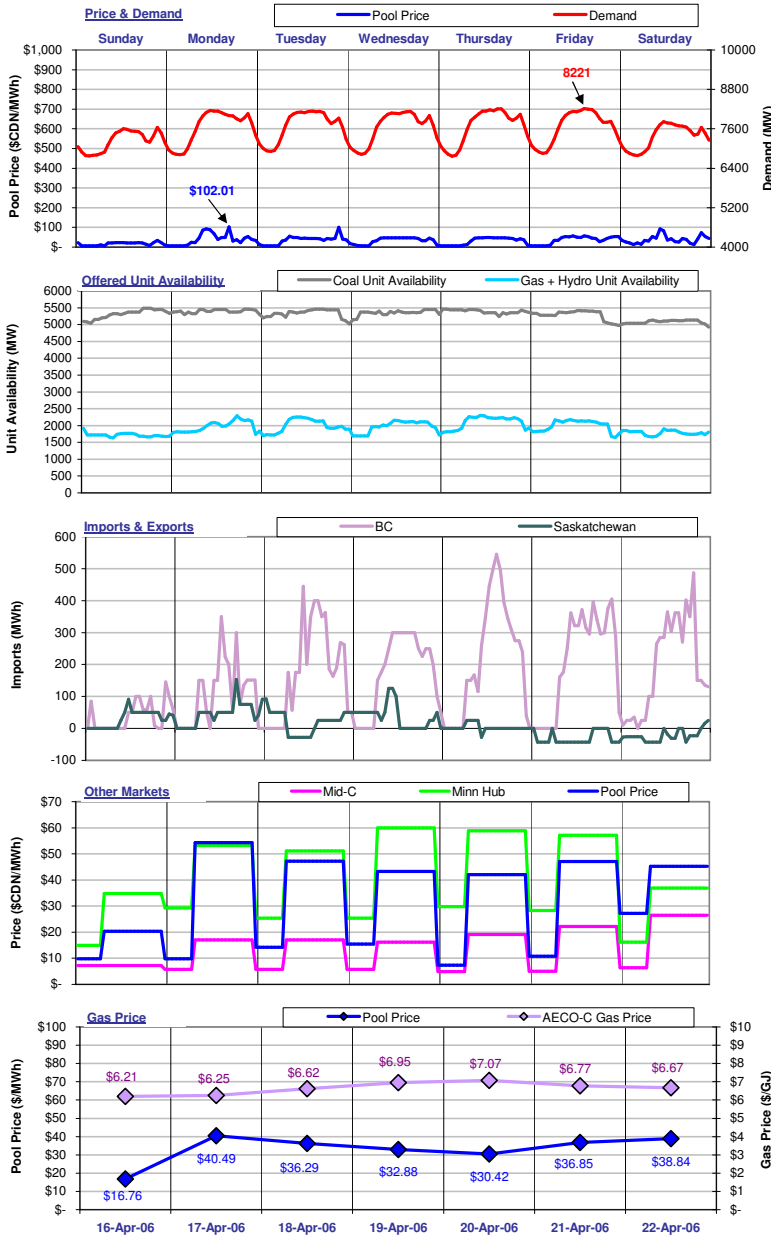


The Market Monitor

WATCHING THE MARKET : your fact source

Week Ending April 22, 2006

Weekly Highlights



For the week ending April 22, 2006, **Pool Price** averaged \$33.22/MWh and ranged from a minimum of \$6.22/MWh in HE05 on Thursday to a maximum of \$102.01/MWh in HE17 on Monday. **Demand** reached a high of 8221 MW in HE15 on Friday and a low of 6763 MW in HE04 on Thursday. Average demand for the week was 7556 MW. **Pool Price** and **Demand** were positively correlated last week with an R-squared value of 0.59.

Coal Unit Availability averaged 5308 MW last week. This is an equivalent availability of 91% (based on MCR). **Gas and Hydro Unit Availability** averaged 1934MW last week, which is an equivalent of 34% (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 26,544MWh. Alberta was a net importer from Saskatchewan last week with total imports equal to 1,951MWh. Overall, Alberta imported 28,495MWh of electricity last week.

