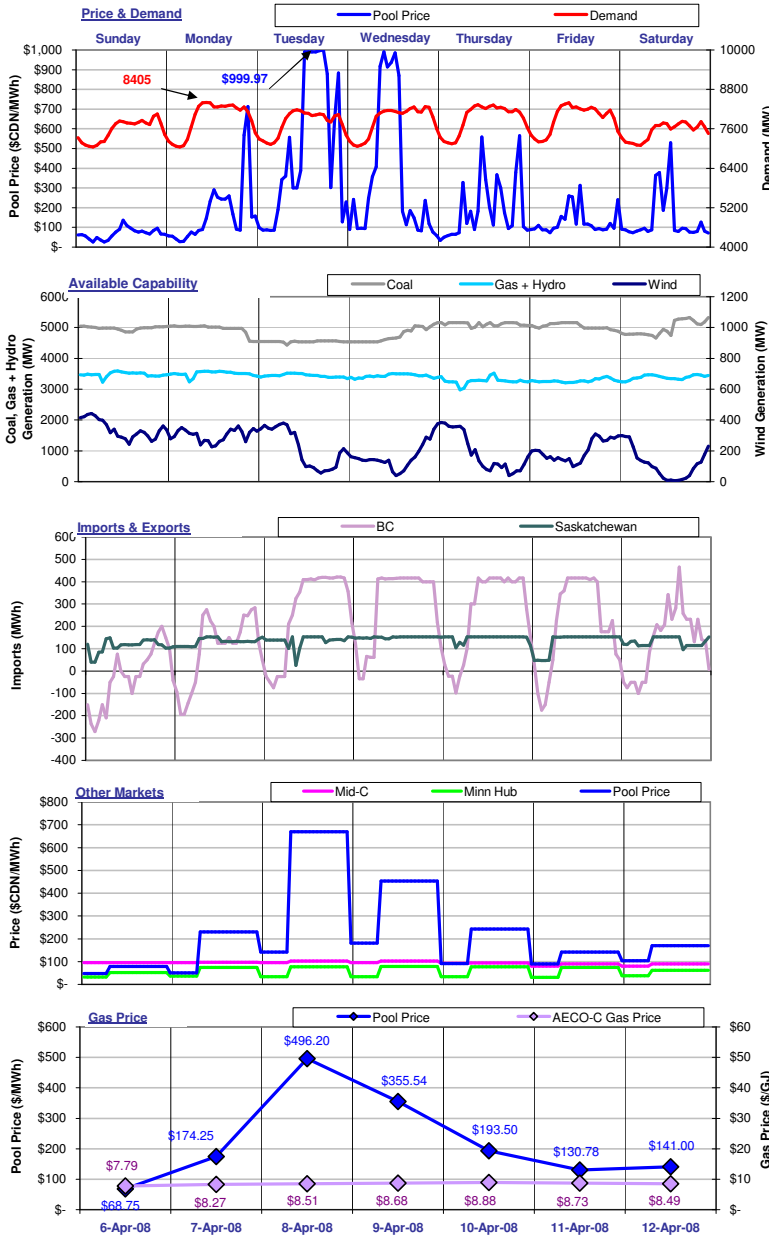


# The Market Monitor

WATCHING THE MARKET : your fact source

Week Ending April 12, 2008

## Weekly Highlights



For the week ending April 12, 2008, **Pool Price** averaged \$222.86/MWh and ranged from a minimum of \$25.81/MWh in HE08 on Sunday to a maximum of \$999.97/MWh in HE18 on Tuesday. **Demand** reached a high of 8405 MW in HE11 on Monday and a low of 7050 MW in HE04 on Monday. Average demand for the week was 7778 MW. **Pool Price** and **Demand** were positively correlated last week with an R-squared value of 0.14.

**Coal Unit Availability** averaged 4908 MW last week. This is an equivalent availability of 82%. **Gas, Hydro and Other Unit Availability** averaged 3397 MW last week, which is an equivalent of 70%. **Wind Generation** averaged 218 MW last week. This is an equivalent availability of 44%. Availability numbers are based on MW offered into the energy merit order.

