

Pipeline Authority Monthly Update

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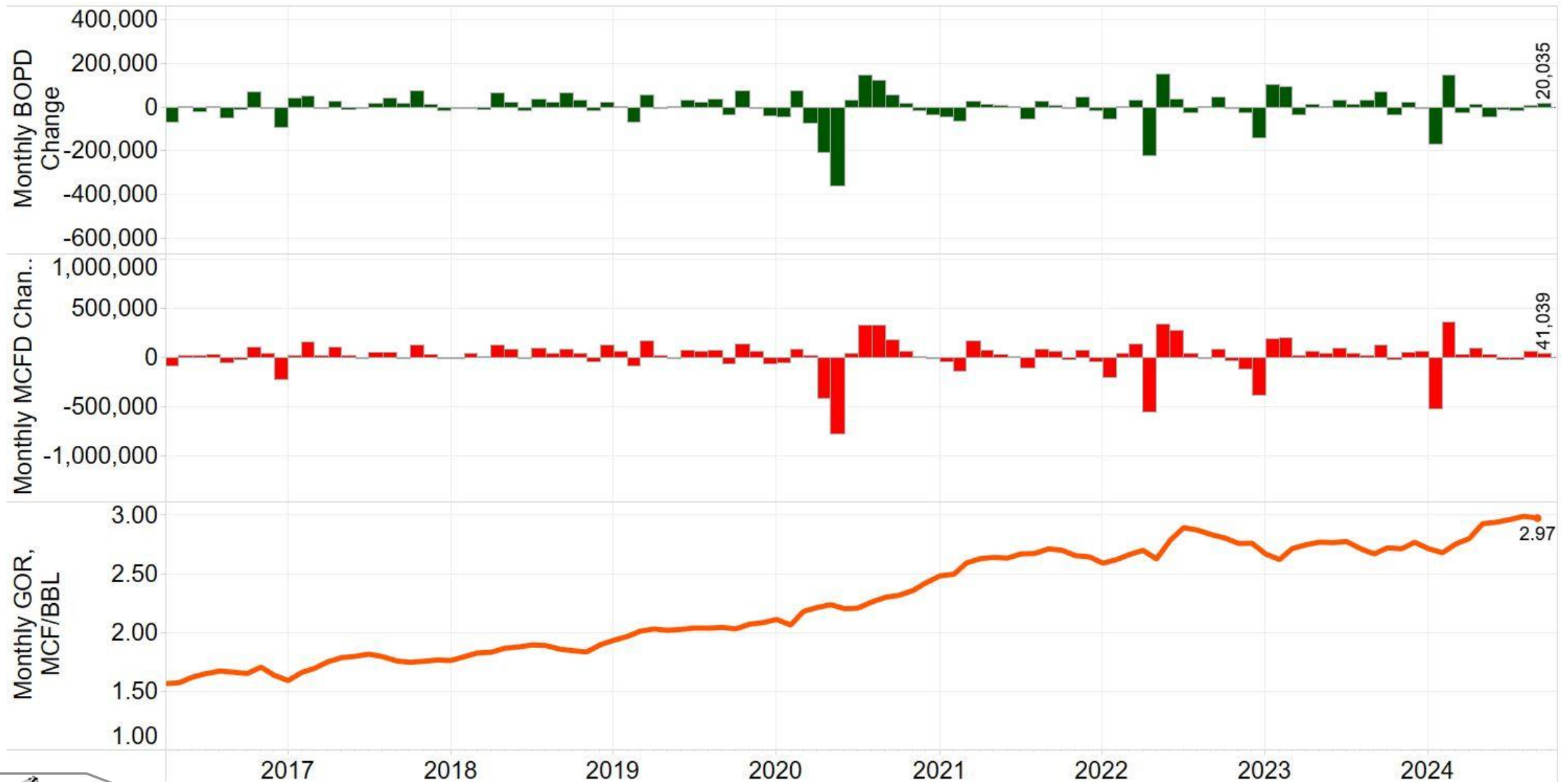
November 19, 2024

US Williston Basin Oil Production - 2024

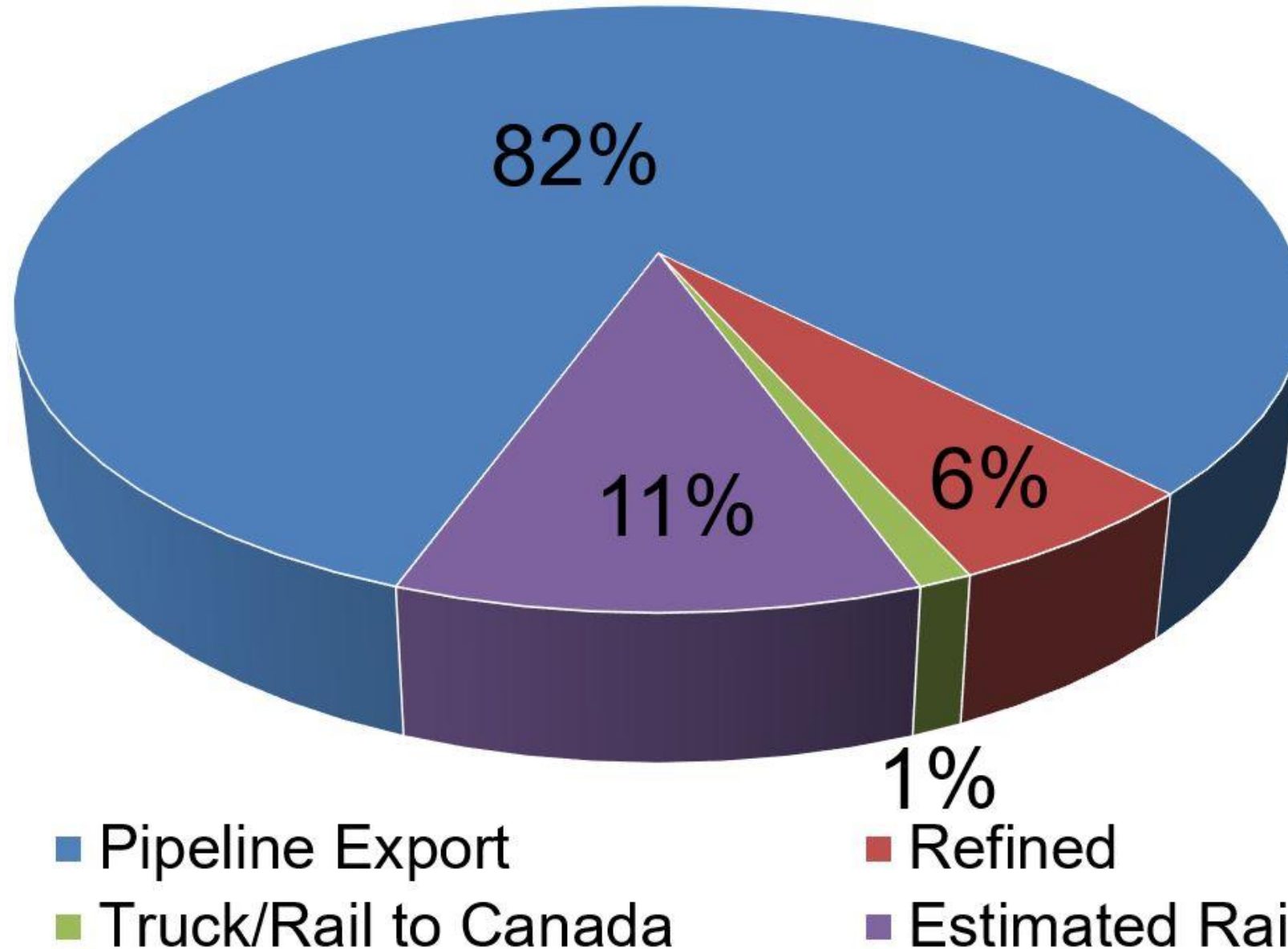
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,106,525	59,255	2,312	1,168,091
February	1,256,121	66,329	2,412	1,324,862
March	1,232,664	70,658	2,590	1,305,912
April	1,244,237	72,265	2,430	1,318,932
May	1,199,610	72,535	2,349	1,274,494
June	1,187,289	71,544	2,370	1,261,203
July	1,169,499	68,832	2,329	1,240,660
August	1,179,728	74,672	2,349	1,256,749
September	1,199,764			
October				
November				
December				



