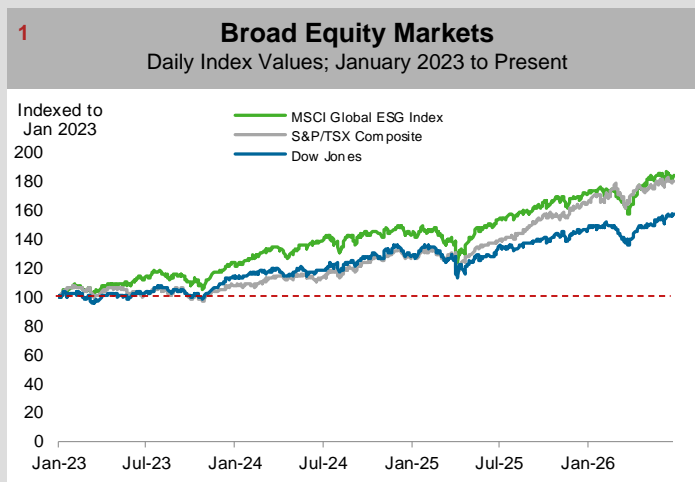




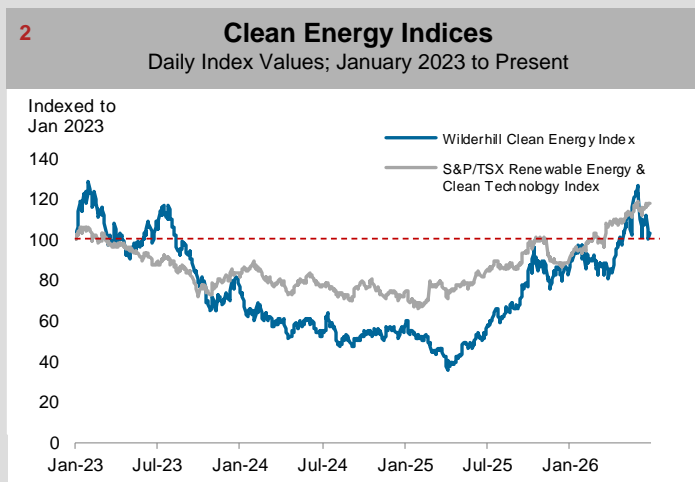
# ARC Energy Charts

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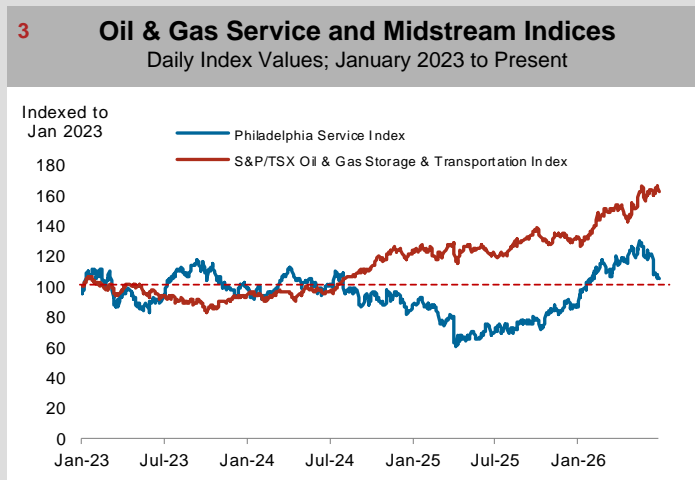
Spot WTI Crude \$US/B	Spot Henry Hub \$US/ MMBtu	Spot AESO Electricity \$/MWh	EUA Emissions (ICE) EUR/Tonne	Bloomberg Commodity Index	Currency \$US/\$Cdn
70.75 ↓	3.33 ↑	9.88 ↑	77.77 ↓	122.57 ↓	0.7037 ↓



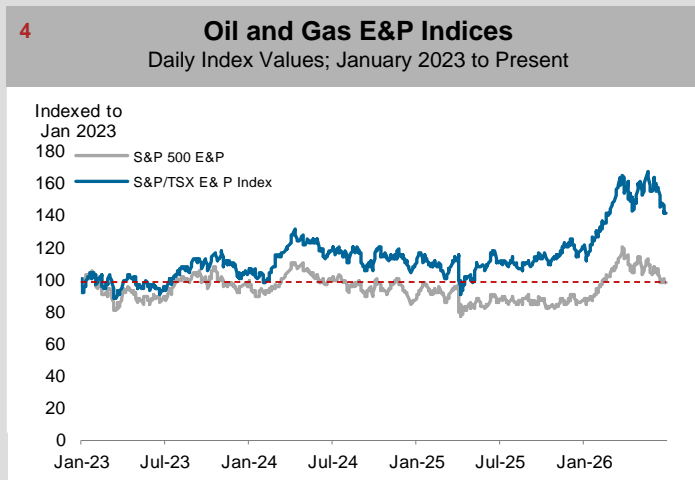
Broad market indices are one the many vital signs measuring the health of the economy. Energy demand is a function of economic health.  
Source: Bloomberg, ARC Financial Corp.



The performance of global and Canadian clean energy indices are compared against each other.  
Source: Bloomberg, ARC Financial Corp.



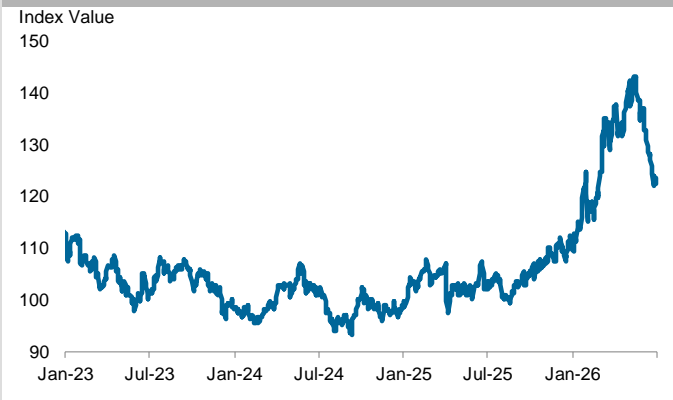
The performance of Canadian and US oilfield equities and Canadian midstream equities are compared against each other.  
Source: Bloomberg



The performance of Canadian and US oil & gas equities are compared against each other.  
Source: Bloomberg, ARC Financial Corp.