Alberta was a net importer from BC last week with total imports equal to 30,071 MWh. Alberta was a net importer from Saskatchewan last week with total imports equal to 22,551 MWh. Overall, Alberta imported 52,622 MWh of electricity last week.

**Pool Prices** were generally higher than prices in Mid-C and higher than prices in Minn Hub last week. **Mid-C** prices averaged \$95.92/MWh on-peak and \$90.45/MWh off-peak. **Minn Hub** prices averaged \$73.95/MWh on-peak and \$33.73/MWh off-peak.

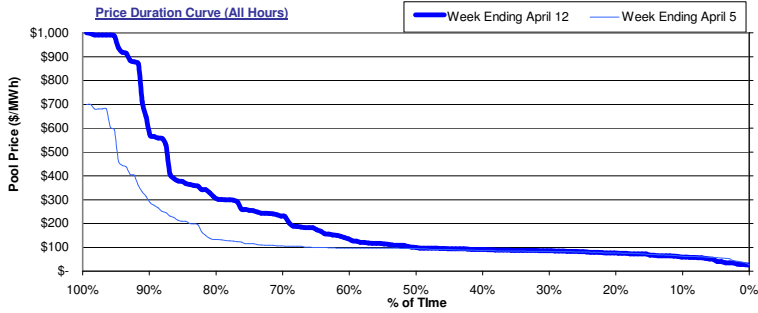
Prices in \$/MWh at an exchange rate of 1.00901.

The average **AECO-C Gas Price** last week was \$8.48/GJ and ranged from a minimum of \$7.79/GJ to \$8.88/GJ. Prevailing gas prices resulted in market heat rates ranging from a low of 8.83 GJ/MWh to a high of 58.32 GJ/MWh. The average market heat rate for the week was 26.08 GJ/MWh.

