



January 2024 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
January 19, 2024

US Williston Basin Oil Production - 2023

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,062,880	62,114	2,610	1,127,604
February	1,159,032	63,553	2,475	1,225,060
March	1,124,901	64,593	2,652	1,192,146
April	1,135,836	61,932	2,557	1,200,325
May	1,135,750	61,271	2,560	1,199,581
June	1,168,298	59,643	2,274	1,230,215
July	1,181,557	56,865	2,310	1,240,732
August	1,211,740	62,160		
September	1,280,052	62,298		
October	1,254,475	61,560		
November	1,278,475			
December				



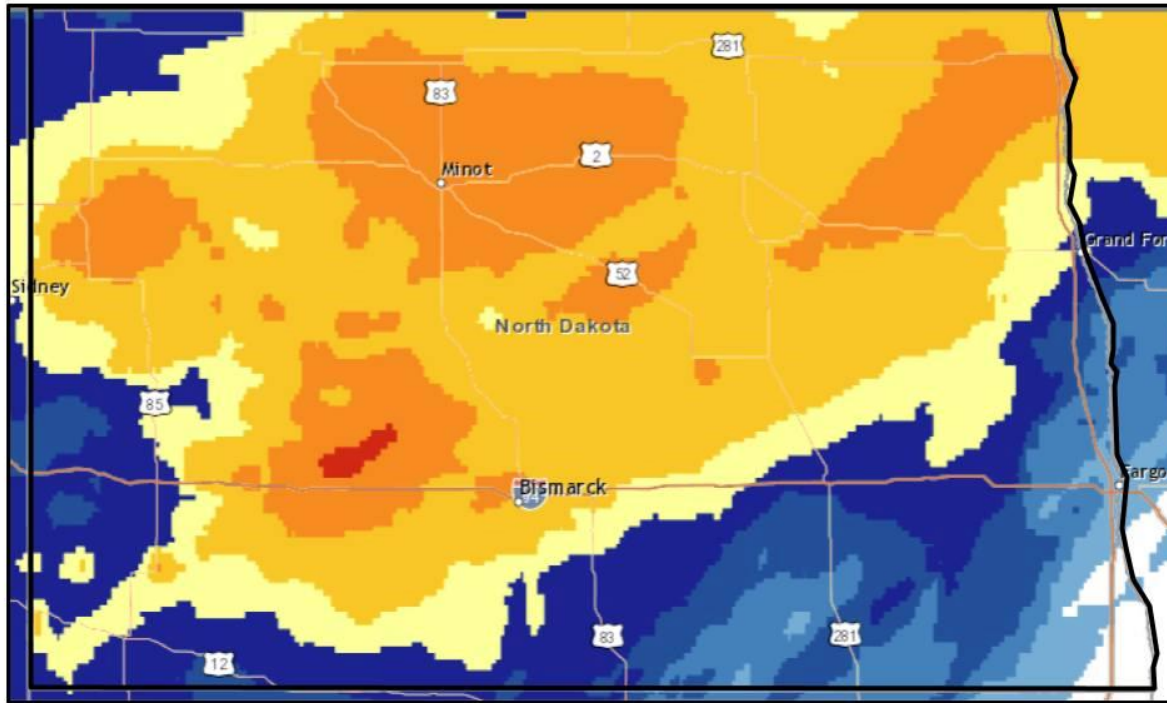
Late October Winter Weather

October 27, 2023
10:31 AM



Winter Storm Snow Totals October 25th-26th

Storm Total Snow



City	Snowfall Total
Stanley	15.5
Washburn	14
Harvey	14
Hazen	14
New England	13.3
Lansford	12.1
Minot	12
Williston	11
Gladstone	10
Mylo	9.5
Rhame	9
(NWS) Bismarck	8.8
Glen Ullin	7.8
Jamestown	3.0



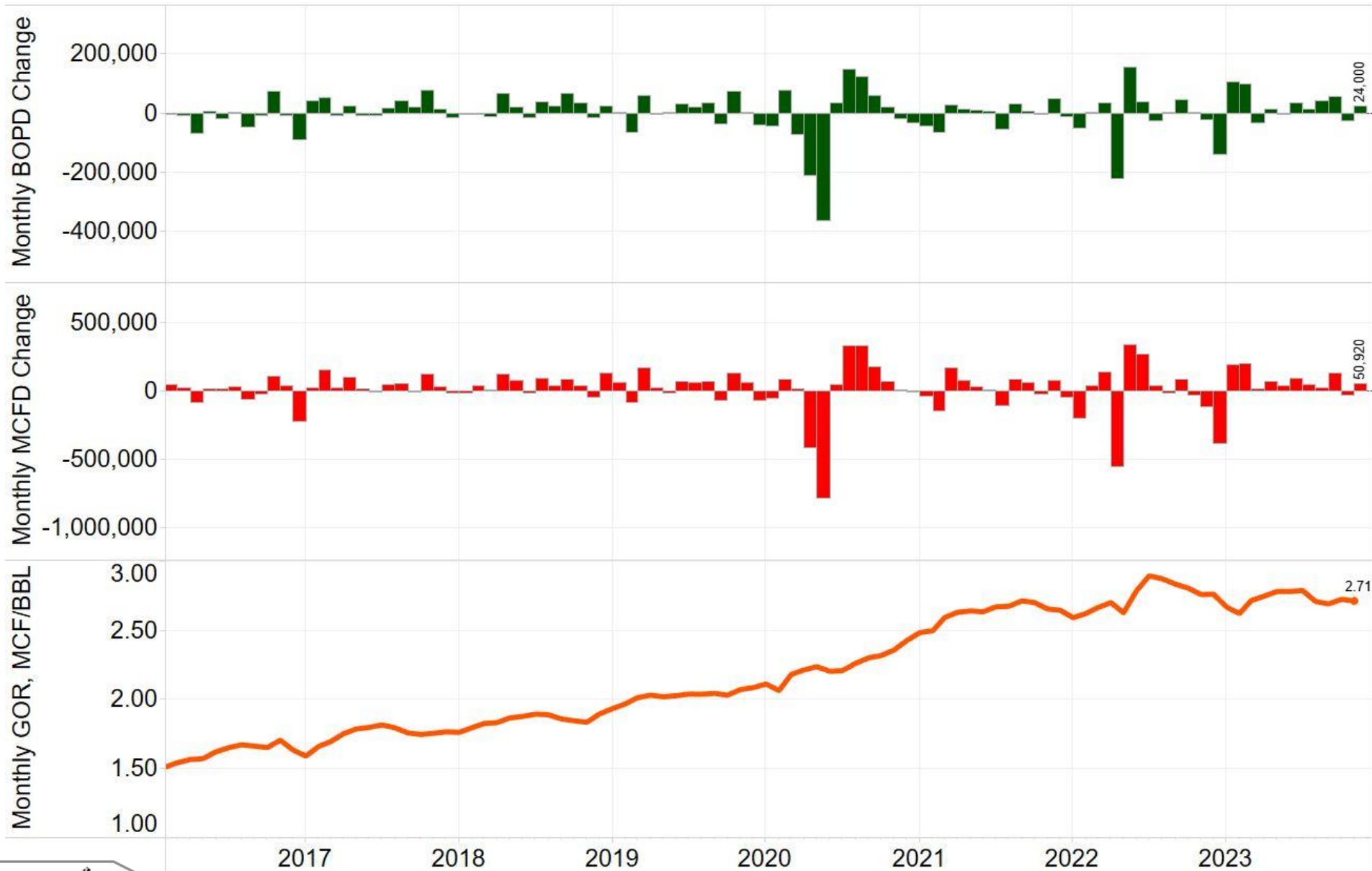
*Snow map provided by NOHRSC snowfall estimates