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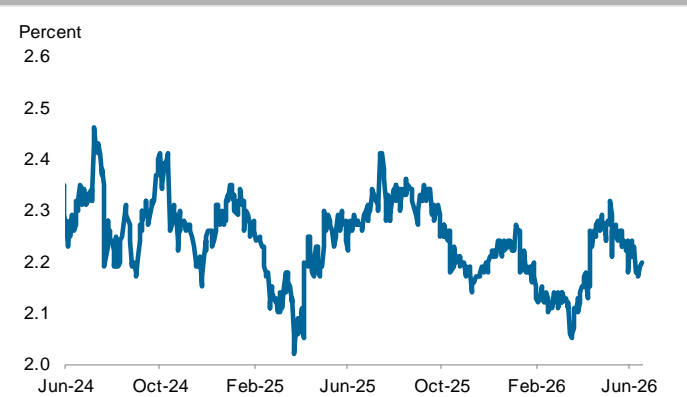
**5 Bloomberg Commodity Index**  
Daily Index Values; January 2023 to Present



BCOM is a widely tracked benchmark for the commodities market. It is composed of 23 exchange-traded contracts on physical commodities.

Source: Bloomberg

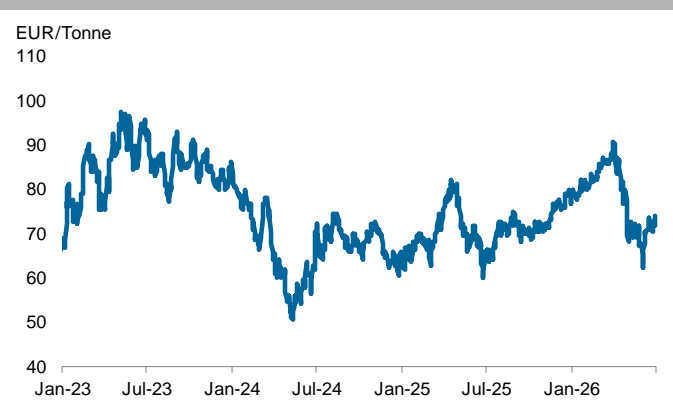
**6 5-Yr, 5-Yr Forward Inflation Expectation Rate**  
Daily; Rolling 24 Month History



This series is a measure of expected inflation (on average) over the five-year period that begins five years from today.

Source: Federal Reserve Bank of St. Louis, (FRED) Economic Data

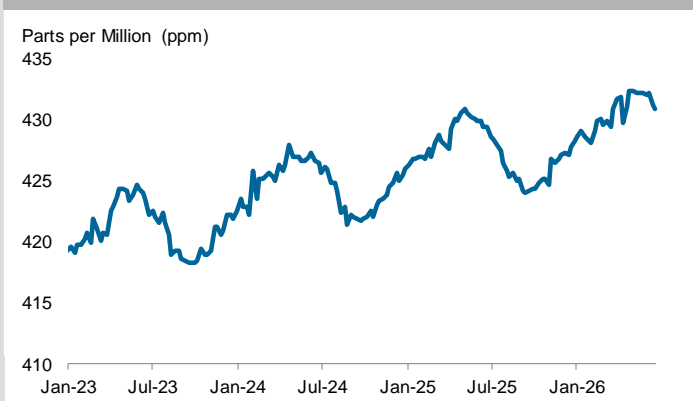
**7 CO2e Emissions: ICE EUA Futures Contract**  
Daily; January 2023 to Present



EU Allowances (EUA) are carbon credits equivalent to one tonne of CO<sub>2</sub> used in the European Union Emissions Trading Scheme (EU ETS).

Source: Bloomberg

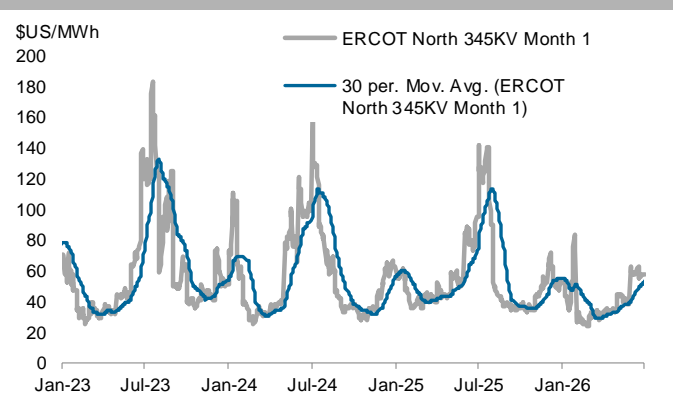
**8 Trends in Atmospheric CO<sub>2</sub>**  
Mauna Loa Weekly Average: January 2023 to Present



The carbon dioxide data on Mauna Loa constitutes the longest record of direct measurements of CO<sub>2</sub> in the atmosphere.

Source: NOAA

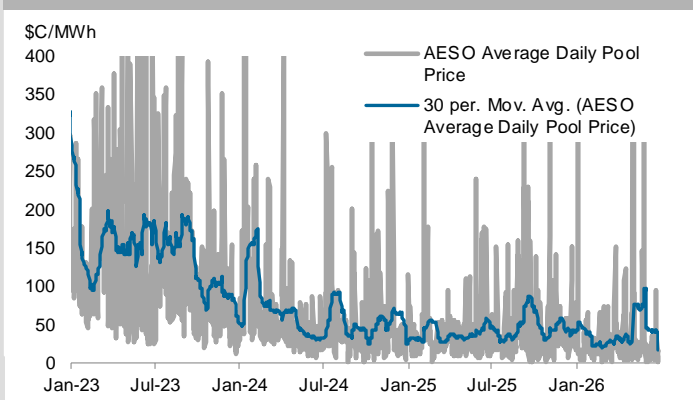
**9 Texas Electricity: ERCOT North Hub Price**  
Daily and 30-Day Average; January 2023 to Present



ERCOT is the grid operator for 90% of the electricity sold in Texas. The price shown is for the North Hub and is the wholesale price.