# Wholesale Market

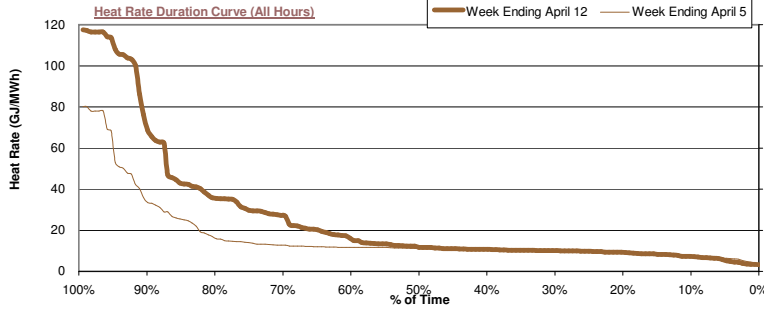
## Weekly Market Statistics

	Sunday 6-Apr	Monday 7-Apr	Tuesday 8-Apr	Wednesday 9-Apr	Thursday 10-Apr	Friday 11-Apr	Saturday 12-Apr	Average	Last Week	% Change	YTD
<b>Pool Price</b>											
Average	\$ 68.75	\$ 174.25	\$ 496.20	\$ 355.54	\$ 193.50	\$ 130.78	\$ 141.00	\$ 222.86	\$ 141.24	57.8%	\$ 90.46
On-Peak	NA	\$ 230.18	\$ 668.96	\$ 453.41	\$ 242.60	\$ 141.44	\$ 169.85	\$ 317.74	\$ 171.42	85.4%	\$ 111.79
Off-Peak	\$ 68.75	\$ 62.38	\$ 150.69	\$ 159.79	\$ 95.28	\$ 109.46	\$ 83.31	\$ 96.35	\$ 100.99	-4.6%	\$ 58.24
COV	0.39	0.96	0.74	0.99	0.81	0.50	0.87	0.75	0.69	9.0%	
<b>Heat Rate</b>											
Average	8.83	21.06	58.32	40.95	21.78	14.99	16.61	26.08	16.86	54.6%	11.81
On-Peak	NA	27.82	78.62	52.23	27.31	16.21	20.01	37.03	20.67	79.1%	14.59
Off-Peak	8.83	7.54	17.71	18.41	10.73	12.54	9.82	11.47	11.78	-2.7%	7.60
<b>Demand</b>											
Average	7,558	7,913	7,770	7,848	7,917	7,919	7,523	7,778	7,908	-1.6%	8,244
Minimum	7,053	7,050	7,131	7,066	7,145	7,207	7,096	7,107	7,228	-1.7%	7,050
Maximum	8,056	8,405	8,176	8,275	8,339	8,390	7,824	8,209	8,336	-1.5%	9,710
<b>Coal Unit Availability</b>											
Average	4,979	4,951	4,543	4,754	5,111	5,042	4,976	4,908	4,656		5,322
AC/MC	83%	82%	76%	79%	85%	84%	83%	82%	78%	4.2%	89%
<b>Gas, Hydro and Other Unit Availability</b>											
Average	3,480	3,504	3,441	3,432	3,263	3,275	3,385	3,397	3,525		3,693
AC/MC	72%	72%	71%	71%	67%	67%	70%	70%	72%	-2.6%	76%



The price duration curves show the % of time that prices were at or below a certain value during the week. For the week ending April 12, prices were at or below:

- \$20/MWh 0% of the time
- \$50/MWh 5% of the time
- \$100/MWh 50% of the time
- \$250/MWh 74% of the time
- \$500/MWh 87% of the time



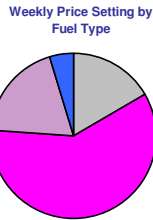
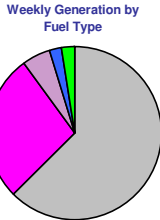
The heat rate duration curves show the % of time that the implied market heat rate was at or below a certain value during the week. For the week ending April 12 implied market heat rates were at or below:

- 5.0 GJ/MWh 5% of the time
- 10.0 GJ/MWh 29% of the time
- 15.0 GJ/MWh 60% of the time
- 20.0 GJ/MWh 65% of the time

### Market Share Statistics

By Fuel Type:

Legend: Coal (Grey), Gas - Cogen (Pink), Gas - Other (Light Blue), Hydro (Dark Blue), Other (Green)

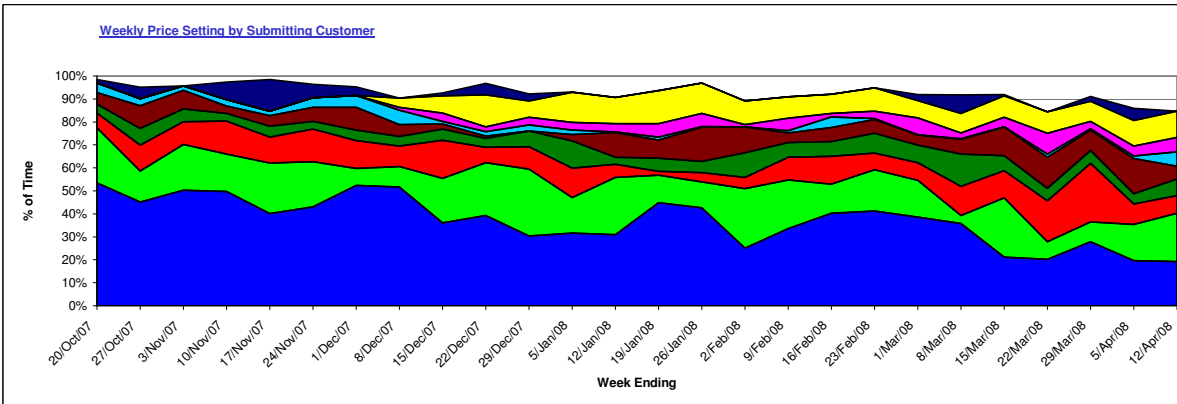


By Submitting Customer:

