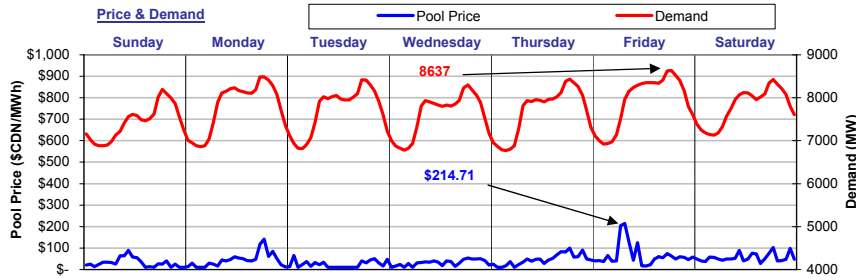


The Market Monitor

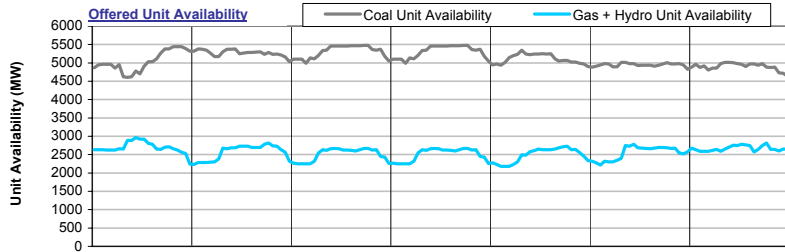
WATCHING THE MARKET : your fact source

Week Ending February 5, 2005

Weekly Highlights

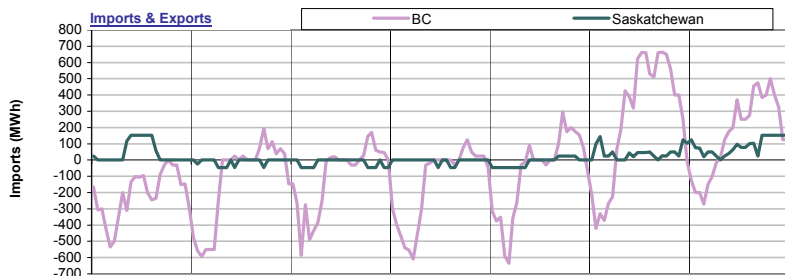


For the week ending February 5, 2005, **Pool Price** averaged \$43.25/MWh and ranged from a minimum of \$10.34/MWh in HE06 on Thursday to a maximum of \$214.71/MWh in HE8 on Friday. **Demand** reached a high of 8637 MW in HE19 on Friday and a low of 6775 MW in HE04 on Thursday. Average demand for the week was 7707MW. **Pool Price** and **Demand** were positively correlated last week with an R-squared value of 0.14.

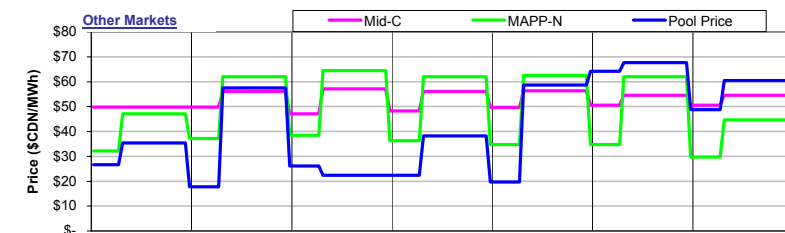


Coal Unit Availability averaged 5128 MW last week. This is an equivalent availability of 86% (based on MCR). **Gas and Hydro Unit Availability** averaged 2569MW last week, which is an equivalent of 45% (based on MCR).

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

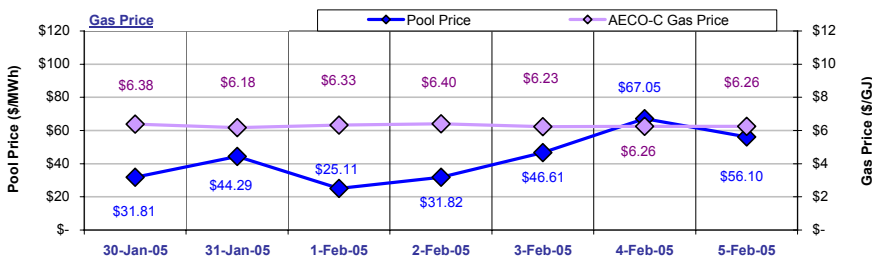


Alberta was a net exporter to **BC** last week with total exports equal to 5,646MWh. Alberta was a net importer from Saskatchewan last week with total imports equal to 3,121MWh. Overall, Alberta exported 2,525MWh of electricity last week.