Source: Bloomberg

**10 Alberta Electricity: AESO Average Pool Price**  
Daily and 30-Day Average; January 2023 to Present

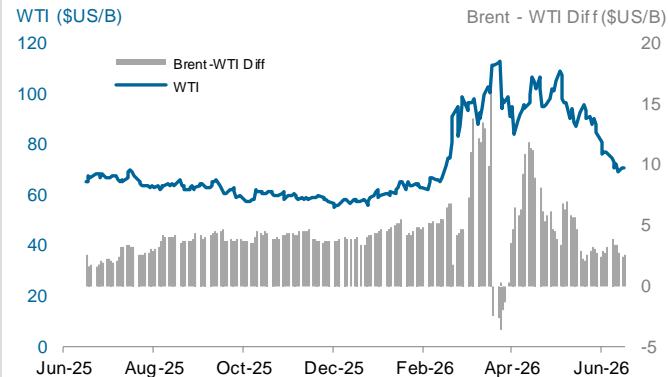


The Alberta Electric System Operator (AESO) manages and operates the provincial power grid.

Source: Bloomberg

### 11 WTI Crude Oil Price and Differential to Brent

Near-Month WTI and Brent Differential; Rolling 12-Month History

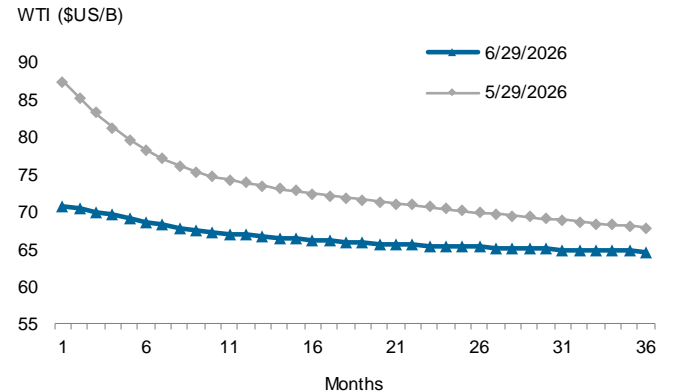


North American crude oil prices can sometimes disconnect from global prices depending on regional supply and demand dynamics.

Source: Bloomberg

### 12 US Crude Oil Futures

West Texas Intermediate (WTI), Next 36 Months

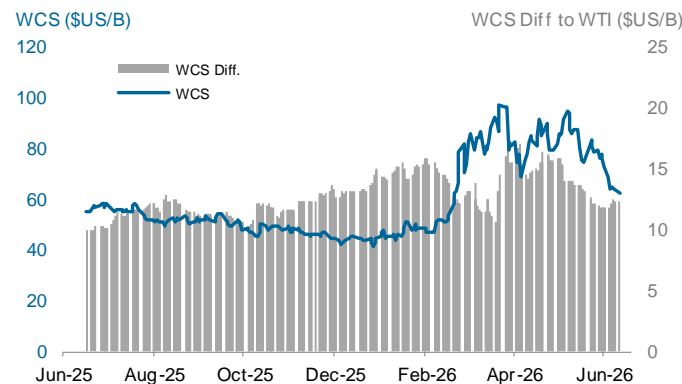


Forward prices for WTI are plotted for the next 36 contracts, and compared against the same contracts one month prior.

Source: Bloomberg

### 13 CDN Heavy Oil Price Differential to WTI

Western Canadian Select (WCS) Differential; Rolling 12-Month History

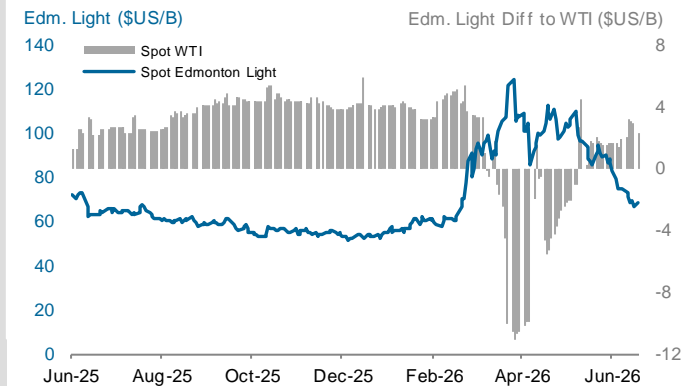


The differential should reflect quality differences and transportation costs. Greater discounts can result from infrastructure or refinery outages.

Source: Bloomberg, FactSet

### 14 CDN Light Crude Oil Price Differential to WTI

WTI and Edmonton Light differential; Rolling 12-Month History

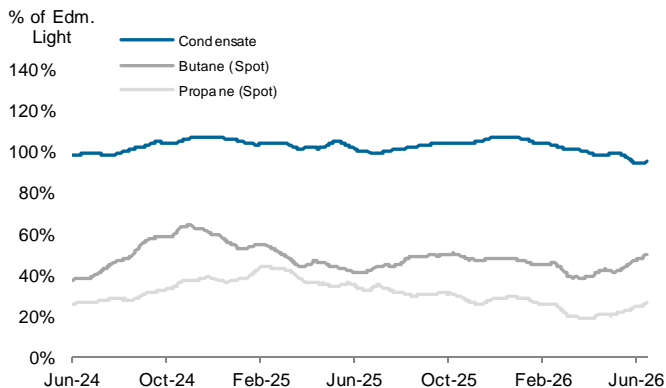


The differential should reflect the transportation cost from Alberta to Cushing. Greater discounts can result from infrastructure or refinery outages.

