



TC Energy

POWER MARKET UPDATE

FORWARD PRICES TABLE (INDICATIVE AS OF MAY 1ST, 2023)

	Flat 7x24 (\$/MWh)	AB - 7x16 On Peak (\$/MWh)	AB - 7x8 Off-Peak (\$/MWh)	AECO Gas (\$/GJ)	Heat Rate
BoM	\$111.45	\$134.99	\$64.38	\$1.96	56.86224
June	\$125.25	\$154.43	\$66.90	\$1.94	64.71530
BoY	\$160.75	\$196.74	\$88.84	\$2.08	77.28365
2024	\$92.93	\$109.65	\$59.58	\$2.97	31.28956
2025	\$76.95	\$91.57	\$47.75	\$3.90	19.73077
2026	\$74.25	\$88.63	\$45.50	\$4.15	17.89157

All prices are indicative as of May 1st, 2023. For Firm power price quotes please contact TC Energy’s Power Marketing team. See contacts on the last page.

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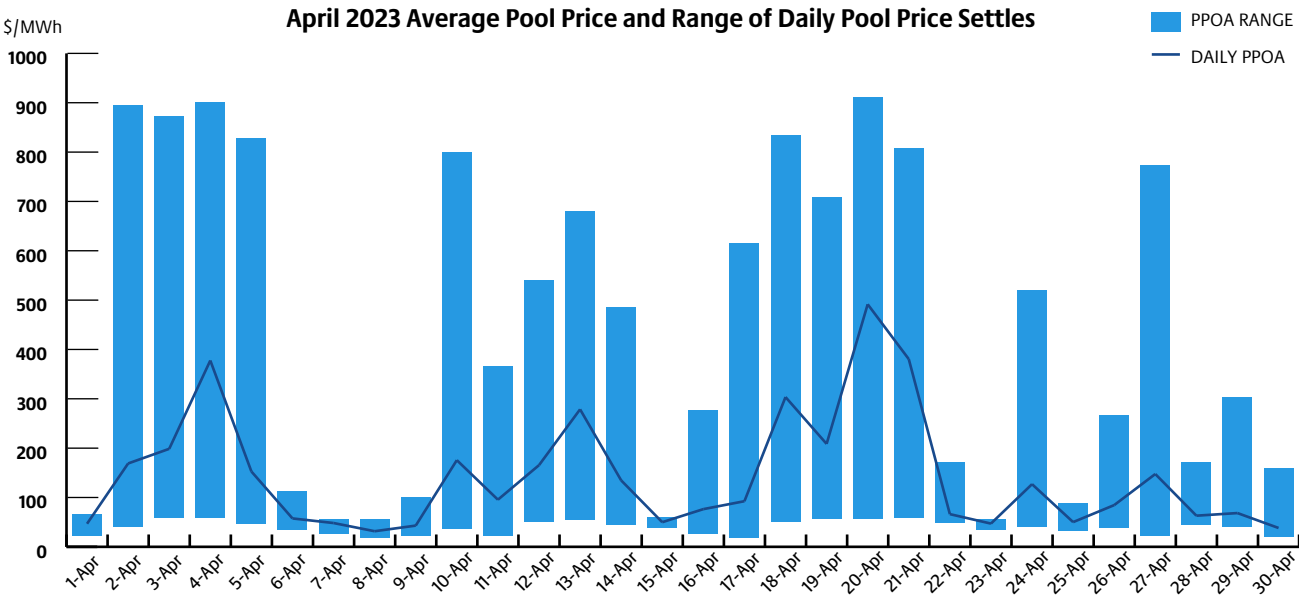
ALBERTA MARKET RECAP — APRIL 2023

April 2023 settled at \$142.34/MWh, representing at 22% increase from April 2022’s settle of \$117.14/MWh and 18% decrease from last month’s settle of \$174.63/MWh. The maximum pool price was \$912.38/MWh for April, compared to the maximum pool price settle of \$929.43/MWh in March. The average price between the on-peak and off-peak for April differed by \$31.32/MWh, resulting in on-peak and off-peak prices of \$152.78/MWh and \$121.46/MWh, respectively. April forwards traded between \$111.50 and \$126, 31 days preceding the month.