Pool Prices were generally lower than prices in **Mid-C** and lower than prices in **MAPP-N** last week. **Mid-C** prices averaged \$55.74/MWh on-peak and \$49.35/MWh off-peak. **MAPP-N** prices averaged \$59.57/MWh on-peak and \$34.73/MWh off-peak.

Prices in \$/MWh at an exchange rate of 1.2389.



The average **AECO-C Gas Price** last week was \$6.29/GJ and ranged from a minimum of \$6.18/GJ to \$6.40/GJ. Prevailing gas prices resulted in market heat rates ranging from a low of 3.97GJ/MWh to a high of 10.72GJ/MWh. The average market heat rate for the week was 6.89GJ/MWh.

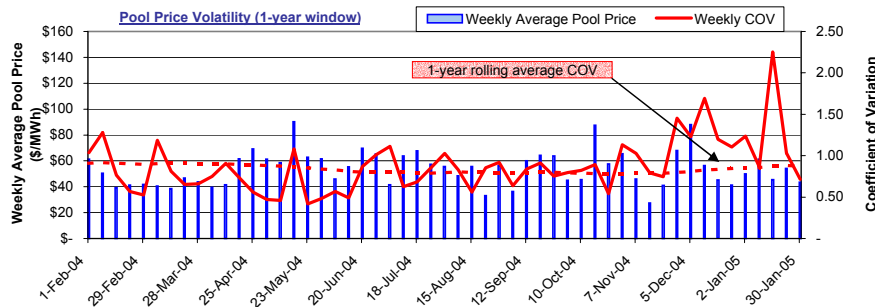
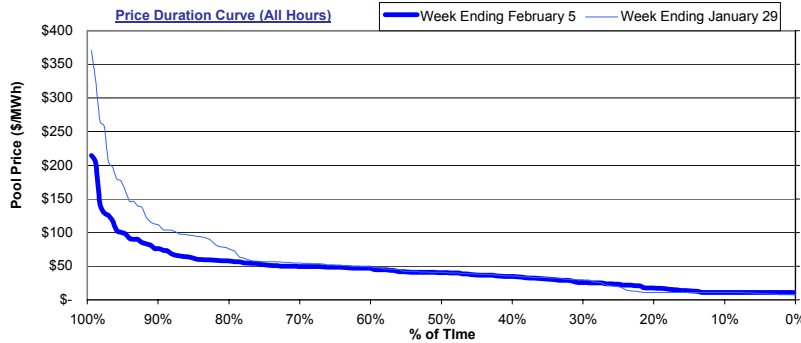
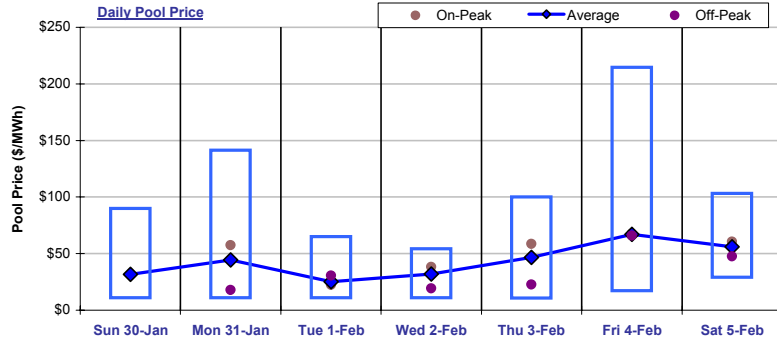


Alberta's Market Surveillance Administrator is in place to monitor the fair, efficient and openly competitive operation of all electricity markets within the province. The Market Monitor is a weekly publication by the MSA intended to educate industry participants and the public on market activities for 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 30-Jan	Monday 31-Jan	Tuesday 1-Feb	Wednesday 2-Feb	Thursday 3-Feb	Friday 4-Feb	Saturday 5-Feb	Average	Last Week	% Change	YTD
Pool Price											
Average	\$ 31.81	\$ 44.29	\$ 25.11	\$ 31.82	\$ 46.61	\$ 67.05	\$ 56.10	\$ 43.25	\$ 54.30	-20.3%	\$ 49.56
On-Peak	NA	\$ 57.48	\$ 22.40	\$ 38.16	\$ 58.59	\$ 67.66	\$ 60.42	\$ 50.78	\$ 63.50	-20.0%	\$ 52.87
Off-Peak	\$ 31.81	\$ 17.91	\$ 30.52	\$ 19.14	\$ 22.64	\$ 65.83	\$ 47.47	\$ 33.21	\$ 42.04	-21.0%	\$ 39.59
COV	0.66	0.74	0.64	0.43	0.54	0.77	0.35	0.59	0.93	-37.0%	
Demand											
Average	7,431	7,798	7,713	7,605	7,685	7,922	7,794	7,707	7,753	-0.6%	7,487
Minimum	6,886	6,863	6,816	6,780	6,775	6,921	7,127	6,881	6,954	-1.1%	6,017
Maximum	8,194	8,488	8,422	8,301	8,435	8,637	8,423	8,414	8,445	-0.4%	9,236
Coal Unit Availability											
Average	5,042	5,273	5,309	5,309	5,113	4,947	4,901	5,128	5,395	-4.6%	5,359
Utilization	86%	90%	91%	91%	88%	85%	84%	88%	92%	-4.6%	92%
Gas and Hydro Unit Availability											
Average	2,692	2,568	2,509	2,509	2,488	2,549	2,668	2,569	2,359	3.7%	2,511
Utilization	57%	54%	53%	53%	52%	54%	56%	45%	42%	3.7%	44%