Source: Bloomberg, FactSet

### 15 Daily NGL Prices as a % of Edmonton Light

NGL Prices at Edmonton, AB, 10 Day Rolling Average Shown

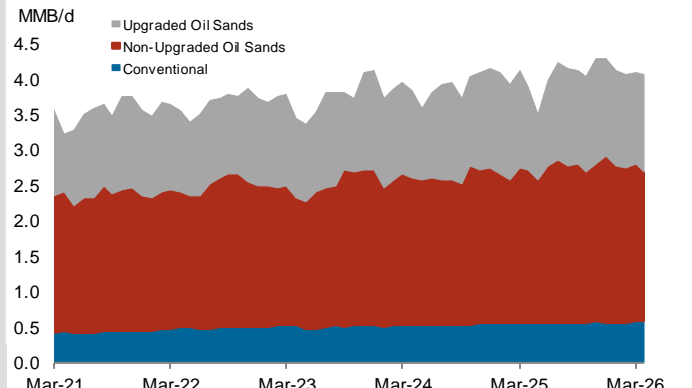


Natural gas liquids have become critical contributors to producer's cash flow. Prices are influenced by the price of oil as well as local supply and demand.

Source: Bloomberg, ARC Financial Corp.

### 16 Alberta Oil Production

Monthly; Conventional and Oil Sands

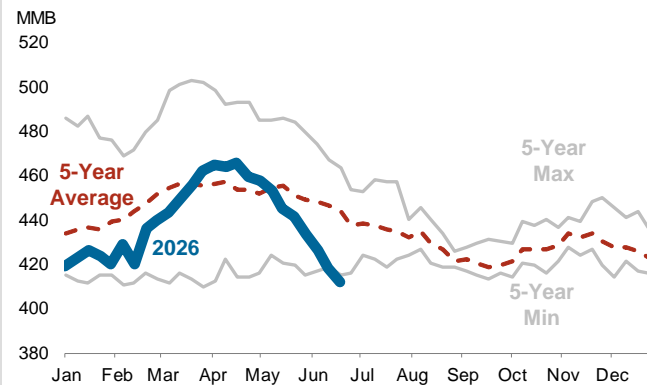


Most of Canada's oil production comes from Alberta; split between oil sands and conventional production.

Source: Alberta Energy Regulator

### 17 US Crude Oil Stocks

Historical Range and Current Year Levels

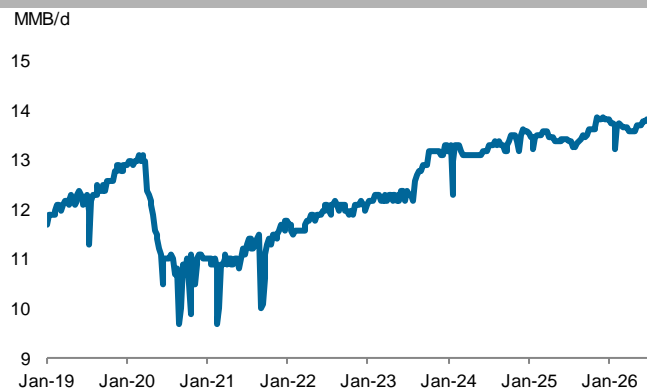


US crude oil stock levels can affect crude oil prices. Stock levels for the current year are represented by the blue line.

Source: U.S. Energy Information Administration

### 19 US Weekly Crude Oil Production

US Field Production of Crude Oil; 2019 to Present



Weekly production is modelled by the EIA. It is less accurate than monthly reported numbers, but is instructive of up to date changes.

Source: U.S. Energy Information Administration

### 21 OECD Total Industry Oil Stocks

Monthly; 2012 to Present

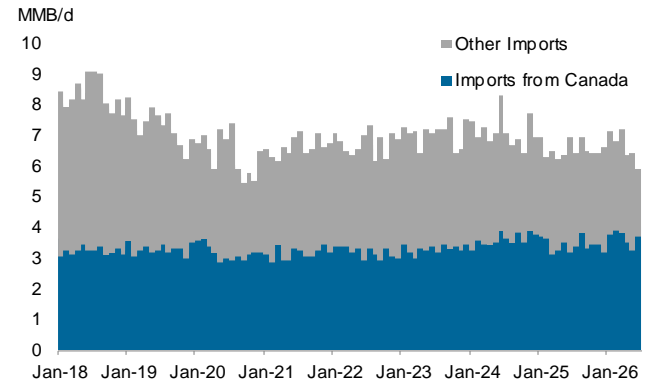


OECD stock levels can affect crude oil prices.

Source: International Energy Agency

### 18 US Crude Oil Imports

Weekly Data; 2018 to Present

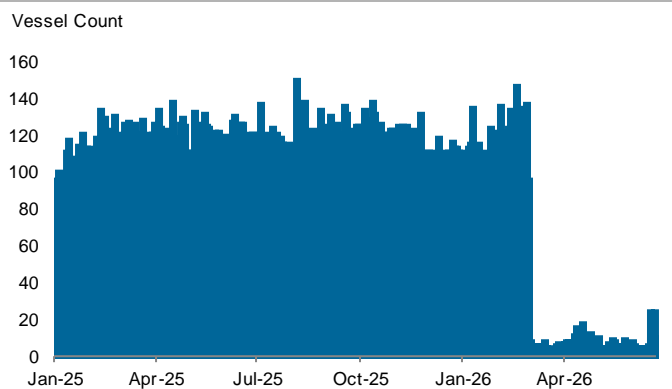


Crude oil imports from Canada are taking market share from overseas imports.

Source: U.S. Energy Information Administration

### 20 Strait of Hormuz Cargo Ship Crossings

Rolling 24-Hour Vessel Count; January 2025 to Present

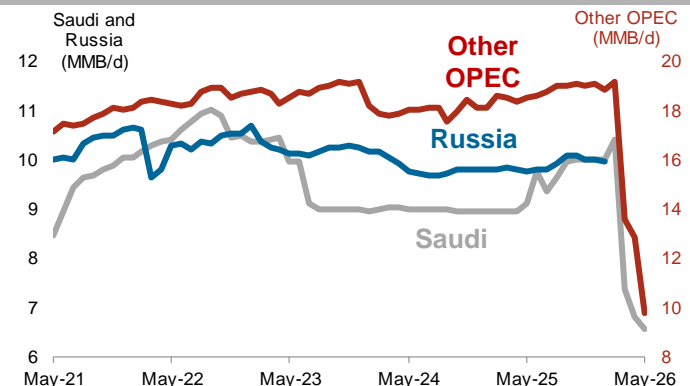


Commercial cargo vessel transits through the Strait of Hormuz, a critical chokepoint for global oil flows.