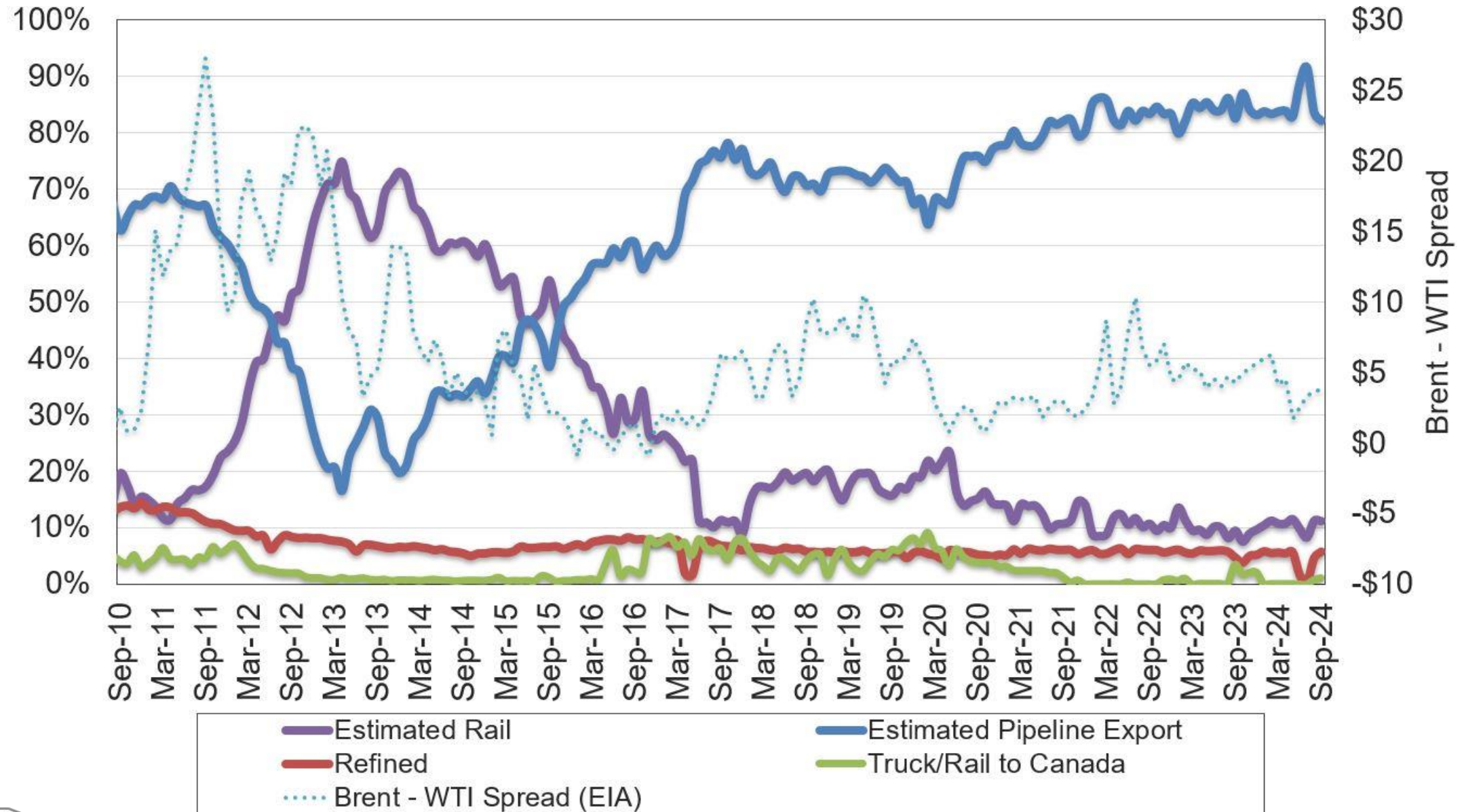
North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



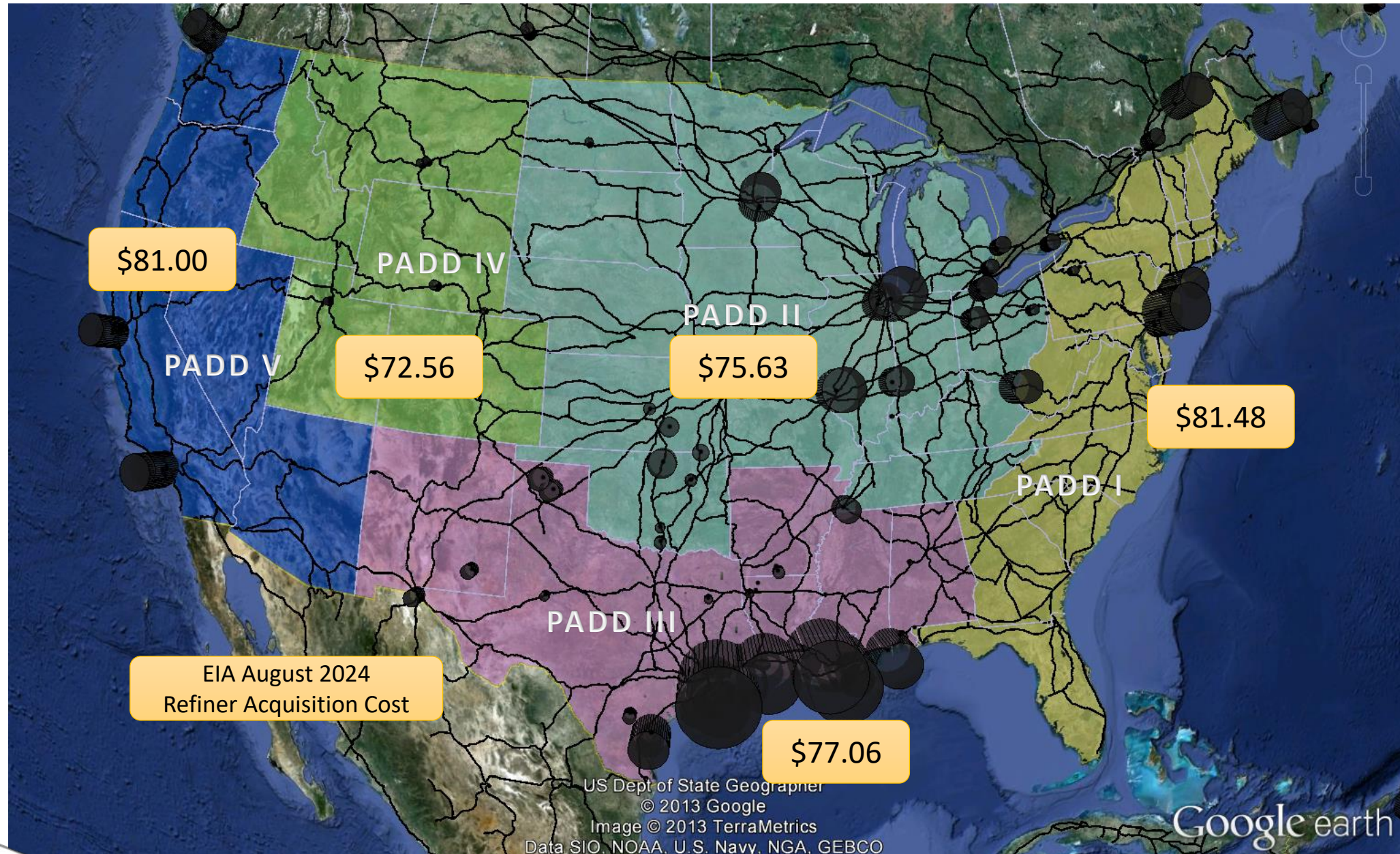
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