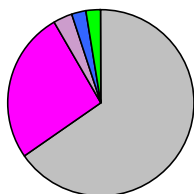


Market Share Statistics

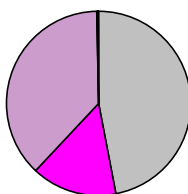
By Fuel Type:

Coal Gas - Cogen Gas - Other Hydro Other

Weekly Generation by Fuel Type

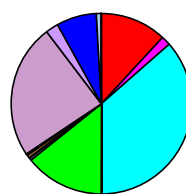


Weekly Price Setting by Fuel Type



By Submitting Customer:

Weekly Price Setting by Submitting Customer



The Daily Pool Price graph plots the daily range in hourly Pool price (defined by the blue box) along with the daily average and daily on and off-peak prices. The on-peak Pool price for the week was \$50.78/MWh while the off-peak Pool price for the week was \$33.21/MWh.

Note: Sundays and most statutory holidays are defined as off-peak.

The price duration curves show the % of time that prices were at or below a certain value during the week.

For the week ending February 5, prices were at or below:
 \$20/MWh 21% of the time
 \$50/MWh 72% of the time
 \$100/MWh 95% of the time
 \$250/MWh 100% of the time
 \$500/MWh 100% of the time

The chart plots average weekly Pool Price and the Coefficient of Variation (COV) of hourly Pool prices for the week. The COV is a standard statistical measure of volatility.

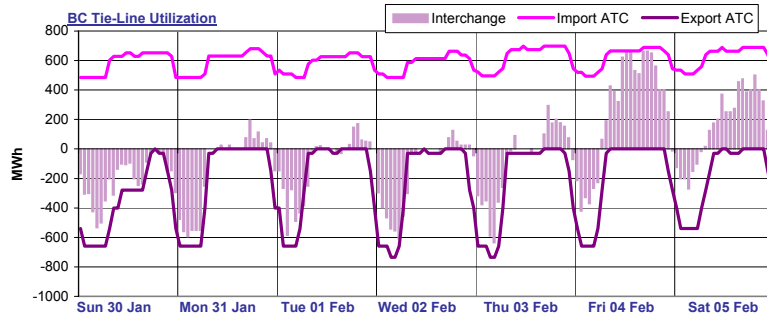
Pool price volatility decreased for the week ending February 5 from the previous week.

Pool price volatility also moved below the 1-year rolling average COV value.

Last week, coal units were responsible for 65.2% of the generation in the province and set price 46.9% of the time. Gas-cogen units accounted for 26.4% of the generation and set price 15.1% of the time last week while other gas units made up 3.5% of generation and set price 37.6% of the time.

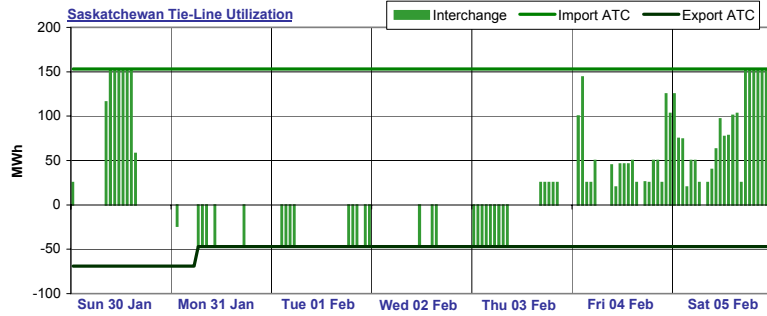
A total of 11 market participants set price last week. Two market participants set price more than 20% of the time last week. The top price setter set price 36.4% of the time and the top five price setters set price a total of 93.9% of the time.

