



October 2024 Monthly Update North Dakota Pipeline Authority

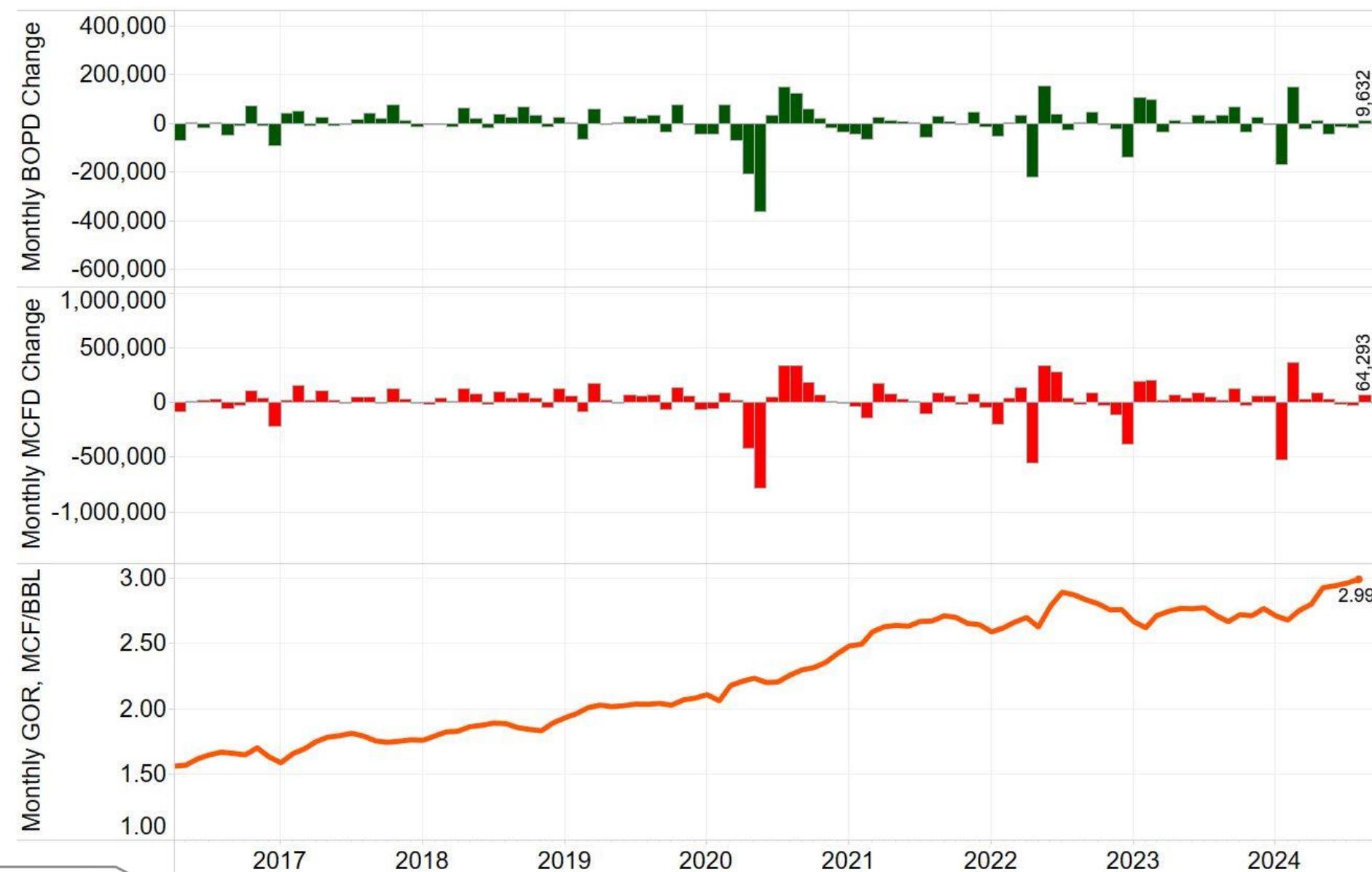
Justin J. Kringstad
October 17, 2024

US Williston Basin Oil Production - 2024

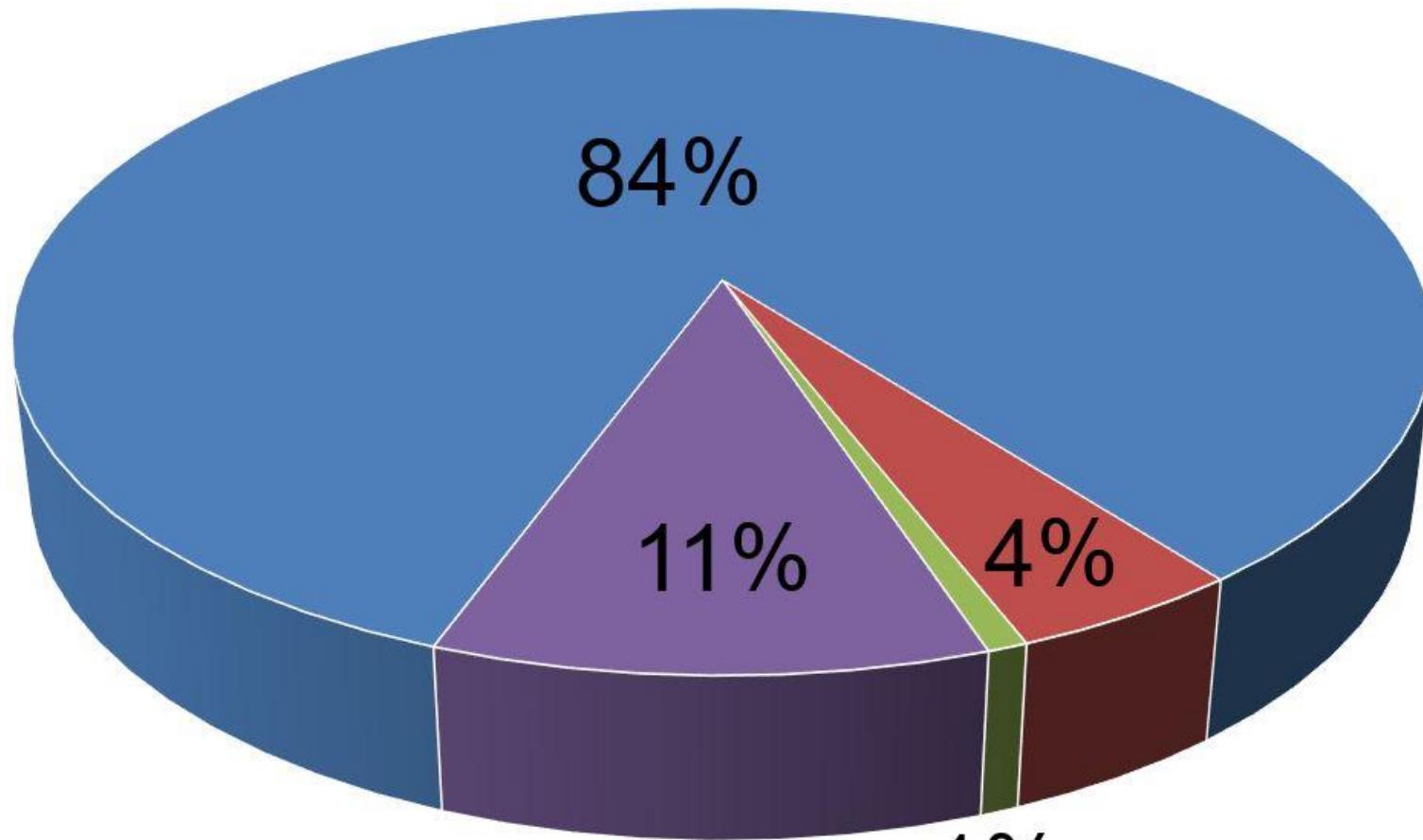
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,106,526	59,255	2,312	1,168,092
February	1,256,157	66,329	2,412	1,324,898
March	1,232,640	70,658	2,590	1,305,888
April	1,244,277	72,257	2,430	1,318,964
May	1,199,645	72,515	2,349	1,274,509
June	1,186,394	71,481	2,370	1,260,245
July	1,169,499	68,597	2,329	1,240,424
August	1,179,131			
September				
October				
November				
December				