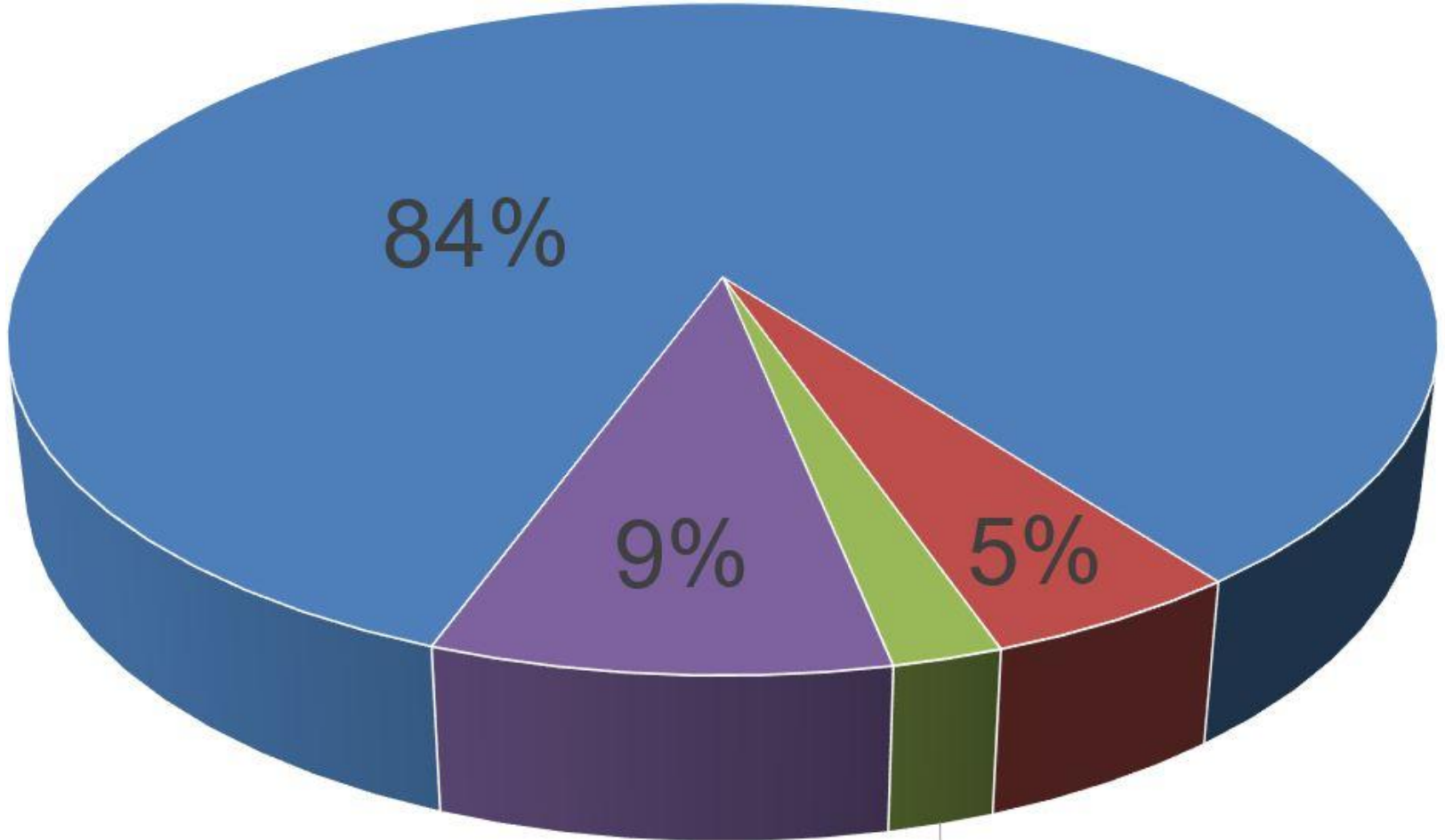
National Weather Service
Bismarck, ND



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

2%

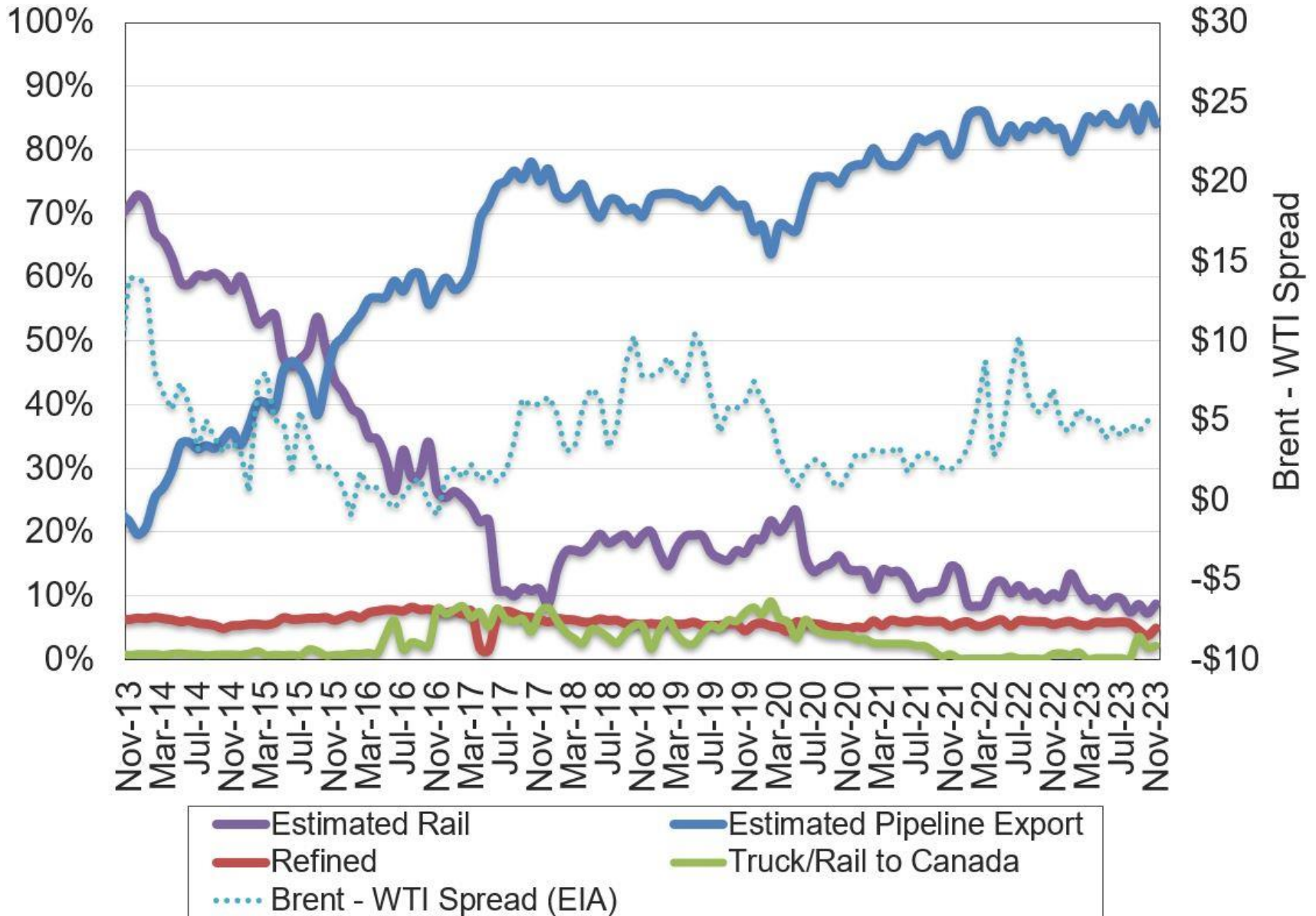
■ Refined

■ Estimated Rail

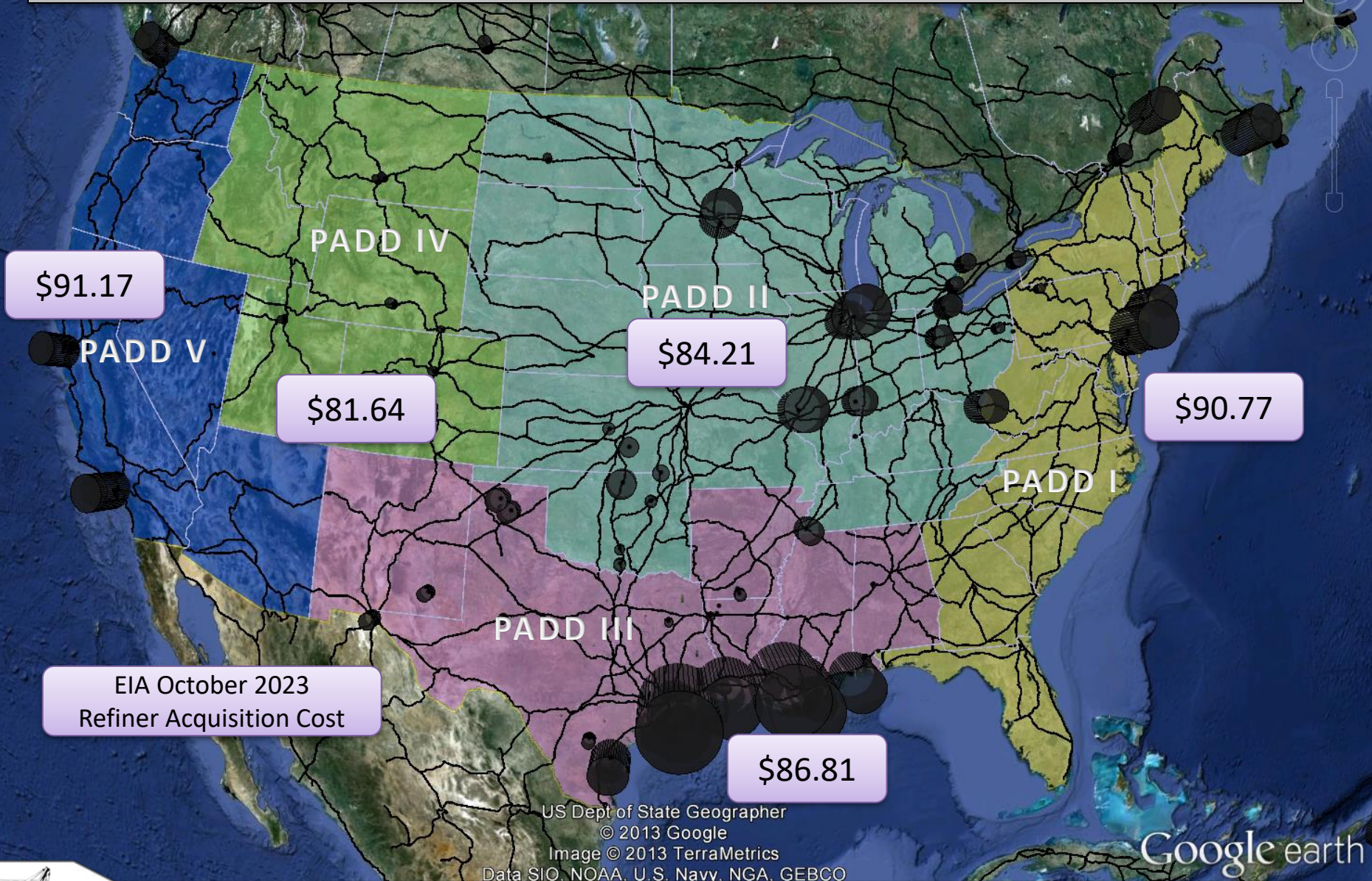
November 2023



Estimated Williston Basin Oil Transportation



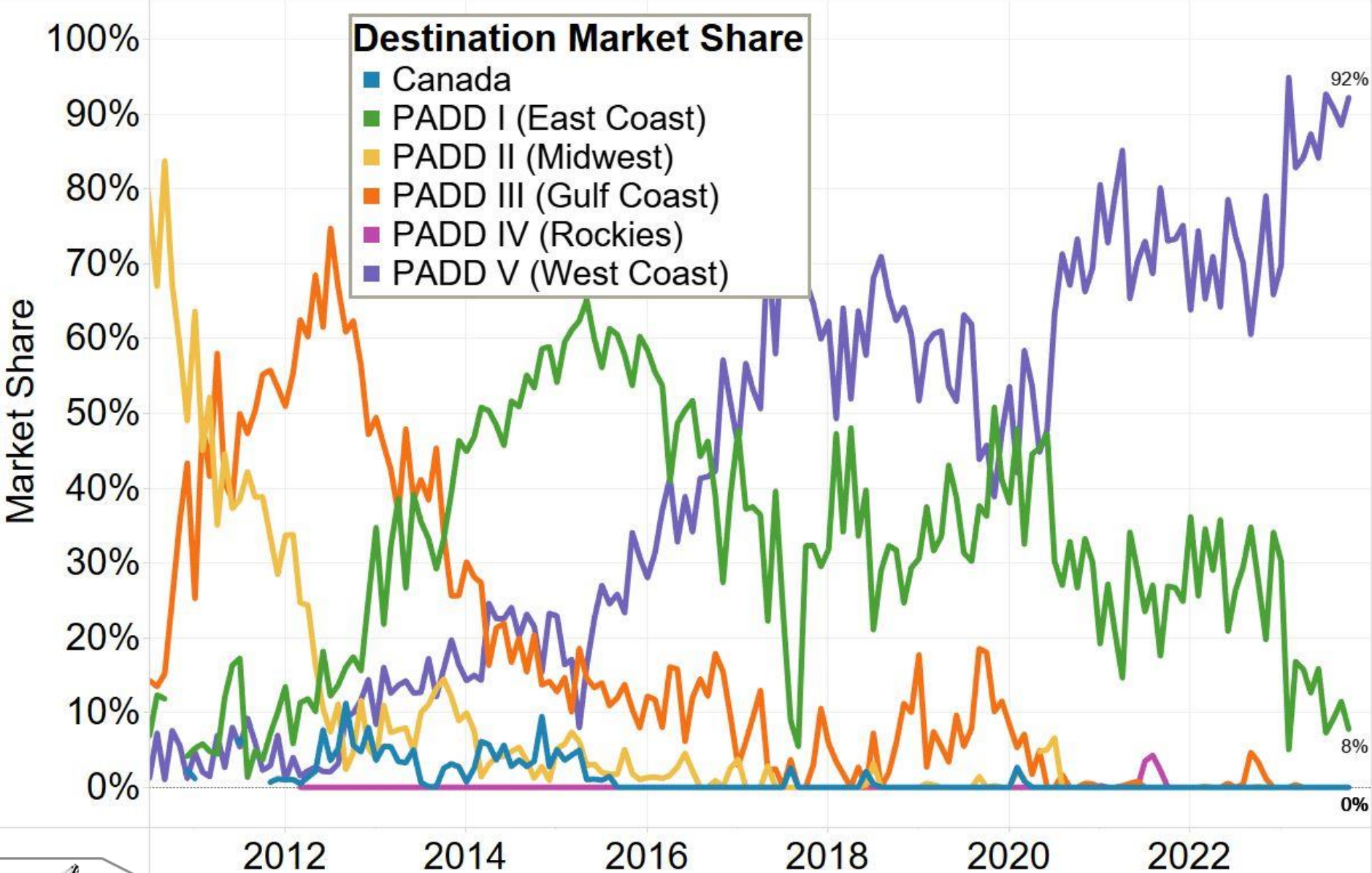