Interties



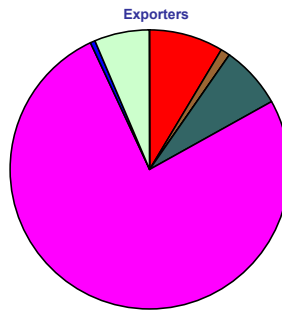
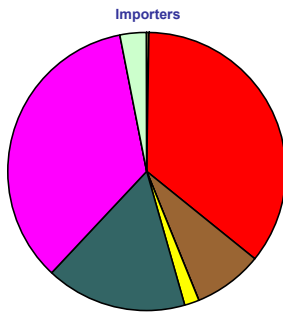
BC import capacity was 14% utilized last week while BC export capacity was 78% utilized. Energy was being imported into Alberta over the BC tie-line 39% of the time and exported out of Alberta over the BC tie-line 47% of the time last week. There was no activity on the BC tie-line 14% of the time last 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 17% utilized last week while Saskatchewan export capacity was 16% utilized. Energy was being imported into Alberta over the Saskatchewan tie-line 33% of the time and exported out of Alberta over the Saskatchewan tie-line 16% of the time last week. There was no activity on the Saskatchewan tie-line 51% of the time last week.

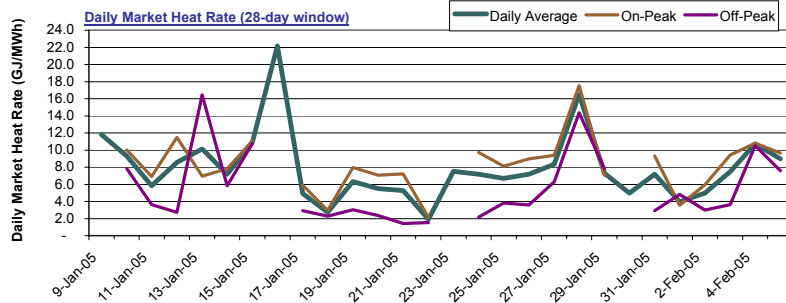
Tie-Line Market Shares



Last week, there were a total of 7 importers. The most active importer had a market share of 35.7% while the second most active importer had a market share of 34.9%. There were a total of 6 exporters last week. The most active exporter had a market share of 76.2% while the next largest exporter had a market share of 8.6%.

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

Market Heat Rates



Over the past 28 days, the daily Market Heat Rate averaged 7.9 GJ/MWh and ranged from a low of 1.9 GJ/MWh to a high of 22.2 GJ/MWh.

The daily On-Peak Market Heat Rate for the last 28 days averaged 8.2 GJ/MWh while the daily Off-Peak Market Heat Rate averaged 5.5 GJ/MWh.

Sparksreads

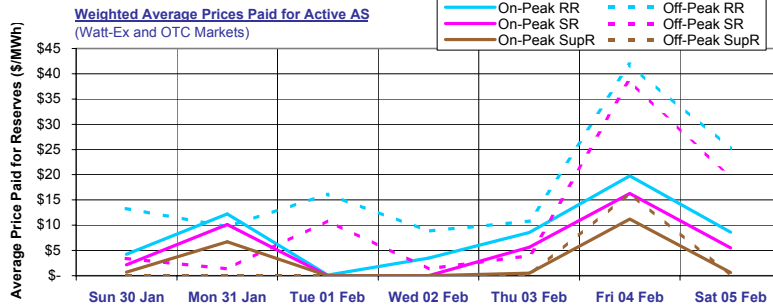
Date	AECO-C Gas Price (\$/GJ)	Daily Average			On-Peak			Off-Peak		
		Pool Price (\$/MWh)	Sparksread (\$/MWh) HR=7.5	Sparksread (\$/MWh) HR=10.0	Pool Price (\$/MWh)	Sparksread (\$/MWh) HR=7.5	Sparksread (\$/MWh) HR=10.0	Pool Price (\$/MWh)	Sparksread (\$/MWh) HR=7.5	Sparksread (\$/MWh) HR=10.0
Sun 30 Jan	\$ 6.38	\$ 31.81	(16.02)	(31.96)	NA	NA	NA	\$ 31.81	(16.02)	(31.96)
Mon 31 Jan	\$ 6.18	\$ 44.29	(2.04)	(17.48)	\$ 57.48	11.15	(4.29)	\$ 17.91	(28.42)	(43.86)
Tue 01 Feb	\$ 6.33	\$ 25.11	(22.37)	(38.20)	\$ 22.40	(25.08)	(40.91)	\$ 30.52	(16.96)	(32.78)
Wed 02 Feb	\$ 6.40	\$ 31.82	(16.19)	(32.19)	\$ 38.16	(9.84)	(25.85)	\$ 19.14	(28.87)	(44.87)
Thu 03 Feb	\$ 6.23	\$ 46.61	(0.11)	(15.68)	\$ 58.59	11.88	(3.69)	\$ 22.64	(24.08)	(39.65)
Fri 04 Feb	\$ 6.26	\$ 67.05	20.12	4.48	\$ 67.66	20.73	5.09	\$ 65.83	18.90	3.26
Sat 05 Feb	\$ 6.26	\$ 56.10	9.15	(6.50)	\$ 60.42	13.47	(2.18)	\$ 47.47	0.52	(15.13)