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

1%

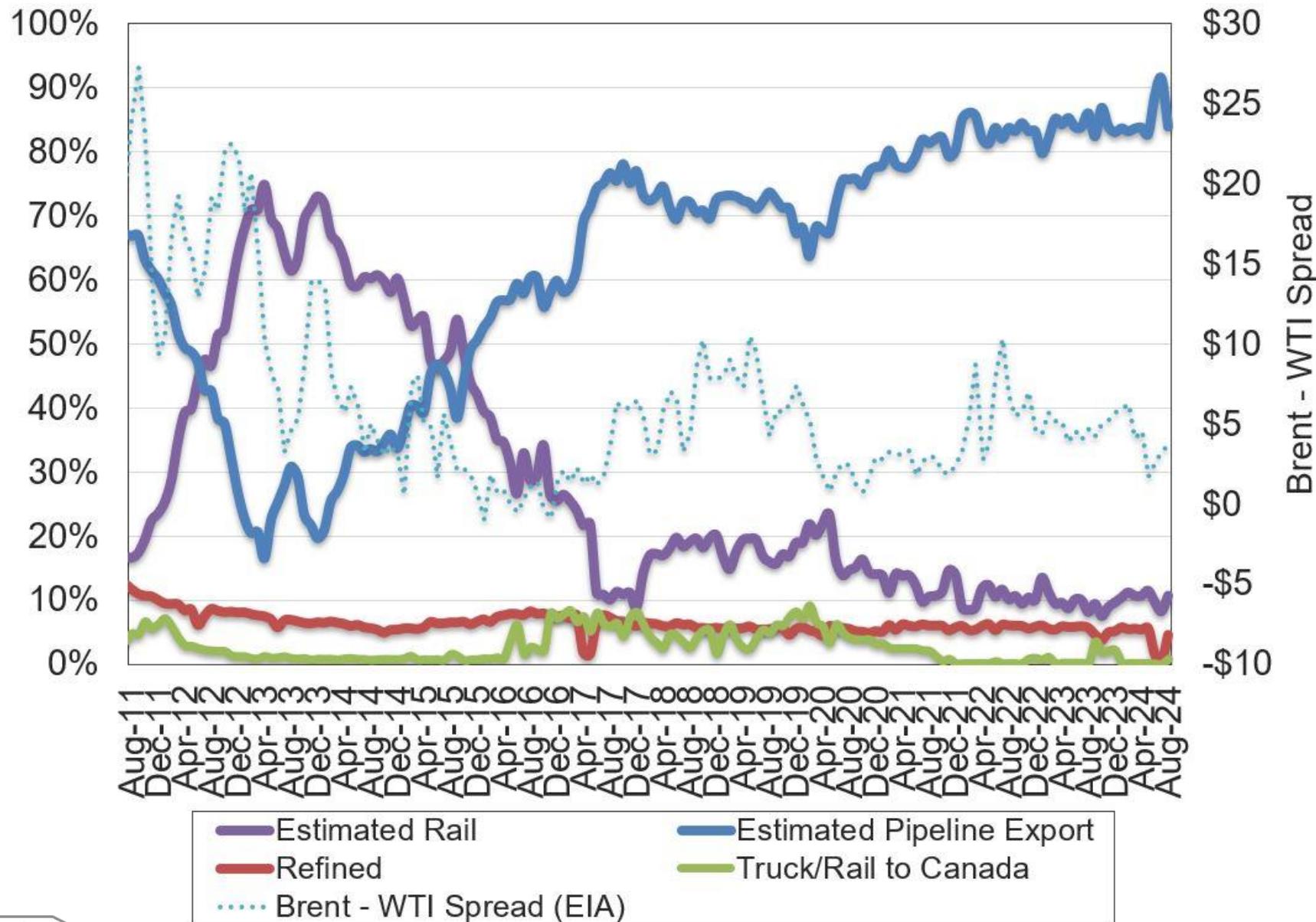
■ Refined

■ Estimated Rail

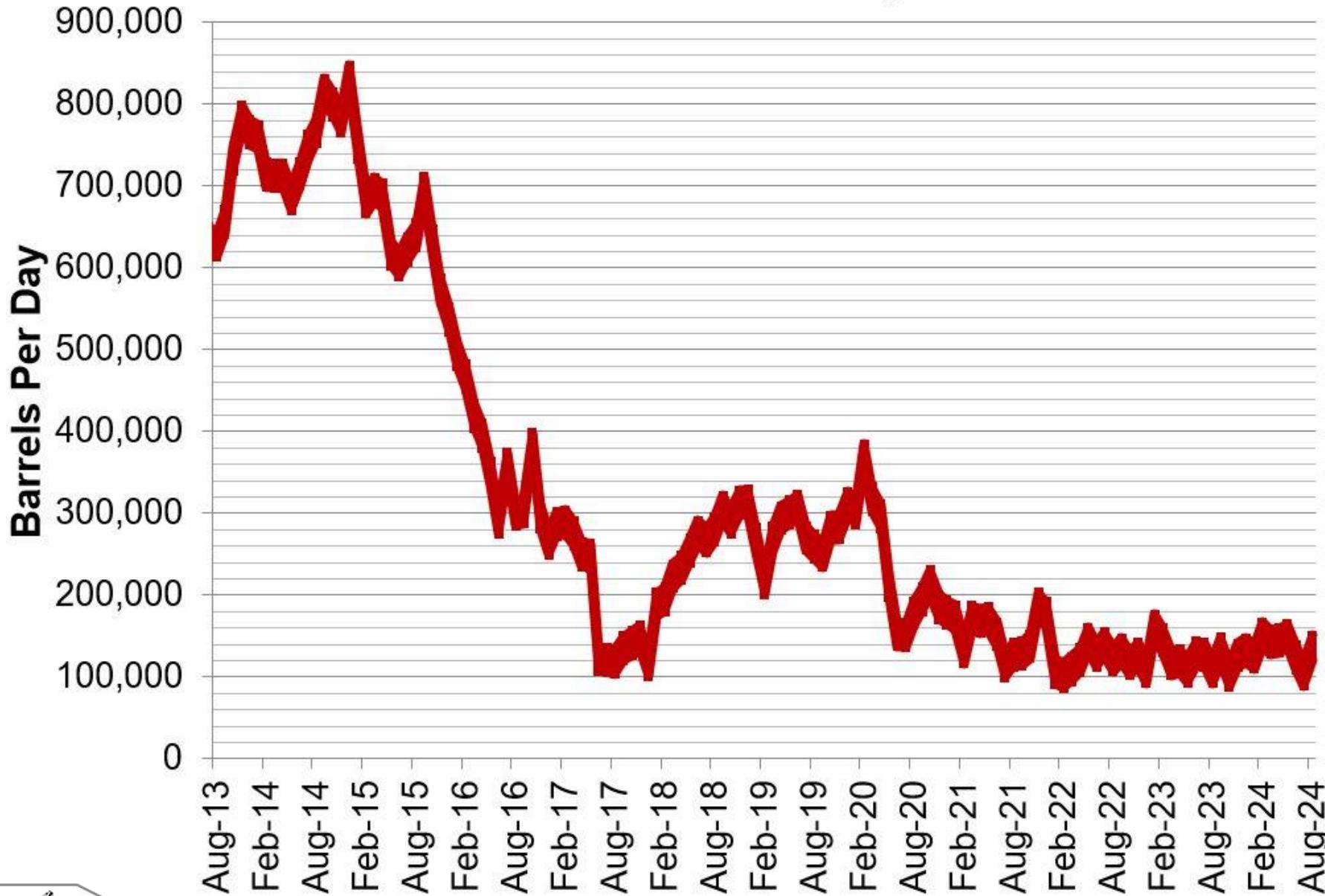
August 2024



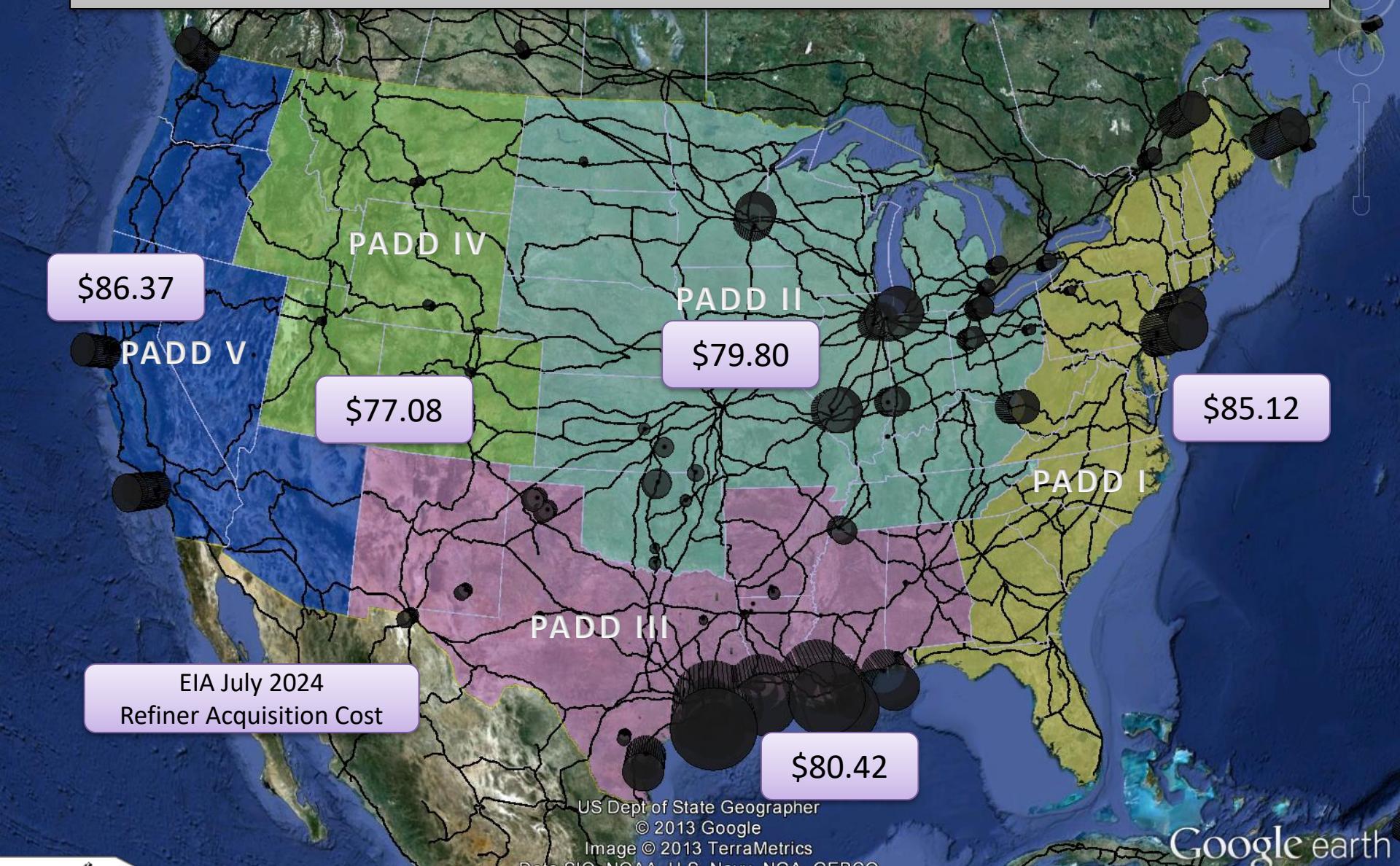
Estimated Williston Basin Oil Transportation



