

The Market Monitor

WATCHING THE MARKET: your fact source

WEEK OF January 5, 2003

MARKET SURVEILLANCE ADMINISTRATOR

The Market Monitor is published on the Power Pool of Alberta's Web site (www.powerpool.ab.ca) every Tuesday by Alberta's Market Surveillance Administrator to report on key market indicators and weekly trends in Alberta's evolving electricity market.

Alberta's Market Surveillance Administrator (MSA) is in place to monitor Alberta's electricity market for fairness and balance in the public interest. Market Surveillance keeps a close watch on the overall performance of Alberta's electricity market - checking that it operates fairly, efficiently and in an openly competitive manner.

The Market Surveillance Administrator, who is a member of the Power Pool Council, monitors market activity, investigates complaints and makes recommendations to the Council such as changes to rules and procedures. The goal is to assess which aspects of the market are working well and determine where changes are needed - to address issues before they reach the formal complaint stage. That involves keeping an eye on the behaviour of all market participants to make sure rules are followed and actions are competitive and above board.

All electricity prices are quoted in Canadian dollars per megawatt hour (MWh)

WEEKLY HIGHLIGHTS

- The week of January 5 saw an increase in pool price volatility, as the standard deviation of pool price moved above the four-week moving average value.
- Pool price reached a high of \$999.99 at hour ending (HE) 18 on January 10. The weekly high in the previous week was \$201.86.
- Pool price remained at or below \$100 approximately 86 percent of the time last week (see weekly price duration curve, page 2).
- The average pool price for the week increased by \$39.09 to \$74.29 from last week's average of \$35.20.
- The year-to-date (YTD) average pool price was \$59.79 as of January 11.
- On-peak prices averaged \$95.56 last week, increasing from the previous week's average of \$37.50. Average off-peak prices increased to \$45.93, compared to \$32.14 for the prior week.
- Loads increased 0.8 percent last week from the previous week, as the total volume of energy traded was 1,230,825 MWh compared to 1,221,059 MWh a week earlier.
- The maximum hourly load last week was 8,249 MW in HE 18 on January 9, with a price of \$144.51. The previous week's highest hourly load was 8,421 MW set on December 30 at a price of \$69.84. The minimum hourly load was 6,353 MW in HE 04 on January 08, at a price of \$10.19.

WESTERN MARKET SNAPSHOT

- Average on-peak prices for other market areas were mixed compared to the previous week. Electricity prices are quoted in \$CDN/MWh at an exchange rate of \$1.5467. Mid-Columbia (Mid-C) averaged \$58.95, compared to \$57.28 for the previous week. California/Oregon Border (COB) averaged \$62.67, compared to \$60.75 for the previous week, while Palo Verde (PV) averaged \$59.95, compared to \$62.80 for the week before. Mid-Continent Area Power Pool (MAPP North) averaged \$45.88, compared to \$34.38 for the previous week. At North Path 15 in California (NP 15) prices averaged \$66.01, compared to \$67.00 for the week before. (see weekly market hub graph page 5)

NATURAL GAS MARKET SNAPSHOT

- The Alberta natural gas closing price recorded on Friday, January 10 was \$6.26 per gigajoule (GJ), increasing from the previous Friday's closing price of \$6.18/GJ.
- On-peak spark spreads were mixed last week. (See spark spreads chart, page 4).