Major Rail Lines and Refineries



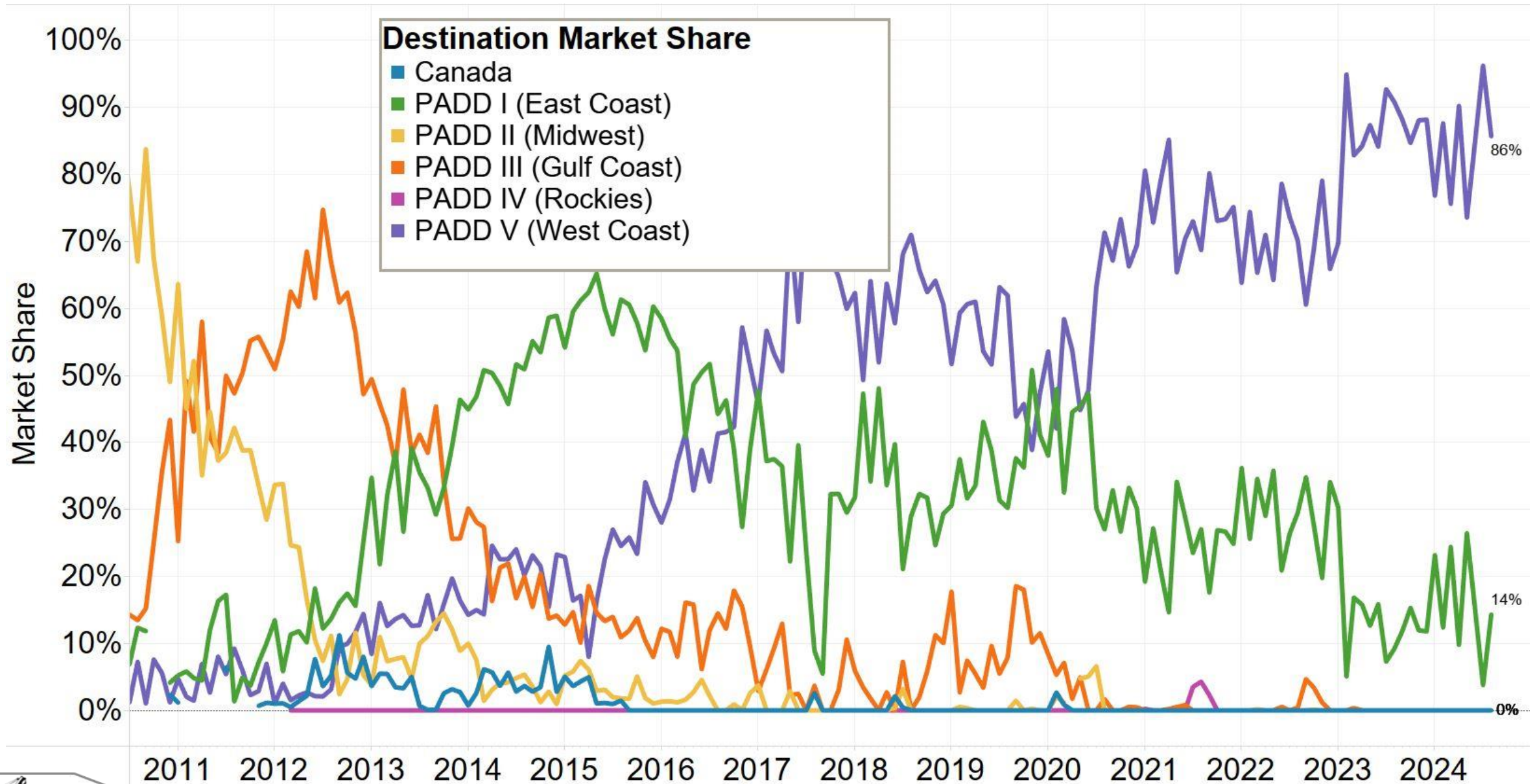
EIA August 2024
Refiner Acquisition Cost

US Dept of State Geographer
© 2013 Google
Image © 2013 TerraMetrics
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