Pool Prices were generally higher than prices in **Mid-C** and lower than prices in **Minn Hub** last week. **Mid-C** prices averaged \$19.66/MWh on-peak and \$5.83/MWh off peak. **Minn Hub** prices averaged \$52.87/MWh on-peak and \$24.17/MWh off-peak.

Prices in \$CDN at an exchange rate of 1.15229.

The average **AECO-C Gas Price** last week was \$6.65/GJ and ranged from a minimum of \$6.21/GJ to \$7.07/GJ. Prevailing gas prices resulted in market heat rates ranging from a low of 2.70 GJ/MWh to a high of 6.48GJ/MWh. The average market heat rate for the week was 4.99 GJ/MWh.

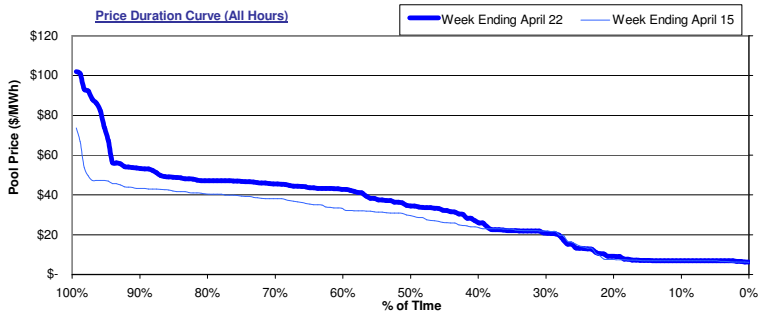


Alberta's Market Surveillance Administrator is in place to monitor the fair, efficient and openly competitive operation of all electricity markets within the province. The **Market Monitor** is a weekly publication by the MSA intended to educate industry participants and the public on market activities 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

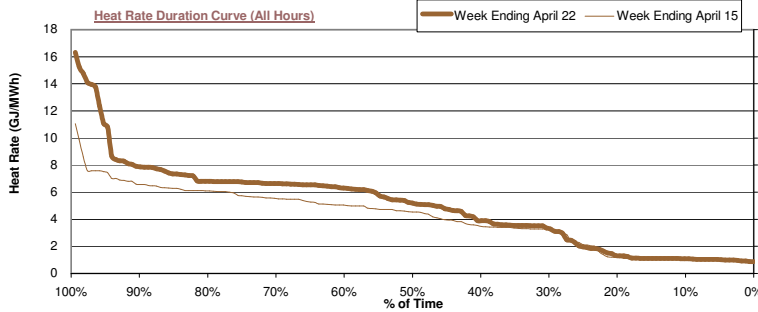
Weekly Market Statistics

	Sunday 16-Apr	Monday 17-Apr	Tuesday 18-Apr	Wednesday 19-Apr	Thursday 20-Apr	Friday 21-Apr	Saturday 22-Apr	Average	Last Week	% Change	YTD
Pool Price											
Average	\$ 16.76	\$ 40.49	\$ 36.29	\$ 32.88	\$ 30.42	\$ 36.85	\$ 38.84	\$ 33.22	\$ 27.38	21.3%	\$ 54.15
On-Peak	NA	\$ 54.28	\$ 47.16	\$ 43.31	\$ 42.02	\$ 47.10	\$ 45.21	\$ 46.51	\$ 35.18	32.2%	\$ 67.13
Off-Peak	\$ 16.76	\$ 12.93	\$ 14.54	\$ 12.03	\$ 7.22	\$ 16.35	\$ 26.09	\$ 15.49	\$ 16.98	-8.8%	\$ 34.73
COV	0.46	0.72	0.58	0.49	0.60	0.51	0.54	0.56	0.51	10.5%	
Heat Rate											
Average	2.70	6.48	5.48	4.73	4.30	5.44	5.82	4.99	4.55	9.7%	7.76
On-Peak	NA	8.69	7.12	6.23	5.94	6.96	6.77	6.95	5.84	19.0%	9.62
Off-Peak	2.70	2.07	2.20	1.73	1.02	2.41	3.91	2.38	2.84	-16.0%	4.98
Demand											
Average	7,235	7,645	7,685	7,639	7,667	7,662	7,363	7,556	7,499	0.8%	8,004
Minimum	6,779	6,814	6,915	6,820	6,763	6,854	6,789	6,819	6,780	0.6%	6,732
Maximum	7,642	8,162	8,144	8,127	8,208	8,221	7,814	8,045	7,958	1.1%	9,306
Coal Unit Availability											
Average	5,313	5,398	5,334	5,355	5,391	5,286	5,080	5,308	5,403		5,650
Utilization	91%	92%	91%	92%	92%	91%	87%	91%	93%	-1.6%	97%
Gas and Hydro Unit Availability											
Average	1,716	1,973	1,999	1,967	2,100	2,000	1,785	1,934	1,914		2,027
Utilization	36%	41%	42%	41%	44%	42%	37%	34%	34%	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 22, prices were at or below:

- \$20/MWh 28% of the time
- \$50/MWh 87% of the time
- \$100/MWh 98% of the time
- \$250/MWh 100% of the time
- \$500/MWh 100% of the time



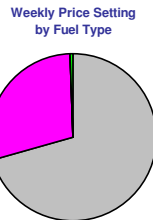
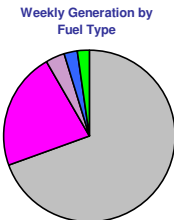
The heat rate duration curves show the % of time that the implied market heat rate was at or below a certain value during the week. For the week ending April 22 implied market heat rates were at or below:

- 5.0 GJ/MWh 47% of the time
- 10.0 GJ/MWh 95% of the time
- 15.0 GJ/MWh 99% of the time
- 20.0 GJ/MWh 100% of the time

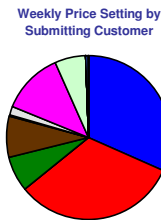
Market Share Statistics

By Fuel Type:

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

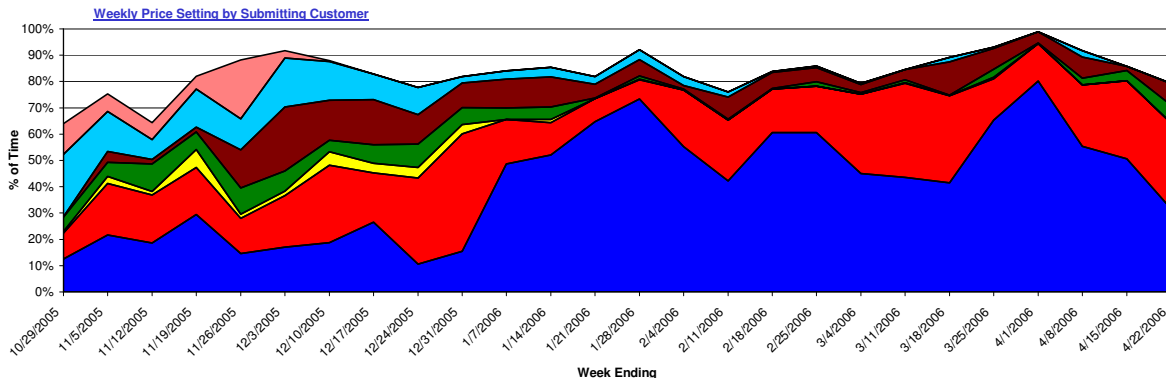


By Submitting Customer:

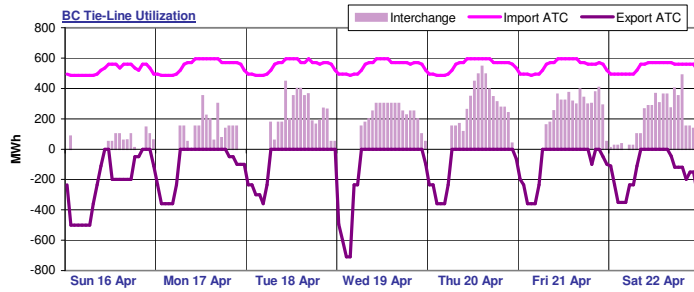


Last week, coal units were responsible for 69.4% of the generation in the province and set price 70.7% of the time. Gas-cogen units accounted for 22.4% of the generation and set price 28.8% of the time last week while other gas units made up 3.5% of generation and set price 0.0% of the time.