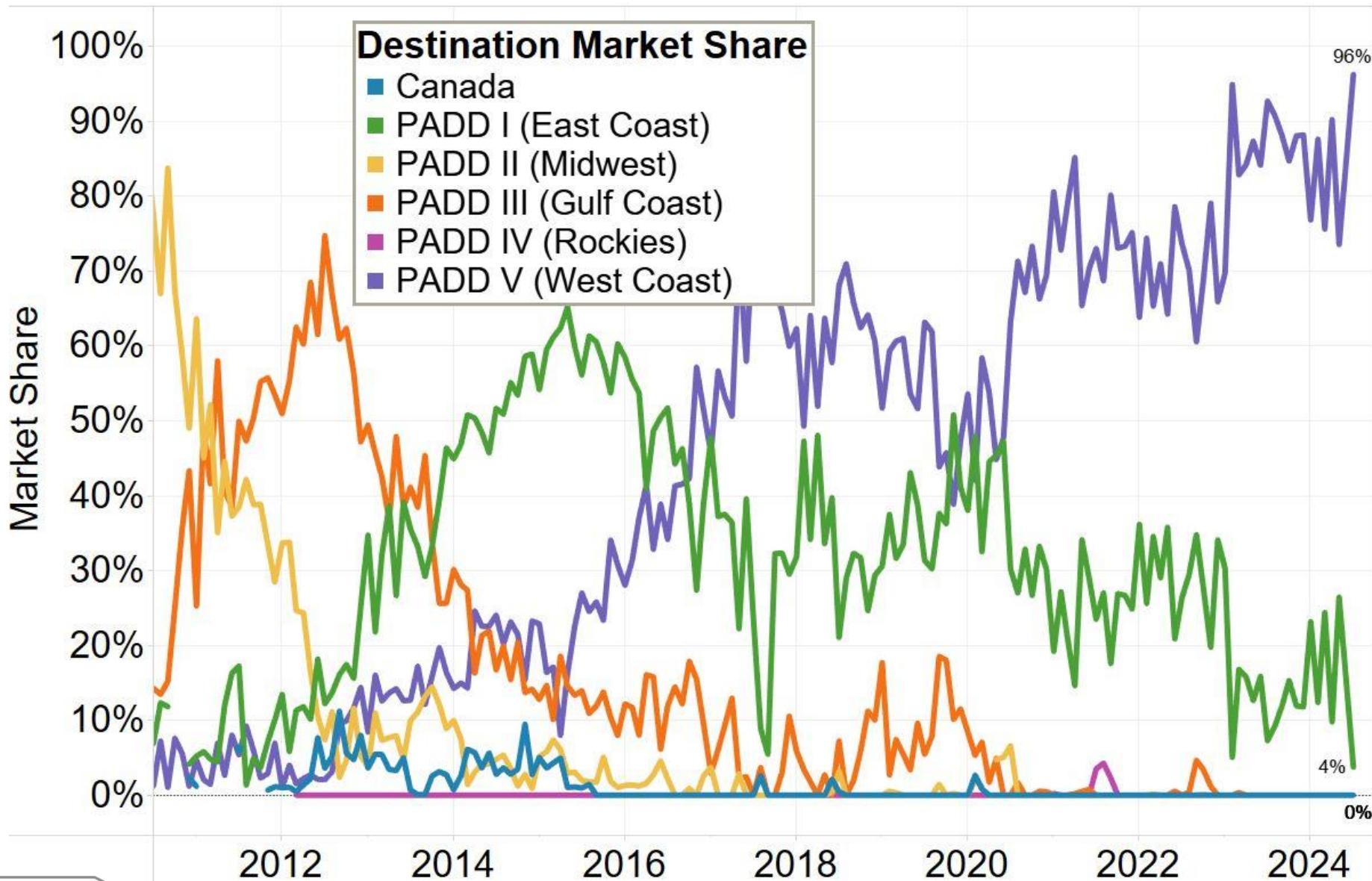
Estimated ND Rail Export Volumes



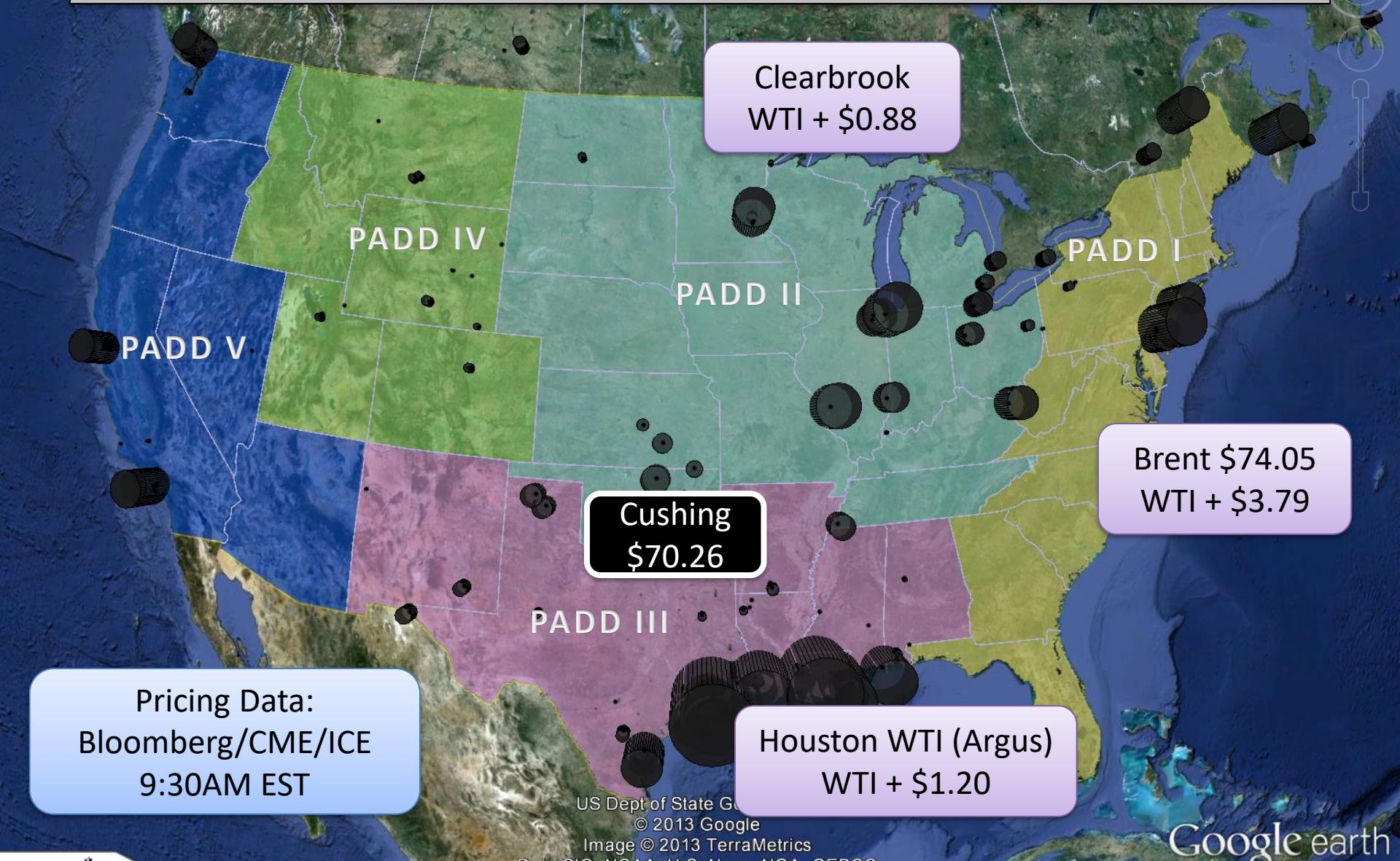
Major Rail Lines and Refineries



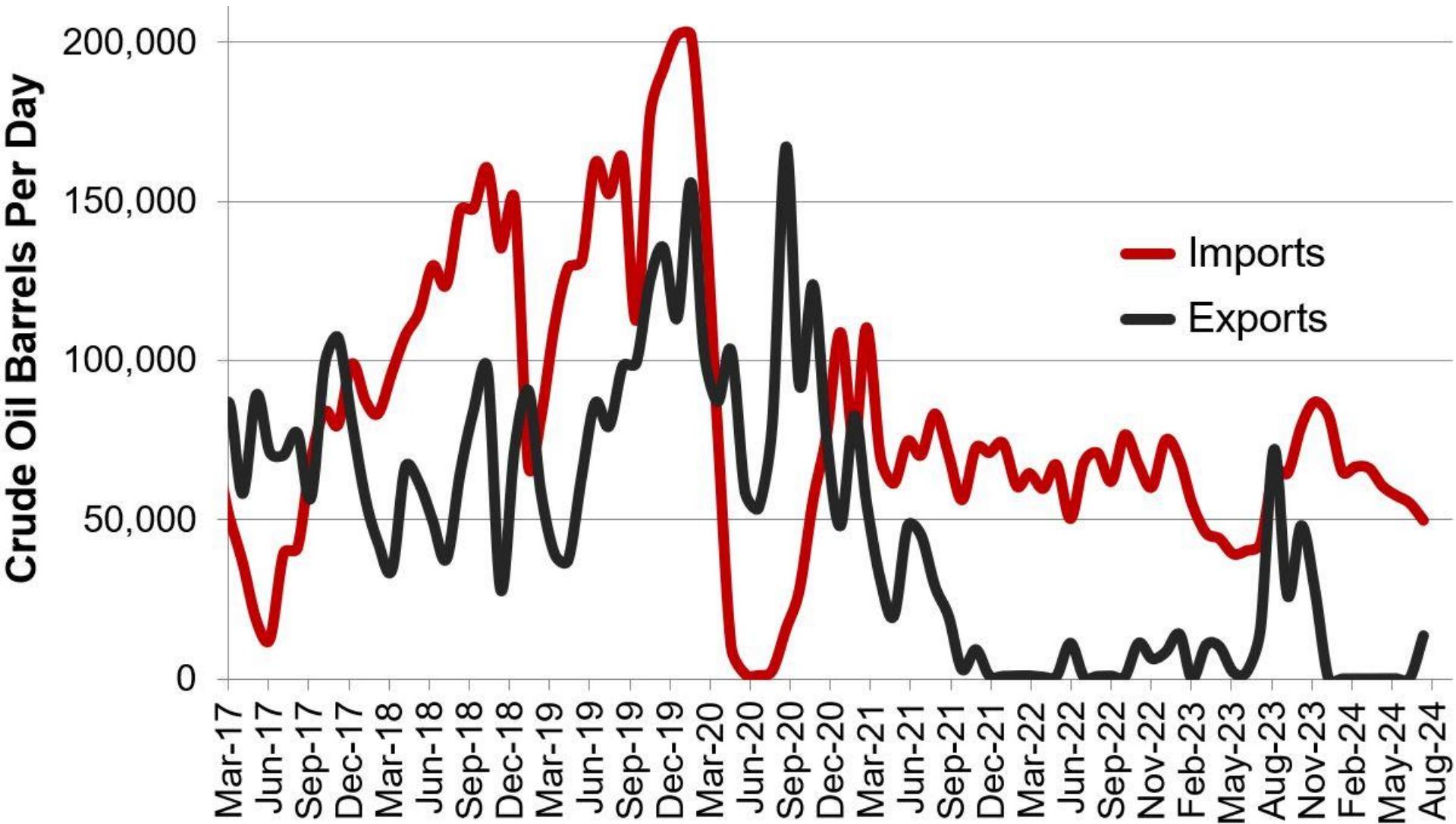