Source: Bloomberg

### 22 OPEC and Russian Oil Production

Monthly; Rolling 60-Month History

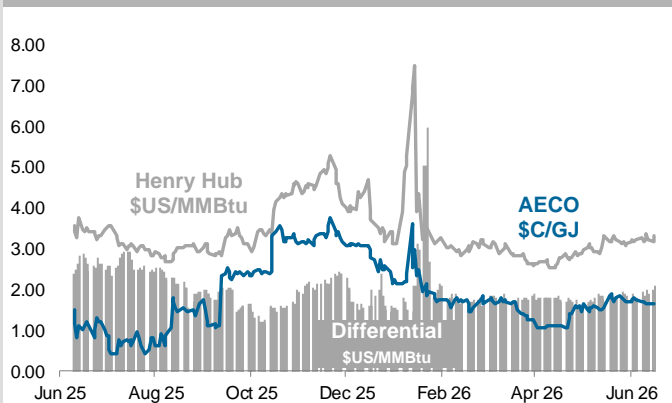


OPEC's production levels relative to its sustainable and spare capacity influences global crude prices. Note: scale has been expanded.

Source: Bloomberg, OPEC, US Department of Energy

#### 23 Near-Month North American Natural Gas Prices

Daily Prices; Rolling 12-Month History

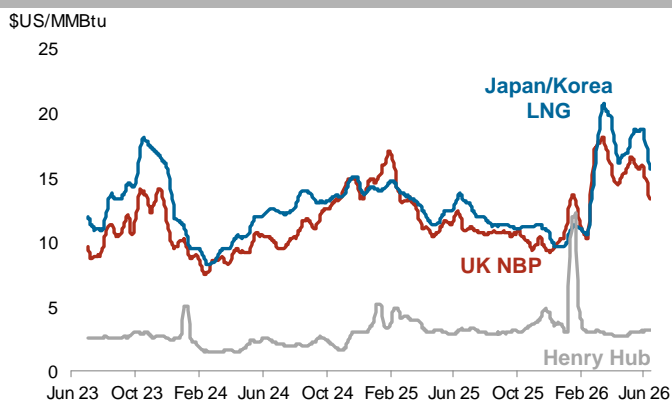


Near-month prices at AECO track Henry Hub prices, the exchange rate and the cost of transportation. Local factors can also affect price.

Source: Bloomberg

#### 25 Global Natural Gas Prices

Japan/Korea, UK NBP, Henry Hub; 10-Day Moving Average Price

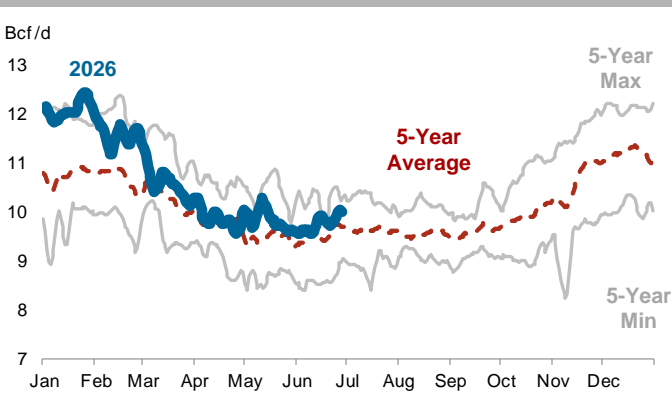


International natural gas prices strongly impact the economics of proposed LNG projects.

Source: Bloomberg

#### 27 Pipeline Flows Out of Western Canada

Daily; Historical Tracks and Current Year Levels

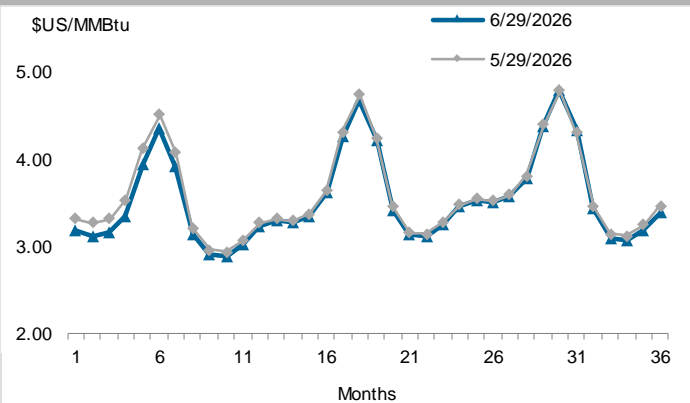


The ability of gas producers to move gas out of the WCSB to eastern markets and the US is a major factor in local natural gas prices.

Source: Various Pipeline Companies

#### 24 US Natural Gas Futures

Nymex (Henry Hub) Next 36 Months

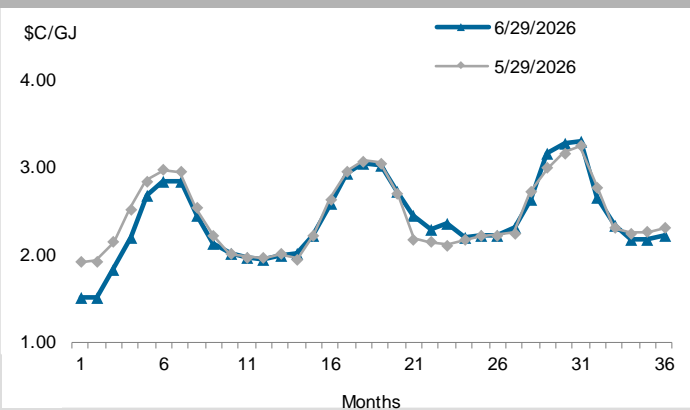


Forward contract prices are plotted for the next 36 months, and compared against the curve one month prior.

