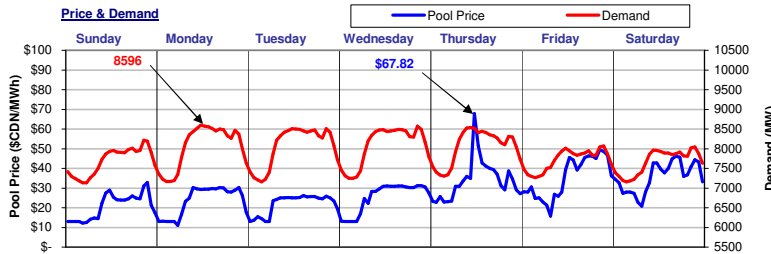


The Market Monitor

WATCHING THE MARKET : your fact source

Week Ending April 3, 2010

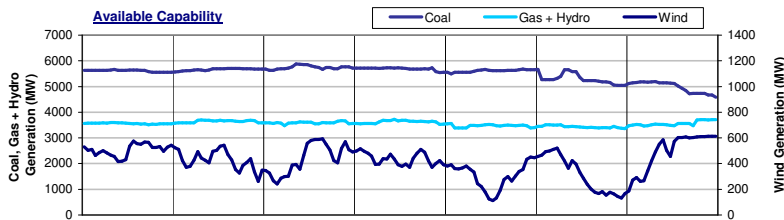
Weekly Highlights



For the week ending April 3, 2010, **Pool Price** averaged \$28.16/MWh and ranged from a minimum of \$11.09/MWh in HE06 on Monday to a maximum of \$67.82/MWh in HE12 on Thursday.

Demand reached a high of 8,596 MW in HE12 on Monday and a low of 7,131 MW in HE05 on Sunday. Average demand for the week was 7,907 MW.

Pool Price and **Demand** were positively correlated last week with an R-squared value of 0.24.

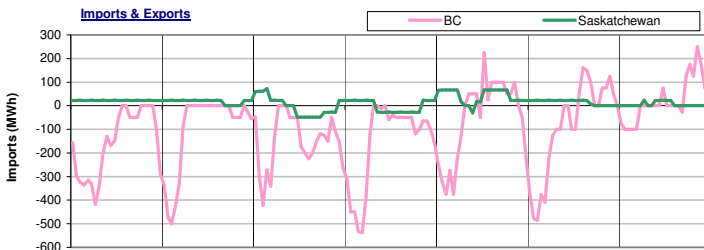


Coal Unit Availability averaged 5512 MW last week. This is an equivalent availability of 93%.

Gas, Hydro and Other Unit Availability averaged 3555 MW last week, which is an equivalent of 63%.

Wind Generation averaged 418 MW last week. This is an equivalent availability of 66%.

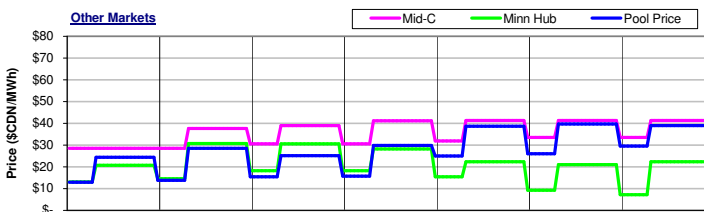
Availability numbers are based on MW offered into the energy merit order.



Alberta was a net exporter to **BC** last week with total exports equal to 16,331 MWh.

Alberta was a net importer from **Saskatchewan** last week with total imports equal to 2,235 MWh.

Overall, Alberta exported 14,006 MWh of electricity last week.

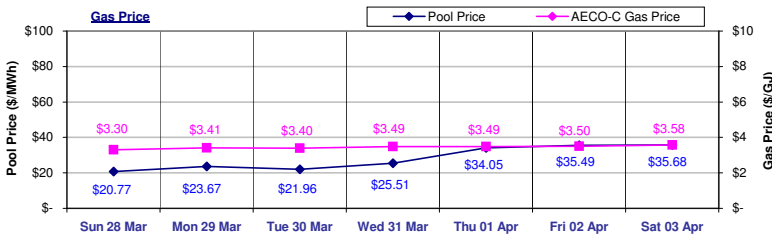


Pool Prices were generally lower than prices in **Mid-C** and higher than prices in **Minn Hub** last week.

