

# Pipeline Authority Monthly Update

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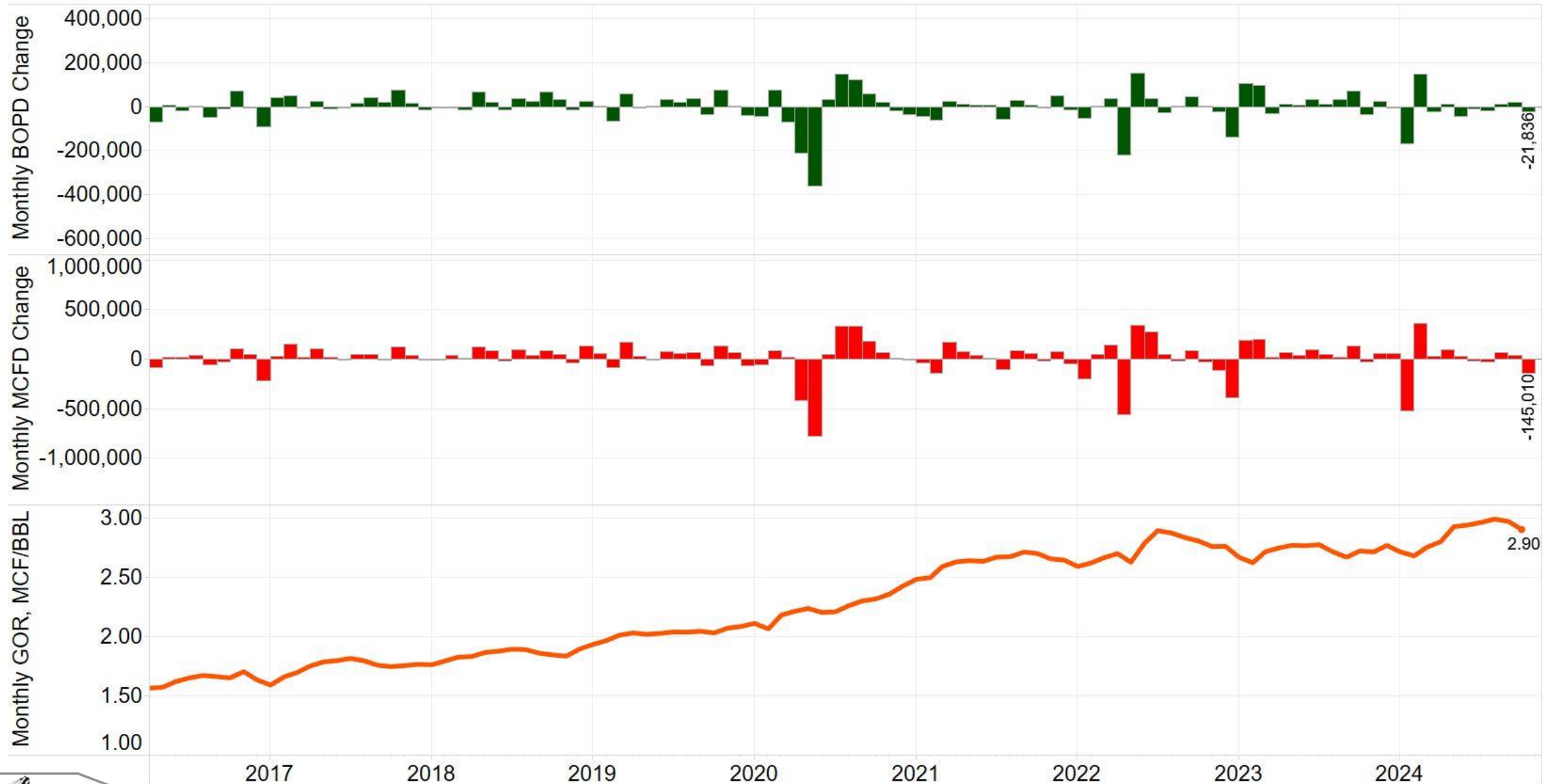
**December 18, 2024**