April 2023 had fourteen triple digit daily settles, occurring on April 2nd-5th, 10th, 12th-14th, 18th-21st, 24th and 27th, ranging from a ‘low’ of \$126.99/MWh on April 24th to a ‘high’ of \$491.57/MWh on April 20th. The month saw 210 hours settle above \$100/MWh, with the SMP peaking at \$955/MWh on April 20th during HE (Hour Ending) 23.

April 20th saw the highest daily average and on-peak price settles of \$491.57/MWh and \$589.96/MWh, respectively, whereas April 18th saw the highest daily off-peak price settle of \$473.63/MWh. On April 20th, limited renewable generation was observed, as capacity factors for wind and solar averaged at 6% and 12%, respectively. Multiple thermal unit outages contributed to a 70.3% gas availability factor and Genesee 1 falling offline from HE 20-24, put further pressure on the supply stack later in the day. Hourly interchange variability saw import flow totals from all three interties (AB-SK, AB-BC, AB-MATL) change considerably, ranging from 179 MW to 503 MW. On April 18th, every off-peak hour settled above \$257/MWh, primarily driven by double digit wind generation, a constrained importing intertie and reduced thermal capabilities.

Conversely, April 8th saw the lowest daily average and on-peak price settles of \$31.63/MWh and \$29.52/MWh, respectively, whereas April 30th saw the lowest daily off-peak price settle of \$29.77/MWh. On April 8th, daily average load was 9,152 MW, which was 235 MW lower than the monthly average. Renewable generation was consistently high for majority of the day, resulting in wind and solar capacity factors of 66% and 30%, respectively. There was mix of import and exports flows, with as much as 990 MW flowing out of the BC intertie and 350 MW combined flowing in from the MT and SK interties. On April 30th, off-peak wind generation averaging close to 2,000 MW was sufficient to stabilize the soft Sunday night load.

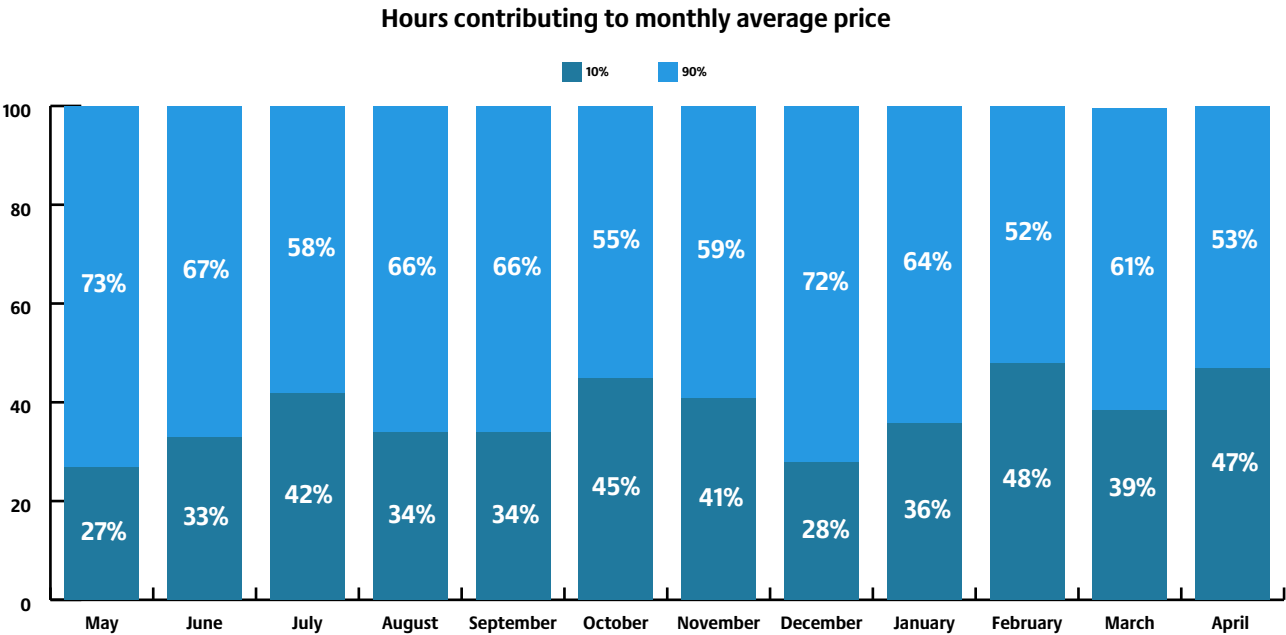


Average Alberta Internal Load (AIL) for the month was 9,387 MW, with hourly peak load hitting 10,074 MW on April 3rd HE 10. This represents a 1.8% decrease from April 2022's average AIL of 9,559 MW and a 2.4% decrease from its hourly peak load of 10,327 MW.