Mid-C prices averaged \$40.27/MWh on-peak and \$31.05/MWh off-peak.

Minn Hub prices averaged \$25.87/MWh on-peak and \$13.71/MWh off-peak.

Prices in \$/MWh at an exchange rate of 1.026.



The average **AECO-C Gas Price** last week was \$3.45/GJ and ranged from a minimum of \$3.30/GJ to \$3.58/GJ.

Prevailing gas prices resulted in market heat rates ranging from a low of 6.29 GJ/MWh to a high of 10.13 GJ/MWh. The average market heat rate for the week was 8.13 GJ/MWh.

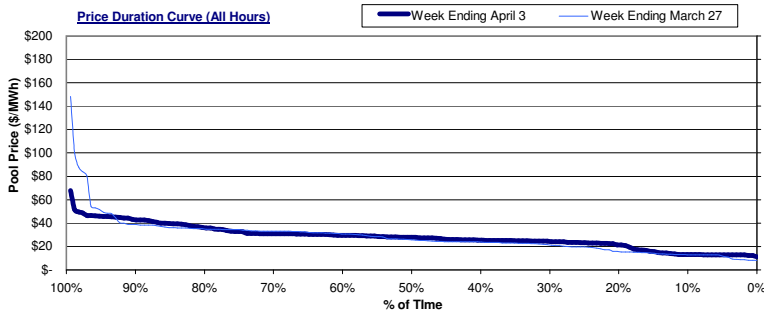


Alberta's Market Surveillance Administrator is in place to monitor the fair, efficient and openly competitive operation of all electricity markets within the province. The **Market Monitor** is a weekly publication by the MSA intended to educate industry participants and the public on market activities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

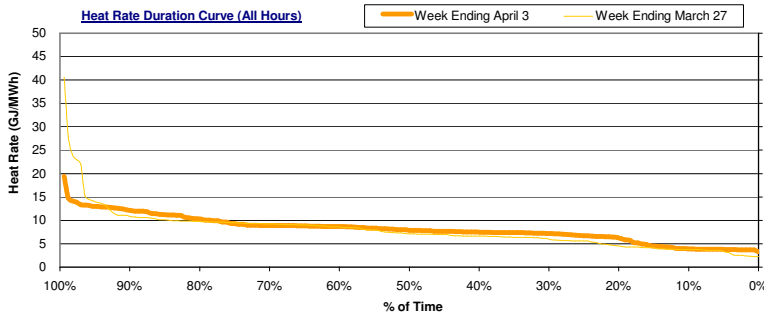
	Sunday 28-Mar	Monday 29-Mar	Tuesday 30-Mar	Wednesday 31-Mar	Thursday 1-Apr	Friday 2-Apr	Saturday 3-Apr	Average	Last Week	% Change	YTD
Pool Price											
Average	\$ 20.77	\$ 23.67	\$ 21.96	\$ 25.51	\$ 34.05	\$ 35.49	\$ 35.68	\$ 28.16	\$ 28.36	-0.7%	\$ 40.59
On-Peak	NA	\$ 28.59	\$ 25.09	\$ 29.90	\$ 38.62	\$ 39.67	\$ 38.90	\$ 33.46	\$ 33.93	-1.4%	\$ 47.40
Off-Peak	\$ 20.77	\$ 13.84	\$ 15.71	\$ 16.75	\$ 24.90	\$ 27.13	\$ 29.23	\$ 21.10	\$ 20.94	0.7%	\$ 30.55
COV	0.32	0.31	0.23	0.29	0.30	0.29	0.21	0.28	0.39	-29.0%	
Heat Rate											
Average	6.29	6.94	6.47	7.31	9.77	10.13	9.97	8.13	7.92	2.6%	8.73
On-Peak	NA	8.38	7.39	8.57	11.08	11.33	10.87	9.60	9.44	1.7%	10.19
Off-Peak	6.29	4.06	4.63	4.80	7.14	7.75	8.17	6.16	5.89	4.6%	6.57
Demand											
Average	7,686	8,060	8,065	8,091	8,060	7,713	7,673	7,907	8,102	-2.4%	8,391
Minimum	7,131	7,166	7,159	7,244	7,307	7,266	7,162	7,205	7,316	-1.5%	7,131
Maximum	8,212	8,596	8,509	8,574	8,544	8,070	8,043	8,364	8,651	-3.3%	9,806
Coal Unit Availability											
Average	5,612	5,662	5,742	5,690	5,609	5,295	4,976	5,512	5,428	1.4%	5,376
AC/MC	93%	94%	95%	94%	93%	87%	82%	91%	90%		89%
Gas, Hydro and Other Unit Availability											
Average	3,563	3,643	3,590	3,622	3,472	3,434	3,562	3,555	3,760	-3.6%	3,937
AC/MC	63%	64%	63%	64%	61%	61%	63%	63%	66%		69%