Source: Bloomberg

#### 26 CDN Natural Gas Futures

AECO Hub (Bloomberg Estimate) Next 36 Months

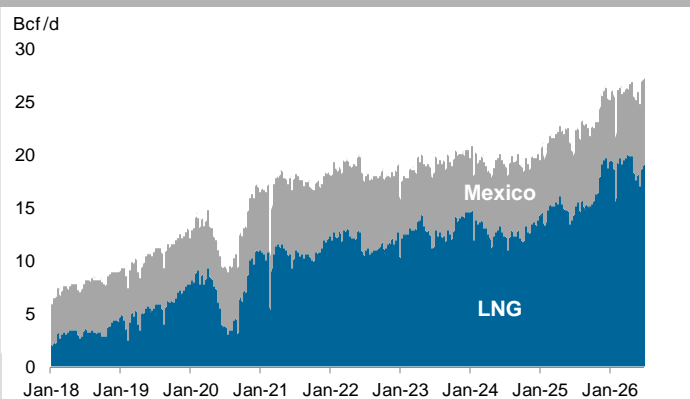


AECO forward prices mimic Henry Hub futures minus a differential.

Source: Bloomberg

#### 28 US Natural Gas Exports – Excluding Canada

Daily; Jan 2018 to Present

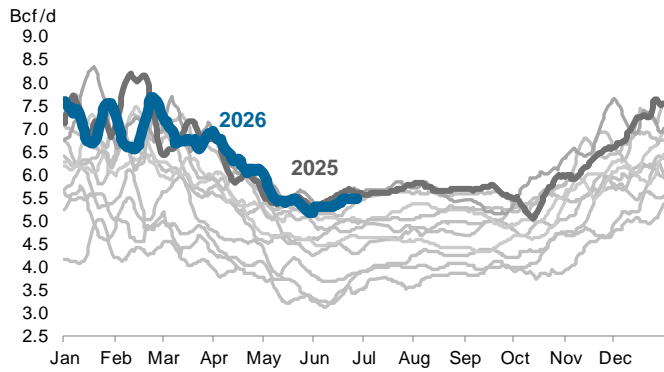


Between exports to Mexico and LNG shipments, the US is growing as a natural gas exporter. Robust US supply growth has driven this trend.

Source: Bloomberg

#### 29 Alberta Natural Gas Demand

TransCanada Intra-AB Deliveries; Current Year and Historical Tracks

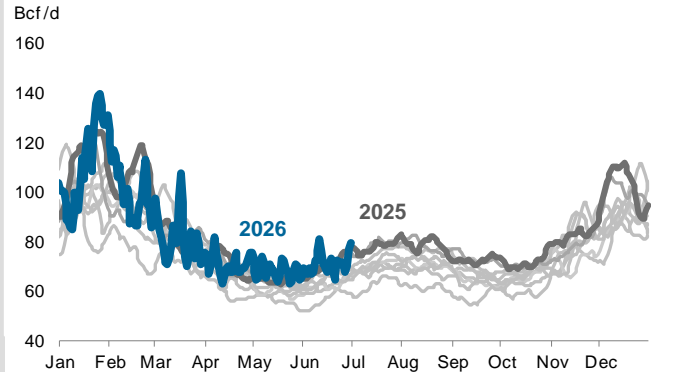


Alberta natural gas demand has grown steadily in recent years, largely driven by new oil sands demand and power generation projects.

Source: TransCanada Pipelines

#### 30 US Domestic Natural Gas Demand

Daily; Historical Tracks and Current Year Levels



Domestic US demand fluctuates in the summer and during the winter as weather is an important driver of consumption.

Source: Bloomberg

#### 31 Daily Western CDN Production

Estimated Using Major Pipeline Receipts

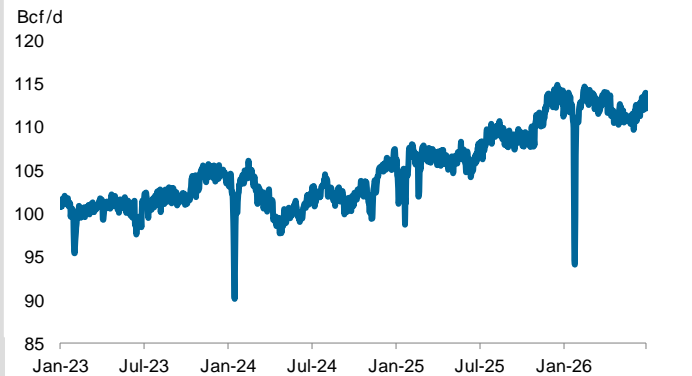


This includes receipts on the TCPL, Alliance, WestCoast and TransGas pipelines.

Source: Various Pipeline Companies

#### 32 Total US Dry Natural Gas Production

Daily; Jan 2023 to Present

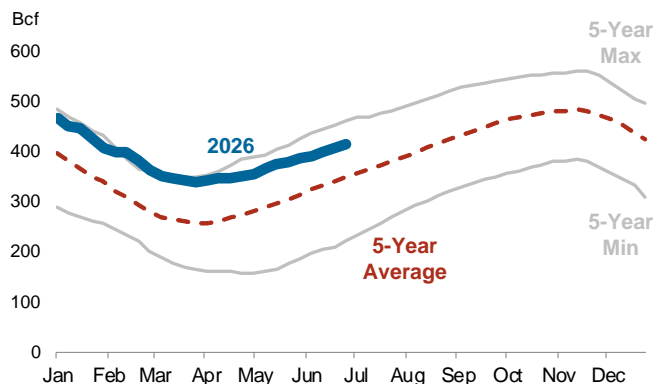


US production started ramping up in late 2007 and continues to grow year over year.

Source: Bloomberg

#### 33 Western CDN Natural Gas Storage Levels

Weekly; Current Year and Historic Tracks

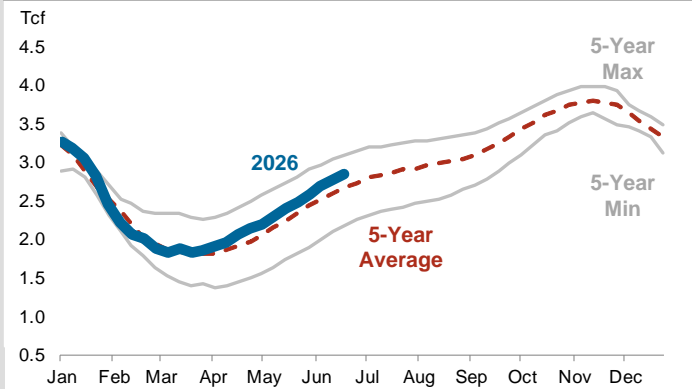


Canada's natural gas storage level provides a good metric if the country is well stocked. Abnormally high or low storage can affect the basis.