Rail Destinations Market Share (July 2024)



Crude Oil Prices – Oct. 17, 2024



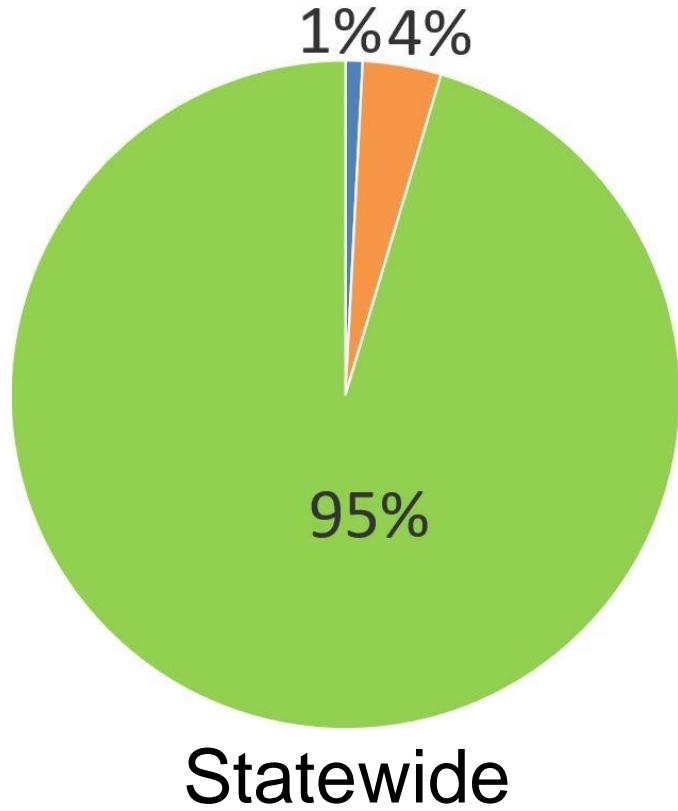
Williston Basin Truck/Rail Imports and Exports with Canada