Major Rail Lines and Refineries



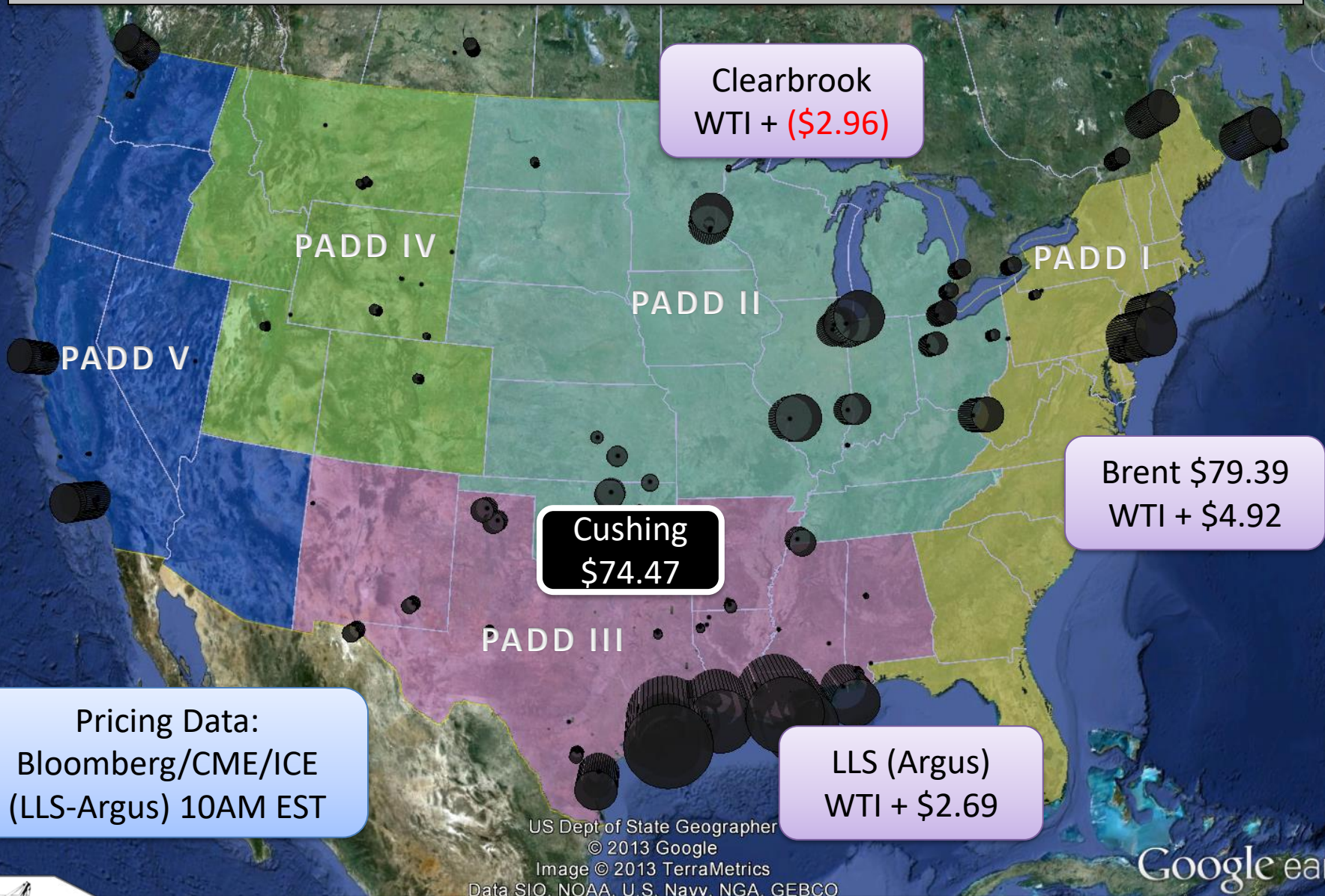
Estimated ND Rail Export Volumes



Rail Destinations Market Share (Oct. 2023)



Crude Oil Prices – Jan. 19, 2024



Pricing Data:
Bloomberg/CME/ICE
(LLS-Argus) 10AM EST

Cushing
\$74.47

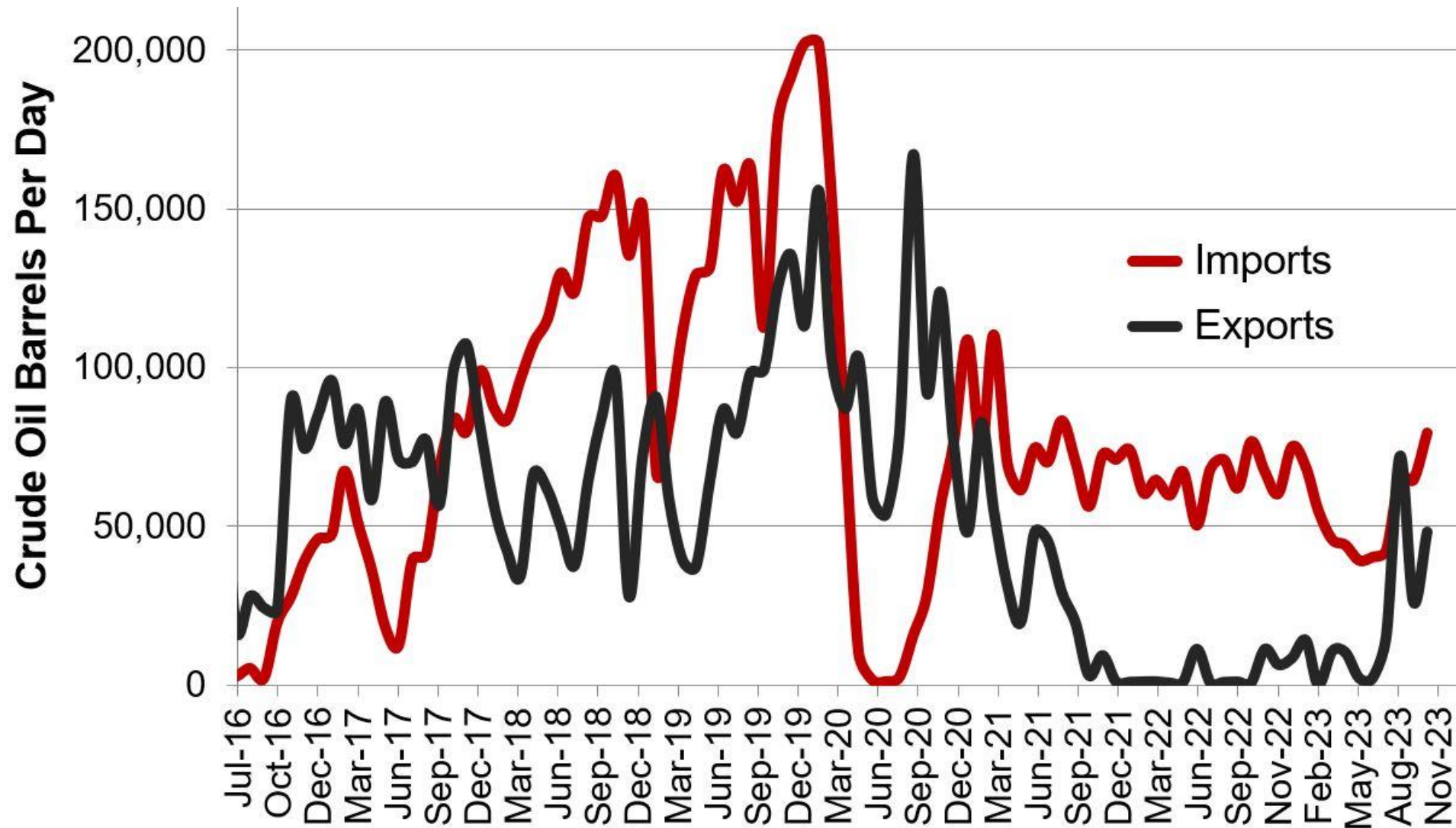
Clearbrook