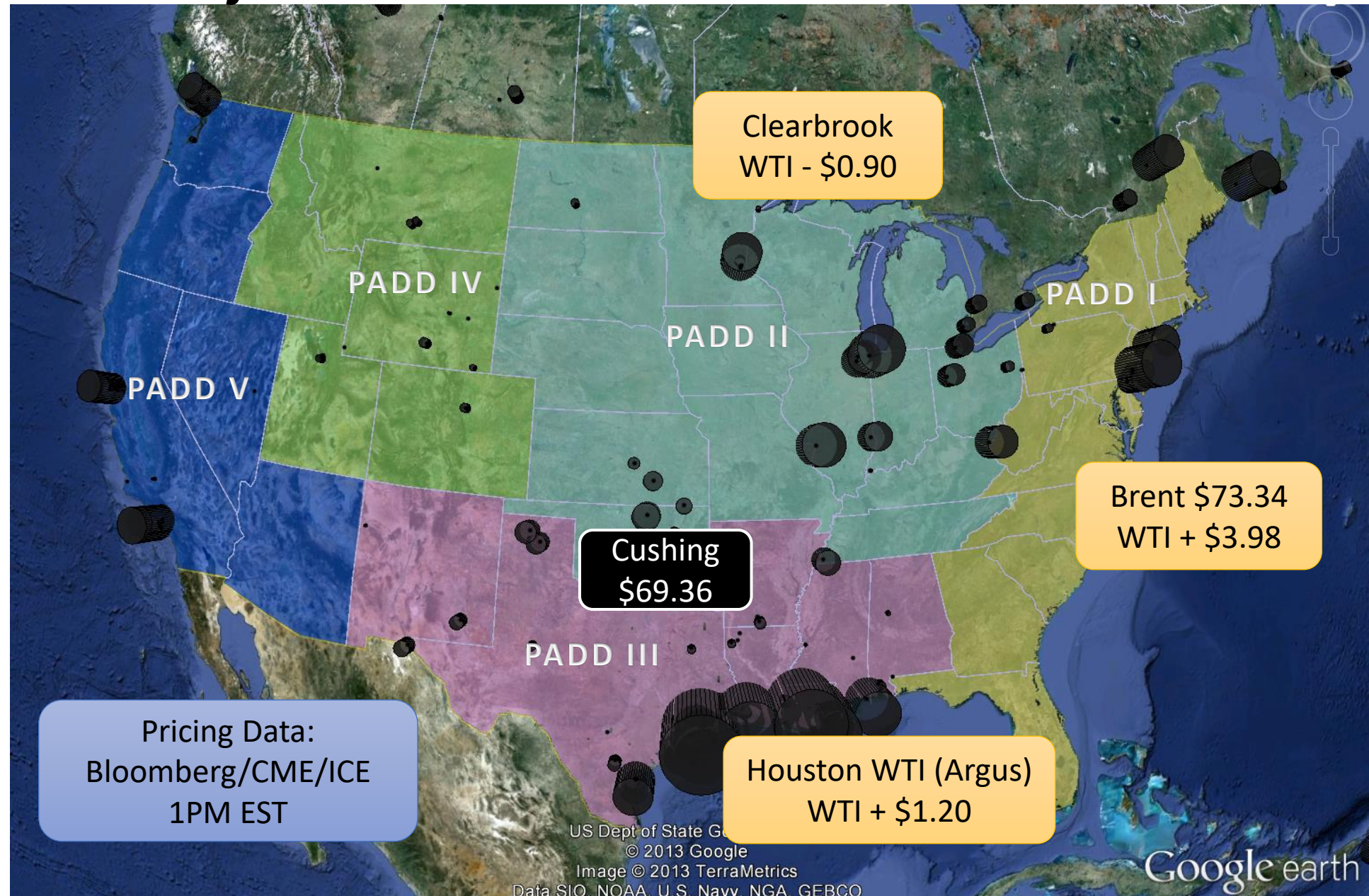
Google earth



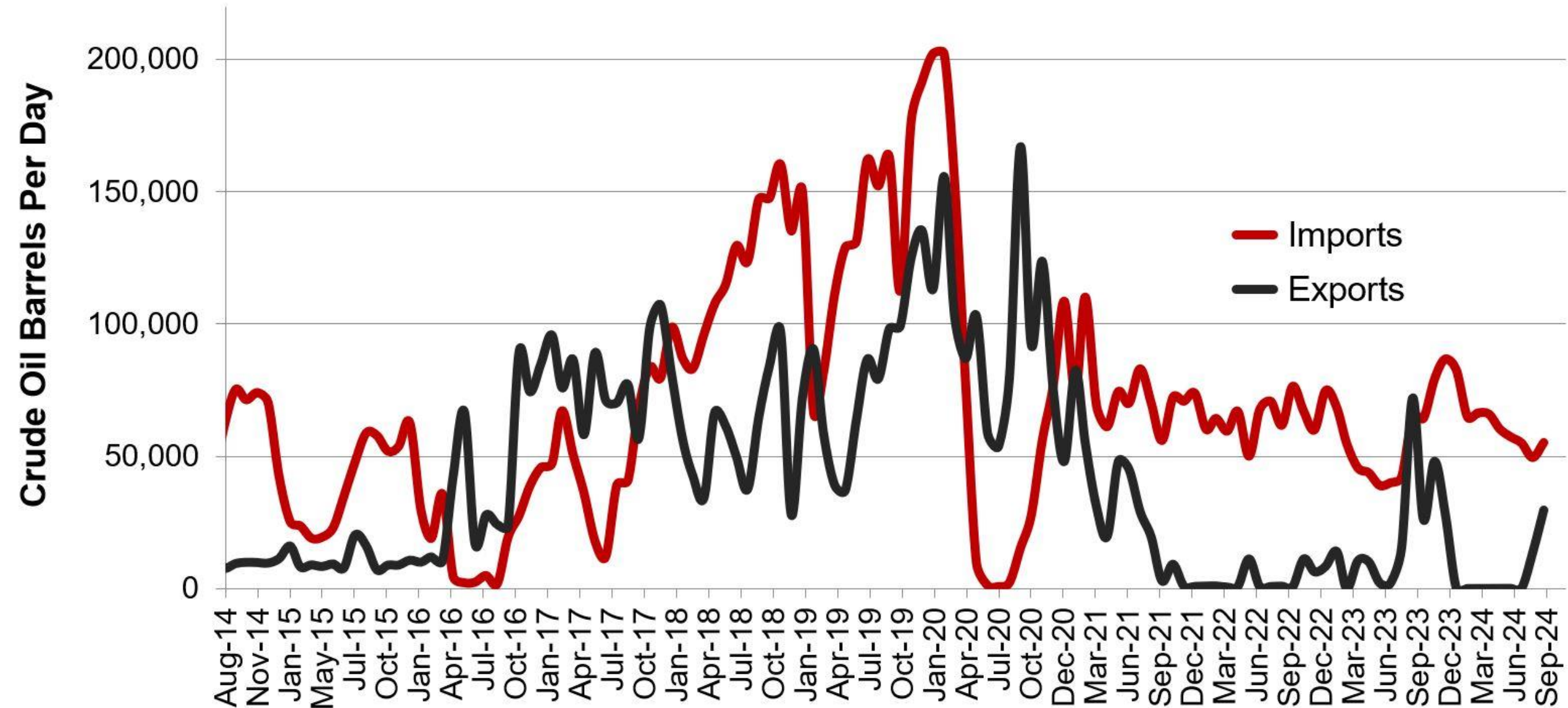
Rail Destinations Market Share (Aug. 2024)



Major Rail Lines and Refineries



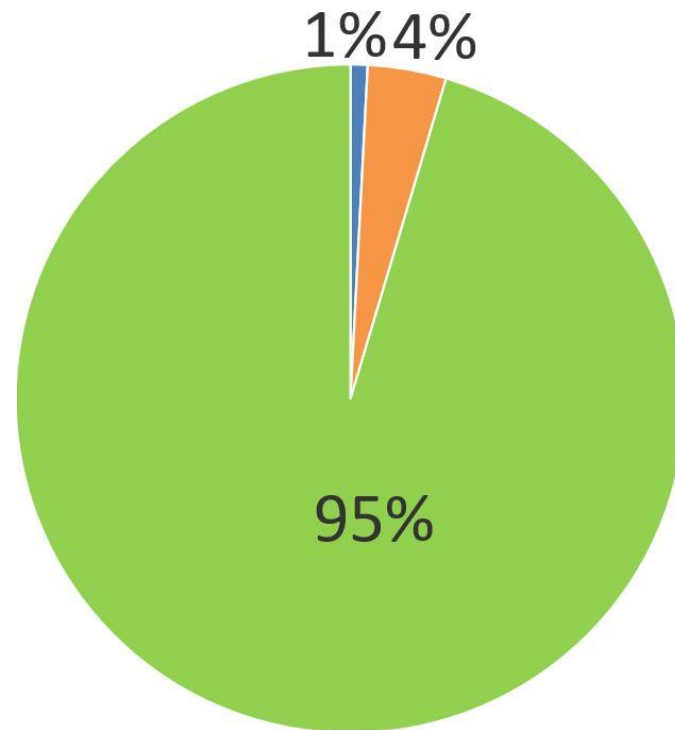
Williston Basin Truck/Rail Imports and Exports with Canada



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.

