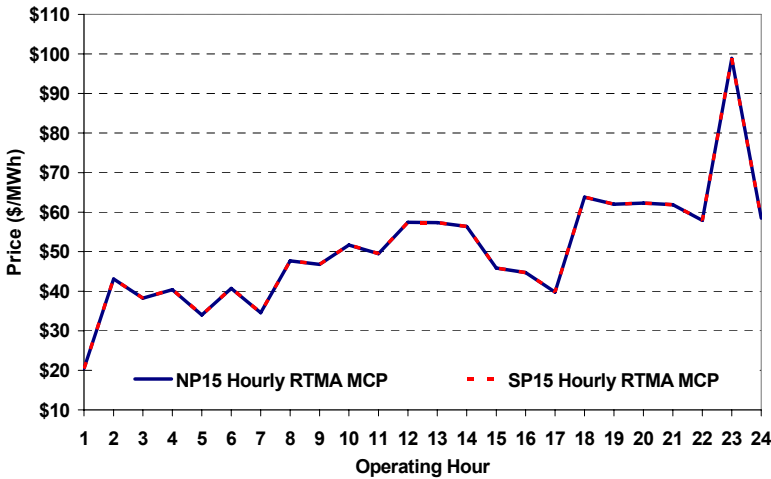
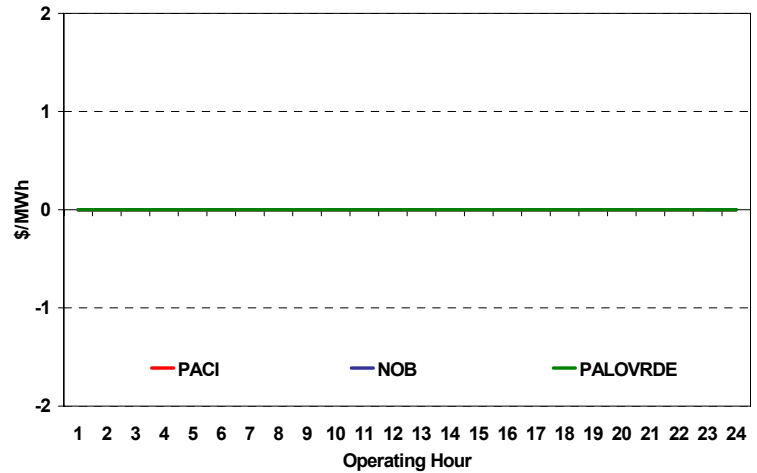


### Real-Time Hourly Average MCP



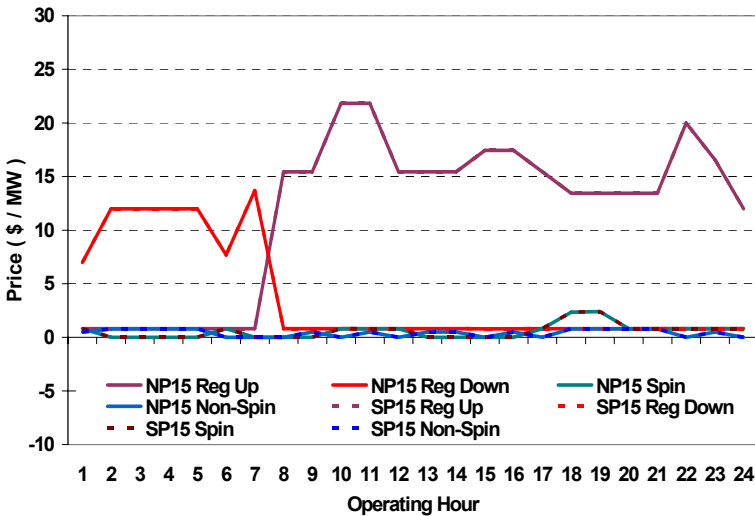
### Selected Day Ahead Branch Group Congestion Prices



	NP15				SP15			
	Min	Max	Avg	Δ Avg.	Min	Max	Avg	Δ Avg.
<b>Peak</b>	\$ (30.00)	\$ 79.87	\$ 53.43	\$ 11.63	\$ (30.00)	\$ 79.87	\$ 53.43	\$ 11.63
<b>Off-Peak</b>	\$ 9.04	\$ 268.79	\$ 46.08	\$ 7.16	\$ 9.04	\$ 268.79	\$ 46.08	\$ 7.16

Branch Group	Congestion Cost		Total	Total Cost Percent
	Import	Export		
PALOVRDE	\$ -	\$ -	\$ -	0%
NOB	\$ -	\$ -	\$ -	0%
PACI	\$ -	\$ -	\$ -	0%

### Day Ahead A/S Market Clearing Prices



	Inc MWh	Inc Redispatch Costs	Dec MWh	Dec Redispatch Costs
<b>Peak</b>	372	62,620	-744	6,720
<b>Off-Peak</b>	98	18,024	-513	2,195
<b>Total</b>	470	\$ 80,645	-1,258	\$ 8,915

Commitment Type	Avg Hrlly P-Min MW	Daily Min-Load Cost
FERCMOO	0	\$0
RA	113	\$139,881
<b>Totals</b>	113	\$139,881

Peak Load	32,019 MW	Average Load	25983 MW
Time of peak	18:24	Δ Peak from Prev. Day	5,334 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)	0.81	21.82	15.36	0.87	0.81	16.57	4.18	-5.97
Regulation Down Price (\$/MW)	0.80	13.69	1.61	-3.56	0.81	12.00	8.04	1.93
Spinning Reserve Price (\$/MW)	0.00	2.40	0.65	-0.35	0.00	0.81	0.41	-0.41
Non-Spinning Reserve Price (\$/MW)	0.00	0.80	0.36	-0.15	0.00	0.80	0.53	0.10
Regulation Up Bid Sufficiency Ratio*	140%	304%	229%	-20%	207%	359%	320%	24%
Regulation Down Bid Sufficiency Ratio*	211%	319%	268%	40%	159%	299%	195%	1%
Spinning Reserve Bid Sufficiency Ratio*	105%	220%	169%	-8%	140%	234%	209%	0%
Non-Spinning Reserve Bid Sufficiency Ratio*	141%	299%	232%	-16%	170%	298%	272%	-13%
<b>Total Cost of DA A/S (\$)</b>			<b>148,019</b>	<b>-31,372</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.