# US Williston Basin Oil Production - 2024

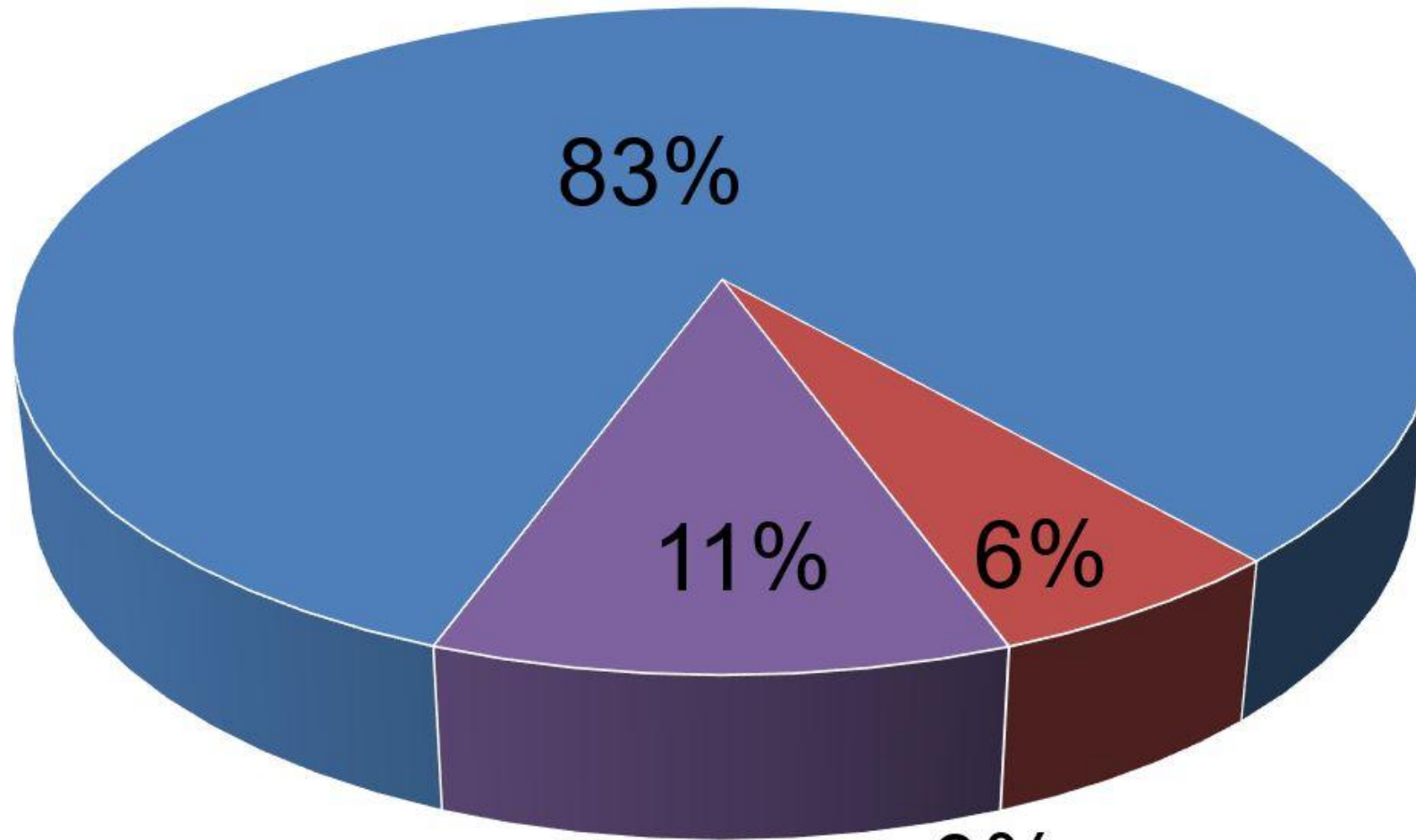
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,106,525	59,255	2,312	1,168,091
February	1,256,121	66,329	2,412	1,324,862
March	1,232,664	70,662	2,590	1,305,916
April	1,244,237	72,265	2,430	1,318,932
May	1,199,610	72,543	2,349	1,274,502
June	1,187,289	71,554	2,370	1,261,213
July	1,169,499	69,237	2,329	1,241,065
August	1,179,728	75,350	2,349	1,257,427
September	1,199,828	64,078	2,528	1,266,434
October	1,177,992	72,229		
November				
December				