CONTACT US

Alberta's Market Surveillance Team

Tom Cumming
Market Surveillance Administrator
403-233-4682

tom.cumming@powerpool.ab.ca

W.W. (Wayne) Silk
Director Market Surveillance
403-543-0387

wayne.silk@powerpool.ab.ca

Douglas Wilson

Legal Counsel

403-538-3445

douglas.wilson@powerpool.ab.ca

Mike Nozdryn-Plotnicki

Manager, Market Monitoring

403-705-8503

mike.nozdryn-plotnicki@powerpool.ab.ca

Robert Spragins

Manager Investigations

403-705-3195

robert.spragins@powerpool.ab.ca

Doug Doll

Analyst

403-233-6497

doug.doll@powerpool.ab.ca

Chris Joy

Analyst

403-233-6418

chris.joy@powerpool.ab.ca

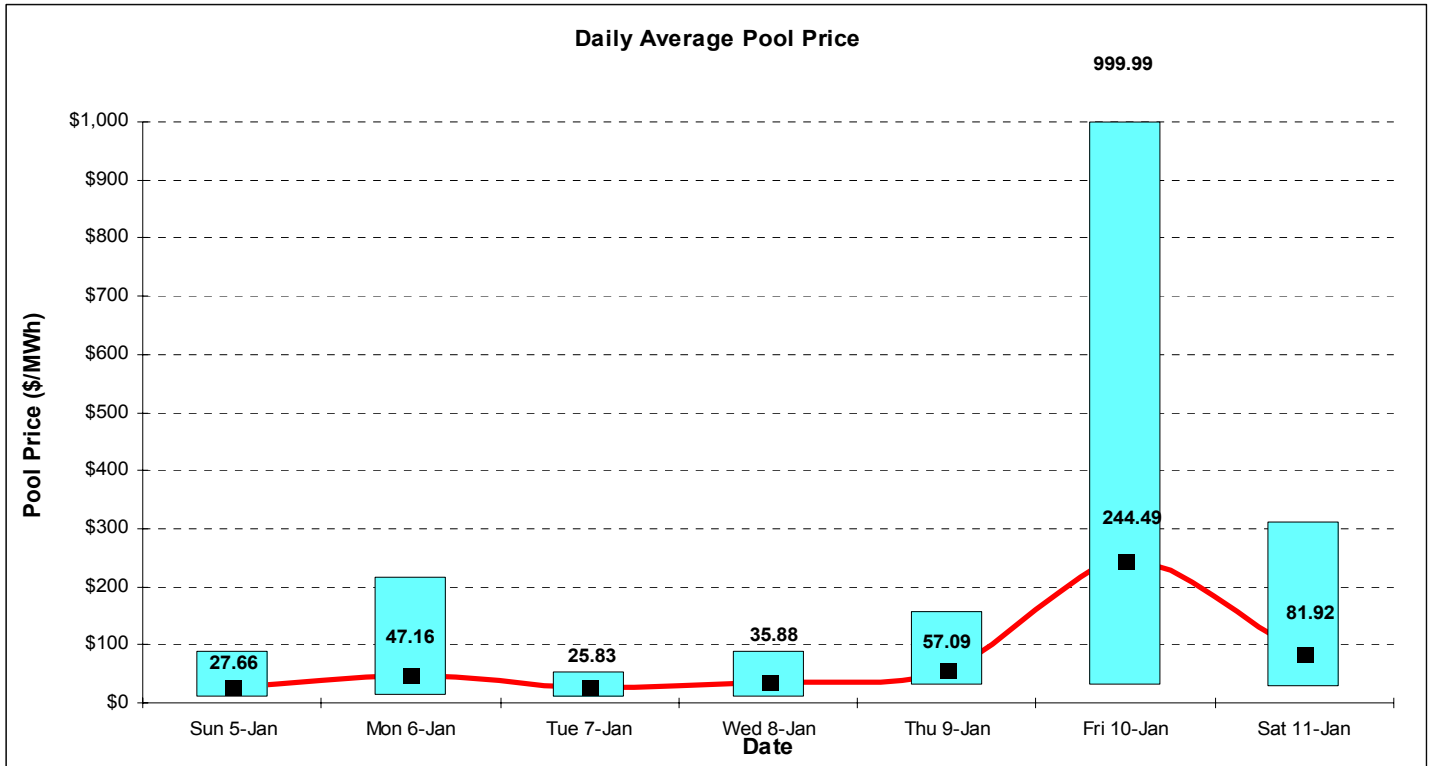
Bethan Kirkpatrick

Analyst

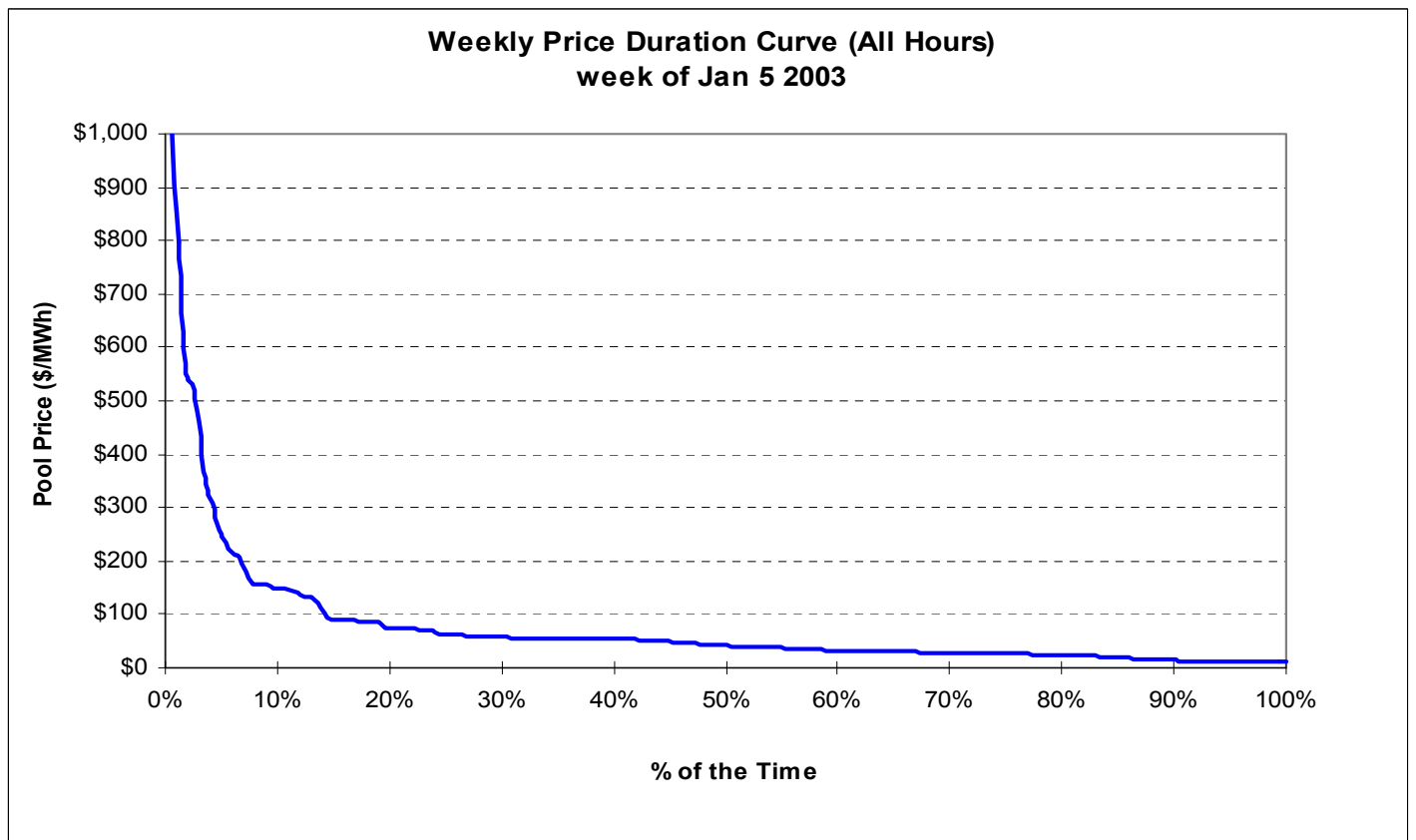
403-705-3191

bethan.kirkpatrick@powerpool.ab.ca

KEY WEEKLY MARKET STATISTICS

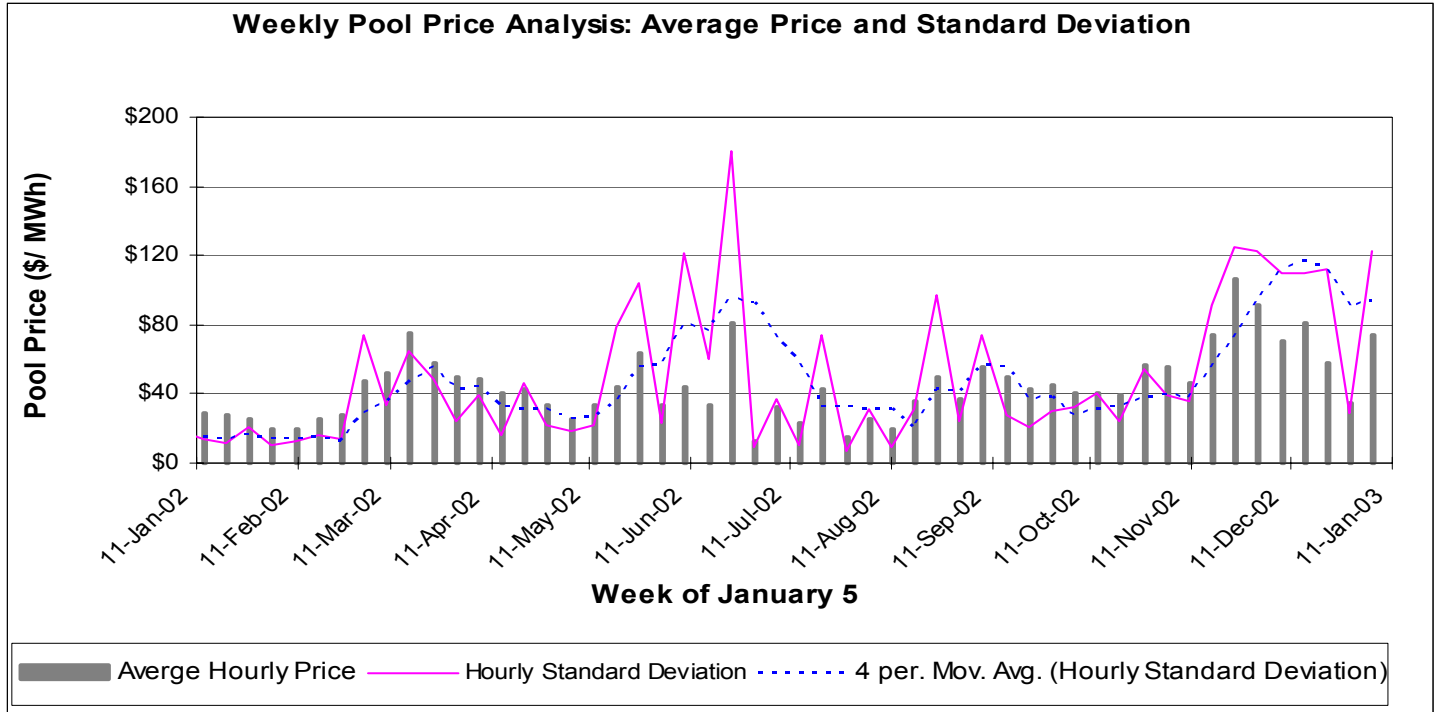


The solid bars illustrate the range from minimum to maximum price.