The weighted average temperature across the province for April was 4.97°C representing a 2.97°C increase from last April when the average was 1.99°C. April 2023 temperatures in Alberta ranged from a high of 26°C in

Grand Prairie on April 30th HE 18-20 to a low of -11°C seen in Red Deer on April 5th HE 8-9.

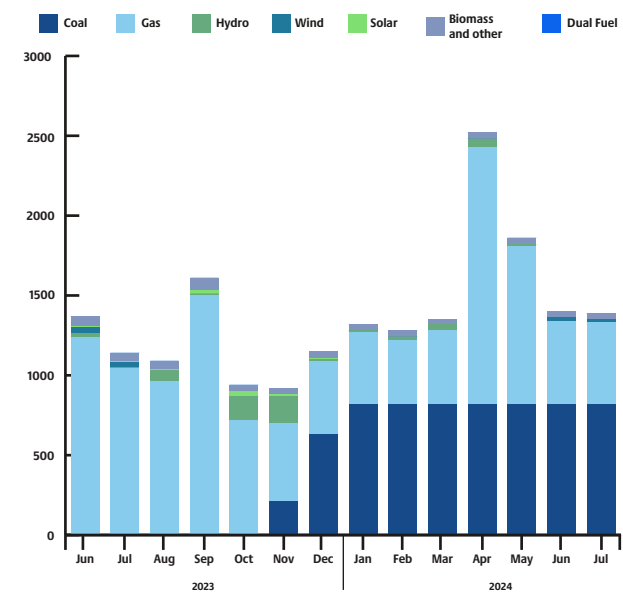
The top 10% of high-priced hours for April averaged \$683.83/MWh, contributing 47% to the monthly settle, while the bottom 90% of hours averaged \$84.63/MWh.



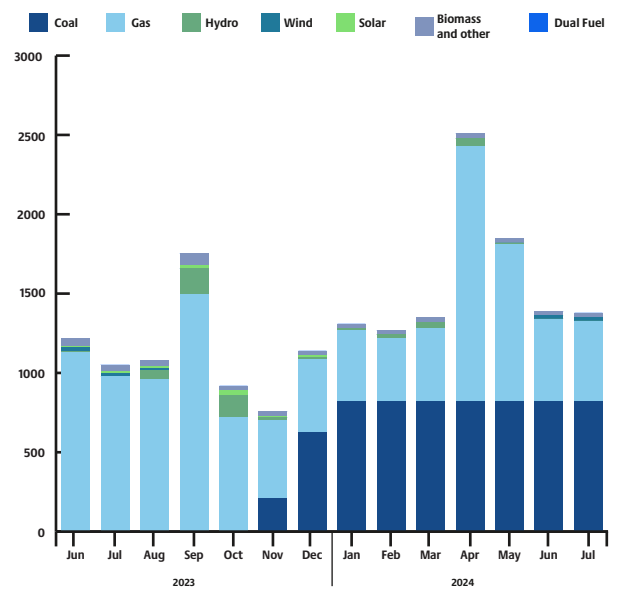
MONTHLY OUTAGES

Since last month's outage report, there has been noteworthy changes in gas and hydro outages. Gas outages increased by 110 MW in June 2023. Hydro outages decreased by 150 MW in September and increased by the same amount in November 2023.

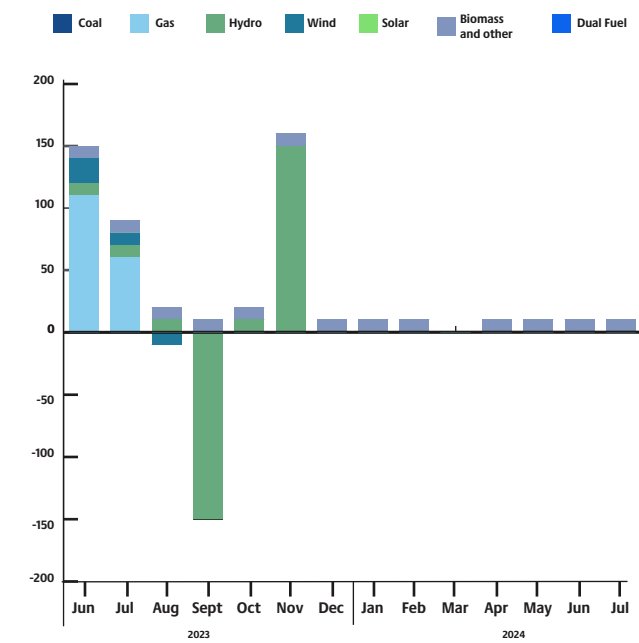
AESO monthly outages (as of May 2023)