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



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

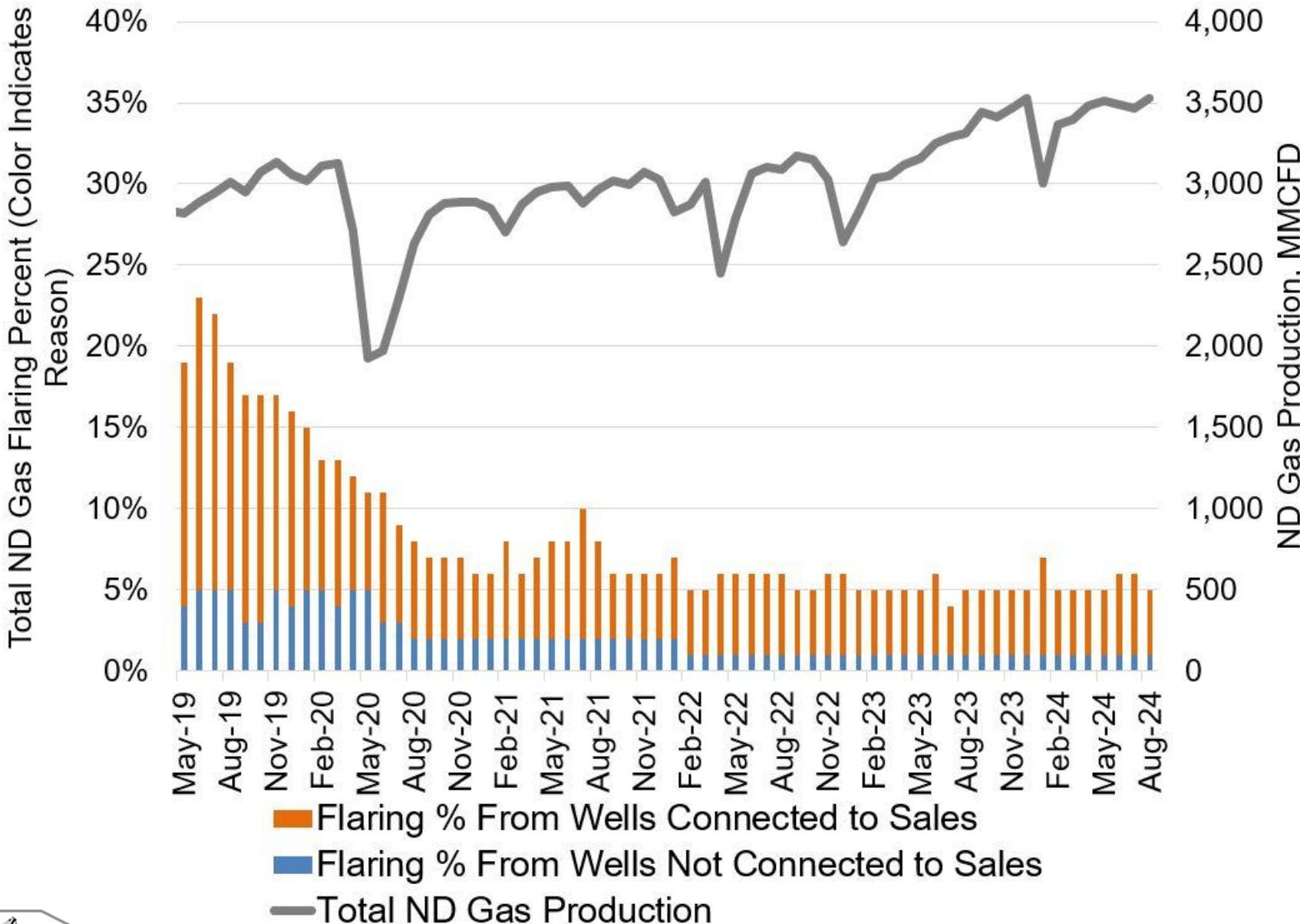
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Aug 2024 Data – Non-Confidential Wells