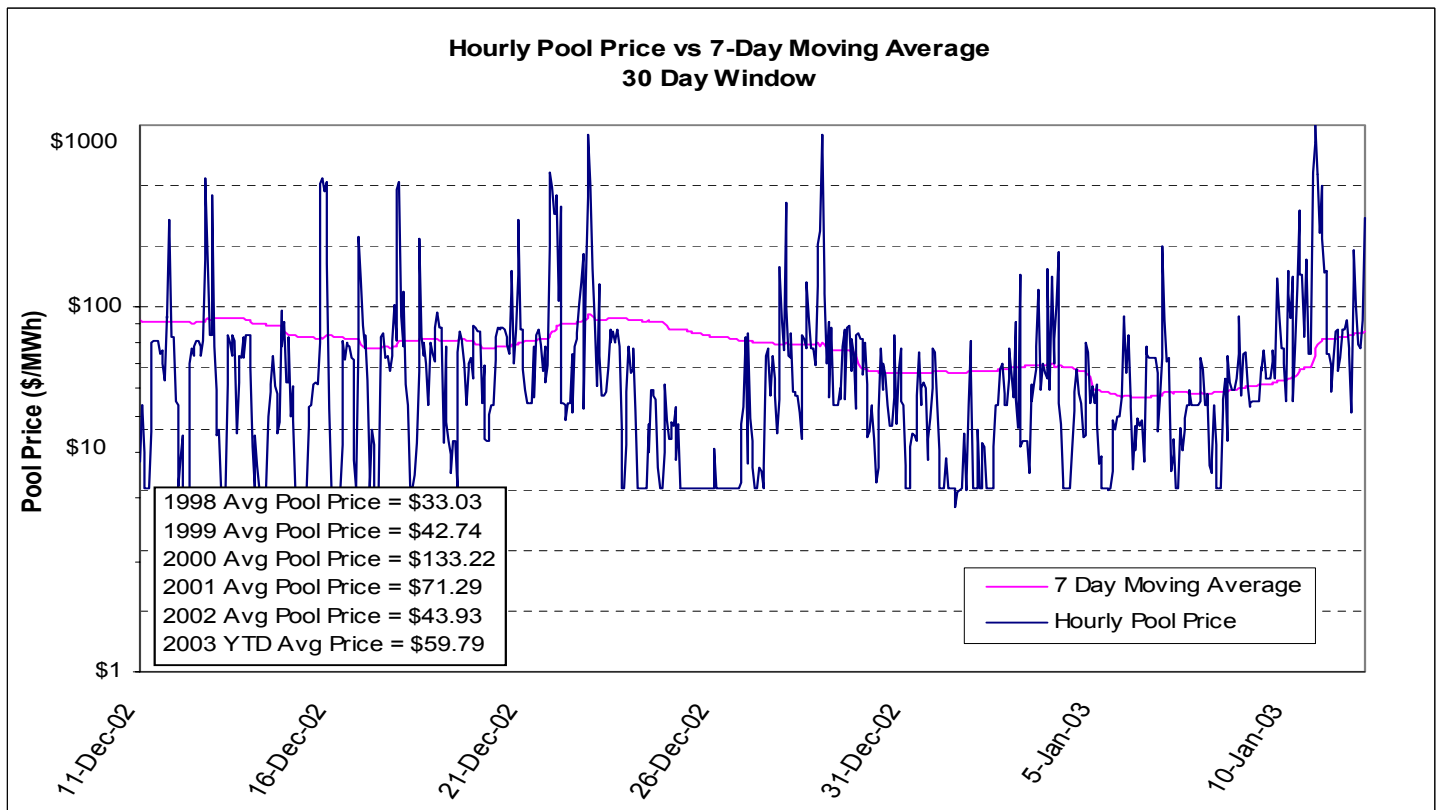


This weekly price duration curve illustrates the percentage of time that prices were at, or above, a given value. For a selected price (vertical axis), the curve yields the percentage of time that the price was equaled or exceeded (horizontal axis).