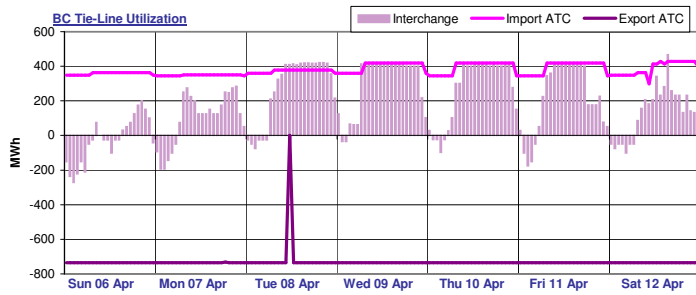


Last week, coal units were responsible for 62.5% of the generation in the province and set price 16.6% of the time. Gas-cogen units accounted for 27.7% of the generation and set price 59.0% of the time last week while other gas units made up 5.1% of generation and set price 18.9% of the time.

A total of 12 market participants set price last week. One market participants set price more than 20% of the time last week. The top price setter set price 20.9% of the time and the top five price setters set price a total of 69.2% of the time.

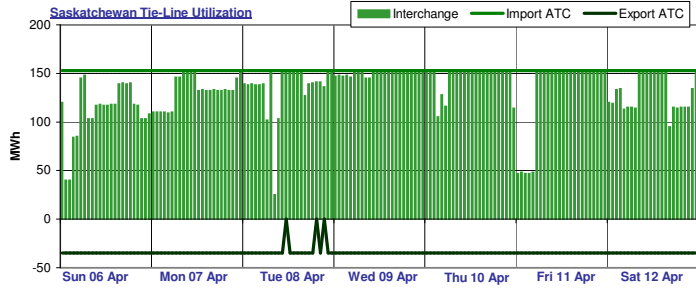


# Interties

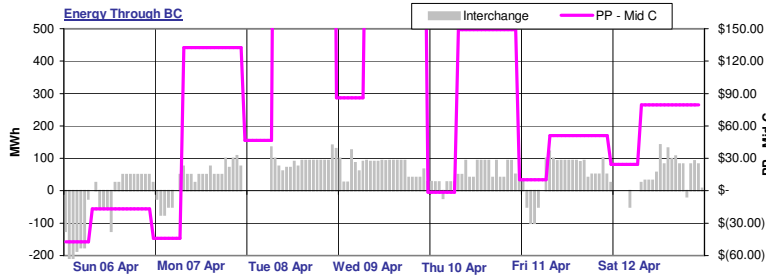


BC import capacity was 53% utilized last week while BC export capacity was 4% utilized. Energy was being imported into Alberta over the BC tie-line 74% of the time and exported out of Alberta over the BC tie-line 26% of the time last week. There was no activity on the BC tie-line 1% of the time last week.

Note: External reserve contract volumes have been subtracted from the BC import ATC as this capacity is not available to import energy into Alberta.



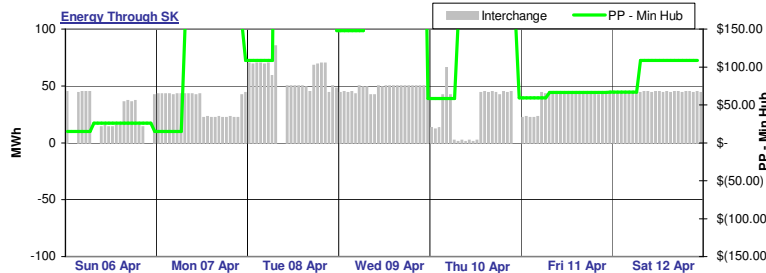
Saskatchewan import capacity was 88% utilized last week while Saskatchewan export capacity was 0% utilized. Energy was being imported into Alberta over the Saskatchewan tie-line 100% of the time and exported out of Alberta over the Saskatchewan tie-line 0% of the time last week. There was no activity on the Saskatchewan tie-line 0% of the time last week.