Daily average sparksreads last week were mostly negative for a heat rate of 7.5 GJ/MWh and mostly negative for a heat rate of 10.0 GJ/MWh.

On-peak sparksreads last week were mostly positive for a heat rate of 7.5 GJ/MWh and mostly negative for a heat rate of 10.0 GJ/MWh.

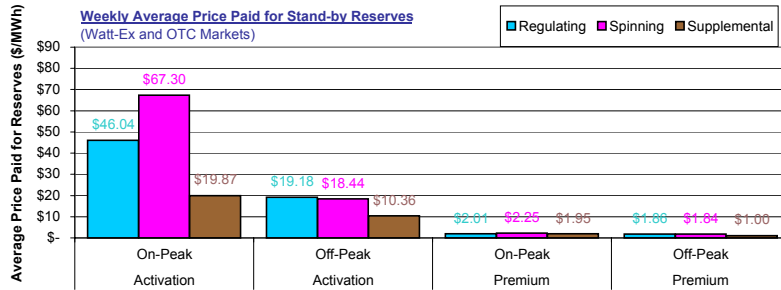
Off-peak sparksreads last week were mostly negative for a heat rate of 7.5 GJ/MWh and mostly negative for a heat rate of 10.0 GJ/MWh.

Ancillary Services Market



Average on-peak prices paid for active ancillary services last week were **\$8.14/MWh**, **\$5.75/MWh** and **\$2.89/MWh** respectively for active **regulating**, **spinning** and **supplemental** reserves.

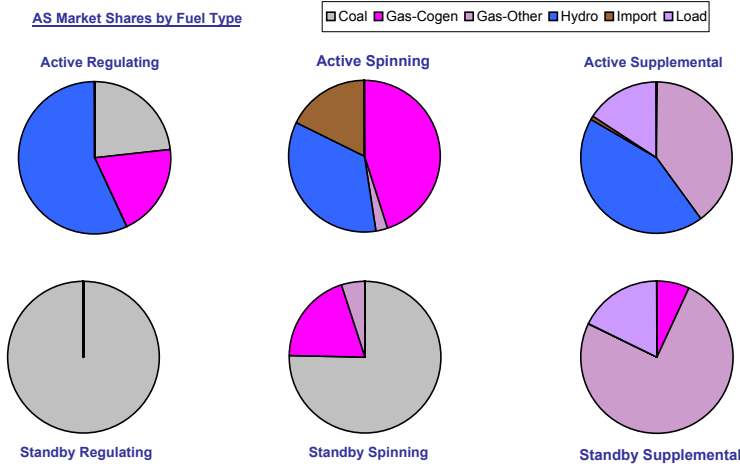
Active average off-peak prices were somewhat higher and averaged **\$18.08/MWh**, **\$11.34/MWh** and **\$2.38/MWh** for active **regulating**, **spinning** and **supplemental** reserves respectively.



Weekly average activation prices for stand-by reserves ranged from **\$10.36/MWh** for **off-peak supplemental** reserves to **\$67.30/MWh** for **on-peak spinning** reserves.

Weekly average premium prices ranged from **\$1.00/MWh** for **off-peak supplemental** reserves up to **\$2.25/MWh** for **on-peak spinning** reserves.

AS Market Shares by Fuel Type



Last week **hydro** units had the largest market share in the **active regulating** reserve market with **56.9%**. In the **active spinning** reserve market, **hydro** units had the leading market share with **45.1%** while in the **active supplemental** reserve market, **hydro** units dominated with a **43.5%** market share.

Coal units dominated the **standby regulating** reserve market with a **100.0%** market share. Leading market share in the **standby spinning** market was held by **gas** units with a **75.4%** market share. In the **standby supplemental** reserve market, **gas** units had the leading market share with **75.4%**.

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 MAPP-N: 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 MAPP-N: 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.
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.