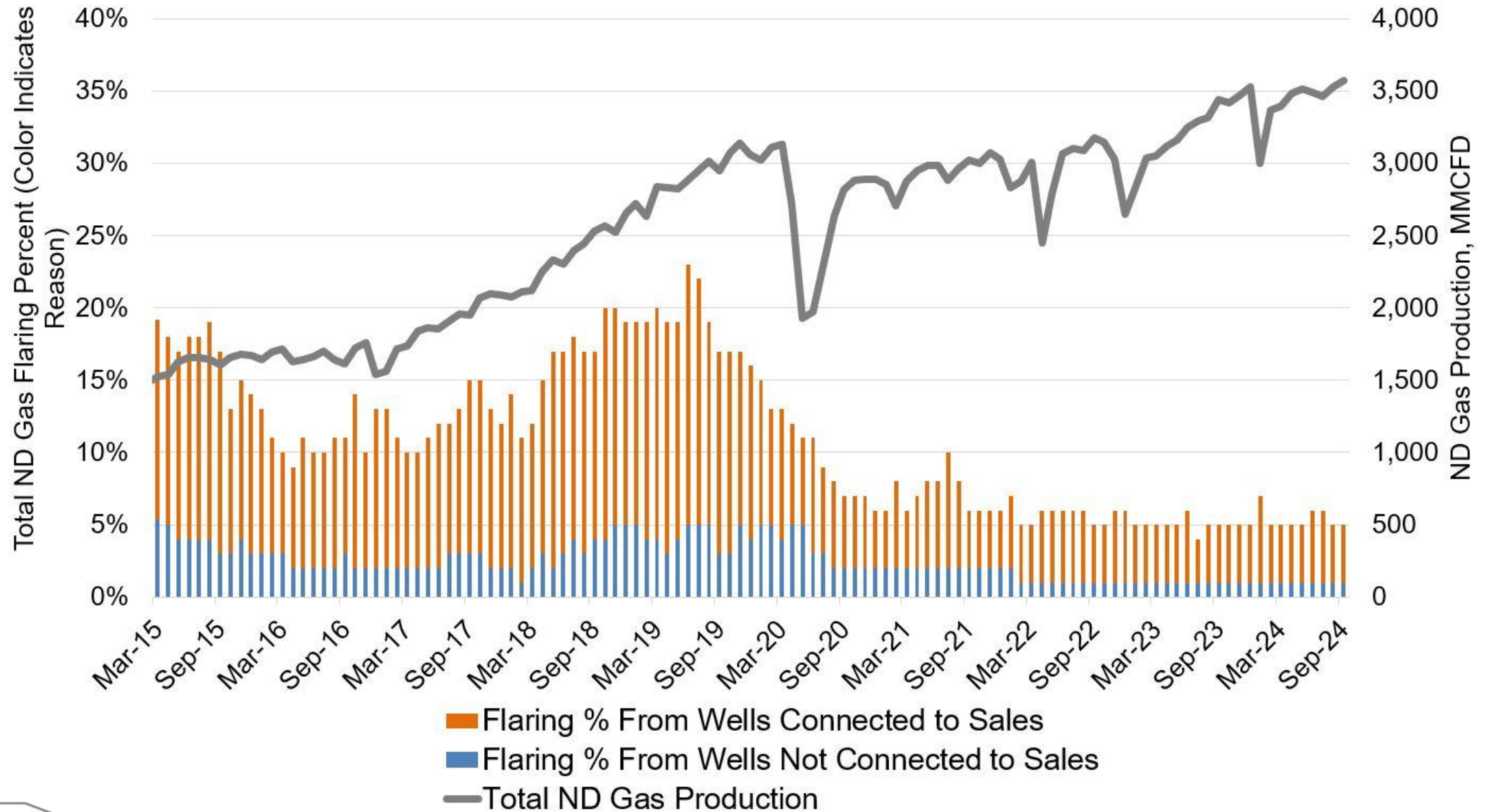
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