WTI + (\$2.96)

Brent \$79.39
WTI + \$4.92

LLS (Argus)
WTI + \$2.69



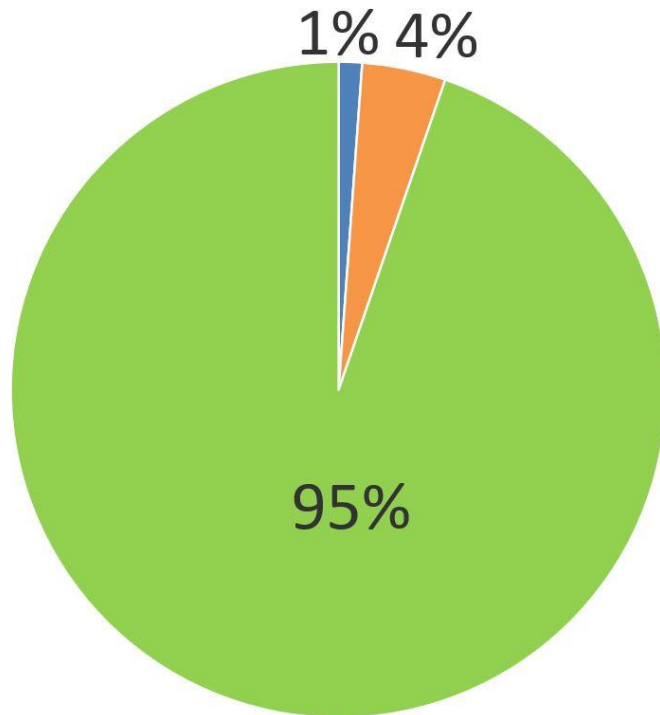
Williston Basin Truck/Rail Imports and Exports with Canada



Data for imports/exports chart is provided by the US International Trade Commission and represents traffic across US/Canada border in the Williston Basin area.