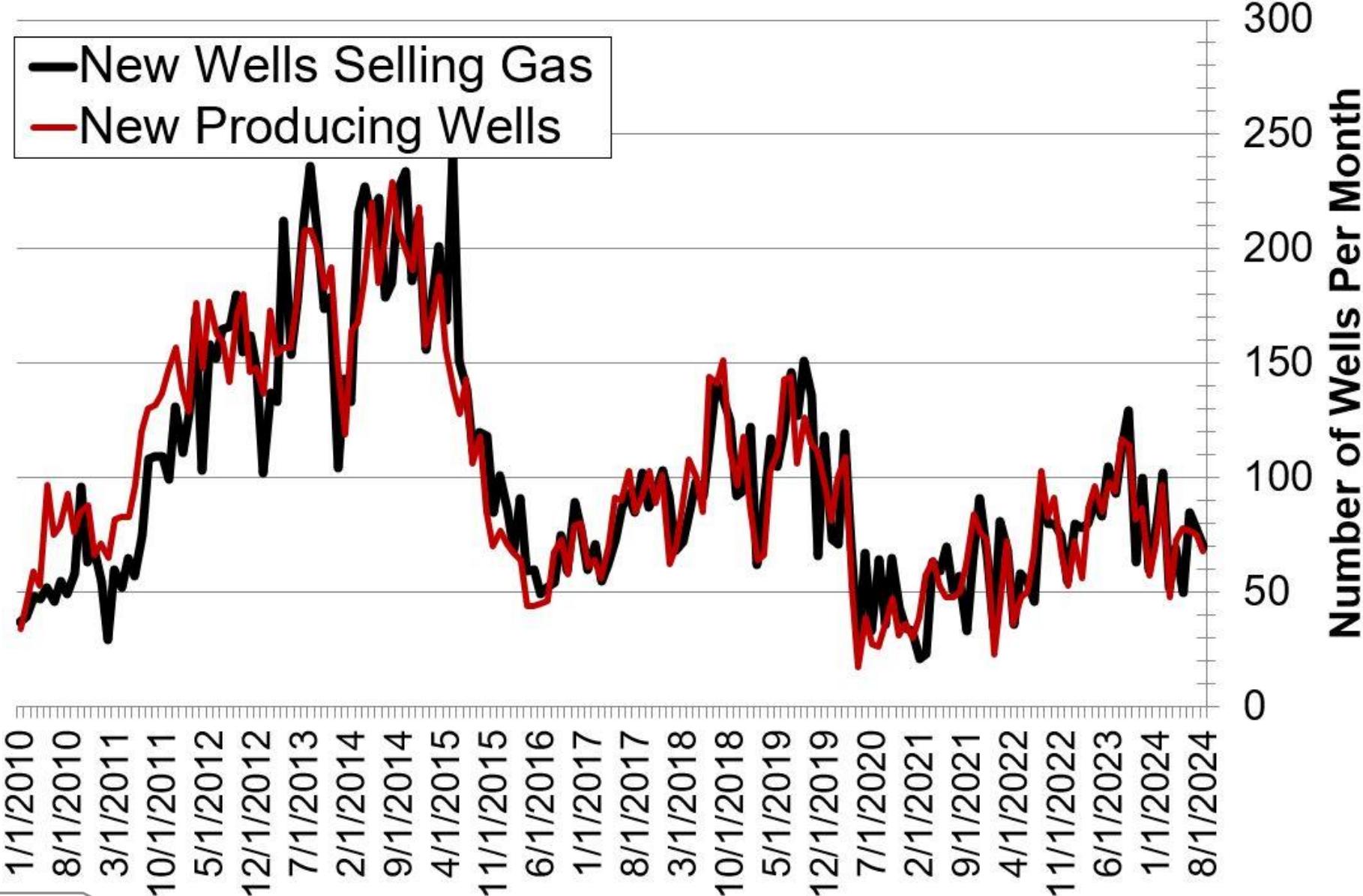


Solving the Flaring Challenge



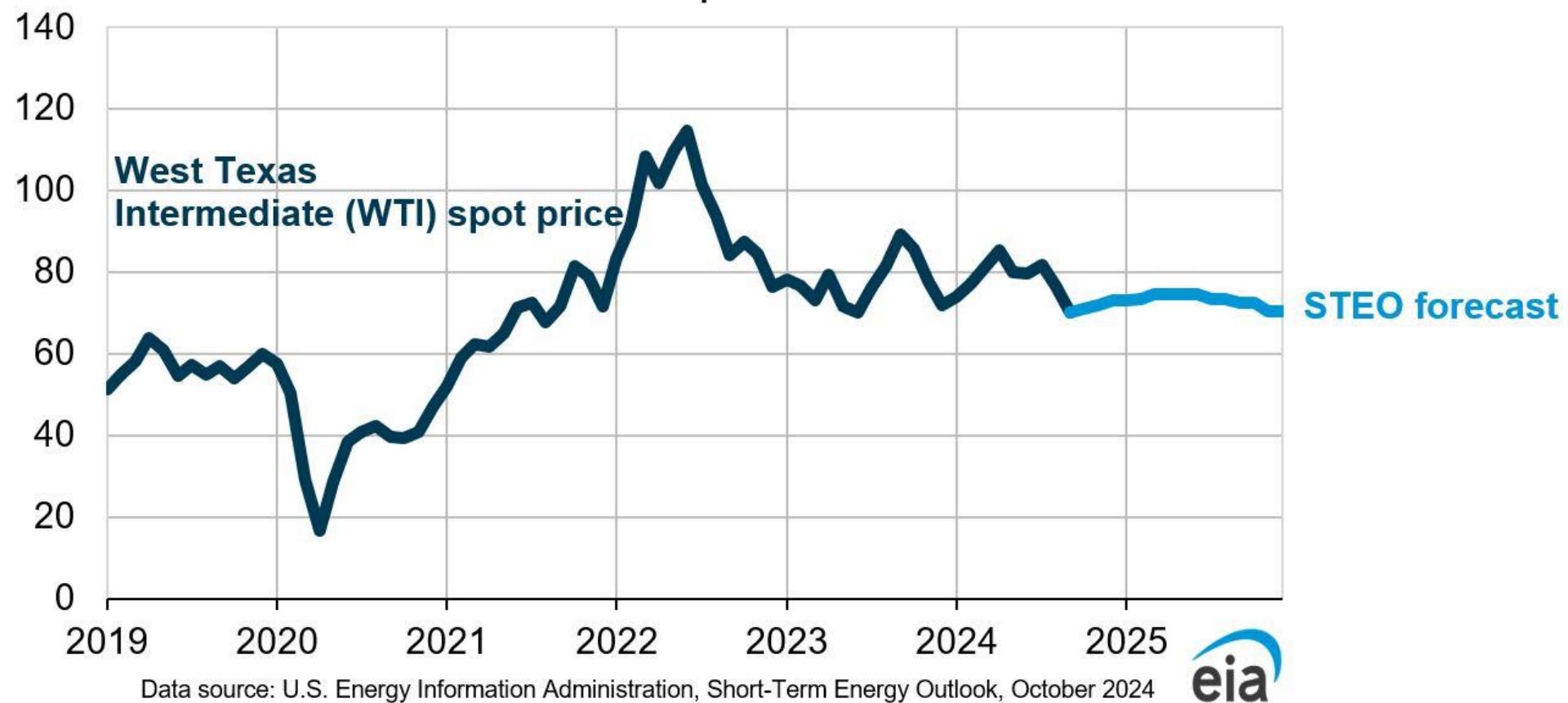
Solving the Flaring Challenge

- New Wells Selling Gas
- New Producing Wells