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

0%

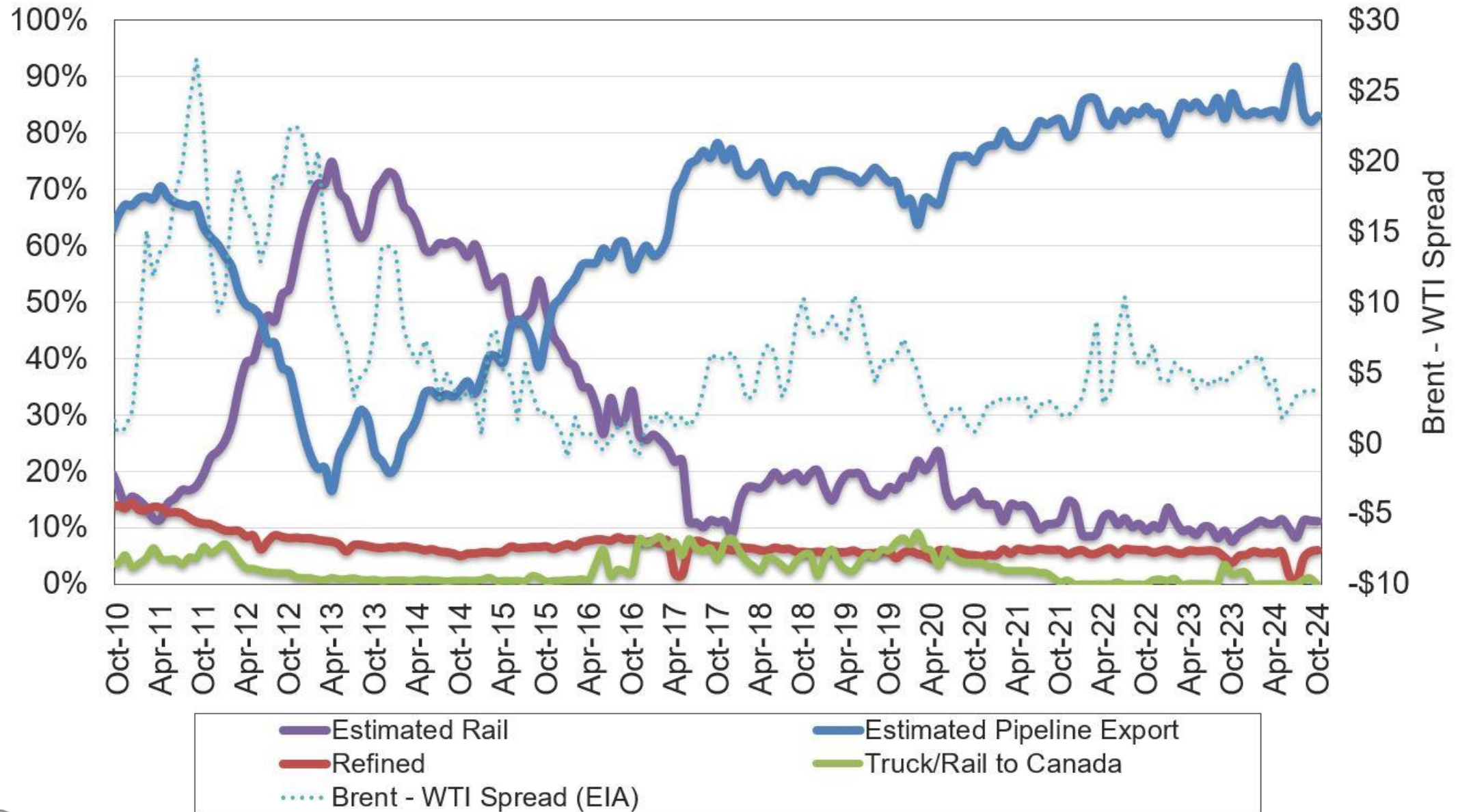
■ Refined

■ Estimated Rail