Solving the Flaring Challenge



Statewide

GREEN – % of gas captured and sold
Blue – % flared from zero sales wells
Orange – % flared from wells with at least one mcf sold.

Simple Terms

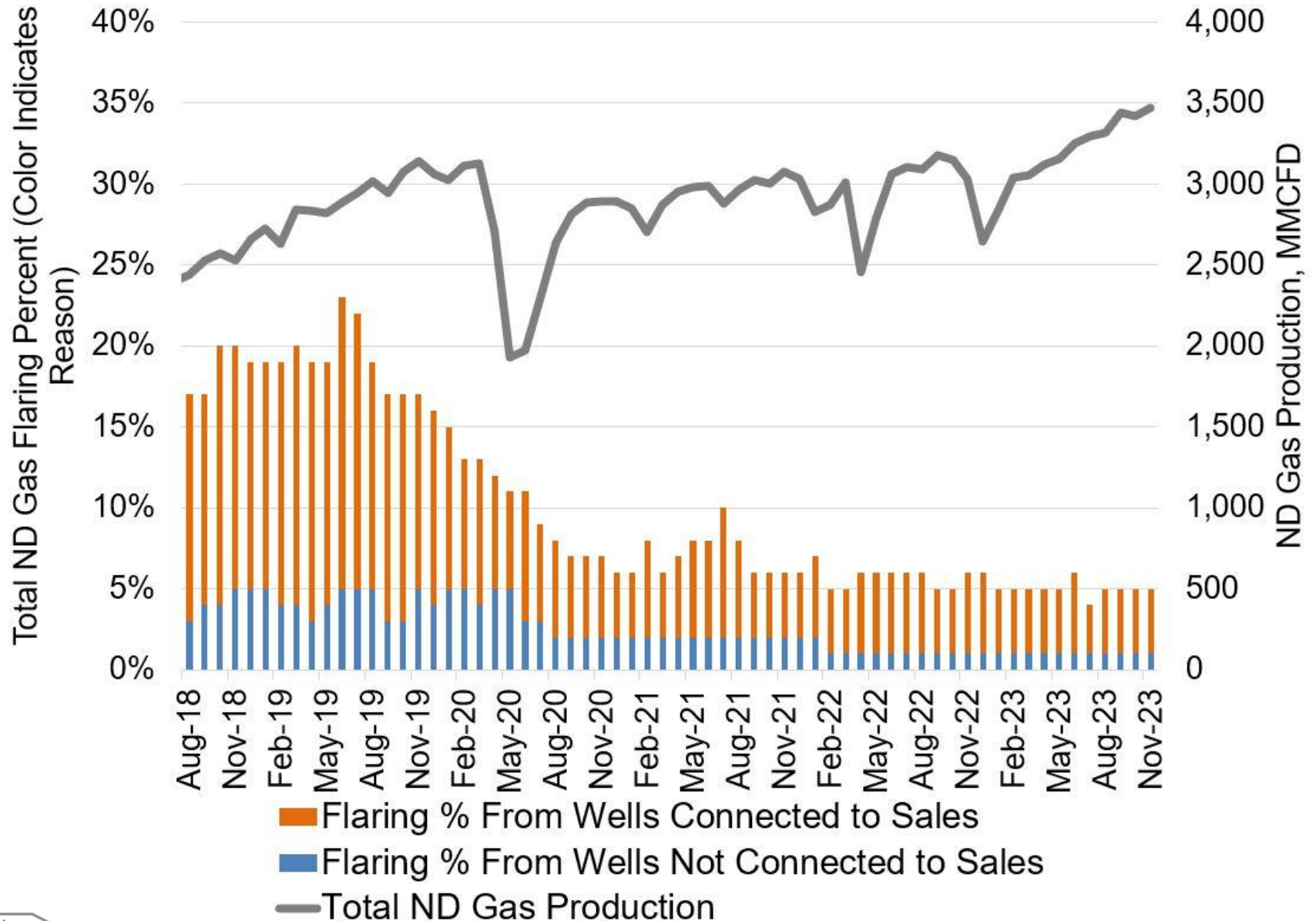
Blue – Lack of pipelines

Orange – Challenges on existing infrastructure