A total of nine market participants set price last week. Two market participants set price more than 20% of the time last week. The top price setter set price 32.5% of the time and the top five price setters set price a total of 91.4% of the time.

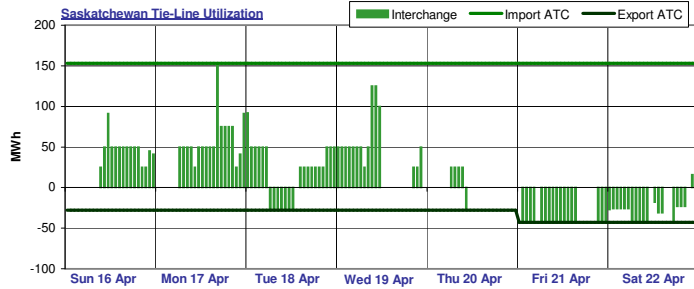


Interties

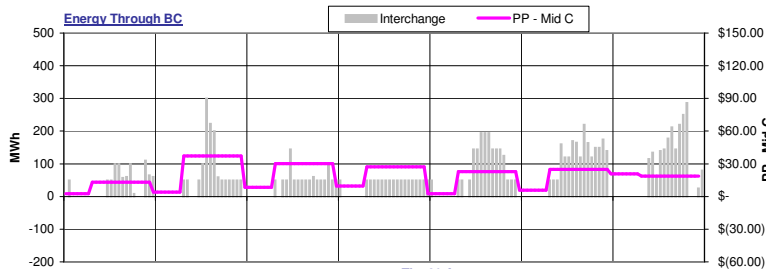


BC import capacity was 28% utilized last week while BC export capacity was 0% utilized. Energy was being imported into Alberta over the BC tie-line 71% of the time and exported out of Alberta over the BC tie-line 0% of the time last week. There was no activity on the BC tie-line 29% of the time last 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.



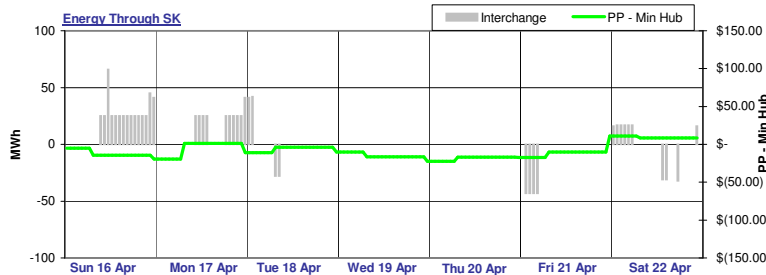
Saskatchewan import capacity was 13% utilized last week while Saskatchewan export capacity was 23% utilized. Energy was being imported into Alberta over the Saskatchewan tie-line 42% of the time and exported out of Alberta over the Saskatchewan tie-line 26% of the time last week. There was no activity on the Saskatchewan tie-line 33% of the time last week.



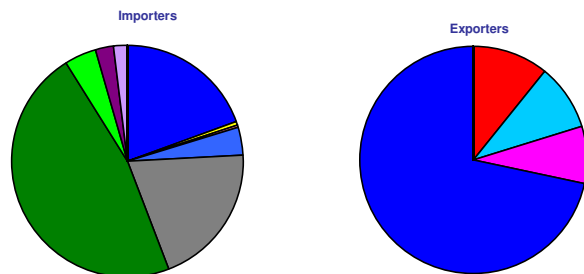
Last week, Alberta spot prices were mostly higher relative to prices in the Pacific Northwest as represented by Mid-C index prices, supporting import activity across the Alberta - BC interconnection.

Alberta prices were generally lower than prices in MAPP as represented by spot prices at the Minnesota Hub, which generally supported export activity across the Alberta - Saskatchewan interconnection.