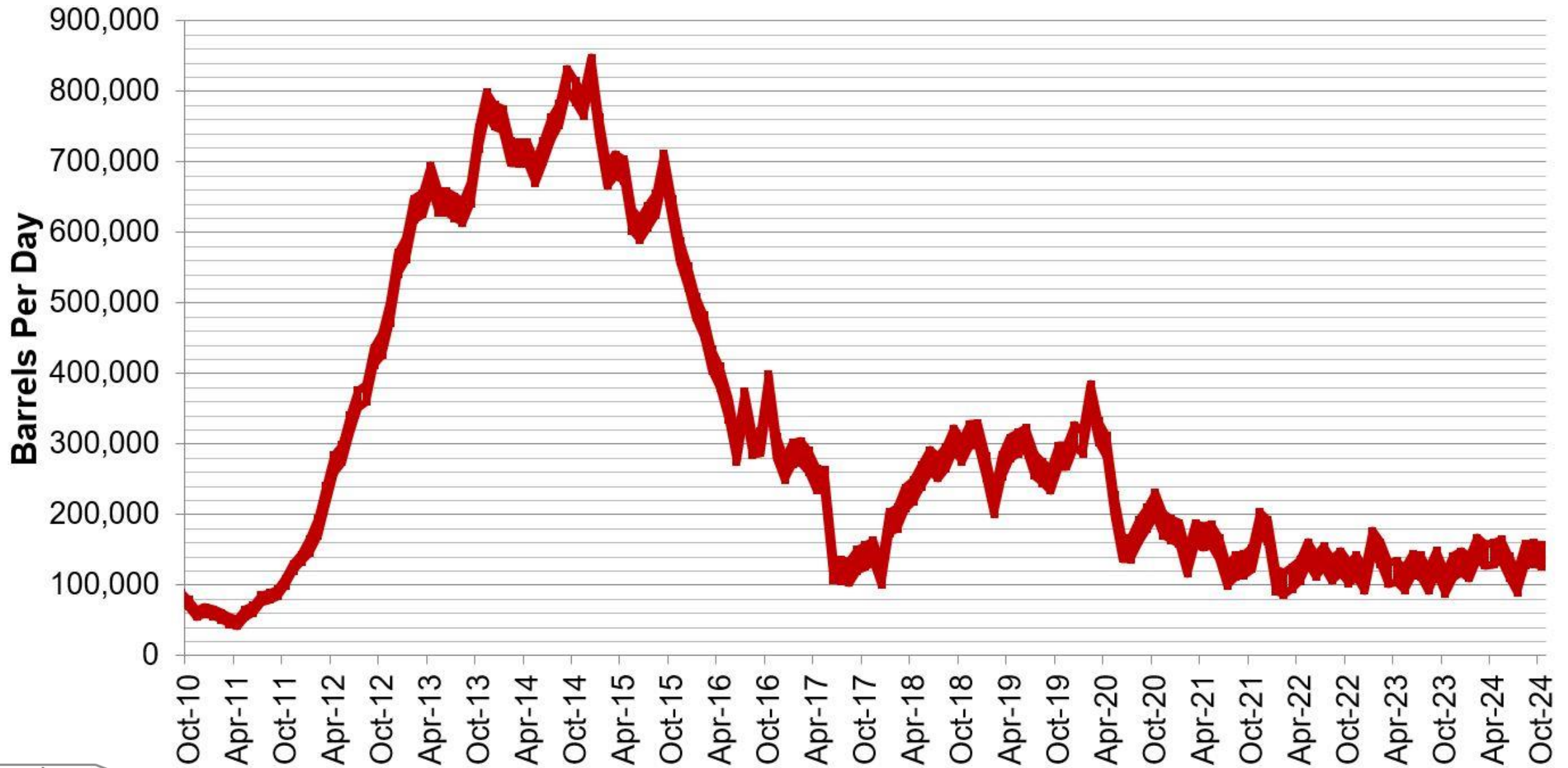




# Estimated Williston Basin Oil Transportation

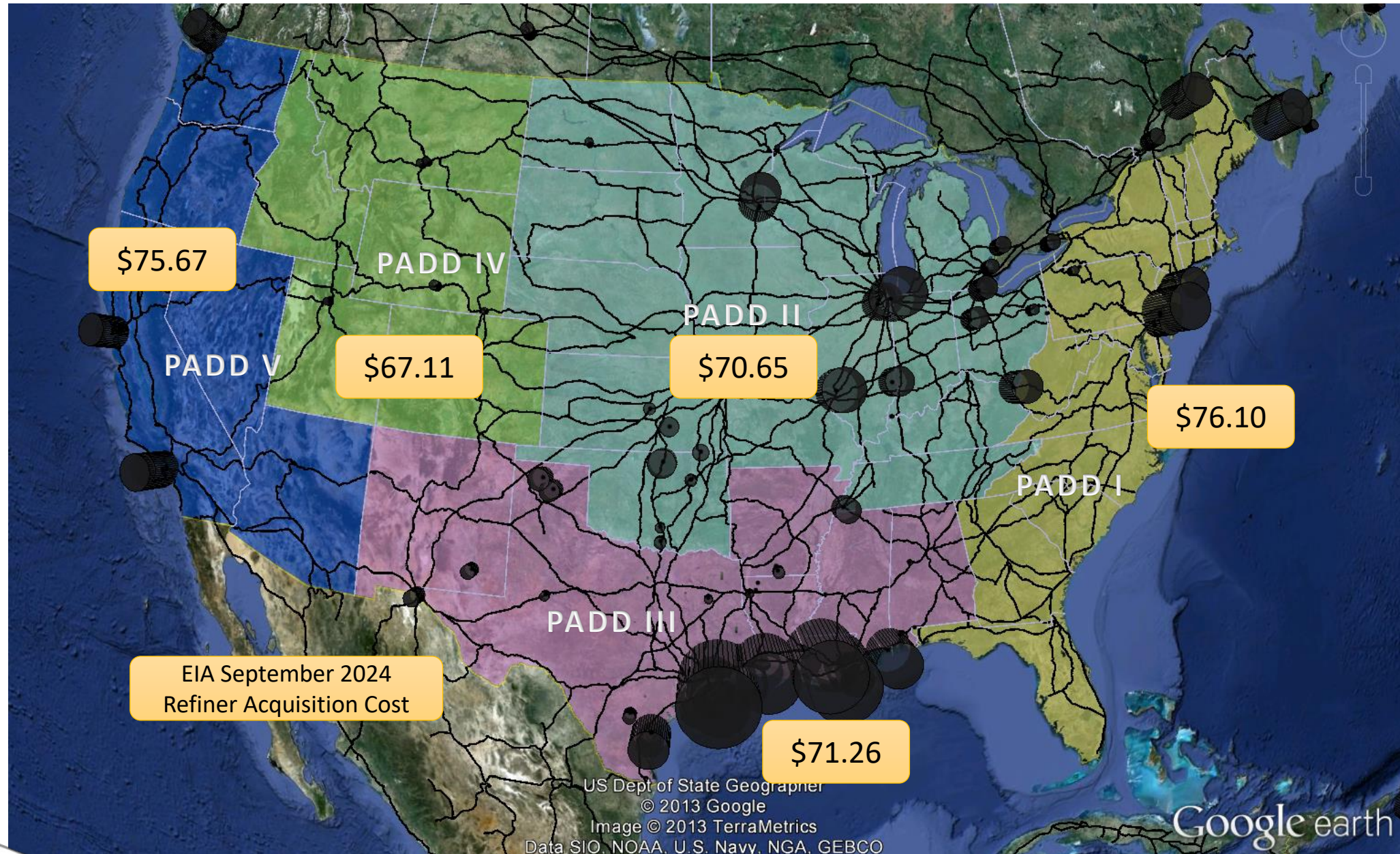