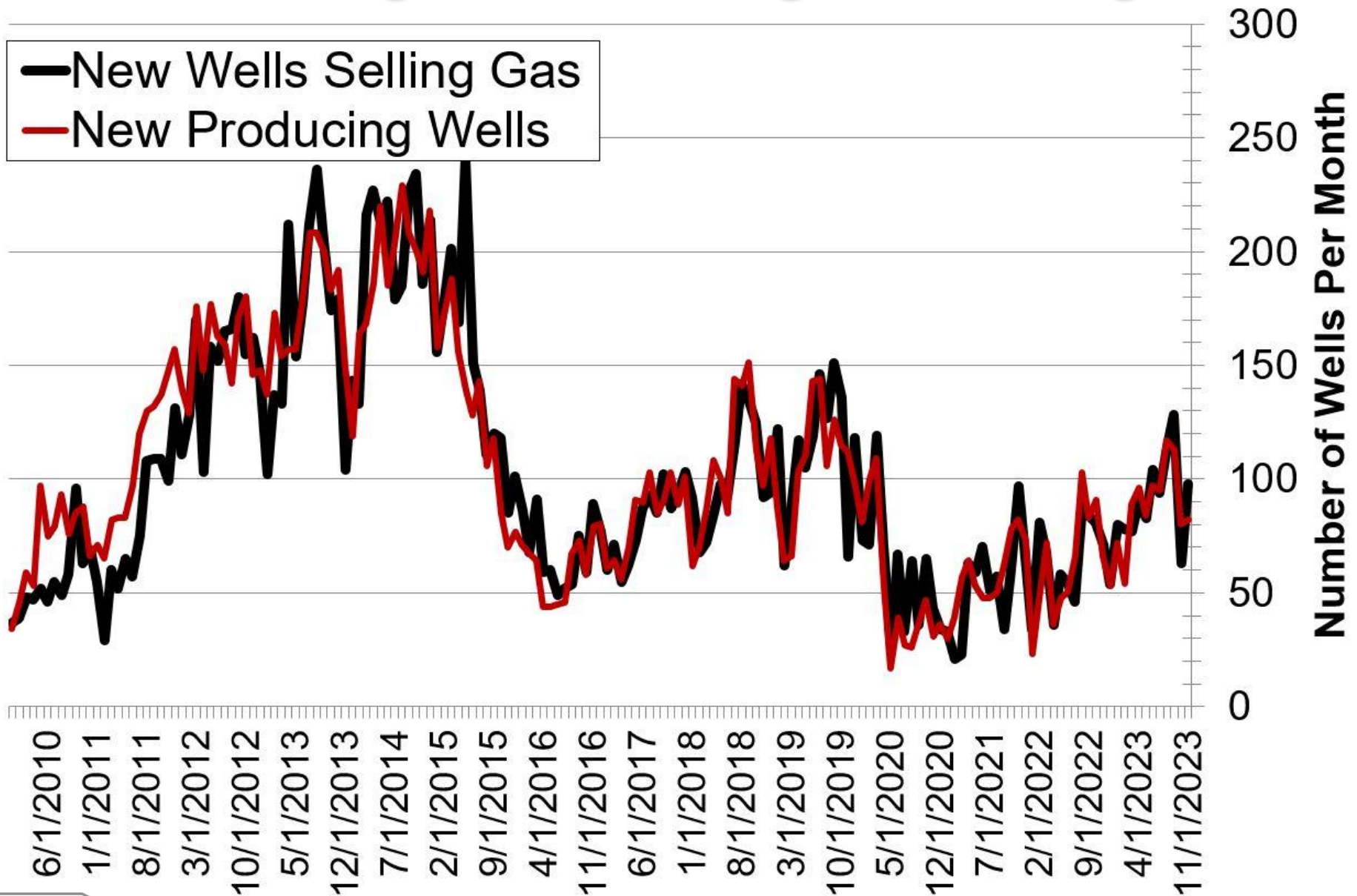
Nov. 2023 Data – Non-Confidential Wells



Solving the Flaring Challenge

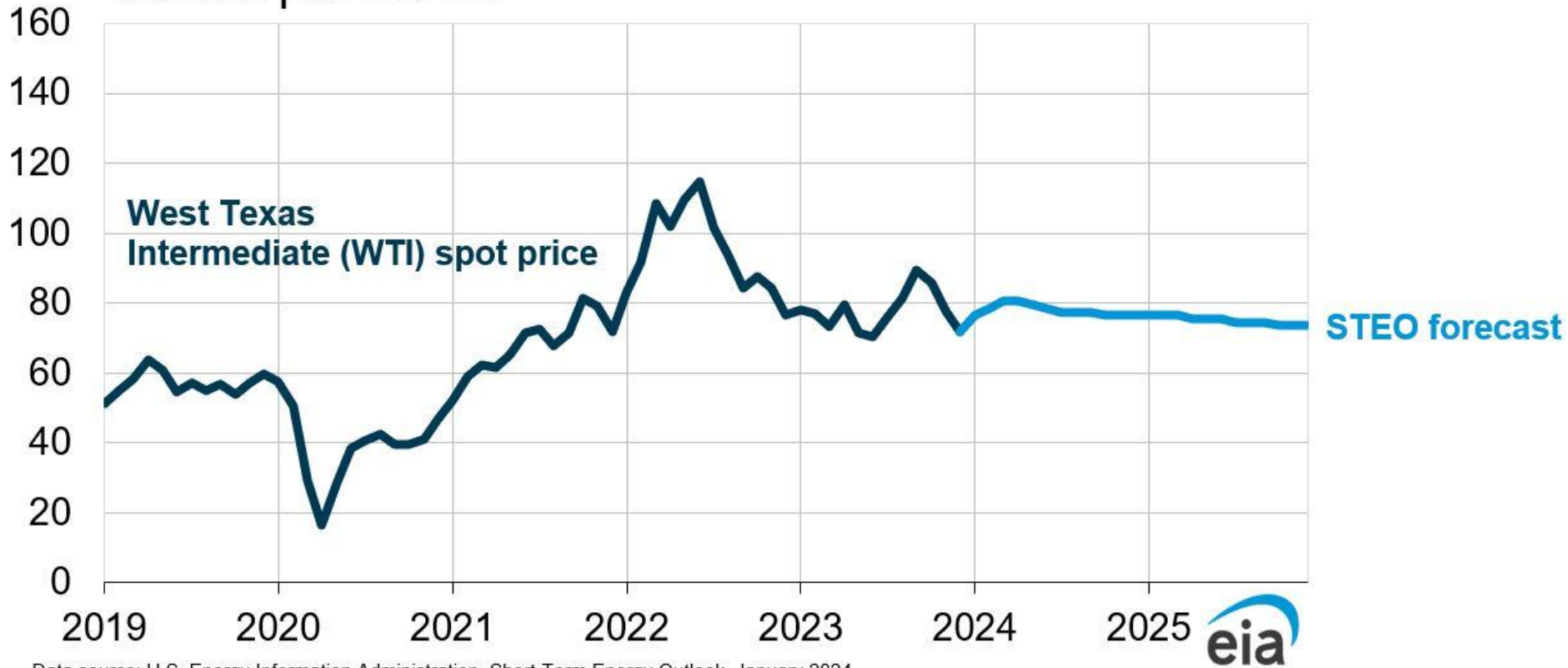


Solving the Flaring Challenge



EIA Oil Price Forecast: Jan. 2024

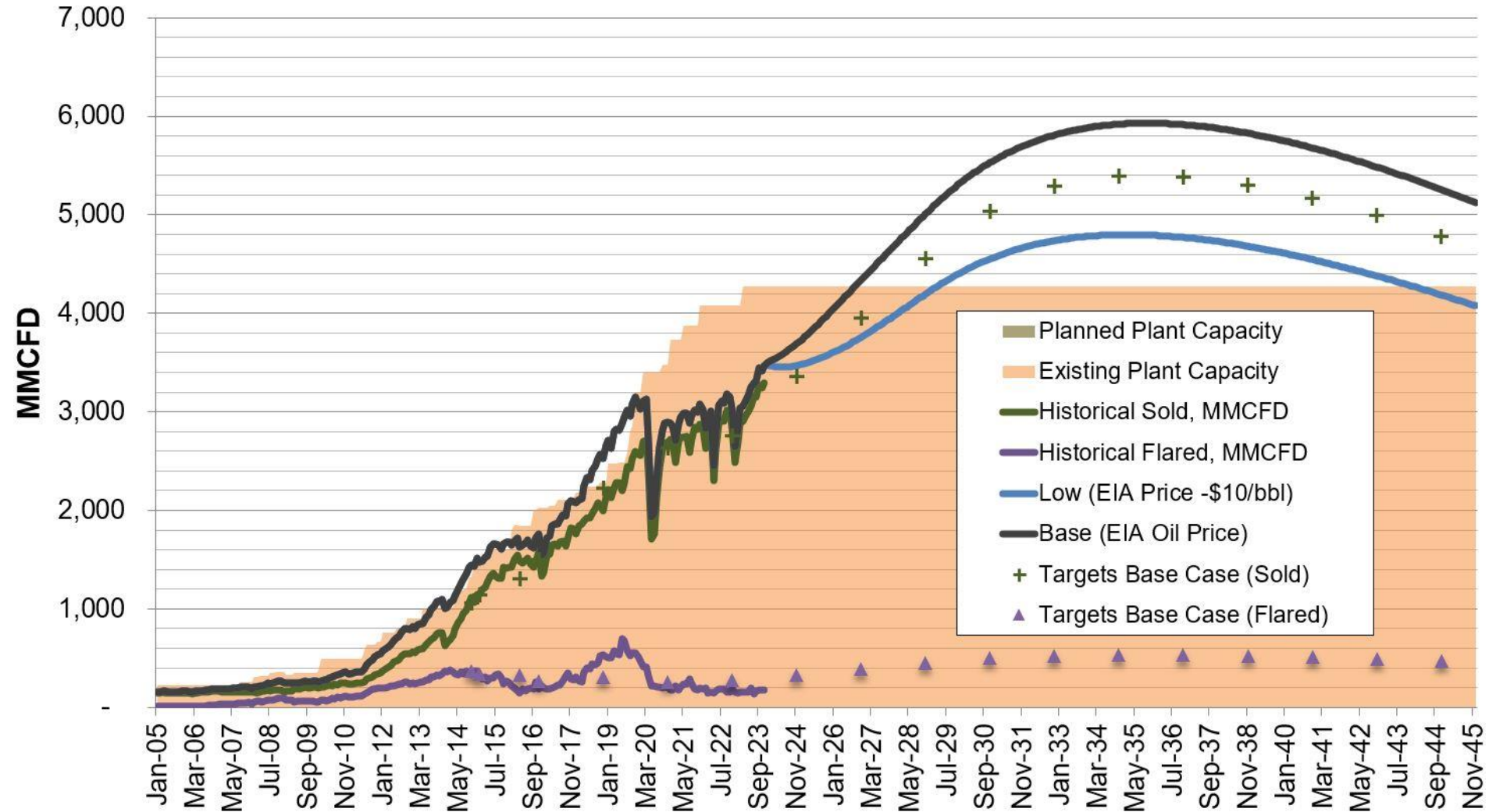
West Texas Intermediate (WTI) crude oil price dollars per barrel