Source: Bloomberg

#### 34 Total Working Natural Gas in US Storage

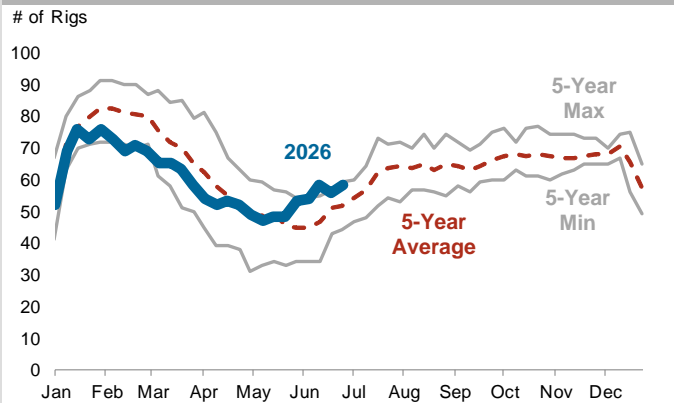
Historical Range and Current Year Levels



The EIA reports changes in US natural gas inventories held in underground storage facilities on a weekly basis.

Source: U.S. Energy Information Administration

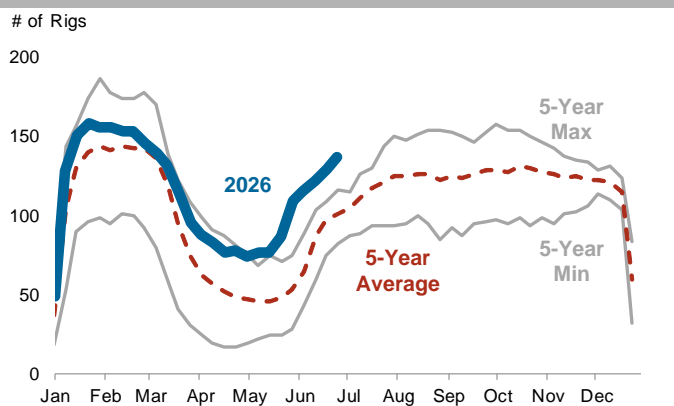
**35 Canada: Weekly Gas Drilling Activity**  
Baker Hughes Drilling Rig Count; Current Year and Historical Range



Unlike US drilling activity, Canadian rigs are dispatched seasonally. Capital allocation by operators is driven by views of future oil and gas prices.

Source: Baker Hughes

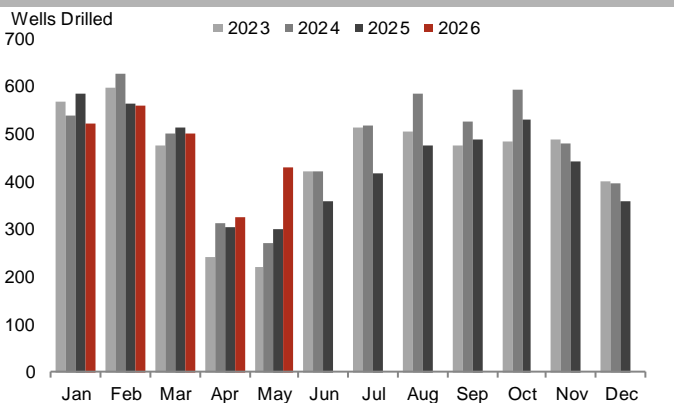
**37 Canada: Weekly Oil Drilling Activity**  
Baker Hughes Drilling Rig Count; Current Year and Historical Range



Unlike US drilling activity, Canadian rigs are dispatched seasonally. Capital allocation by operators is driven by views of future oil and gas prices.

Source: Baker Hughes

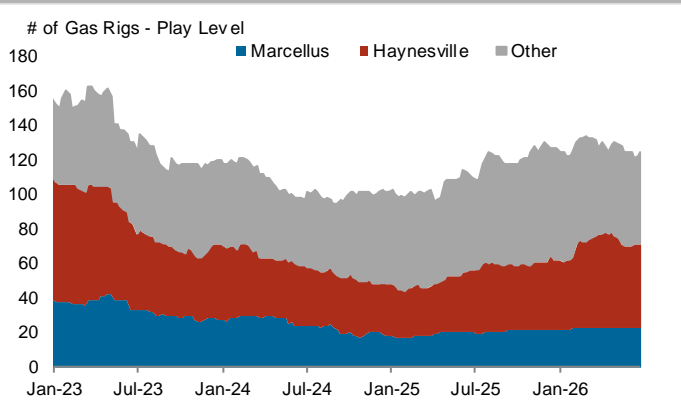
**39 Canada: Monthly Wells Drilled**  
Current Year vs Years Prior



Total rig-releases for exploratory and development wells are highlighted in this chart. Rig releases for the current year are shown in red.

Source: Daily Oil Bulletin/JWN

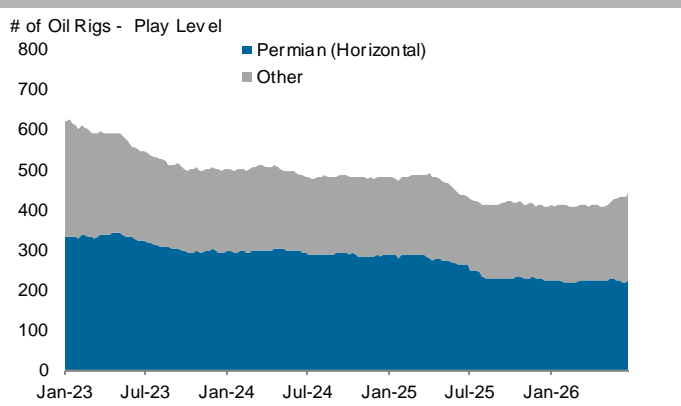
**36 United States: Weekly Gas Drilling Activity**  
Baker Hughes Gas Rig Counts; 2023 to Present



Tracking US gas drilling by major play provides insight into the composition of US gas supply and growth trends.

