



Forward prices table (indicative as of February 2nd, 2023)

	Flat 7x24 (\$/MWh)	AB - 7x16 On Peak (\$/MWh)	AB - 7x8 Off-Peak (\$/MWh)	AECO Gas (\$/GJ)	Heat Rate
BoM	\$159.78	\$191.21	\$96.91	\$2.77	57.68231
March	\$145.50	\$181.46	\$73.00	\$2.74	53.10219
BoY	\$129.84	\$160.31	\$68.90	\$2.71	47.91144
2024	\$94.46	\$114.19	\$55.00	\$3.08	30.66883
2025	\$81.00	\$96.50	\$50.00	\$3.52	23.01136
2026	\$76.00	\$89.00	\$50.00	\$3.77	20.15915

All prices are indicative as of February 2nd, 2023. 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 – January 2023

January 2023 settled at \$126.13/MWh, representing a 39% increase from January 2022's settle of \$90.81/MWh, and a 60% decrease from last month's settle of \$311.73/MWh. The maximum pool price was \$956.52/MWh for January, lower than the multiple pool price settles of \$999.99/MWh in December. The average price between the on-peak and off-peak for January differed by \$58.90/MWh, resulting in on-peak and off-peak prices of \$145.76/MWh and \$86.86/MWh, respectively. January forwards traded between \$250 and \$345, 30 days preceding the month.

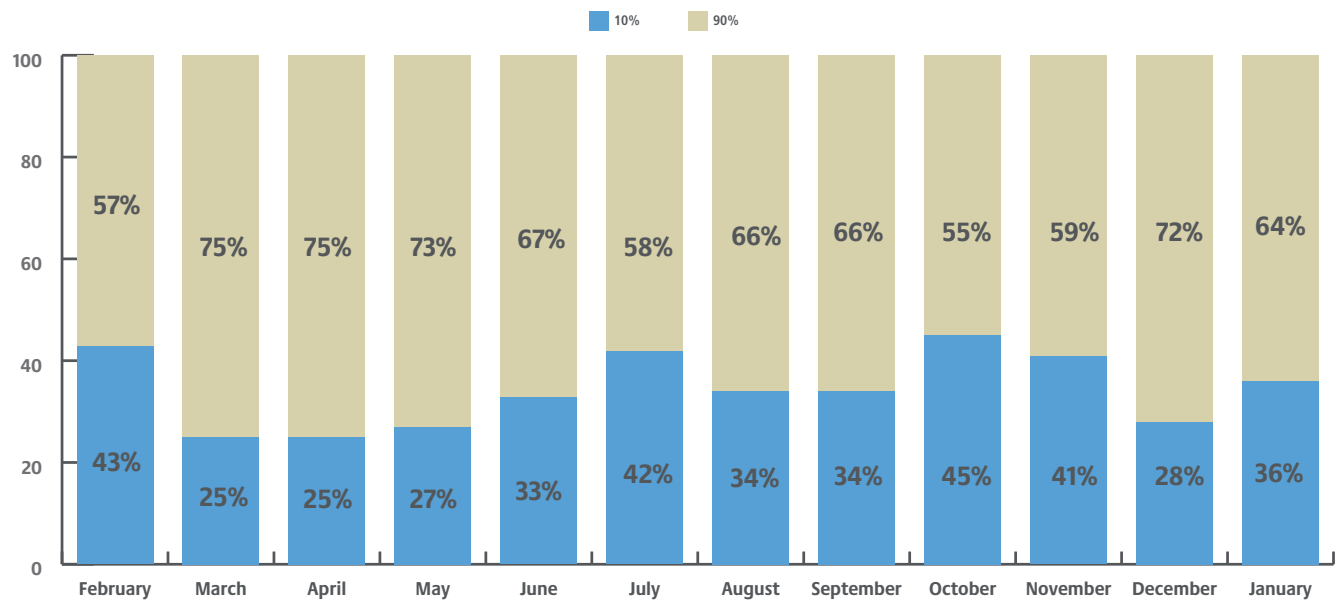
January 2023 had 17 triple digit daily settles, occurring on January 2nd-6th, 9th-12th, 14th-17th, 19th, 24th-25th, and 27th, ranging from a 'low' of \$100.89/MWh on January 3rd to a 'high' of \$285.38/MWh on January 10th. The month saw 216 hours settle above \$100/MWh, with the SMP peaking at \$956.52/MWh on January 9th HE (Hour Ending) 18.

January 10th saw the highest daily average and on-peak price settles of \$285.38/MWh and \$358.67/MWh, respectively, while January 5th saw the highest off-peak

price settle of \$239.01/MWh. On January 10th, triple digit price settles were sustained from HE 6-9 and HE 14-24, primarily driven by highly variable renewable generation. Wind generation fluctuated between 87 MW and 1,203 MW and averaged 710 MW for the day or 20% of its maximum capability, while solar generation's capacity factor was 10%. The load profile was robust, averaging at 10,567 MW and peaking at 11,299 MW, despite lower-than-average temperatures. Intertie activity was sporadic for bulk of the day, except for HE 17-22 when imports reached full capacity. Major thermal derates and outages, such as Keephills 1, pushed gas availability down to 75.8% which limited the supply cushion and further contributed to the price volatility observed on January 10th. On January 5th, off-peak power prices were highly volatile due to a sudden decline in wind generation, the Calgary Energy Centre outage, net exports all hours of the night, and cold temperatures reaching -17°C driving a robust load profile.