# Estimated ND Rail Export Volumes



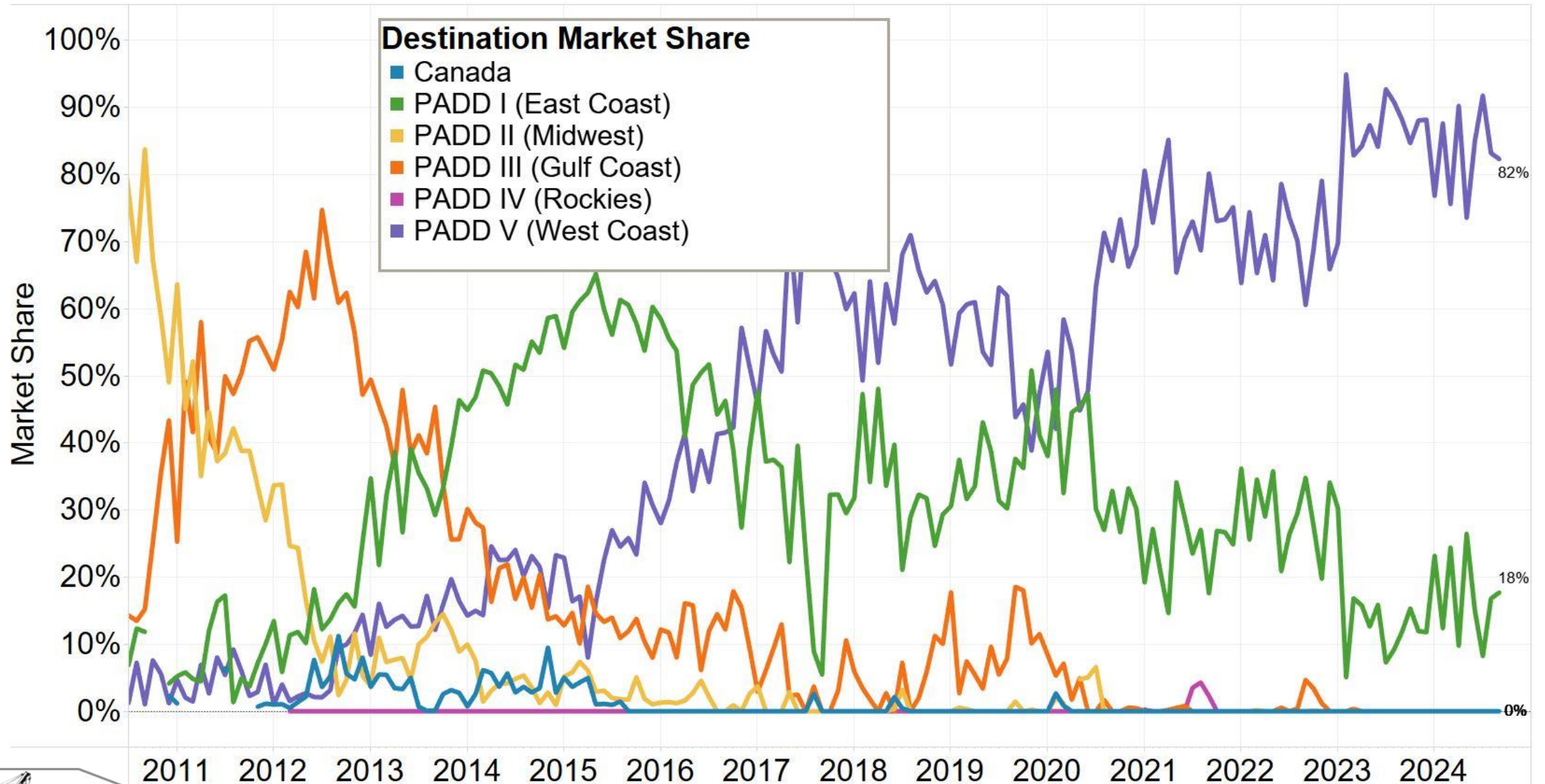


