

# POWER MARKET UPDATE



## FORWARD PRICES TABLE (INDICATIVE AS OF MAY 1<sup>ST</sup>, 2024)

	Flat 7x24 (\$/MWh)	AB - 7x16 On Peak (\$/MWh)	AB - 7x8 Off-Peak (\$/MWh)	AECO Gas (\$/GJ)	Heat Rate
BoM	\$46.45	\$54.75	\$29.80	\$1.72	27.08455
June	\$52.25	\$62.63	\$31.50	\$1.13	46.33735
BoY	\$58.50	\$67.46	\$40.54	\$1.72	34.09091
2025	\$56.50	\$64.29	\$40.95	\$3.07	18.38594
2026	\$56.20	\$64.94	\$38.70	\$3.61	15.57866
2027	\$58.20	\$68.30	\$38.00	\$3.62	16.06936

All prices are indicative as of May 1<sup>st</sup>, 2024 For Firm power price quotes please contact TC Energy's Power Marketing team. See contacts on the last page.

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## ALBERTA MARKET RECAP – APRIL 2024

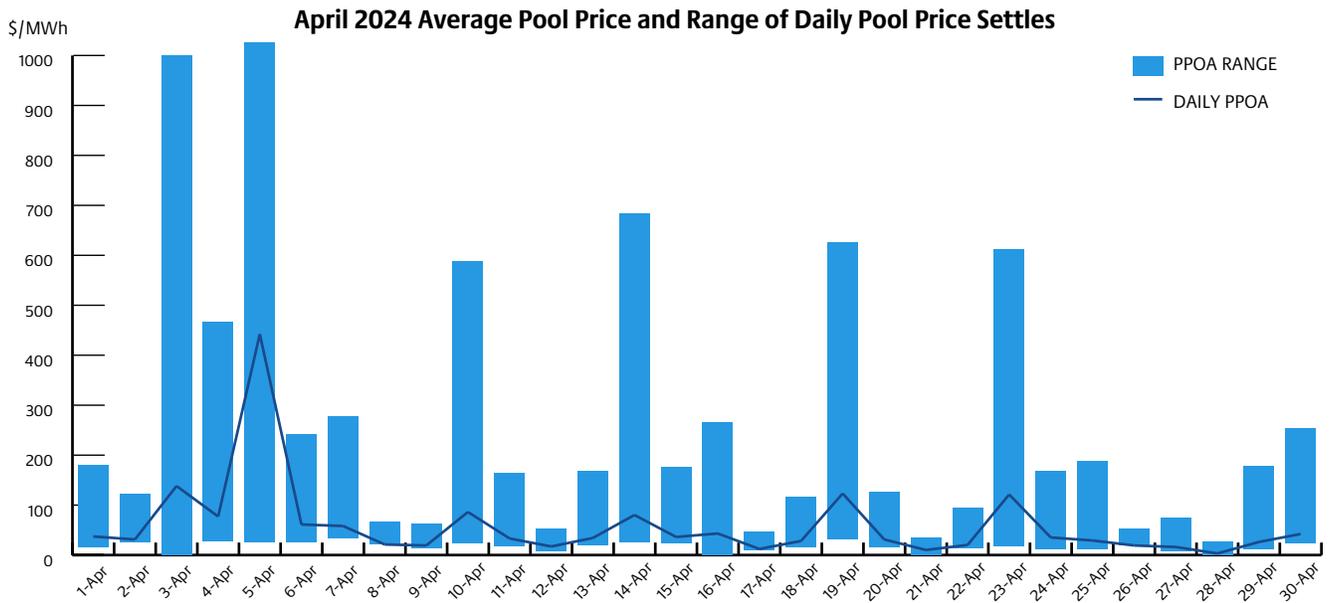
April 2024 settled at \$68.61/MWh, representing a 52% decrease from April 2023's settle of \$142.34/MWh and 9% increase from March's settle of \$63.13/MWh. The maximum pool price was \$999.99/MWh in April, compared to \$923.05/MWh in March. The average price between the on-peak and off-peak for April differed by \$25.39/MWh, resulting in on-peak and off-peak price settles of \$77.08/MWh and \$51.69/MWh, respectively. April forwards settled between \$77.50 and \$82.25, 30 days preceding the month.

