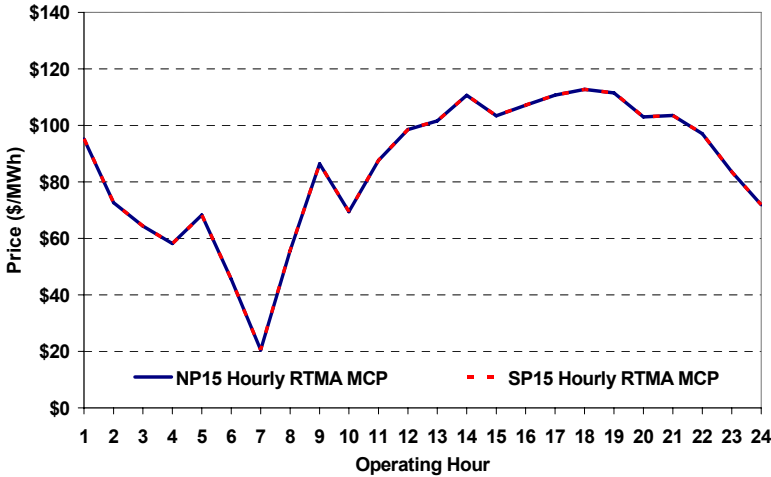
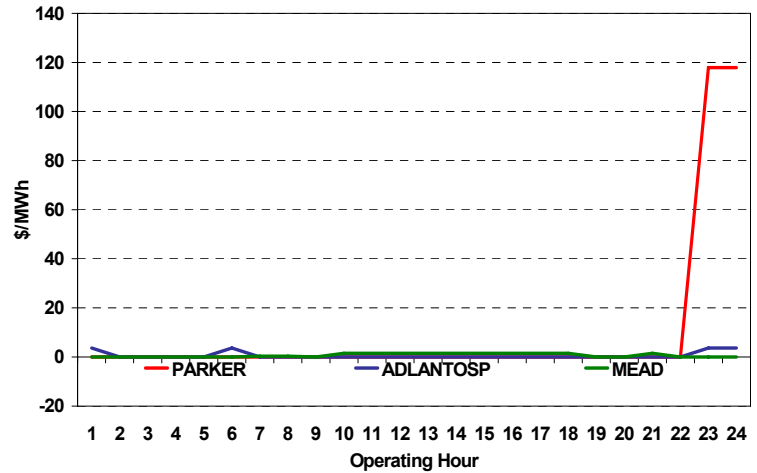


### Real-Time Hourly Average MCP



### Selected Day Ahead Branch Group Congestion Prices

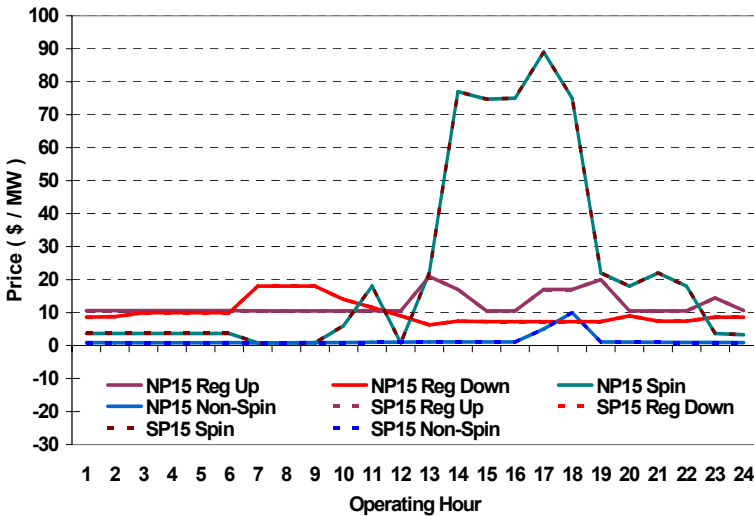


	NP15				SP15			
	Min	Max	Avg	Δ Avg.	Min	Max	Avg	Δ Avg.
<b>Peak</b>	\$ (8.00)	\$ 142.22	\$ 93.81	\$ (3.78)	\$ (8.00)	\$ 142.22	\$ 93.81	\$ (3.78)
<b>Off-Peak</b>	\$ (0.01)	\$ 145.00	\$ 70.69	\$ (8.47)	\$ (0.01)	\$ 145.00	\$ 70.69	\$ (8.47)

### Day-Ahead Inter-Zonal Congestion Market: 16-Jul, 2008

Branch Group	Congestion Cost		Total	Total Cost Percent
	Import	Export		
PARKER	\$ 30,653	\$ -	\$ 30,653	53%
ADLANTOSP	\$ 15,126	\$ -	\$ 15,126	26%
MEAD	\$ 10,551	\$ -	\$ 10,551	18%

### Day Ahead A/S Market Clearing Prices



### Intrazonal Congestion: Out-of-Sequence Redispatch Costs

	Inc MWh	Inc Redispatch Costs	Dec MWh	Dec Redispatch Costs
<b>Peak</b>	1,588	55,529	-139	14,007
<b>Off-Peak</b>	68	17,832	-282	4,626
<b>Total</b>	1,656	\$ 73,361	-421	\$ 18,633

### Reliability: Must-Offer Unit Commitments

Commitment Type	Avg Hrlly P-Min MW	Daily Min-Load Cost
FERCMO0	0	\$0
RA	133	\$263,279
<b>Totals</b>	133	\$263,279

### Loads:

Peak Load	40,686 MW	Average Load	33226 MW
Time of peak	16:21	Δ Peak from Prev. Day	491 MW

Day Ahead (DA) Market Summary: Ancillary Services (A/S) Capacity	Peak				Off-Peak			
	Min	Max	Avg.	Δ Avg.	Min	Max	Avg.	Δ Avg.
Regulation Up Price (\$/MW)	10.50	20.97	12.97	-22.03	10.63	14.47	11.11	-0.12
Regulation Down Price (\$/MW)	6.29	18.00	10.15	-1.40	8.59	9.97	9.31	-0.87
Spinning Reserve Price (\$/MW)	0.81	89.00	32.50	-25.75	3.30	3.65	3.61	0.36
Non-Spinning Reserve Price (\$/MW)	0.82	10.00	1.81	-8.31	0.83	0.93	0.87	0.03
Regulation Up Bid Sufficiency Ratio*	182%	440%	301%	42%	262%	365%	343%	65%
Regulation Down Bid Sufficiency Ratio*	198%	518%	350%	56%	211%	293%	241%	23%
Spinning Reserve Bid Sufficiency Ratio*	94%	199%	130%	-1%	124%	184%	168%	-11%
Non-Spinning Reserve Bid Sufficiency Ratio*	99%	252%	157%	-9%	173%	231%	213%	-10%
<b>Total Cost of DA A/S (\$)</b>			<b>834,841</b>	<b>-732,175</b>				

\* The Bid Sufficiency Ratio for a given market in a given hour is defined as the sum of capacity offers in MWs divided by the capacity requirement in MWs.