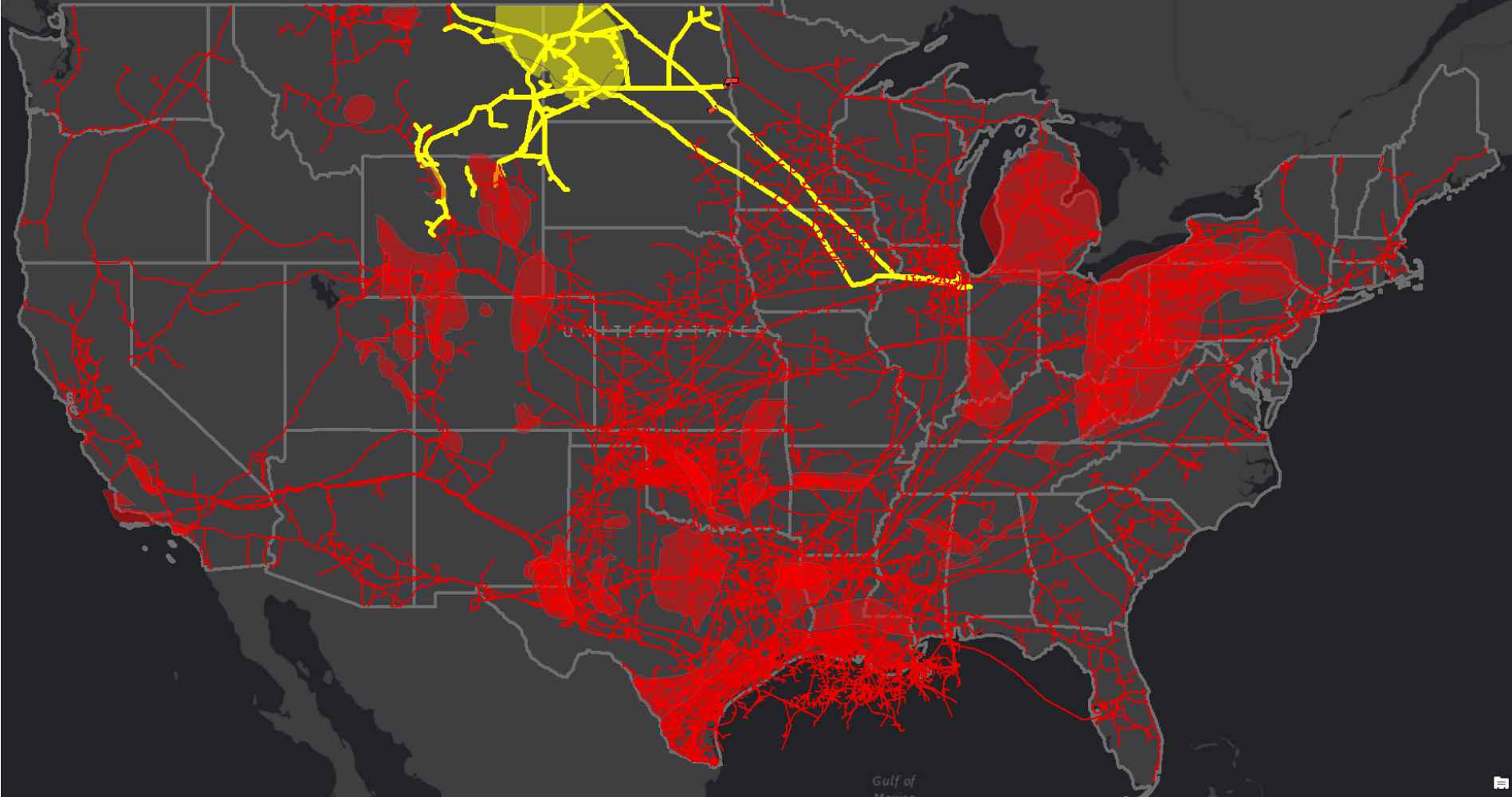
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, January 2024