April 2024 had four triple digit daily settles, occurring on April 3rd, 5th, 19th, and 23rd ranging from a 'low' of \$131.96/MWh to a 'high' of \$453.23/MWh. The month saw 79 hours settle above \$100/MWh, with the SMP peaking at the market cap of \$999.99/MWh on two days, first on April 3rd during HE 21 and again on April 5th from HE 8 through HE 11.

April 5th saw the highest daily average, on-peak, and off-peak price settles of \$453.23/MWh, \$529.04/MWh, and \$301.63/MWh, respectively. On this day, the spot price reached the market cap of \$999.99/MWh for several hours in the morning and the AESO had to declare an Energy Emergency Alert 3 (06:49 through 11:00), which prompted brief rotation outages across the province. The supply shortfall was primarily driven by several large thermal generation outages (forced and planned) and a grossly over-stated wind forecast. Alberta Internal Load (AIL) averaged 9,774 MW, slightly higher than monthly average. Daily average wind generation was the

second-lowest for the month, with a capacity factor of 14% compared to 42% monthly average. Similarly, daily average solar generation was also relatively low, with a capacity factor of 11% compared to monthly average of 25%. Daily gas and coal availability factors were 58% and 80%, respectively, contributing to over 5,500 MW of outages in the province. Alberta was a net importer for the entire day, with an average of 584 MW/h collectively flowing from the BC, SK and MATL interties.

April 28th saw the lowest daily average, on-peak and off-peak price settles of \$13.94/MWh, \$13.98/MWh and \$13.88/MWh respectively. On this day, AIL averaged 9,420 MW, which was 277 MW lower than the monthly average. Daily average wind generation was the fourth-highest for the month, with a capacity factor of 63%, supplying almost a third of the demand in the province. Solar generation also outperformed with a capacity factor of 32%. Thermal generation outages in the province resulted in 72% gas availability factor and 50% coal availability factor. Alberta was a net exporter for the entire day, with majority of the outflows going through the BC intertie, averaging 619 MW/h during the on-peak and 635 MW/h during the off-peak.

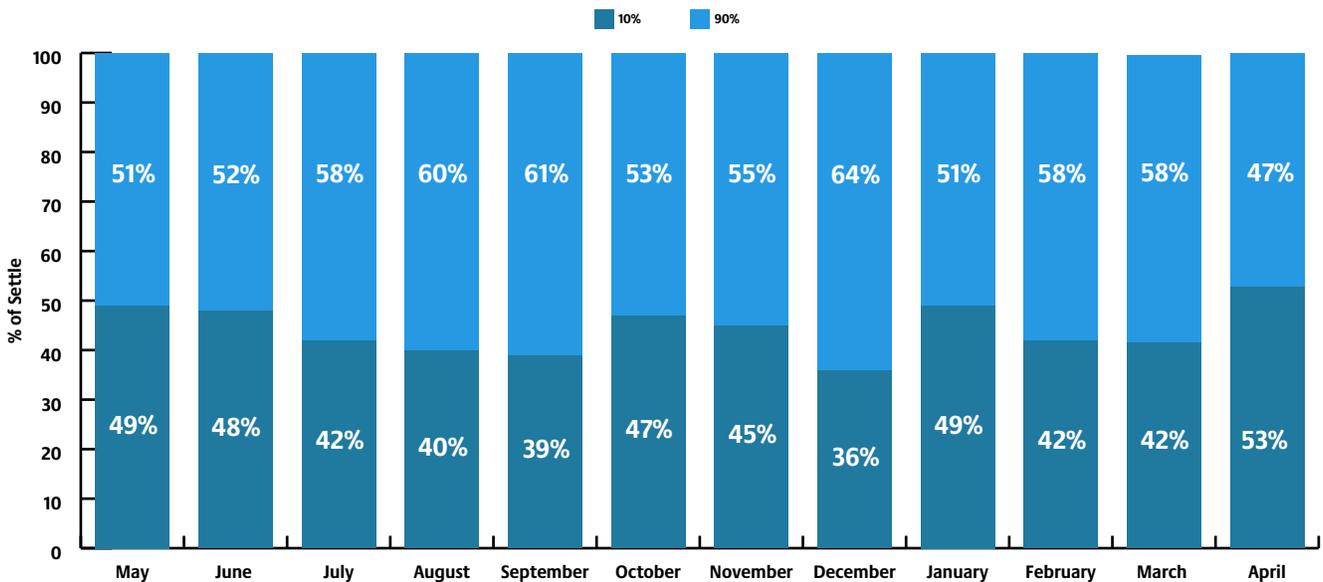


Average AIL for the month was 9,697 MW, with hourly peak load hitting 10,502 MW on April 18th HE 11. This represents a 3.3% increase from April 2023's average AIL of 9,387 MW and a 4.2% increase from its hourly peak load of 10,074 MW.