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 3**, prices were at or below:

\$20/MWh	18% of the time
\$50/MWh	98% of the time
\$100/MWh	100% 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 3** implied market heat rates were at or below:

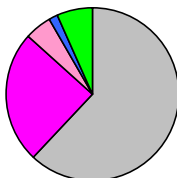
5.0 GJ/MWh	17% of the time
10.0 GJ/MWh	79% of the time
15.0 GJ/MWh	99% of the time
20.0 GJ/MWh	100% of the time

Market Share Statistics

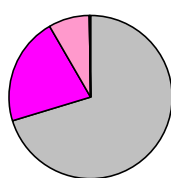
By Fuel Type:

Coal Gas - Cogen Gas - Other Hydro Other

Weekly Generation by Fuel Type

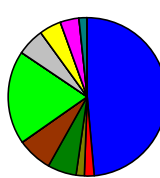


Weekly Price Setting by Fuel Type



By Submitting Customer:

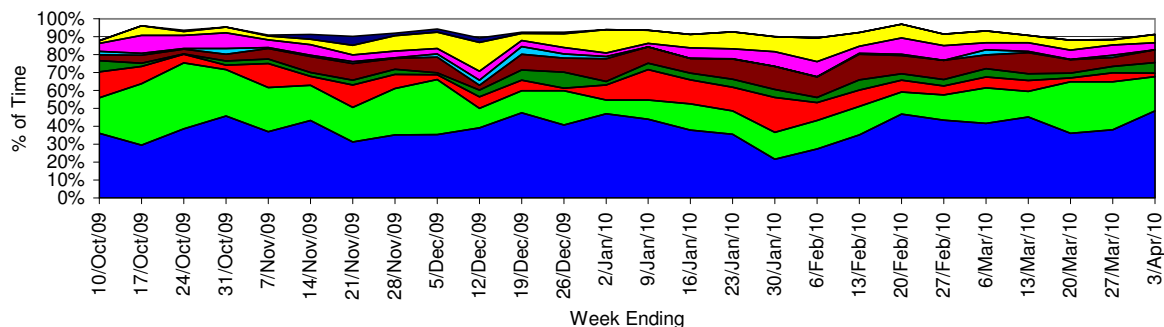
Weekly Price Setting by Submitting Customer



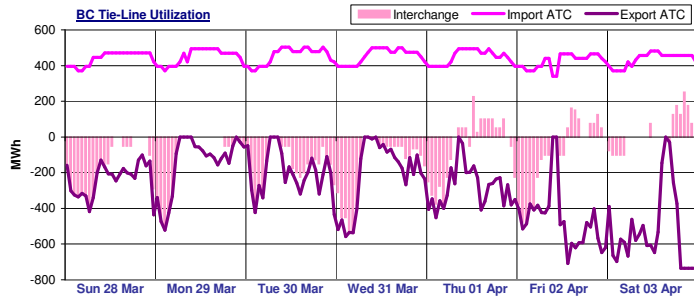
Last week, **coal units** were responsible for **61.8%** of the generation in the province and set price **70.2%** of the time. **Gas-cogen** units accounted for **24.7%** of the generation and set price **21.5%** of the time last week while **other gas** units made up **5.1%** of generation and set price **8.1%** of the time.

A total of **11** 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 **48.5%** of the time and the top five price setters set price a total of **86.0%** of the time.