KEY WEEKLY MARKET STATISTICS

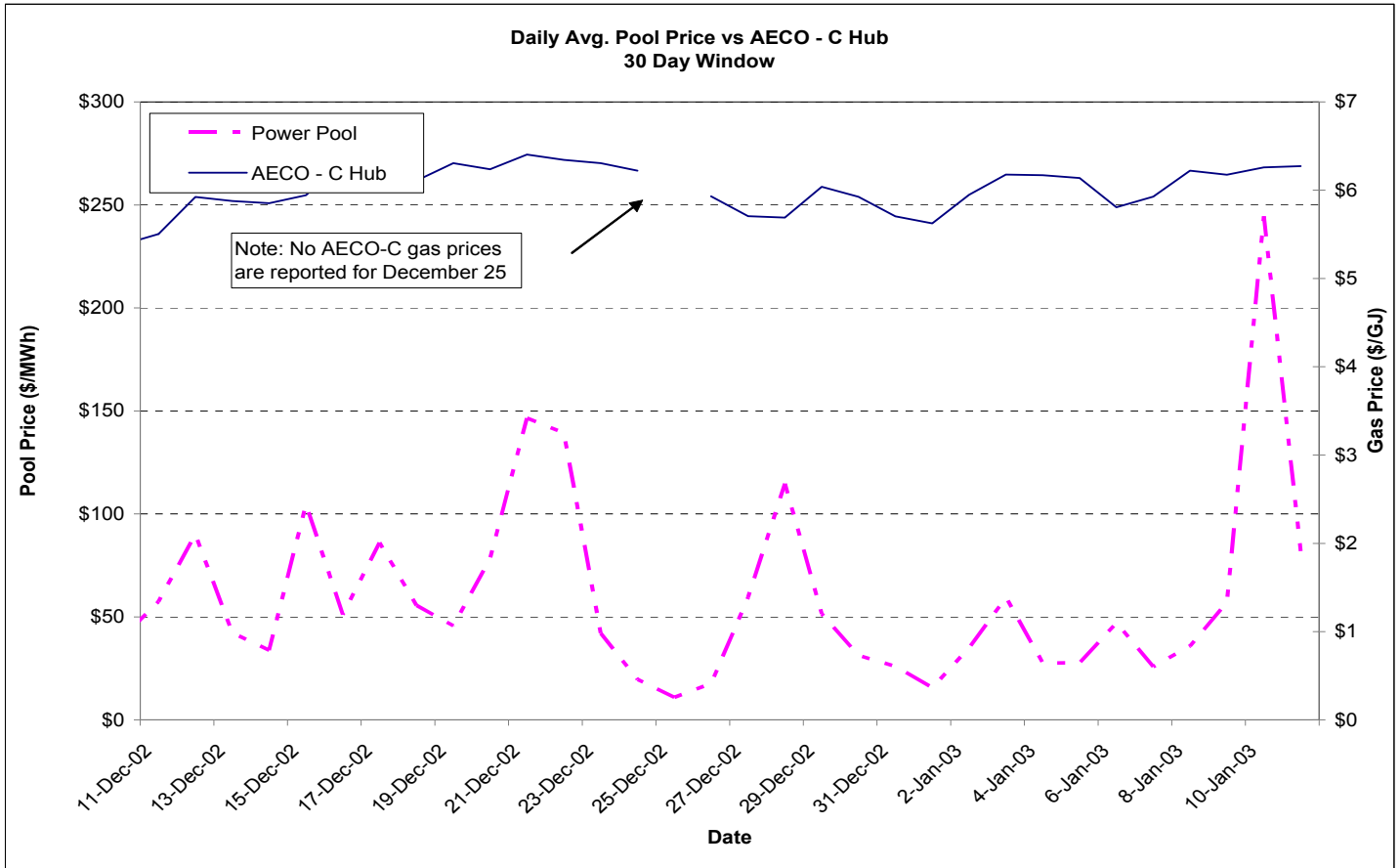


This chart illustrates the average weekly pool prices for the past year, as well as the standard deviation of the hourly pool prices in each week and the four-week moving average standard deviation of pool prices. The standard deviation of pool prices is a measure of the volatility and the four-week moving average is useful in identifying trends in this volatility.



This chart provides a rolling 30-day view of the hourly pool price together with the 7-day moving average. The moving average is useful in identifying trends over the period.

KEY WEEKLY MARKET STATISTICS



This chart provides a rolling 30-day view of average daily pool prices and intra-Alberta gas prices (AECO-C Hub). It illustrates the correlation between the pool price for electricity and the price of gas.