# Major Rail Lines and Refineries



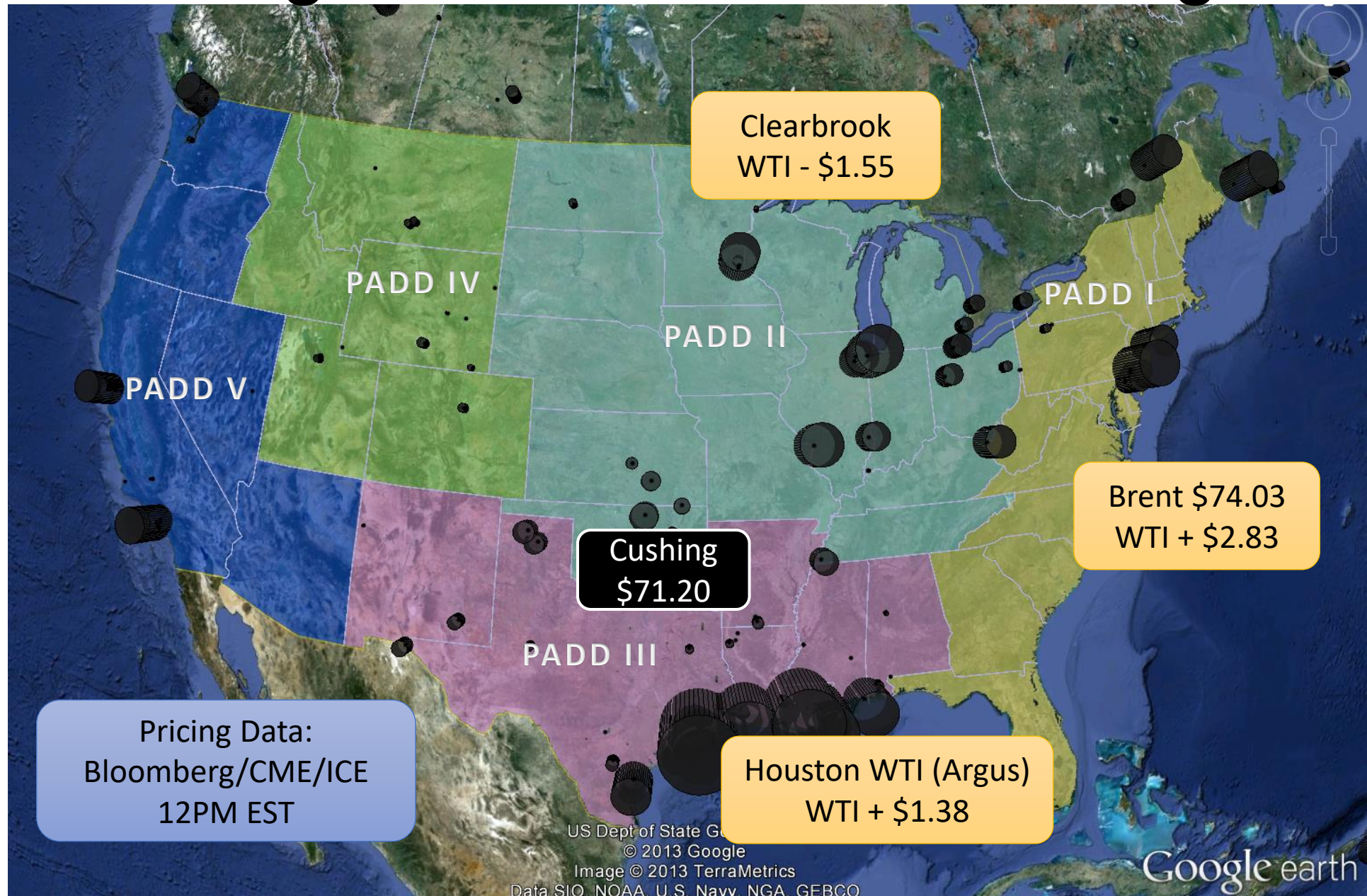


# Rail Destinations Market Share (Sep. 2024)