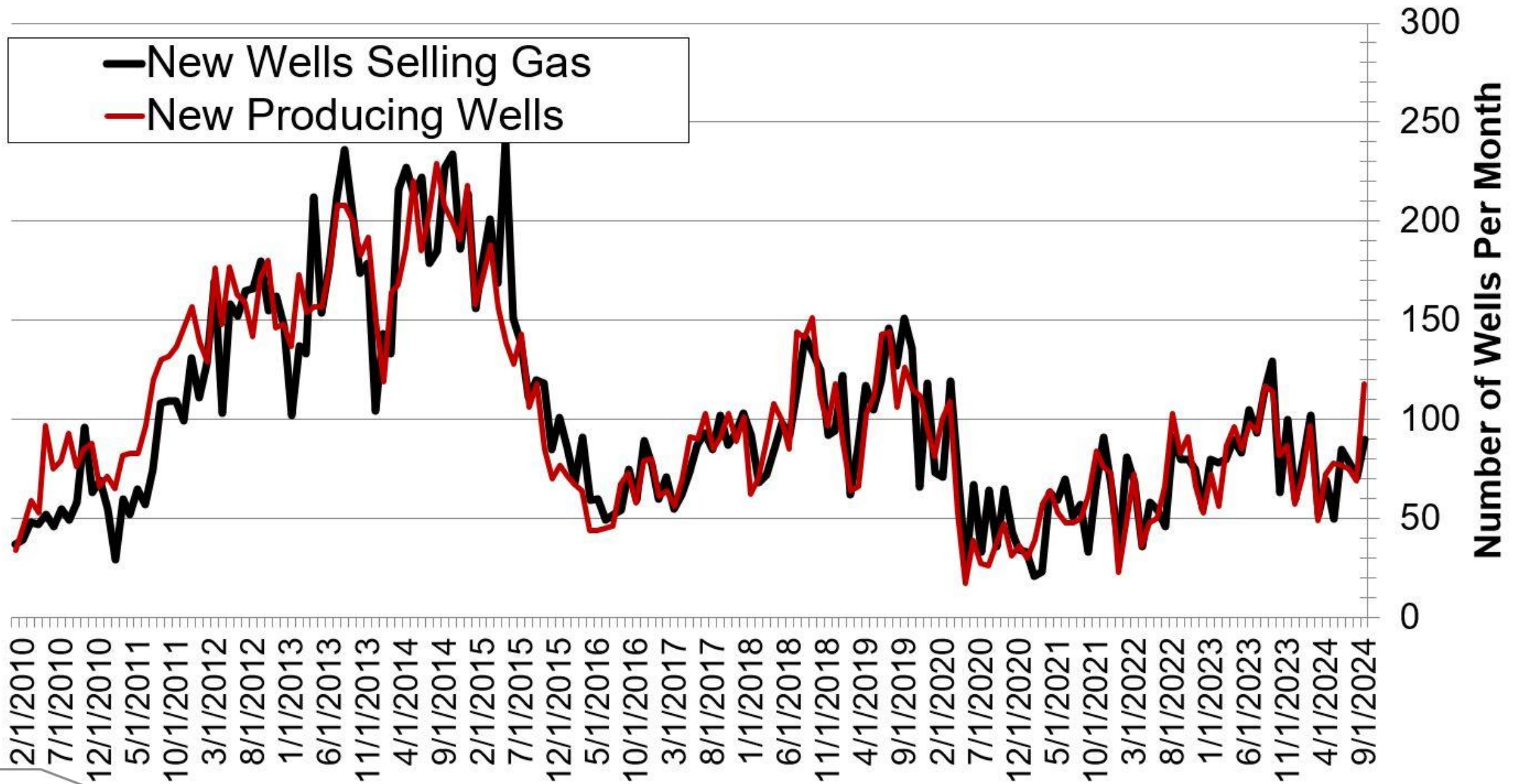
Sep 2024 Data – Non-Confidential Wells



Solving the Flaring Challenge

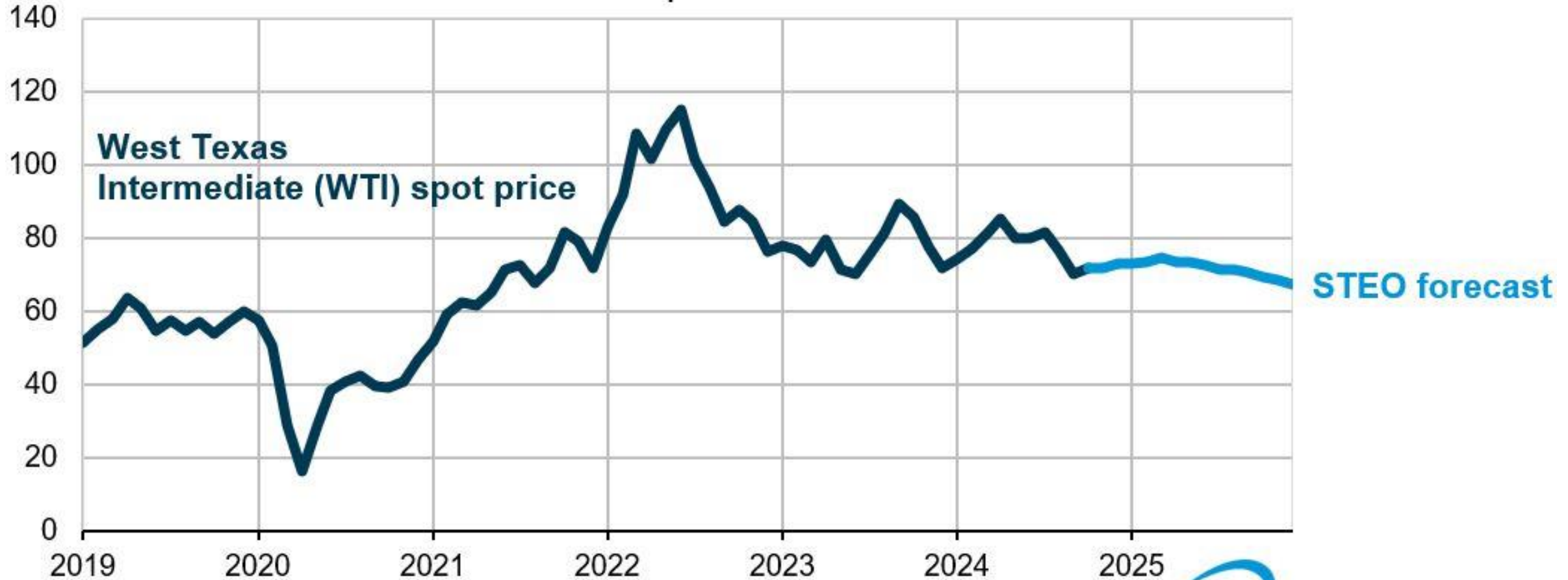


Solving the Flaring Challenge



EIA Oil Price Forecast: November 2024

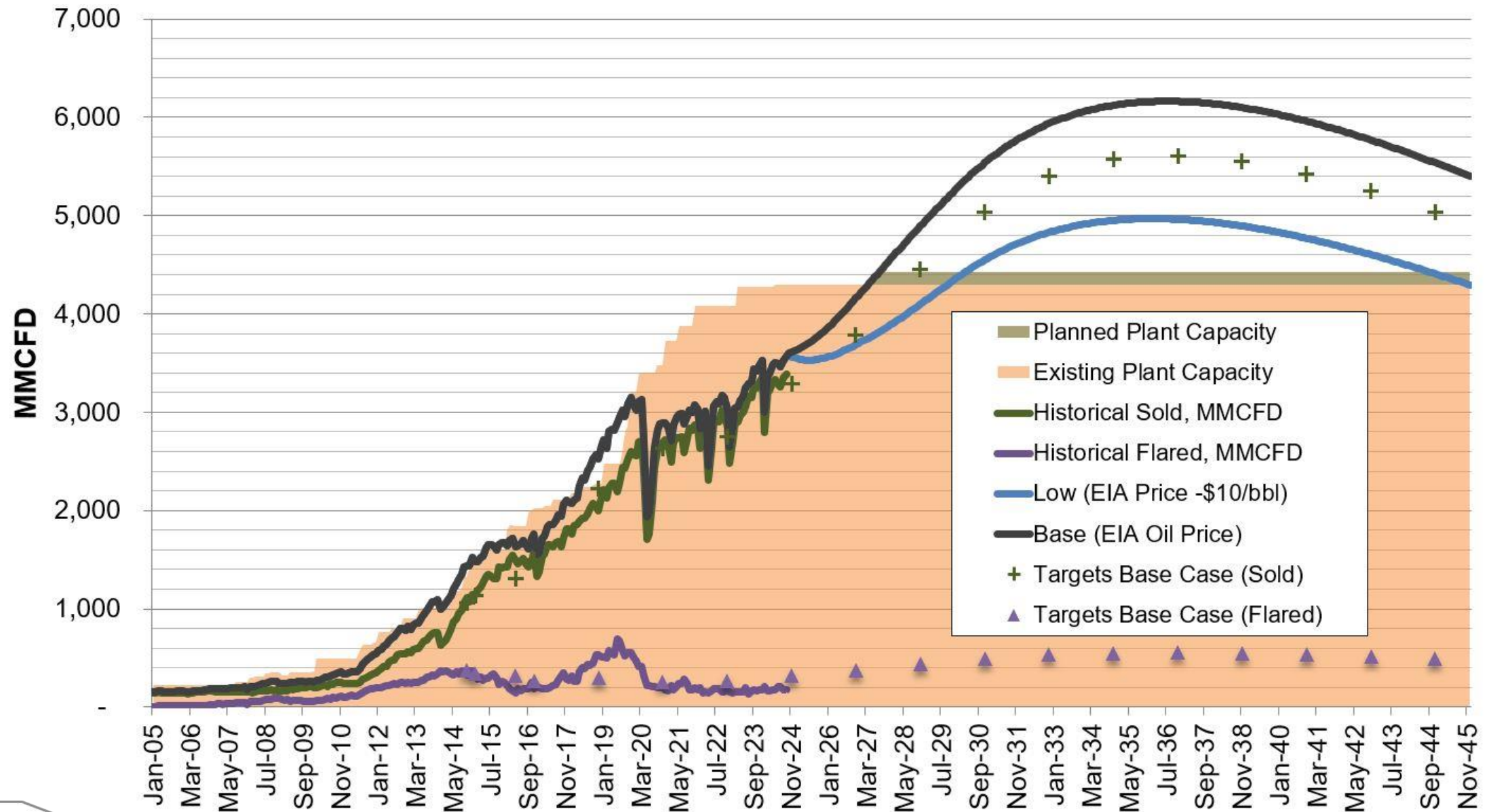
West Texas Intermediate (WTI) crude oil price dollars per barrel