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



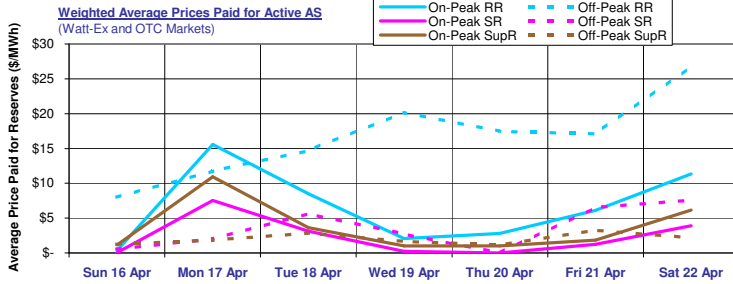
Tie-Line Market Shares



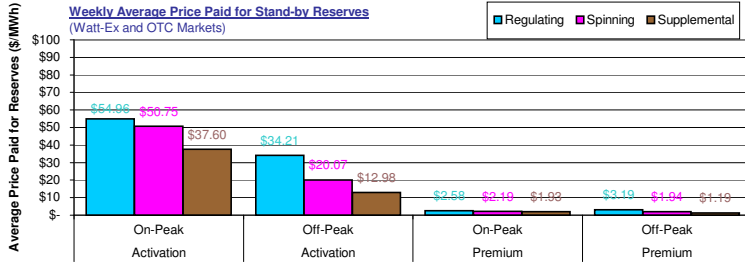
Last week, there were a total of 9 importers. The most active importer had a market share of 47.0% while the second most active importer had a market share of 19.8%. There were a total of 4 exporters last week. The most active exporter had a market share of 71.7% while the next largest exporter had a market share of 10.8%.

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

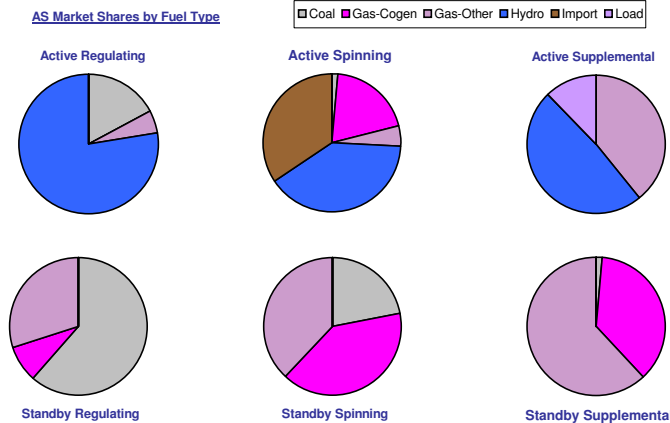
Ancillary Services Market



Average on-peak prices paid for active ancillary services last week were **\$6.63/MWh**, **\$2.31/MWh** and **\$3.67/MWh** respectively for active **regulating**, **spinning** and **supplemental** reserves. Active average off-peak prices were somewhat **higher** and averaged **\$16.59/MWh**, **\$3.58/MWh** and **\$2.02/MWh** for active **regulating**, **spinning** and **supplemental** reserves respectively.



Weekly average activation prices for stand-by reserves ranged from **\$12.98/MWh** for **off-peak supplemental** reserves to **\$54.96/MWh** for **on-peak regulating** reserves. Weekly average premium prices ranged from **\$1.19/MWh** for **off-peak supplemental** reserves up to **\$3.19/MWh** for **on-peak spinning** reserves.



Last week **hydro** units had the largest market share in the **active regulating** reserve market with **77.6%**. In the **active spinning** reserve market, **hydro** units had the leading market share with **39.9%** while in the **active supplemental** reserve market, **hydro** units dominated with a **48.6%** market share.

Coal units dominated the **standby regulating** reserve market with a **61.3%** market share. Leading market share in the **standby spinning** market was held by **cogen** units with a **39.9%** market share. In the **standby supplemental** reserve market, **gas** units had the leading market share with **61.8%**.

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.