Weekly Price Setting by Submitting Customer

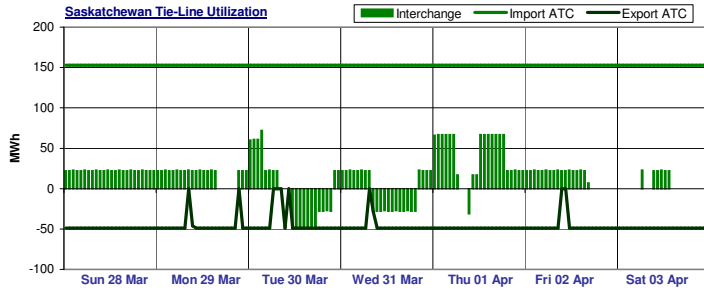


Interties

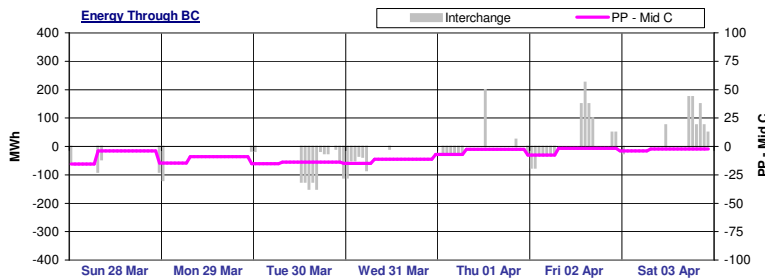


BC import capacity was 4% utilized last week while BC export capacity was 46% utilized. Energy was being imported into Alberta over the BC tie-line 17% of the time and exported out of Alberta over the BC tie-line 58% of the time last week. There was no activity on the BC tie-line 25% of the time last 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.



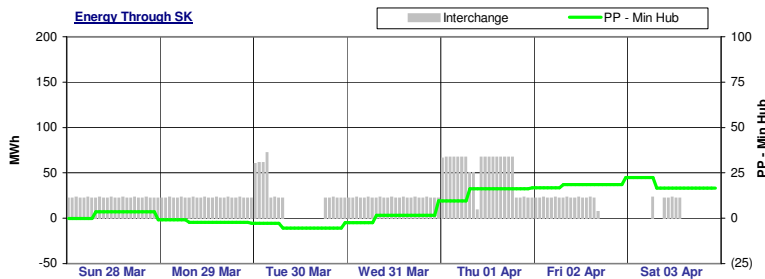
Saskatchewan import capacity was 15% utilized last week while Saskatchewan export capacity was 20% utilized. Energy was being imported into Alberta over the Saskatchewan tie-line 65% of the time and exported out of Alberta over the Saskatchewan tie-line 14% of the time last week. There was no activity on the Saskatchewan tie-line 21% of the time last week.



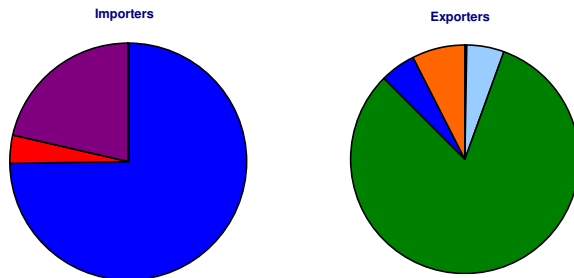
Last week, Alberta spot prices were mostly lower relative to prices in the Pacific Northwest as represented by Mid-C index prices.

Alberta prices were generally higher than prices in MISO as represented by spot prices at the Minnesota Hub.

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



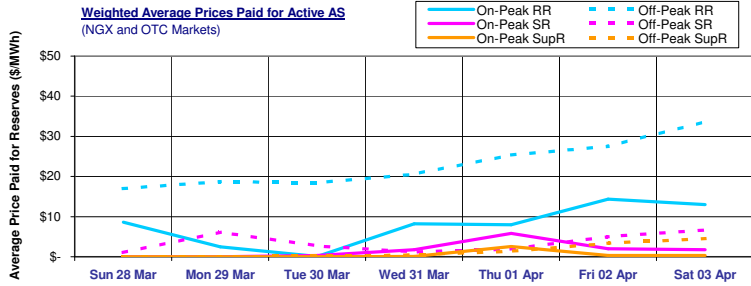
Tie-Line Market Shares



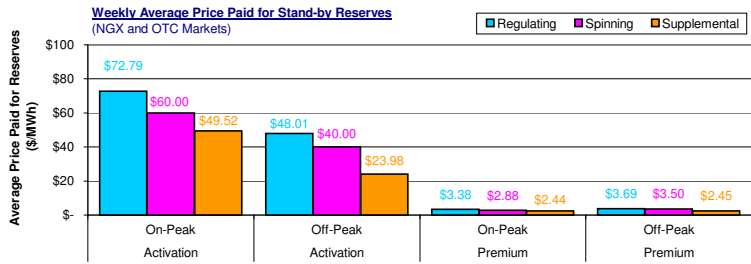
Last week, there were a total of 3 importers. The most active importer had a market share of 74.7% while the second most active importer had a market share of 21.3%. There were a total of 5 exporters last week. The most active exporter had a market share of 82.0% while the next largest exporter had a market share of 7.4%.