AESO monthly outages (April 2023)



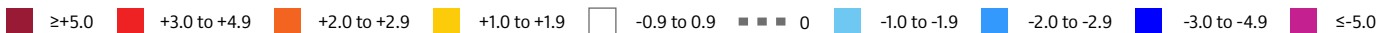
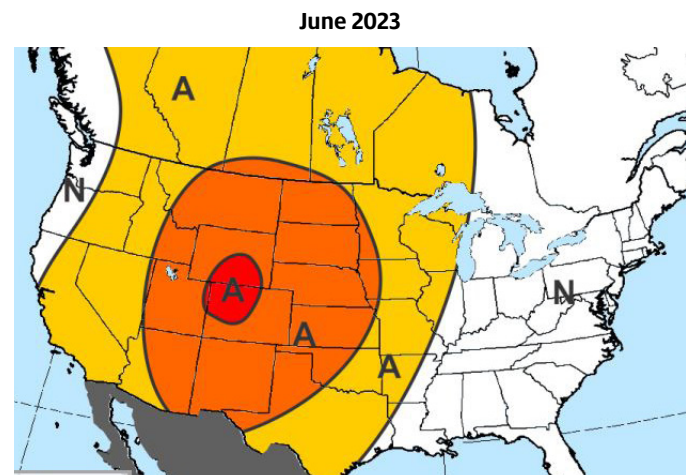
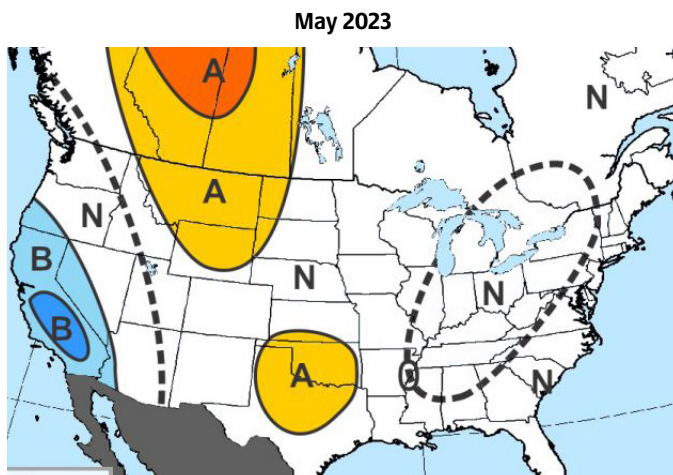
Month-over-month change in outages
(May 2023 over April 2023)



MAXAR'S 30-60 DAY OUTLOOK

Maxar's final 30-Day outlook for May has trended cooler across the eastern half and from California to the Southwest. The resulting 278 Total Degree Days is slightly above normal (10Y 273 / 30Y 272). The month begins with belows across the Eastern US and in California as troughs overhead bookend a ridge over North-Central. Heading into the latter part of the month, the forecast is based on the MJO (Madden-Julian Oscillation) being in its West Pacific phases in a +GLAAM (Global Atmospheric Angular Momentum) background state, supportive of continued belows in the Western third while carrying a slight warm correlation in the South. The CFS (Climate Forecast System) monthly model is cooler with widespread belows in the Southwest and from Texas to the Midwest, South, and East.

June is unchanged with widespread aboves in the West and Central US while near normal in the South and East. The forecast is based on warm +AMO (Atlantic Multidecadal Oscillation) and west-tropical Pacific waters as well as the -PDO (Pacific Decadal Oscillation). The West may carry some cooler risk given the lack of drought that has been seen in many of the recent hotter summers in the region. A trend toward El Niño is occurring, and only one of the last ten El Niño summers was hotter than our current June forecast (267 PWCDDs in 2015). However, factors including the SST (Sea Surface Temperatures) indicators mentioned above, an expected lesser probability of a -AO (Arctic Oscillation), and climate trends preclude any cooler changes at this time.



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