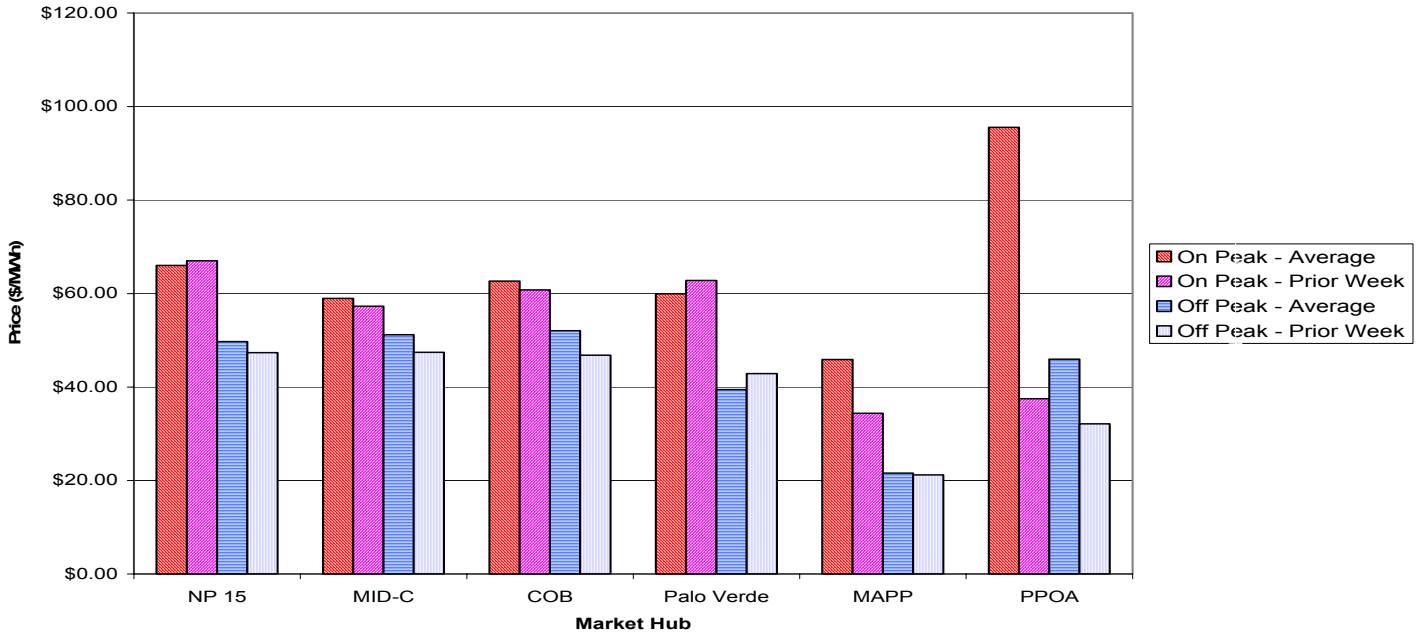
Daily Spark Spreads

These spark spreads (in \$/MWh) compare the cost of generating power using a gas turbine at various thermal efficiencies (GJ/MWh) with the cost of buying power from the grid. The \$/GJ column is based on weighted average daily spot gas prices at Aeco-C, while the \$/MWh column is based on the Power Pool of Alberta daily average pool price. A positive spread indicates that it is economical to buy gas, while a negative spread indicates that it is economical to buy power from the grid.

Date	\$/GJ	(all hrs) \$/MWh	(on peak)			\$/MWh	(off peak)			\$/MWh	(on peak)		
			8 GJ/MWh	9 GJ/MWh	10 GJ/MWh		8 GJ/MWh	9 GJ/MWh	10 GJ/MWh				
5-Jan-03	6.14	27.66	(21.45)	(27.58)	(33.72)	N/A	N/A	N/a	N/A	27.66	(21.45)	(27.58)	(33.72)
6-Jan-03	5.81	47.16	0.71	(5.09)	(10.90)	58.18	11.73	5.93	0.12	25.12	(21.33)	(27.13)	(32.94)
7-Jan-03	5.93	25.83	(21.59)	(27.51)	(33.44)	31.12	(16.29)	(22.22)	(28.15)	15.24	(32.17)	(38.10)	(44.03)
8-Jan-03	6.22	35.88	(13.89)	(20.11)	(26.33)	44.54	(5.23)	(11.45)	(17.68)	18.57	(31.20)	(37.42)	(43.65)
9-Jan-03	6.18	57.09	7.69	1.51	(4.66)	61.5	12.10	5.92	(0.25)	48.27	(1.13)	(7.31)	(13.48)
10-Jan-03	6.26	244.49	194.43	188.17	181.91	299.11	249.04	242.79	236.53	135.26	85.19	78.94	72.68
11-Jan-03	6.27	81.92	31.74	25.46	19.19	78.89	28.71	22.43	16.16	87.97	37.79	31.51	25.24

KEY WEEKLY MARKET STATISTICS

Weekly Market Hub Report for January 5 - January 11, 2003



This chart illustrates a comparison between the current and previous weekly average on-peak, and off-peak prices for the given hubs. Note all prices are quoted in Canadian dollars per megawatt hour (MWh).