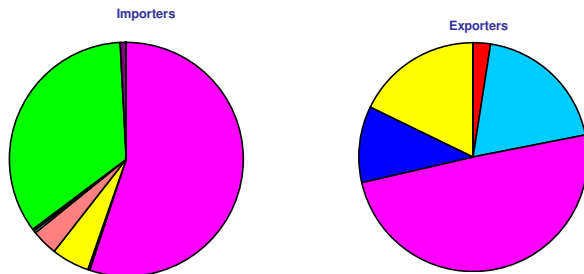
Last week, Alberta spot prices were mostly higher relative to prices in the Pacific Northwest as represented by Mid-C index prices, supporting import activity across the Alberta - BC interconnection.

Alberta prices were generally higher than prices in MAPP as represented by spot prices at the Minnesota Hub, which generally supports import activity across the Alberta - Saskatchewan interconnection.

Note: Platt's day-ahead strip prices used in energy through BC and SK graphs.



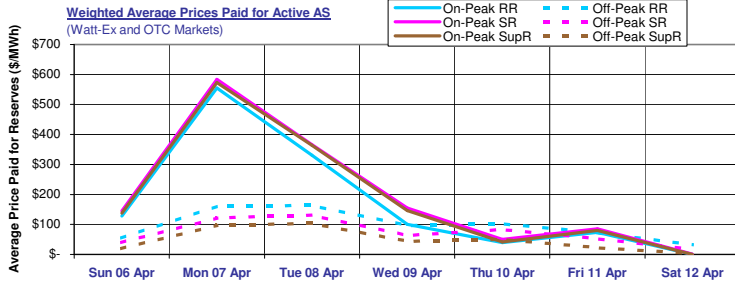
## Tie-Line Market Shares



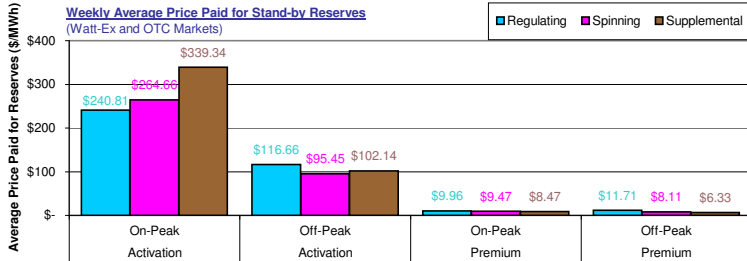
Last week, there were a total of 10 importers. The most active importer had a market share of 54.9% while the second most active importer had a market share of 34.6%. There were a total of 5 exporters last week. The most active exporter had a market share of 49.4% while the next largest exporter had a market share of 19.5%.

Note: Market shares are based on the combined activity on both interties.

# Ancillary Services Market

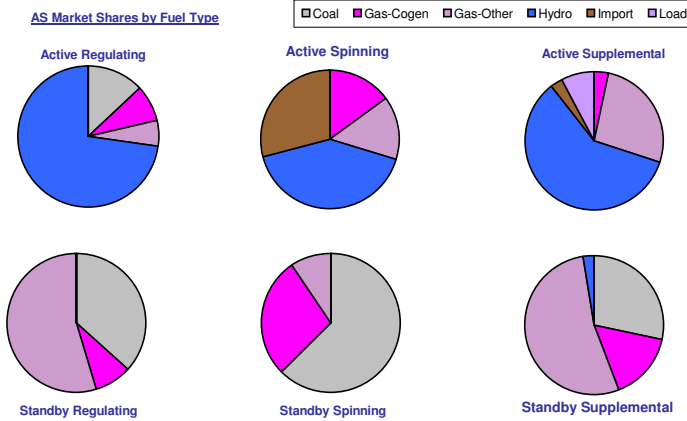


Average on-peak prices paid for active ancillary services last week were **\$173.17/MWh**, **\$205.77/MWh** and **\$196.65/MWh** respectively for active **regulating**, **spinning** and **supplemental** reserves.  
Active average off-peak prices were **lower** and averaged **\$98.59/MWh**, **\$73.98/MWh** and **\$49.34/MWh** for active **regulating**, **spinning** and **supplemental** reserves respectively.