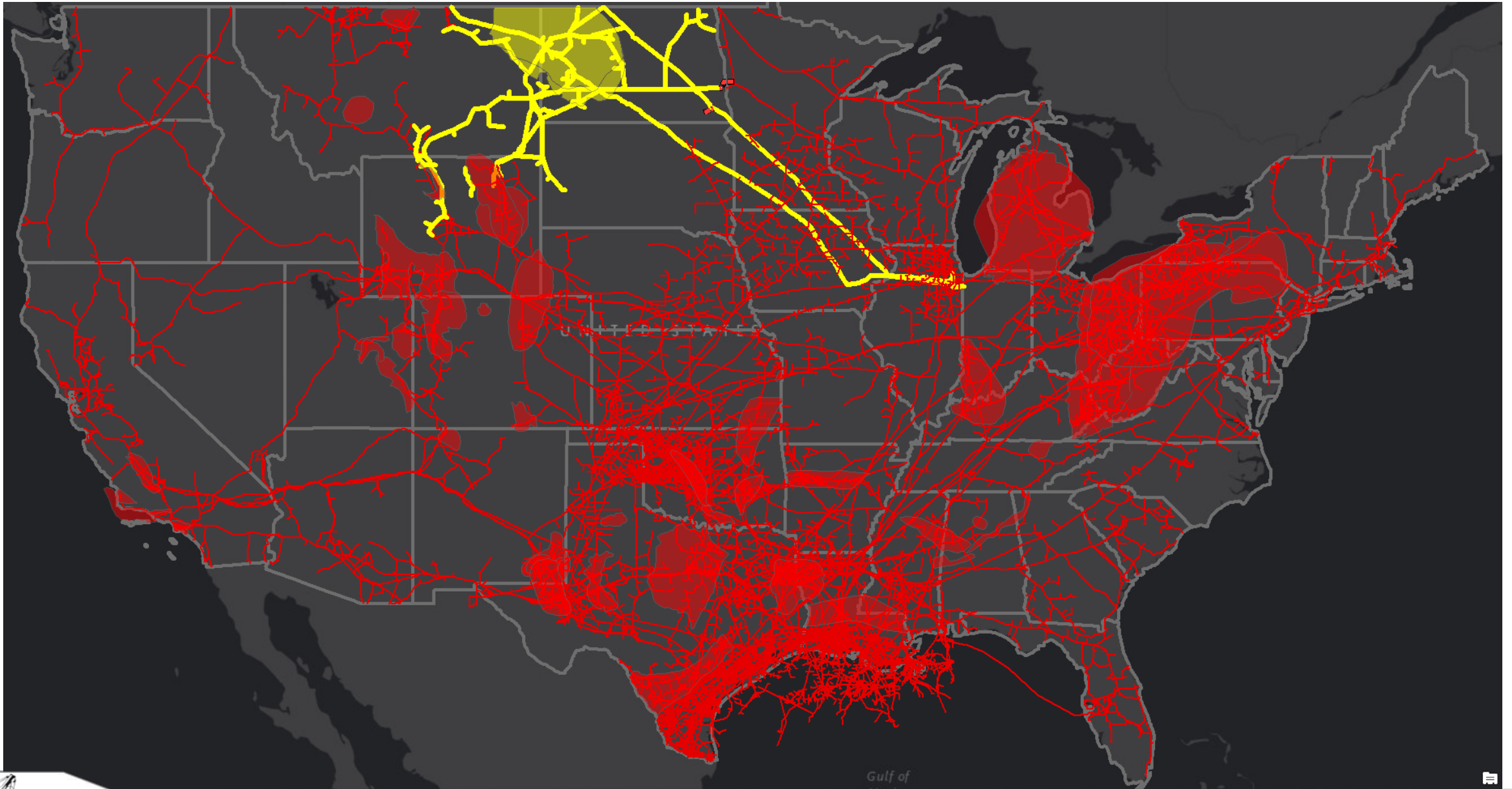
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, November 2024