Source: Baker Hughes

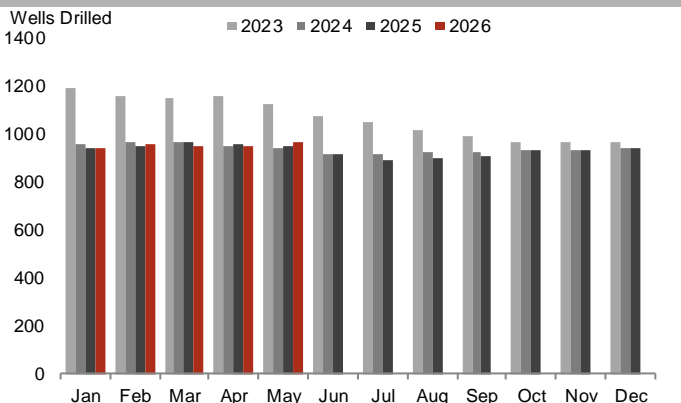
**38 United States: Oil Drilling Activity**  
Baker Hughes Oil Rig Counts; 2023 to Present



Tracking US oil drilling by major play provides insight into the composition of US oil supply and growth trends.

Source: Baker Hughes

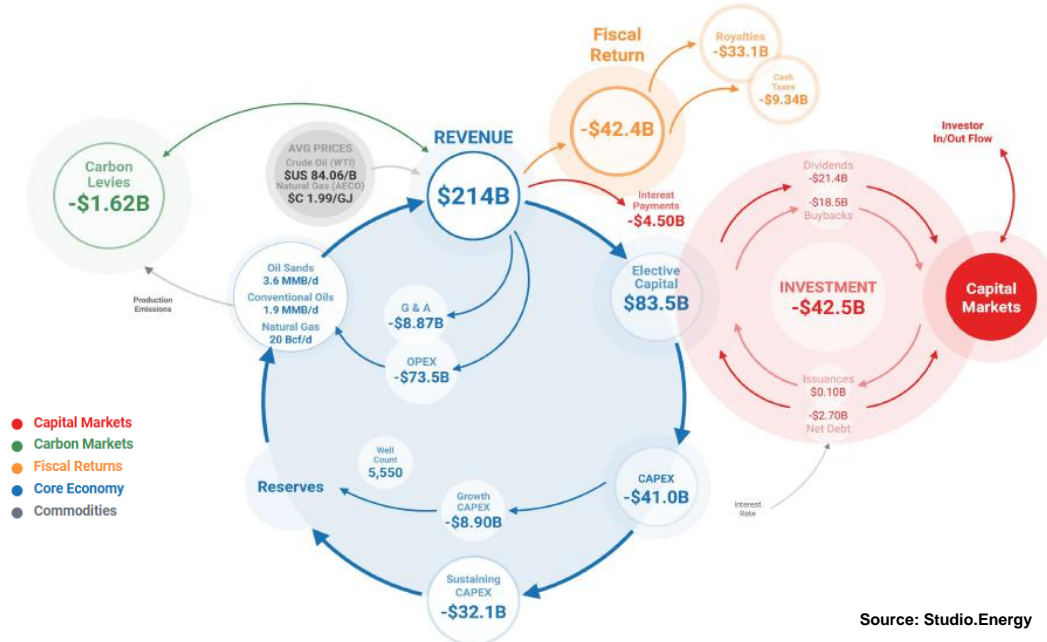
**40 United States: Monthly Wells Drilled**  
Current Year vs Years Prior



Total onshore wells drilled in the US

Source: U.S. Energy Information Administration

### Estimated Capital Flow in the Canadian Oil and Gas Economy for 2026 Industry Revenue, Cash Flow, Reinvestment, Drilling Activity and Production



41

### Canadian Industry Statistics: Historical Data and Forecast

	Price		Production Volume				Capital Inflow		Reinvestment			Drilling
	WTI	AECO	Conv. Liquids	Bitumen + Synthetic	Natural Gas	Total Volume	Total Revenue	After-tax Cash Flow	Sustaining	Growth	Reinvest Ratio	Wells Drilled Rig-Release
	\$US/B	\$C/GJ	Average M MBOE/d	Average M MBOE/d	MMBOE/d (@ 6:1)	MMBOE/d (@ 6:1)	\$C billions	\$C billions	\$C billions	\$C billions	x:1	#/Year
2015	48.66	2.80	150	2.38	2.53	6.41	85.6	214	24.3	30.2	2.54	5,382
2016	43.29	2.10	147	2.41	2.55	6.43	79.9	22.7	24.6	13.8	1.69	4,060
2017	50.80	2.40	156	2.67	2.59	6.82	103.6	43.9	25.9	16.6	0.97	7,076
2018	65.23	1.55	170	2.91	2.69	7.30	116.9	52.0	27.7	11.4	0.75	6,927
2019	56.99	1.60	174	2.95	2.62	7.31	118.4	49.6	27.8	7.3	0.71	4,886
2020	39.16	2.25	163	2.83	2.57	7.03	83.4	33.0	21.4	0.0	0.65	2,970
2021	68.13	3.55	164	3.10	2.69	7.43	154.3	69.9	25.9	0.0	0.37	4,638
2022	94.90	5.55	170	3.16	2.88	7.74	231.3	108.7	29.4	8.0	0.34	5,723
2023	77.65	2.95	170	3.23	2.99	7.92	182.3	75.5	30.0	9.5	0.52	5,389
2024	76.55	1.45	177	3.36	3.06	8.19	185.3	69.6	31.4	9.1	0.58	5,758
2025f	64.82	1.95	185	3.49	3.19	8.53	167.5	60.1	31.8	8.0	0.66	5,500
2026f	84.06	1.99	190	3.60	3.33	8.83	214.3	83.5	32.1	8.9	0.49	5,550

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