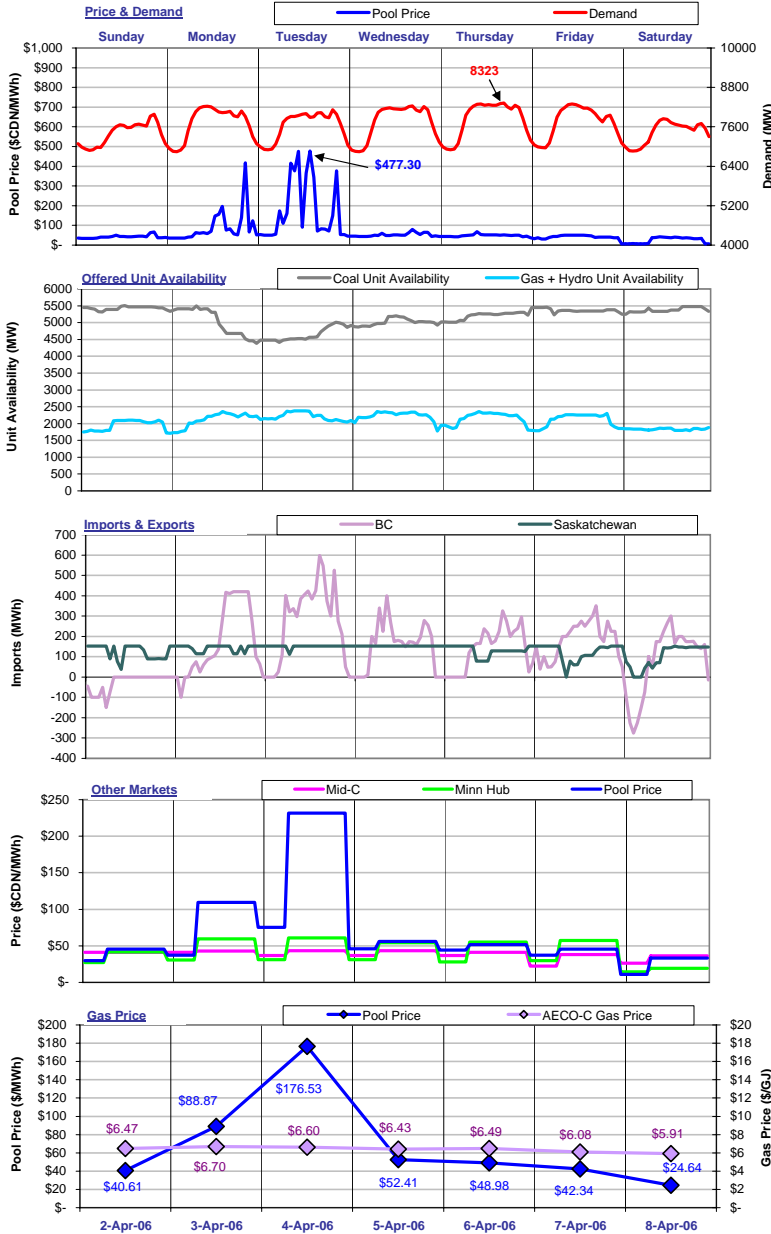


The Market Monitor

WATCHING THE MARKET : your fact source

Week Ending April 8, 2006

Weekly Highlights



For the week ending April 8, 2006, **Pool Price** averaged \$68.17/MWh and ranged from a minimum of \$6.67/MWh in HE02 on Sunday to a maximum of \$477.30/MWh in HE15 on Tuesday. **Demand** reached a high of 8323 MW in HE18 on Thursday and a low of 6840 MW in HE02 on Sunday. Average demand for the week was 7646 MW. **Pool Price** and **Demand** were positively correlated last week with an R-squared value of 0.07.

Coal Unit Availability averaged 5150 MW last week. This is an equivalent availability of 88% (based on MCR). **Gas and Hydro Unit Availability** averaged 2087 MW last week, which is an equivalent of 37% (based on MCR).