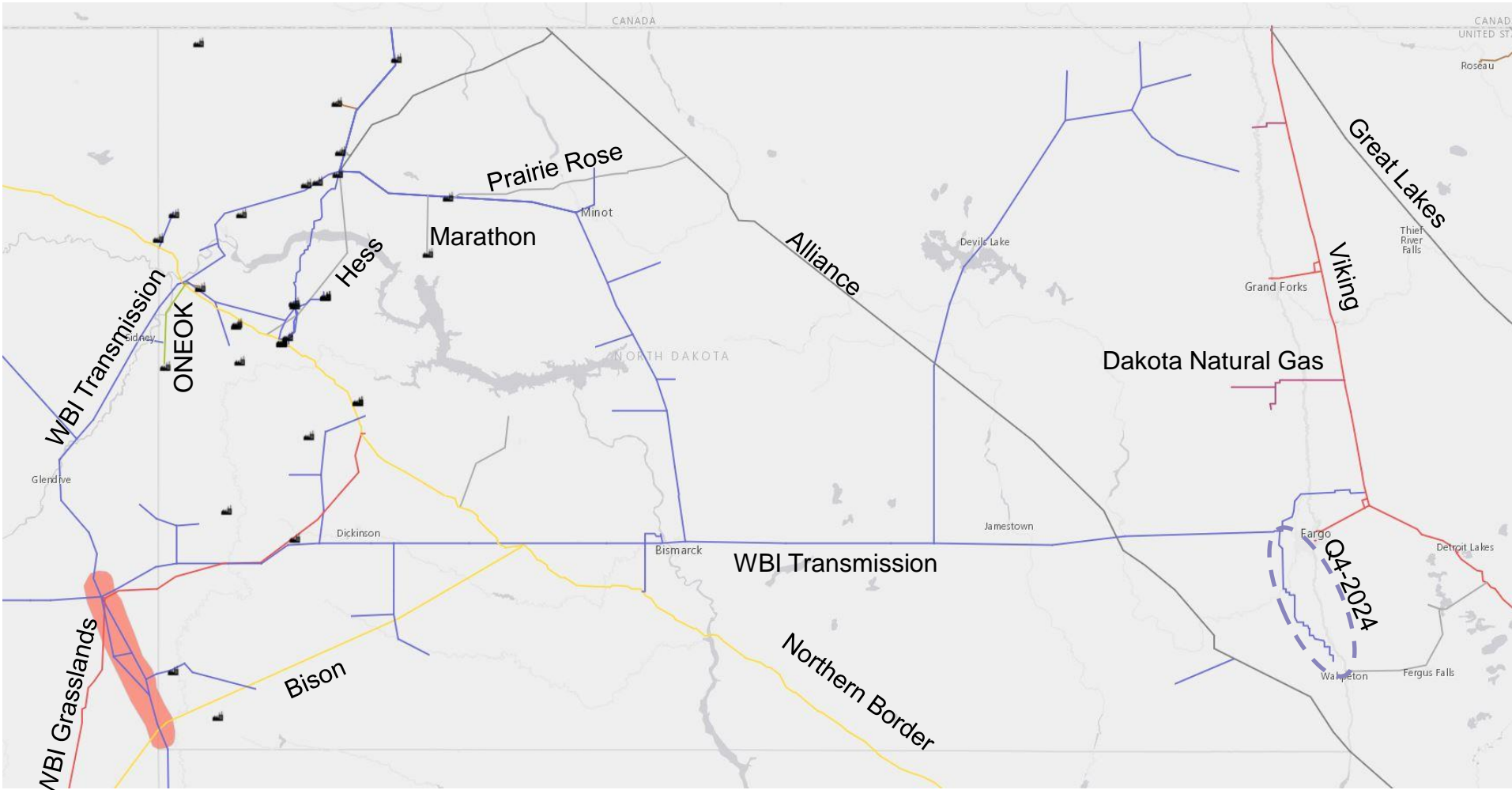
Solving the Flaring Challenge



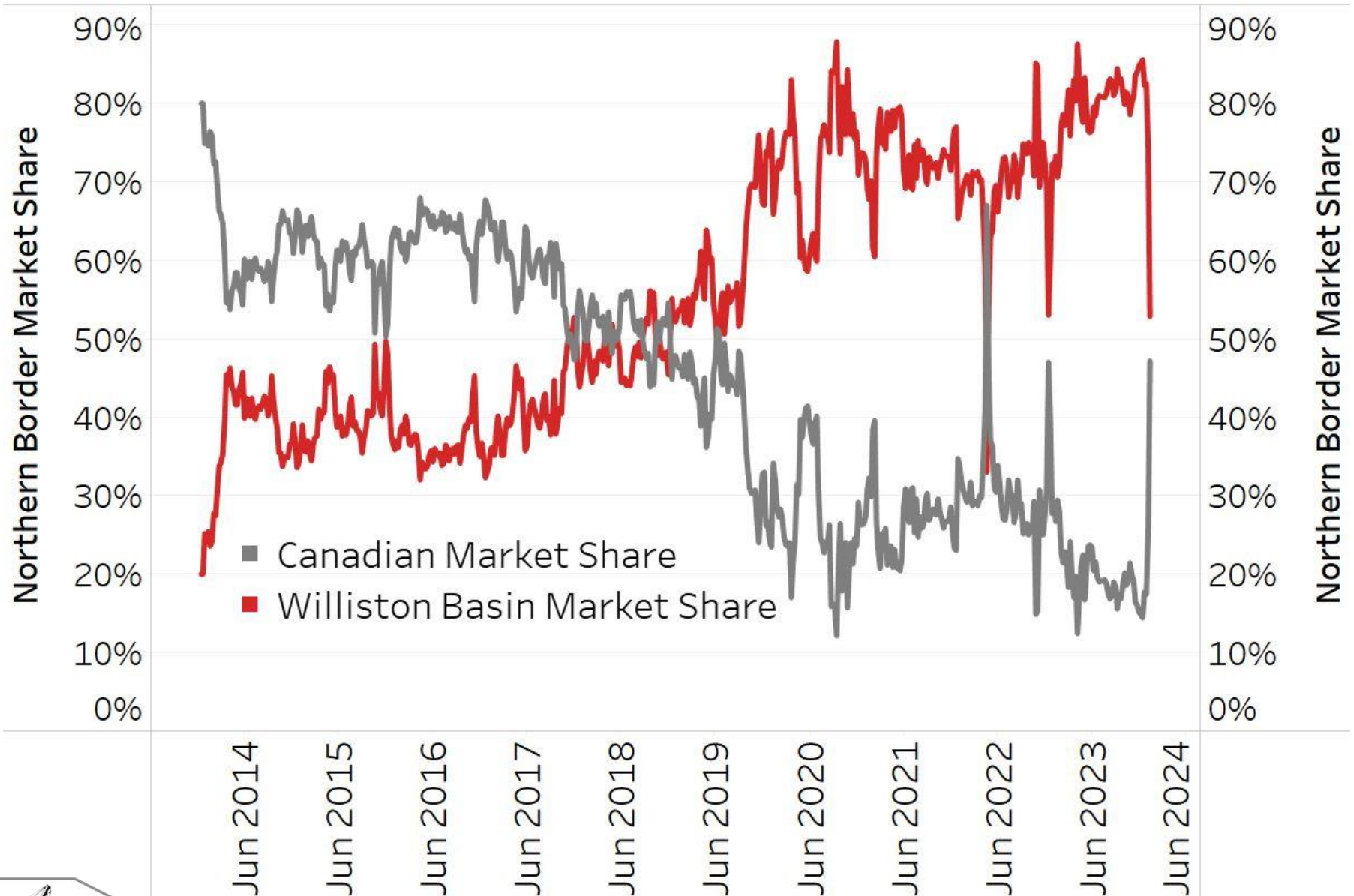
Bakken Natural Gas Infrastructure



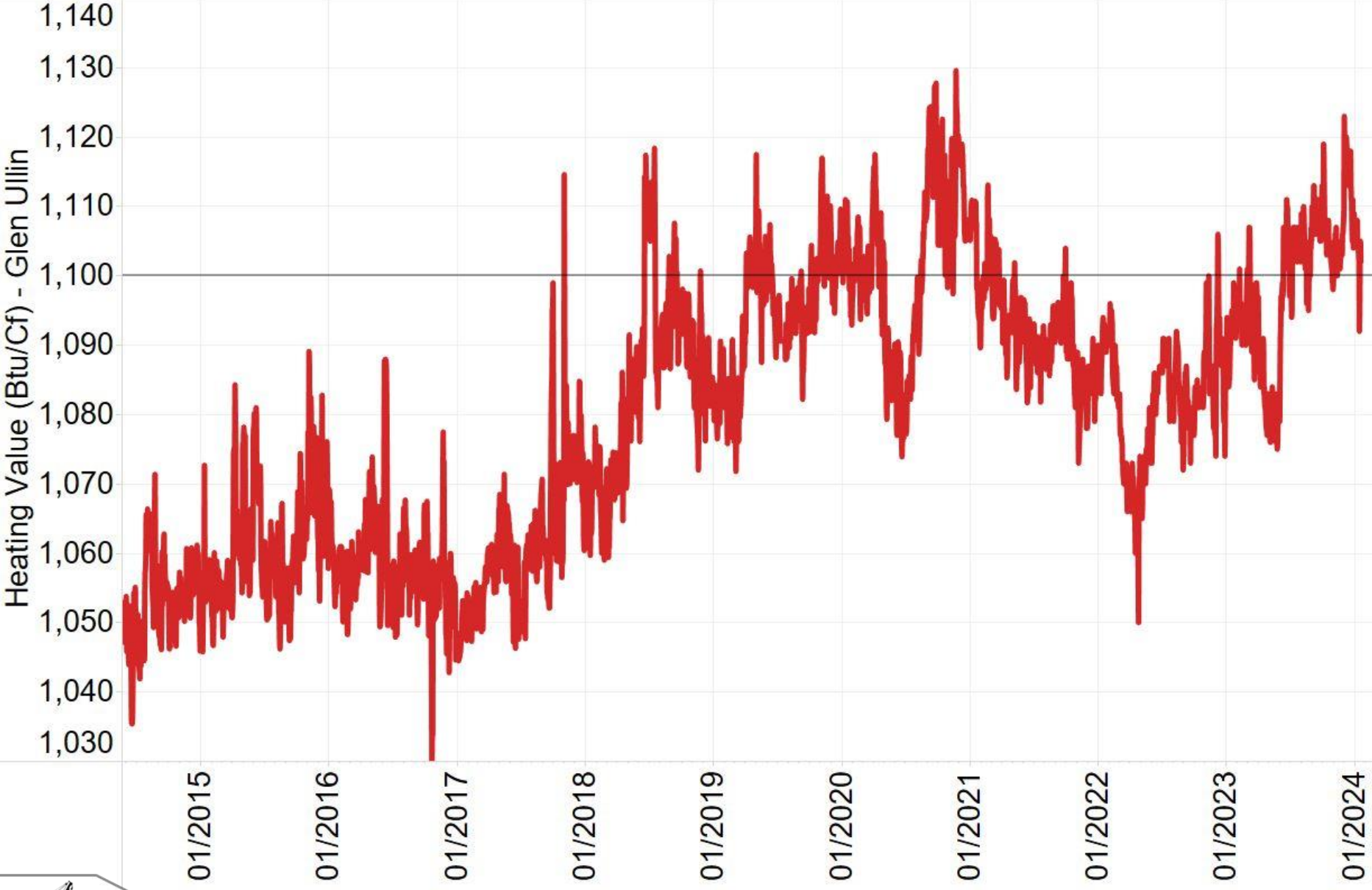
Bakken Natural Gas Infrastructure



Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



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