Conversely, January 23rd saw the lowest average and on-peak price settles of \$63.99/MWh and \$65.29/MWh, respectively, while January 26th saw the lowest off-peak price settle of \$45.32/MWh. January 23rd saw ample renewable generation providing a healthy supply cushion in the market and limiting price volatility, notwithstanding the province remaining a strong net exporter all day, flowing out an average of 650 MW per hour during on-peak hours. Wind generation produced the highest amount for the month, averaging at 1,976 MW or 55% capacity factor. January 26th saw the second highest daily average of wind generation for the month, averaging at 1,769 MW or 49% capacity factor.

Hours contributing to monthly average price



The top 10% of high-priced hours for January averaged \$445.42/MWh, contributing 36% to the monthly settle, while the bottom 90% of hours averaged \$/MWh.

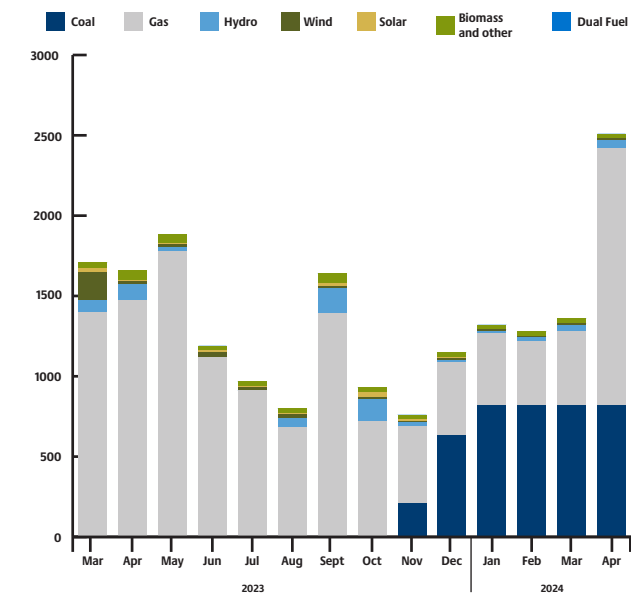
Average Alberta Internal Load (AIL) for the month was 10,387 MW, with hourly peak load hitting 11,290 MW on January 27th HE18. This represents a 1.2% decrease from January 2022’s average AIL of 10,512 MW and a 5.4% decrease from its hourly peak load of 11,939 MW.

The weighted average temperature across the province for January was -6.35°C representing a 3.23°C increase from last January when the average was -9.58°C. January 2023 temperatures in Alberta ranged from a high of 10°C in Lethbridge on January 13th HE 14-15 to a low of -28°C seen in Fort McMurray on January 29th HE 4-6.

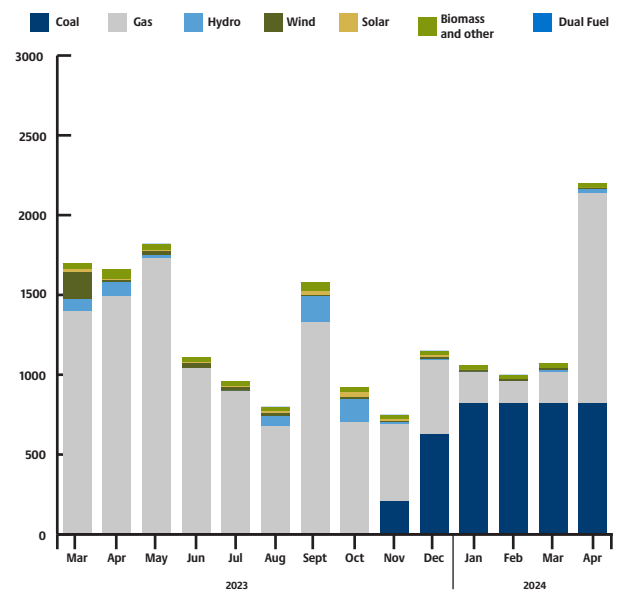
Monthly outages

Since last month's outage report, there has been noteworthy changes in gas outages. Gas outages increased by 80 MW in June 2023, and more notably by 250 MW in January 2024, 260 MW in February and March 2024, and 280 MW in April 2024.