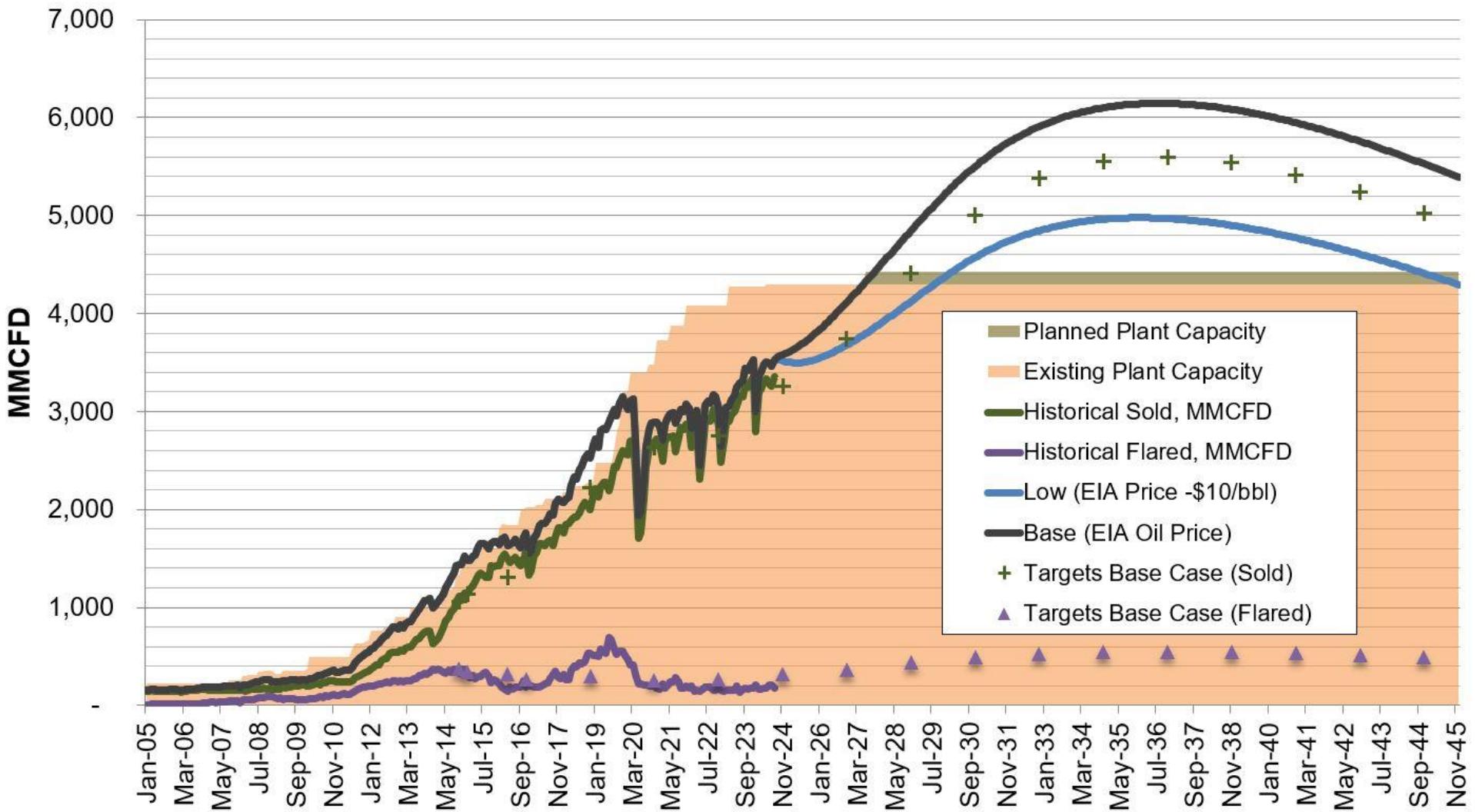


EIA Oil Price Forecast: October 2024

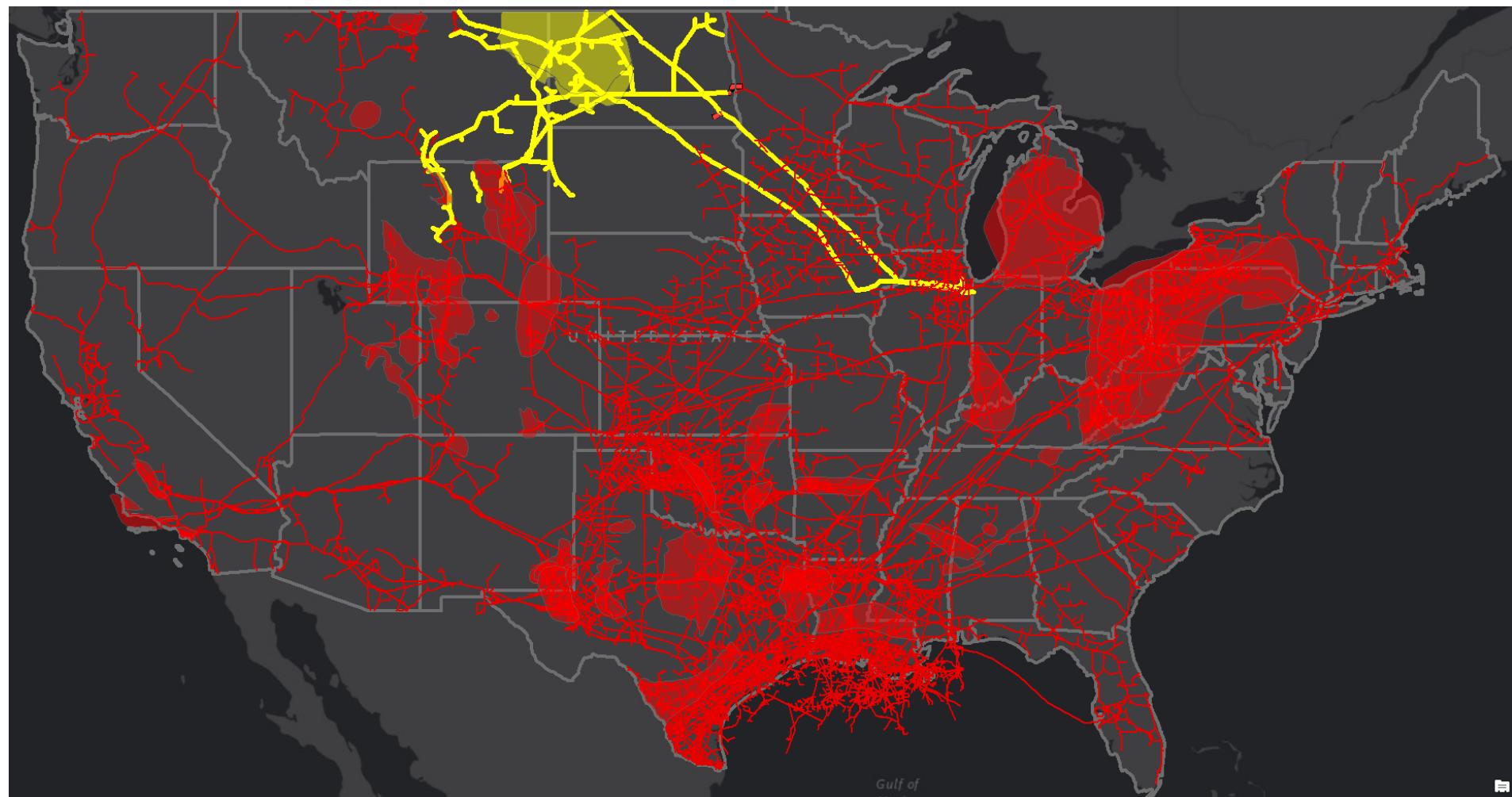
West Texas Intermediate (WTI) crude oil price
dollars per barrel