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 23,313 MWh. Alberta was a net importer from Saskatchewan last week with total imports equal to 22,164 MWh. Overall, Alberta imported 45,477 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 \$40.81/MWh on-peak and \$34.54/MWh off-peak. **Minn Hub** prices averaged \$51.03/MWh on-peak and \$27.51/MWh off-peak.

Prices in \$CDN at an exchange rate of 1.16905.

The average **AECO-C Gas Price** last week was \$6.38/GJ and ranged from a minimum of \$5.91/GJ to \$6.70/GJ. Prevailing gas prices resulted in market heat rates ranging from a low of 4.17 GJ/MWh to a high of 26.73 GJ/MWh. The average market heat rate for the week was 10.44 GJ/MWh.

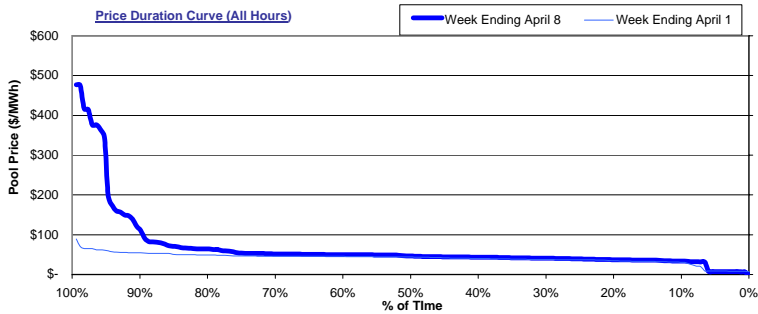


Alberta's Market Surveillance Administrator is in place to monitor the fair, efficient and openly competitive operation of all electricity markets within the province. The Market Monitor is a weekly publication by the MSA intended to educate industry participants and the public on market activities for the [previous](#) week. Any questions regarding the material in this publication should be directed to MSA staff. Our contact information is available on the MSA website: www.albertamsa.ca