Weekly average activation prices for stand-by reserves ranged from **\$95.45/MWh** for **off-peak spinning** reserves to **\$339.34/MWh** for **on-peak supplemental** reserves.  
Weekly average premium prices ranged from **\$6.33/MWh** for **off-peak supplemental** reserves up to **\$11.71/MWh** for **off-peak regulating** reserves.

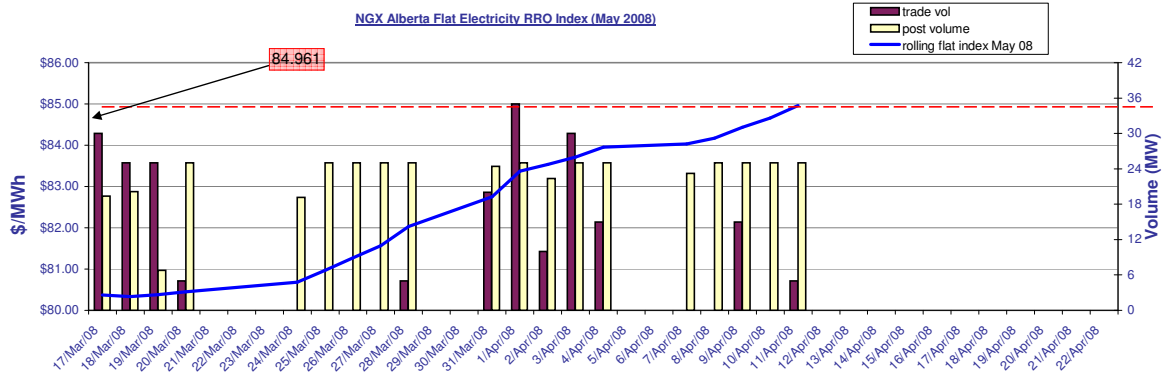
## AS Market Shares by Fuel Type



Last week **hydro** units had the largest market share in the **active regulating** reserve market with **72.9%**. In the **active spinning** reserve market, **hydro** units had the leading market share with **41%** while in the **active supplemental** reserve market, **hydro** units dominated with a **59.6%** market share.

**Gas** units dominated the **standby regulating** reserve market with a **54.6%** market share. Leading market share in the **standby spinning** market was held by **coal** units with a **62.4%** market share. In the **standby supplemental** reserve market, **gas** units had the leading market share with **53.4%**.

# RRO Procurement



# Glossary

- On-Peak Hours**  
In Alberta: HE08 through HE23, Monday through Saturday (prevailing Mountain time)  
In Mid-C: HE07 through HE22, Monday through Saturday (prevailing Pacific time)  
In Minn Hub: HE08 through HE23, Monday through Sunday (prevailing Central time)
- Off-Peak Hours**  
In Alberta: HE01 through HE07 + HE24 (of the same day), Monday through Saturday + HE01 through HE24 Sundays + holidays (prevailing Mountain time)  
In Mid-C: HE24 (of the previous day) through HE07 (of the day in question), Monday through Saturday + HE01 through HE24 Sundays + holidays (prevailing Pacific time)  
In Minn Hub: HE24 (of the previous day) through HE07 (of the day in question), Monday through Sunday (prevailing Central time)
- ATC**  
A measure of the maximum energy flow possible in one direction across an intertie.
- Market Heat Rate**  
The prevailing Pool price divided by the prevailing gas price.
- Sparks spread**  
Sparks spreads give an indication of the revenue available to cover costs after fuel costs have been paid. A positive spread indicates it is more economical to buy gas and generate electricity while a negative spread indicates it is more economical to buy electricity from the grid.