The weighted average temperature across the province for April was 5.42°C representing a 0.46°C increase from last April when the average was 4.97°C. April 2024 temperatures in Alberta ranged from a high of 23°C in Medicine Hat on April 24th HE 16 to a low of -11°C in Fort McMurray on April 19th HE 6-7.

The top 10% of high-priced hours for April averaged \$365.43/MWh, contributing 53% to the monthly settle, while the bottom 90% of hours averaged \$35.63/MWh.

### Hours contributing to monthly average price



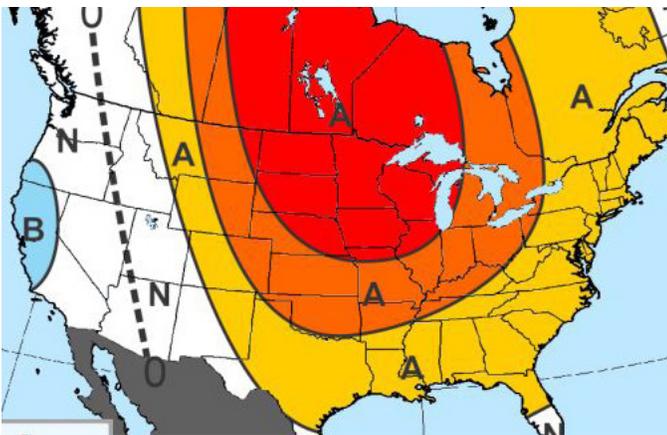


# MAXAR'S 30-60 DAY OUTLOOK

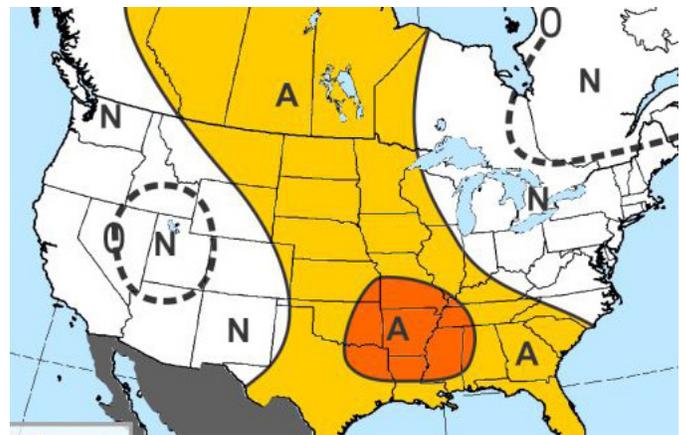
Maxar's final pre-month outlook for May underwent significant warm changes with widespread aboves now projected from the Rockies to the East, warmest versus normal in the Central US. The result was a net TDD (Total Degree Days) loss, with the updated forecast of 140 PWCDDs (Population-Weighted Heating Degree Days) ranking 9th-highest since 1950 while the forecast of 110 GWHDDs (Gas-Weighted Heating Degree Days) ranks 3rd-lowest. Aboves are widespread during the first half of the month in particular, supported by the global models and the -GLAAM (Global atmospheric angular momentum) and -QBO (Quasi-Biennial Oscillation) background state. Analogs for years which trended away from strong El Niño are also supportive of warmth in the Midwest to Northeast but suggest cooler risks in the West.

June remains unchanged with aboves across the Plains, Midwest, and South while near normal in the West and Northeast. The resulting 270 PWCDDs would rank 10th hottest since 1950. The forecast is influenced by the +AMO (Atlantic Multidecadal Oscillation) and warm west-tropical Pacific sea surface temperatures. ENSO (El Niño-Southern Oscillation) carries less influence as the signal trends away from El Niño and toward La Niña. Climate trends are also considered, with four of the Top 5 hottest Junes since 1950 per PWCDDs having occurred since 2016. The CFS (Climate Forecast System) monthly model is additionally warmer, projecting widespread aboves for all of the US except the Southwest.

May 2024



June 2024



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