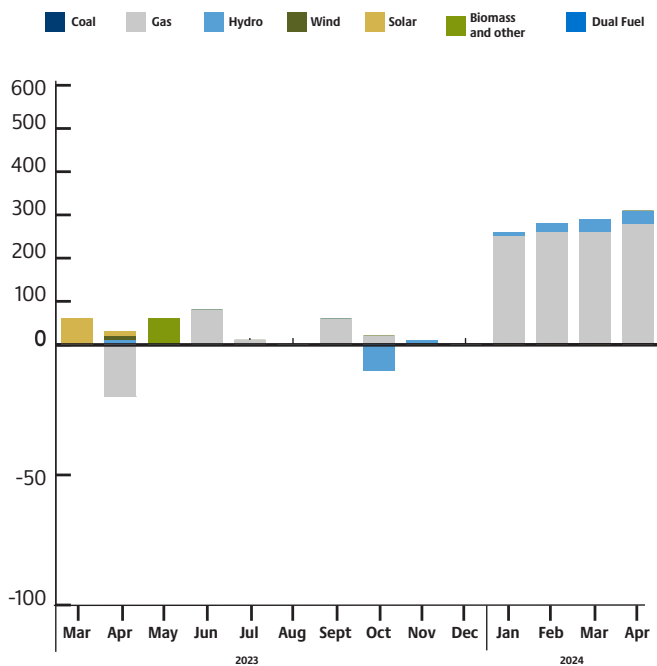
AESO monthly outages (as of February 2023)



AESO monthly outages (January 2023)



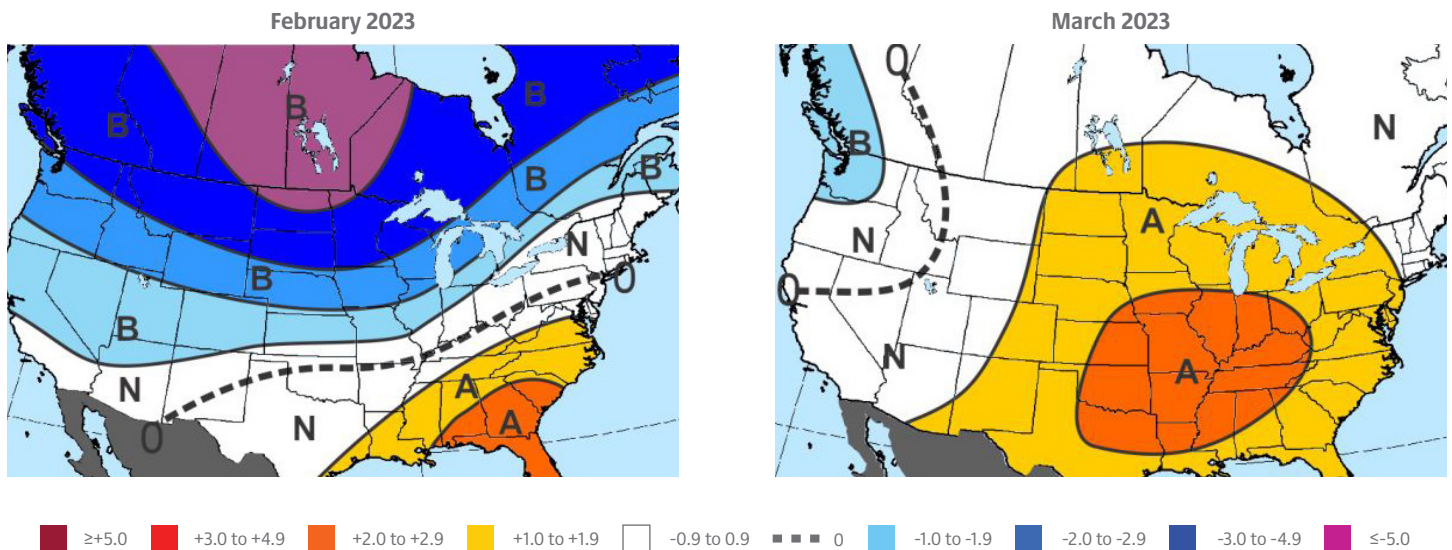
Month-over-month change in outages
(February 2023 over January 2023)



Maxar's 30-60 day outlook

Maxar's final 30-Day outlook for February undergoes significant cold changes with belows spanning much of the West and Central US while aboves hold over the Southeast. This comes as the month begins with an arctic airmass descending into the Western and Central US before moderating as it spreads eastward. A +NAO (North Atlantic Oscillation) signal limits the intensity and duration of cold in the East while supporting a warm South. As we head into the latter part of the month, -PDO (Pacific Decadal Oscillation) and +TNH (Tropical/Northern Hemisphere) signals support continued warmth in the South while cold is favored from the Northwest to North-Central. The updated forecast of 790 GWHDDs (Gas-Weighted Heating Degree Days) would be just the 6th February to yield more GWHDDs than January.

March remains unchanged with aboves projected from the MidContinent toward the East while belows are restricted to the Pacific Northwest. The forecast is based on influences from oceanic signals including warm west-tropical Pacific waters (expected to yield a La Niña -like response while ENSO itself trends toward neutral) and -PDO. A composite of the 20 most recent CFS (Climate Forecast System) monthly model runs agrees with the premise of a warm March but has some different spatial details with more aboves along the West Coast and less in the Midwest. The pathway for a colder outcome may be tied to eastern Pacific blocking, as occurred in analog years 2014 and 2018.



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