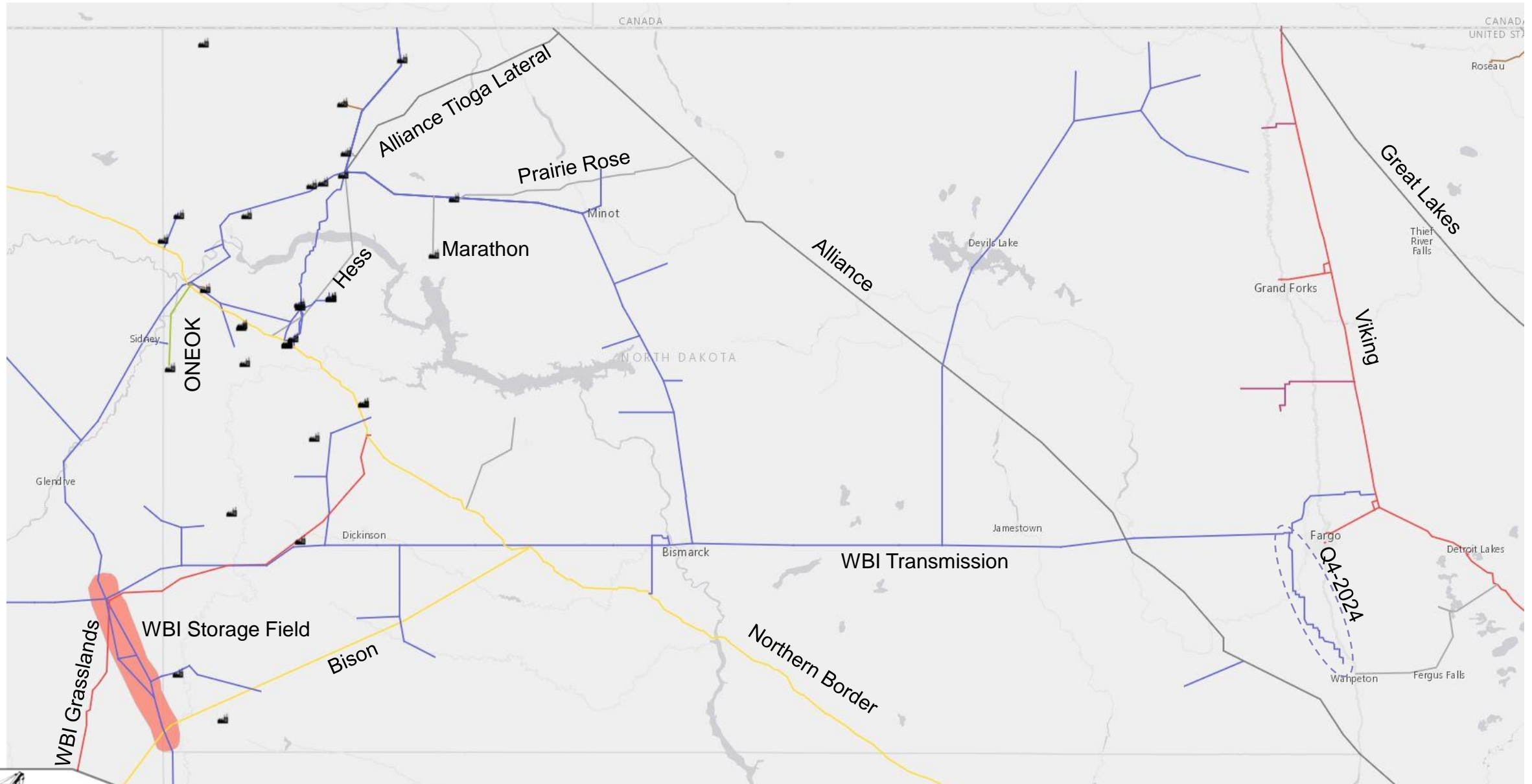
North Dakota Gas Processing Outlook



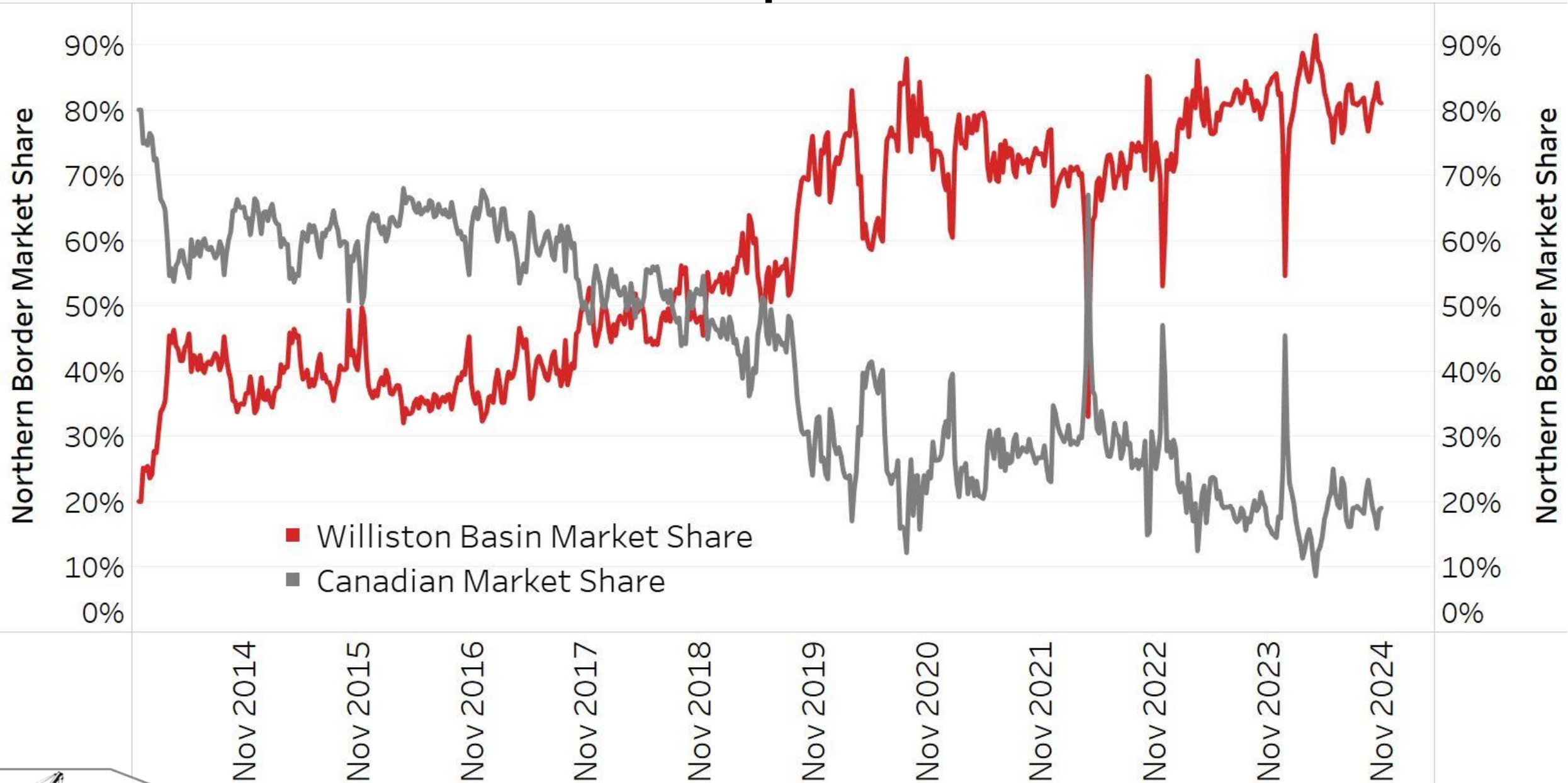
Bakken Natural Gas Infrastructure



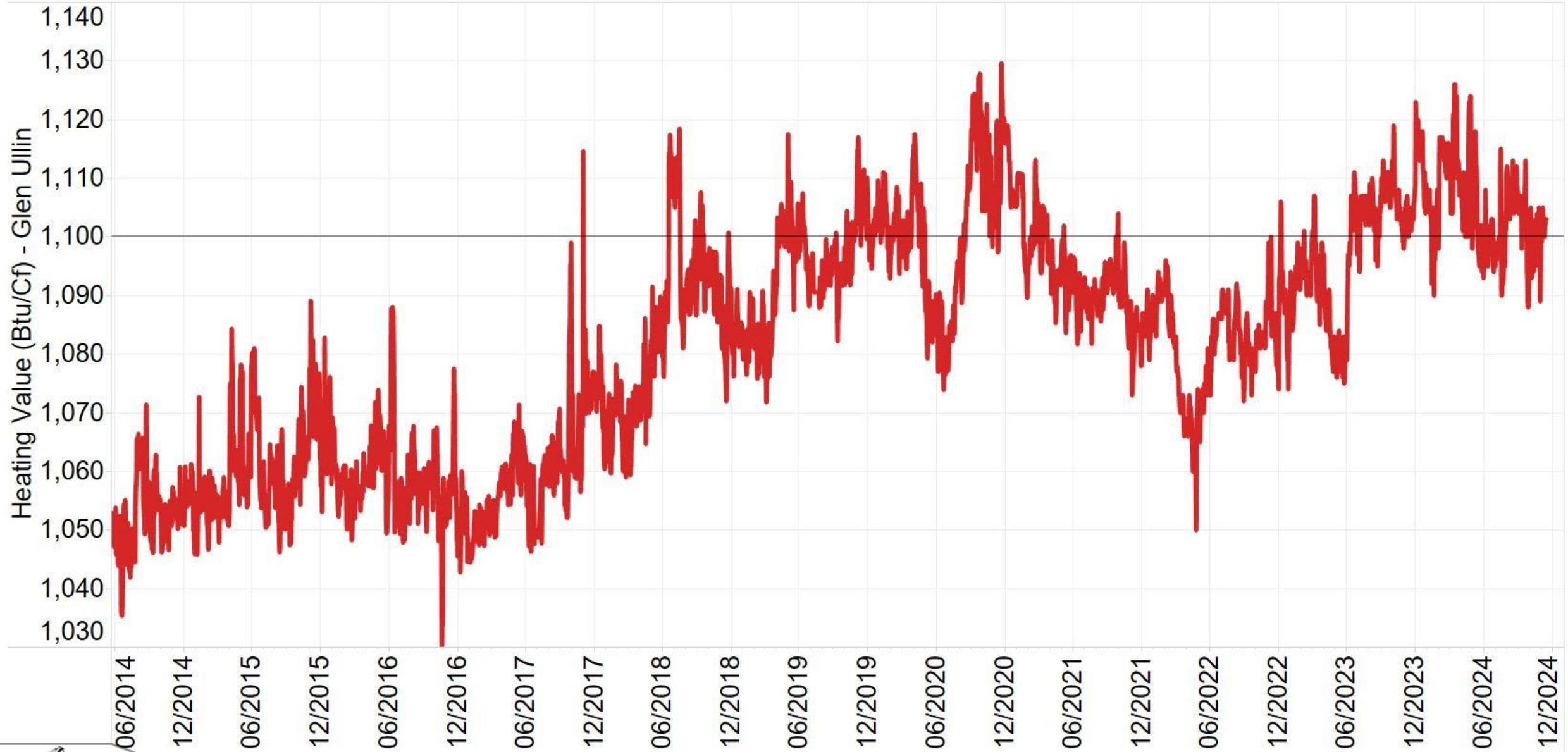
Major Residue Gas Pipeline Infrastructure



Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Wahpeton Expansion Project Construction Updates



Targeted
In-Service
December 2024



Activity	Total % Completed This Period	% of Total Job Completed
Pipeline		
Clearing / Grading		100%
Stringing		100%
Bending		100%
Welding	<1%	99%
Joint Coating	<1%	99%
Ditching		100%
Lowering	1%	100%
Backfill	1%	99%
Bores		68 of 68
Cleanup	10%	80%
Seeding ¹	0%	0%
Final Tie-in and Commissioning	0%	0%
Hydrostatic Testing	0 of 2	1 of 2



Contact Information

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