Wholesale Market

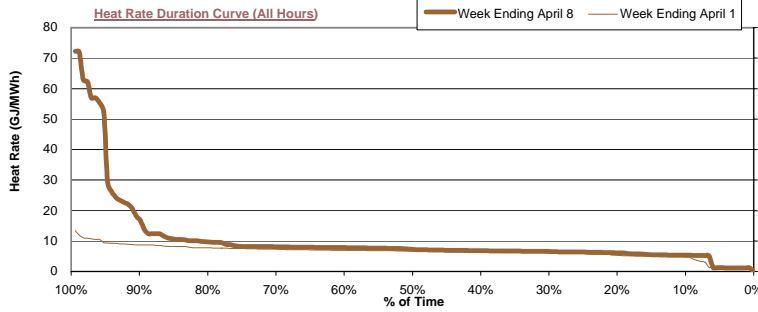
Weekly Market Statistics

	Sunday 2-Apr	Monday 3-Apr	Tuesday 4-Apr	Wednesday 5-Apr	Thursday 6-Apr	Friday 7-Apr	Saturday 8-Apr	Average	Last Week	% Change	YTD
Pool Price											
Average	\$ 40.61	\$ 88.87	\$ 176.53	\$ 52.41	\$ 48.98	\$ 42.34	\$ 24.64	\$ 68.17	\$ 41.25	65.3%	\$ 57.55
On-Peak	NA	\$ 109.44	\$ 231.39	\$ 55.99	\$ 51.49	\$ 45.41	\$ 33.45	\$ 87.86	\$ 48.12	82.6%	\$ 70.88
Off-Peak	\$ 40.61	\$ 47.73	\$ 66.81	\$ 45.25	\$ 43.97	\$ 36.20	\$ 7.03	\$ 40.98	\$ 32.10	27.7%	\$ 37.47
COV	0.29	0.93	0.88	0.17	0.11	0.15	0.62	0.45	0.28	63.3%	
Heat Rate											
Average	6.28	13.27	26.73	8.15	7.54	6.96	4.17	10.44	6.48	61.3%	8.14
On-Peak	NA	16.34	35.03	8.71	7.93	7.47	5.66	13.52	7.56	78.9%	10.03
Off-Peak	6.28	7.13	10.11	7.04	6.77	5.95	1.19	6.34	5.04	25.7%	5.30
Demand											
Average	7,098	7,707	7,643	7,747	7,841	7,751	7,414	7,600	7,792	-2.5%	8,072
Minimum	-	6,848	6,906	6,840	6,899	6,961	6,860	5,902	7,074	-16.6%	6,840
Maximum	7,984	8,230	8,119	8,238	8,323	8,297	7,850	8,149	8,310	-1.9%	9,306
Coal Unit Availability											
Average	5,204	5,045	4,638	5,012	5,193	5,370	5,371	5,119	5,639		5,692
Utilization	89%	86%	79%	86%	89%	92%	92%	88%	97%	-8.9%	97%
Gas and Hydro Unit Availability											
Average	1,876	2,109	2,210	2,226	2,159	2,108	1,834	2,075	2,052	0.4%	2,042
Utilization	39%	44%	46%	47%	45%	44%	39%	37%	36%	0.4%	36%



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 8, prices were at or below:

- \$20/MWh 6% of the time
- \$50/MWh 61% of the time
- \$100/MWh 89% of the time
- \$250/MWh 95% of the time
- \$500/MWh 100% 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 8, implied market heat rates were at or below:

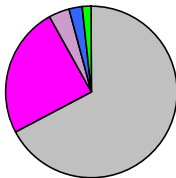
- 5.0 GJ/MWh 7% of the time
- 10.0 GJ/MWh 82% of the time
- 15.0 GJ/MWh 90% of the time
- 20.0 GJ/MWh 92% of the time

Market Share Statistics

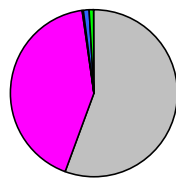
By Fuel Type:

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

Weekly Generation by Fuel Type

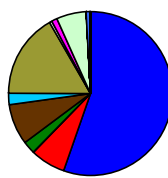


Weekly Price Setting by Fuel Type



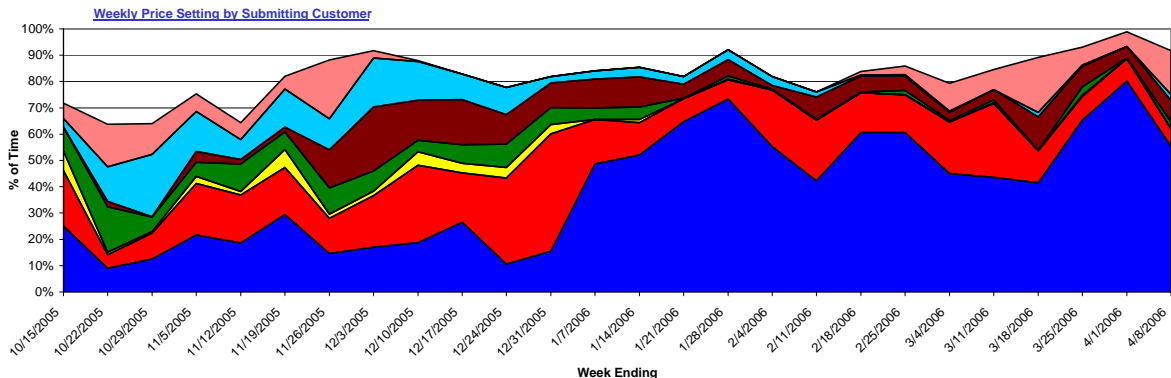
By Submitting Customer:

Weekly Price Setting by Submitting Customer

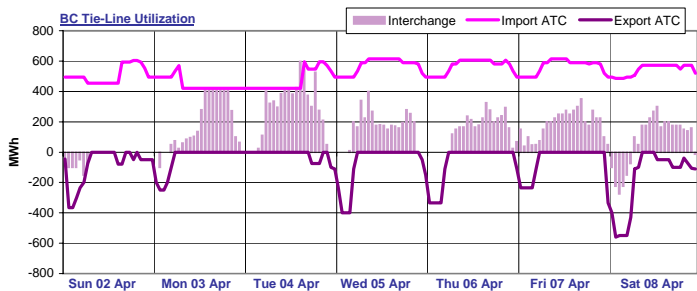


Last week, coal units were responsible for 67.3% of the generation in the province and set price 55.3% of the time. Gas-cogen units accounted for 24.6% of the generation and set price 42.0% of the time last week while other gas units made up 4.0% of generation and set price 0.1% of the time.

A total of 10 market participants set price last week. One market participant set price more than 20% of the time last week. The top price setter set price 55.4% of the time and the top five price setters set price a total of 92.5% of the time.

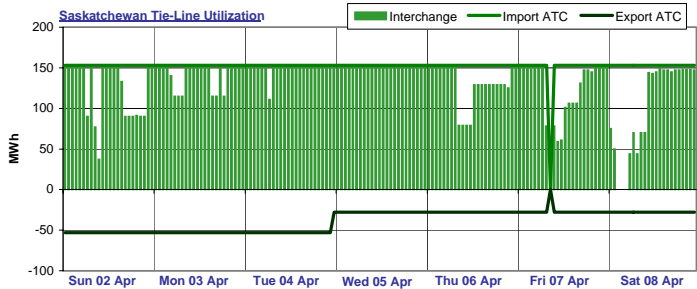


Interties

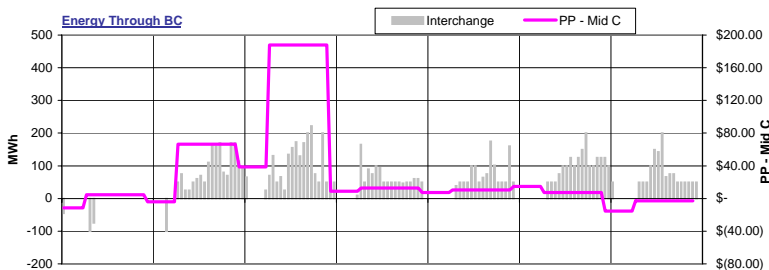


BC import capacity was 29% utilized last week while BC export capacity was 10% utilized. Energy was being imported into Alberta over the BC tie-line 68% of the time and exported out of Alberta over the BC tie-line 9% of the time last week. There was no activity on the BC tie-line 23% of the time last 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.



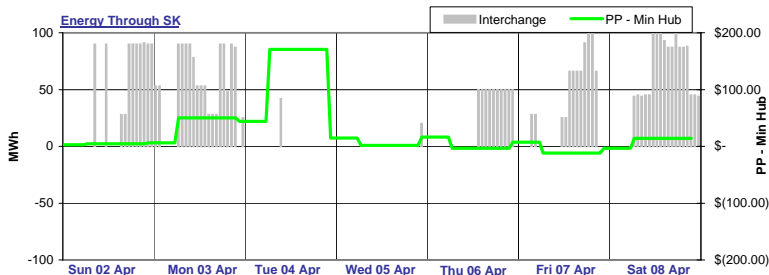
Saskatchewan import capacity was 37% utilized last week while Saskatchewan export capacity was 5% utilized. Energy was being imported into Alberta over the Saskatchewan tie-line 71% of the time and exported out of Alberta over the Saskatchewan tie-line 5% of the time last week. There was no activity on the Saskatchewan tie-line 24% 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 supported import activity across the Alberta - Saskatchewan interconnection.