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

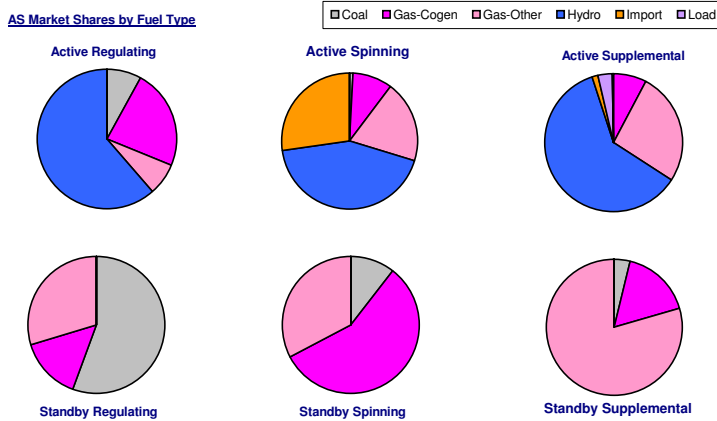
Ancillary Services Market



Average on-peak prices paid for active ancillary services last week were **\$7.74/MWh**, **\$1.68/MWh** and **\$0.47/MWh** respectively for active **regulating**, **spinning** and **supplemental** reserves.
Active average off-peak prices were **higher** and averaged **\$22.82/MWh**, **\$3.53/MWh** and **\$1.39/MWh** for active **regulating**, **spinning** and **supplemental** reserves respectively.



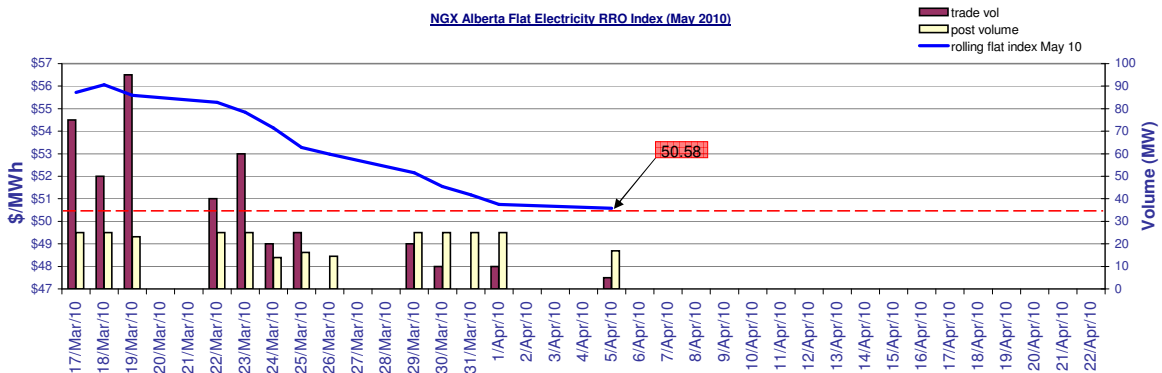
Weekly average activation prices for stand-by reserves ranged from **\$23.94/MWh** for **off-peak supplemental** reserves to **\$72.79/MWh** for **on-peak regulating** reserves.
Weekly average premium prices ranged from **\$2.44/MWh** for **on-peak supplemental** reserves up to **\$3.69/MWh** for **off-peak regulating** reserves.



Last week **hydro** units had the largest market share in the **active regulating** reserve market with **61.3%**. In the **active spinning** reserve market, **hydro** units had the leading market share with **43.1%** while in the **active supplemental** reserve market, **hydro** units dominated with a **60.7%** market share.

Coal units dominated the **standby regulating** reserve market with a **55.5%** market share. Leading market share in the **standby spinning** market was held by **gas cogen** units with a **56.7%** market share. In the **standby supplemental** reserve market, **gas** units had the leading market share with **79.4%**.

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 (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.