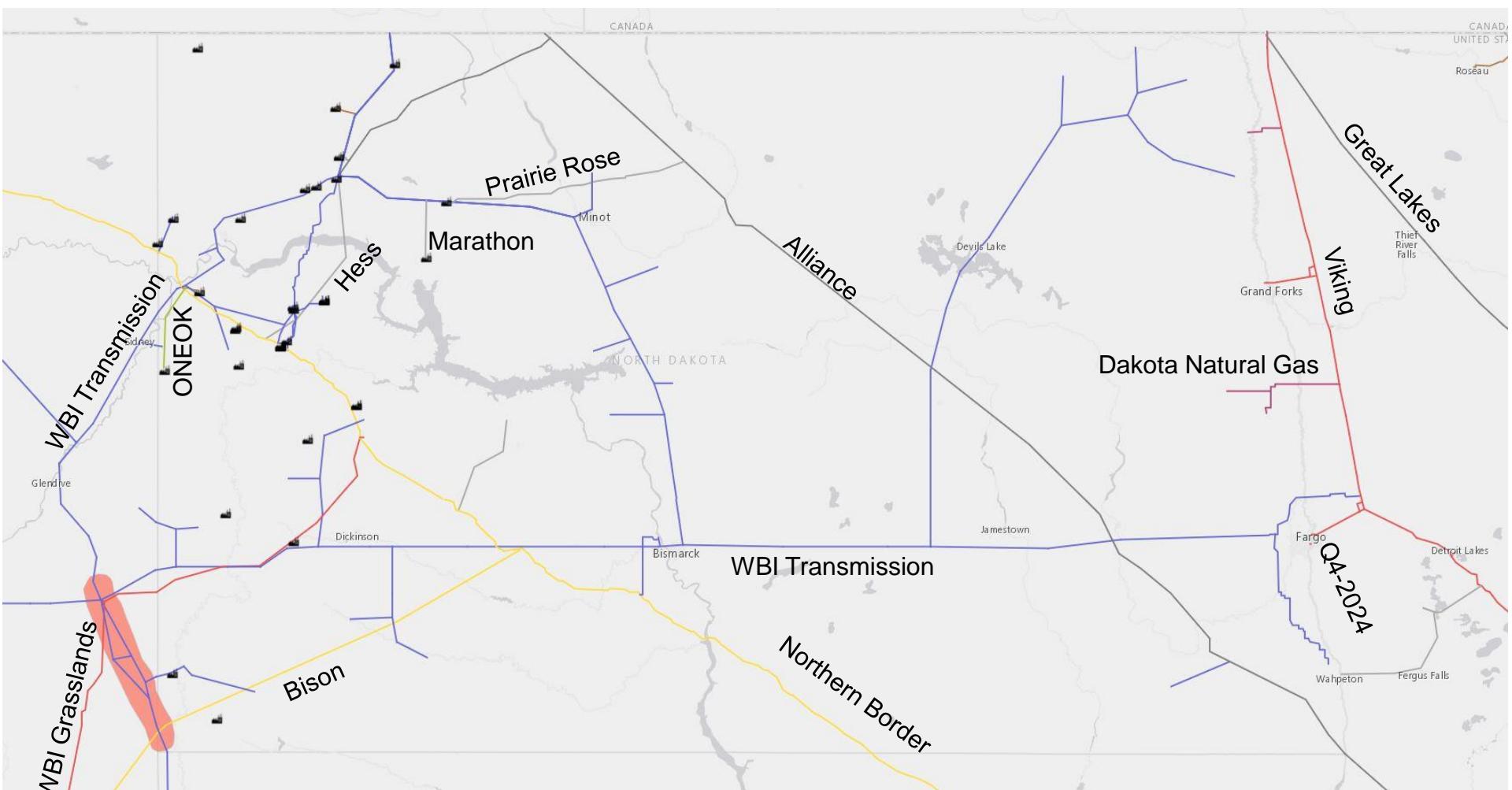
Solving the Flaring Challenge



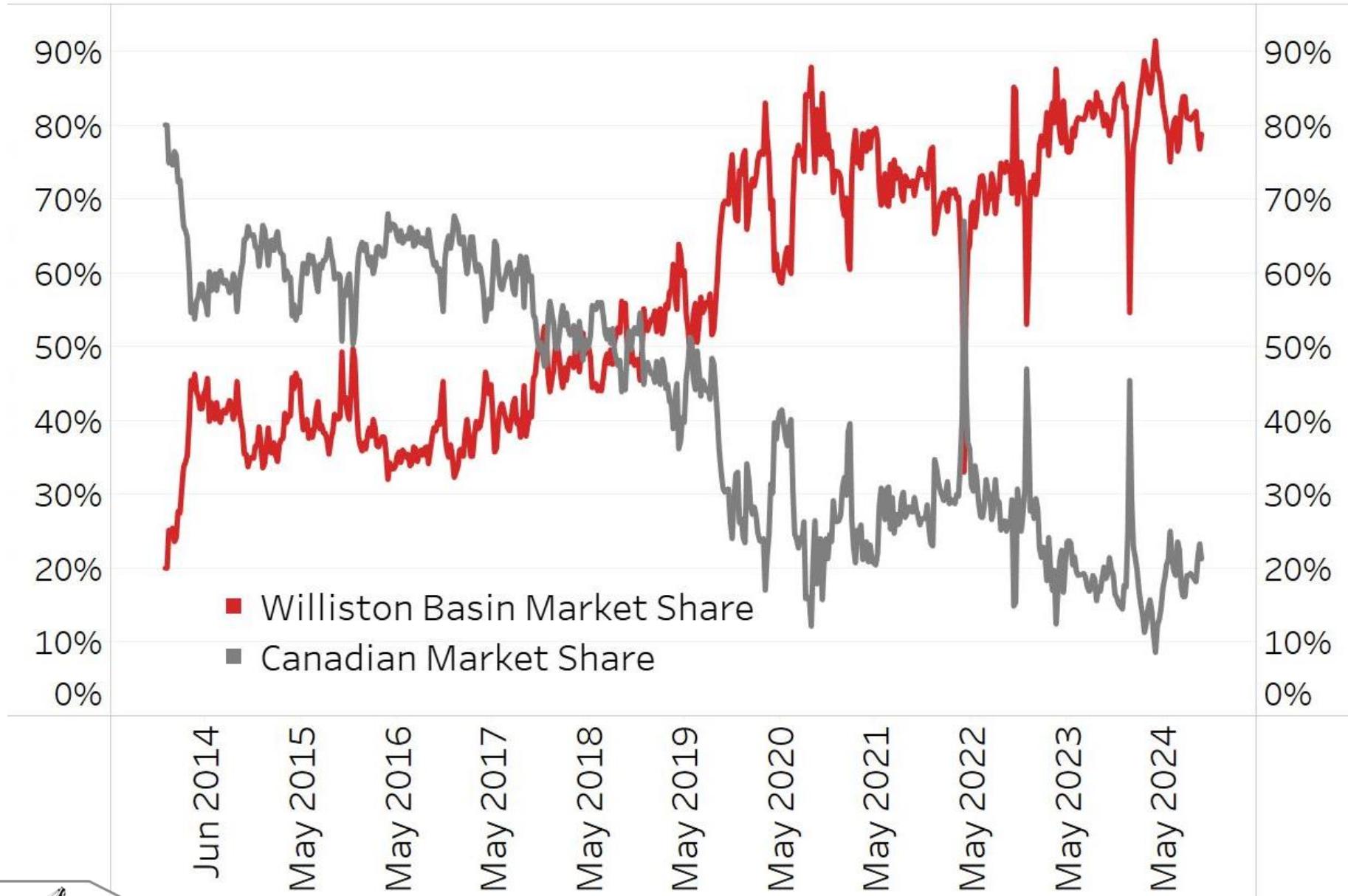
Bakken Natural Gas Infrastructure



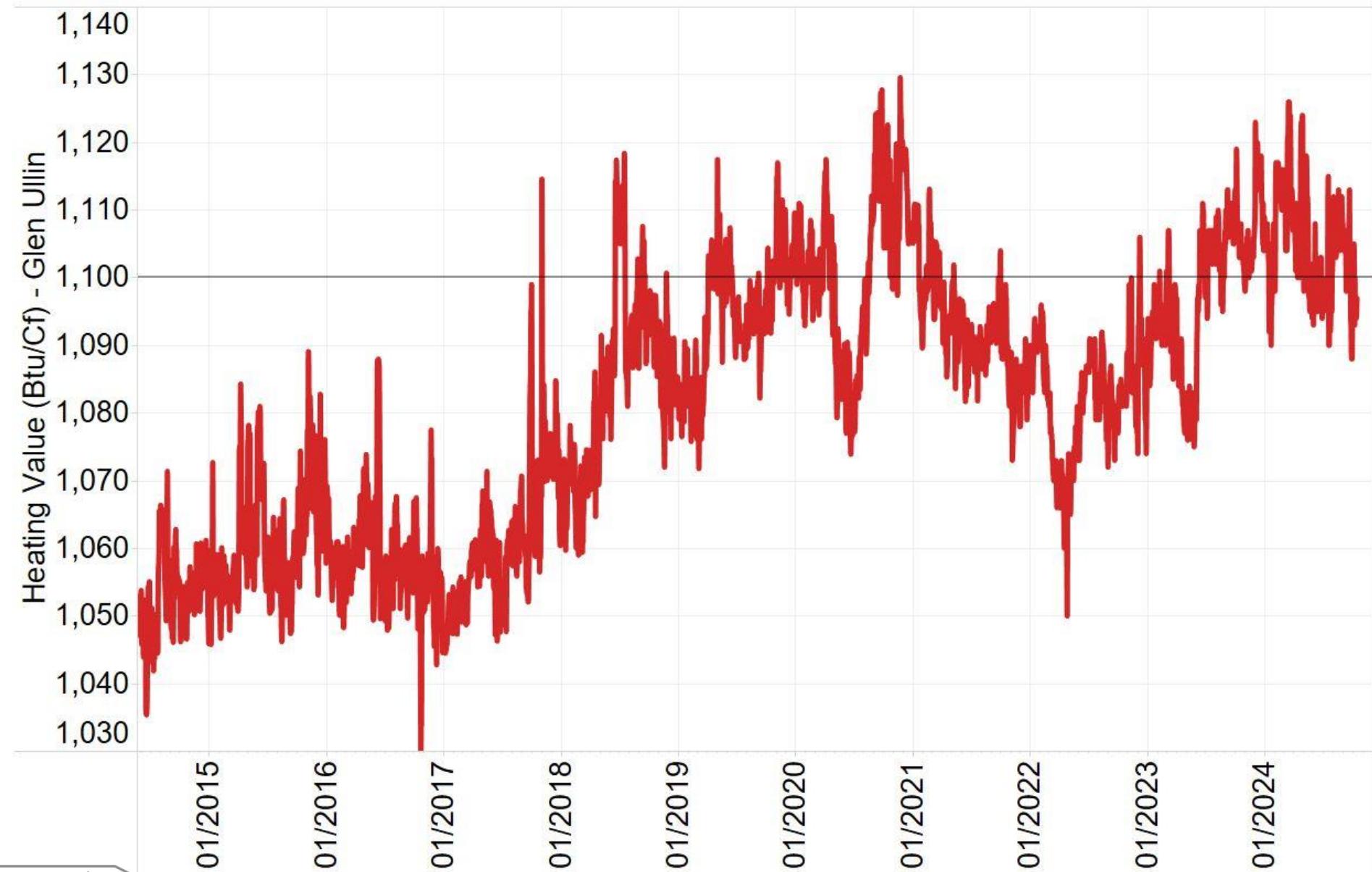
Bakken Natural Gas Infrastructure



Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Wahpeton Expansion Project

Construction Updates

Targeted
In-Service
Q4-2024



Activity	Total % Completed This Period	% of Total Job Completed
Pipeline		
Clearing / Grading	0%	100%
Stringing	0%	100%
Bending	0%	100%
Welding	1%	97%
Joint Coating	1%	97%
Ditching	6%	100%
Lowering	2%	95%
Backfill	2%	87%
Bores	0 of 68	66 of 68
Cleanup	<0%	8%
Seeding	0%	0%
Final Tie-in and Commissioning	0%	0%
Hydrostatic Testing	0 of 2	0 of 2



Contact Information

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**Know what's below.
Call before you dig.**



Websites:

www.pipeline.nd.gov

www.northdakotapipelines.com