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



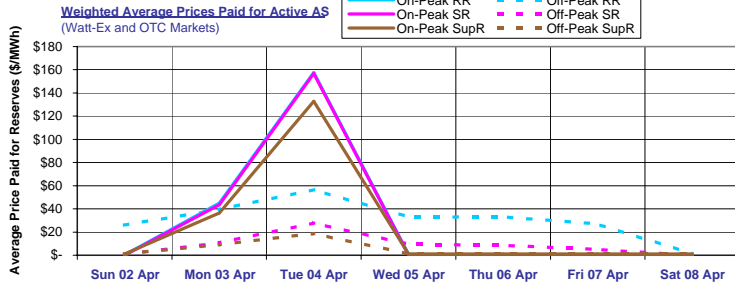
Tie-Line Market Shares



Last week, there were a total of 9 importers. The most active importer had a market share of 46.5% while the second most active importer had a market share of 28.7%. There were a total of 3 exporters last week. The most active exporter had a market share of 82.7% while the next largest exporter had a market share of 13.6%.

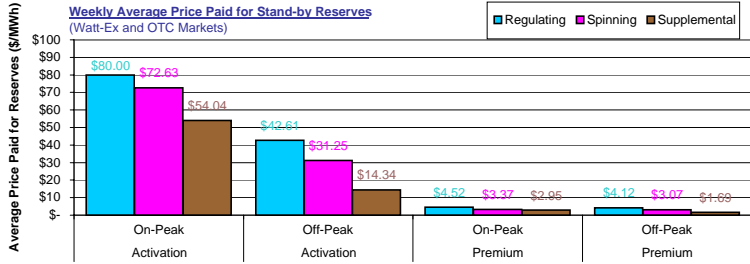
Note: Market shares are based on the combined activity on both interties.

Ancillary Services Market



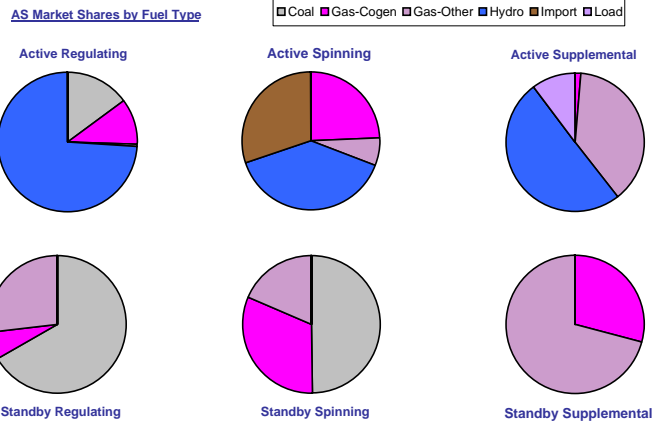
Average on-peak prices paid for active ancillary services last week were \$29.13/MWh, \$29.85/MWh and \$25.48/MWh respectively for active **regulating**, **spinning** and **supplemental** reserves.

Active average off-peak prices were somewhat lower and averaged \$31.08/MWh, \$9.13/MWh and \$4.93/MWh for active **regulating**, **spinning** and **supplemental** reserves respectively.



Weekly average activation prices for stand-by reserves ranged from \$14.34/MWh for **off-peak supplemental** reserves to \$80.00/MWh for **on-peak regulating** reserves.

Weekly average premium prices ranged from \$1.69/MWh for **off-peak supplemental** reserves up to \$4.52/MWh for **on-peak regulating** reserves.



Last week **hydro** units had the largest market share in the **active regulating** reserve market with 73.8%. In the **active spinning** reserve market, **hydro** units had the leading market share with 38.9% while in the **active supplemental** reserve market, **hydro** units dominated with a 50.2% market share.

Coal units dominated the **standby regulating** reserve market with a 66.6% market share. Leading market share in the **standby spinning** market was held by coal units with a 49.7% market share. In the **standby supplemental** reserve market, gas units had the leading market share with 70.7%.

Glossary

- HE** Hour Ending
- 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)
- COV** Coefficient of Variation
The standard deviation of a series of numbers divided by the mean of the same series of numbers. Used as a measure of volatility.
- ATC** Available Transfer Capacity
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.
- Sparksread** Sparksreads 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.