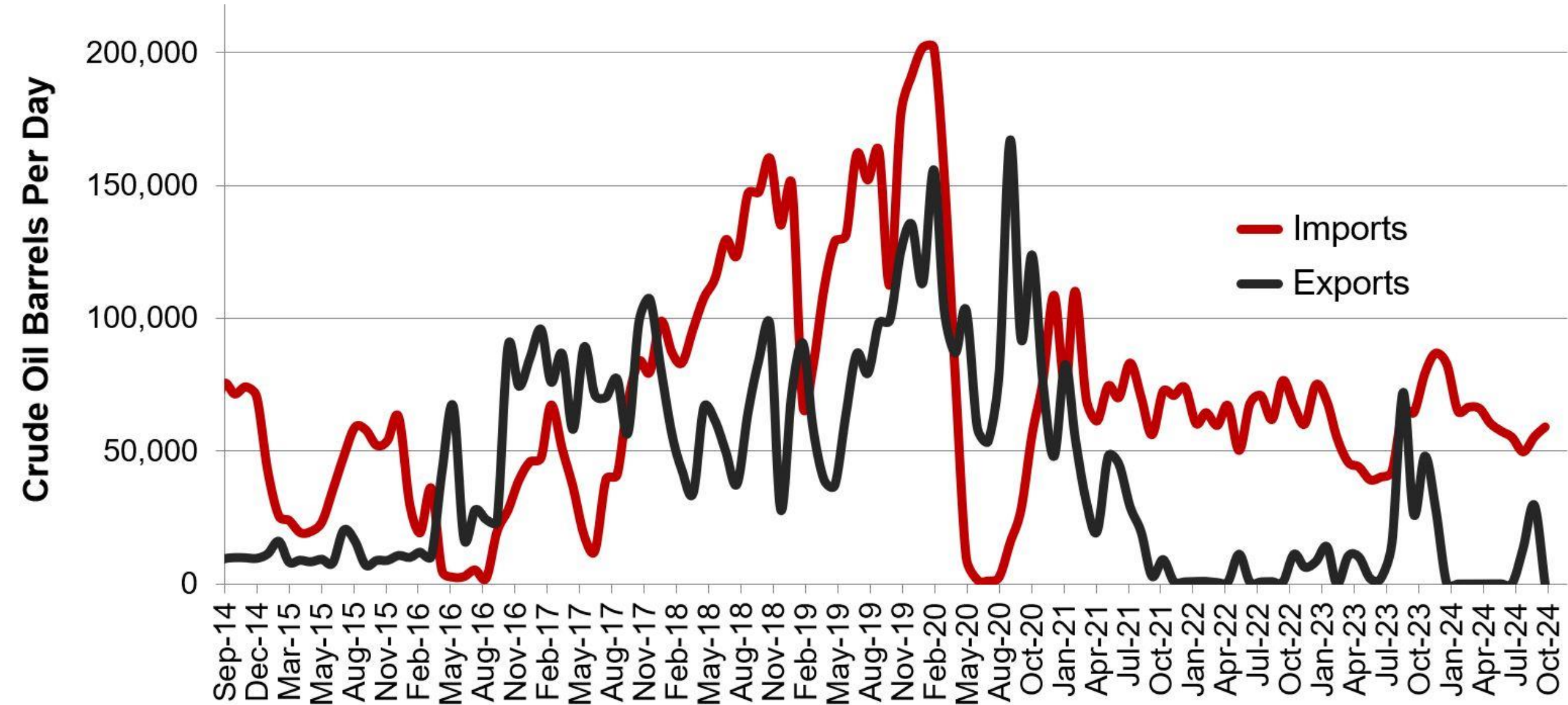


# Major Pricing Benchmarks & Refining Centers





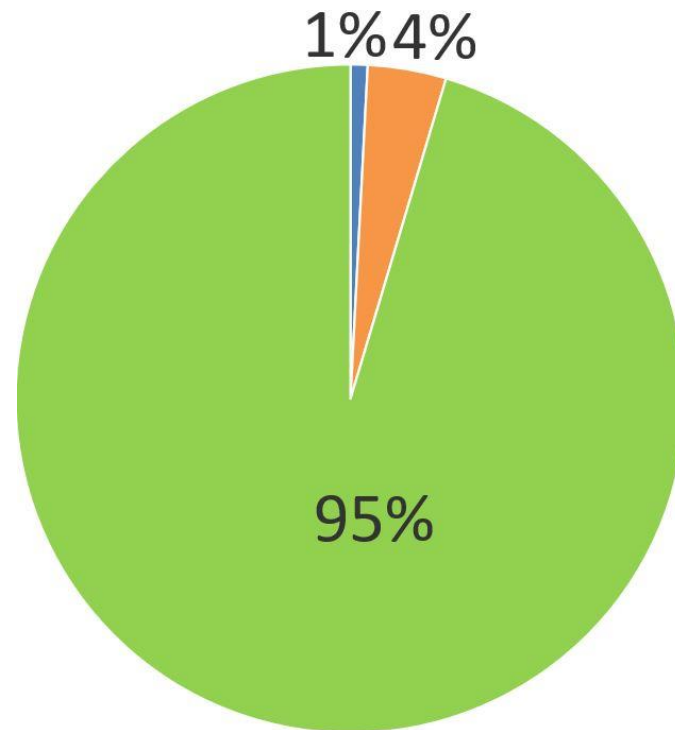
# Williston Basin Truck/Rail Imports and Exports with Canada



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

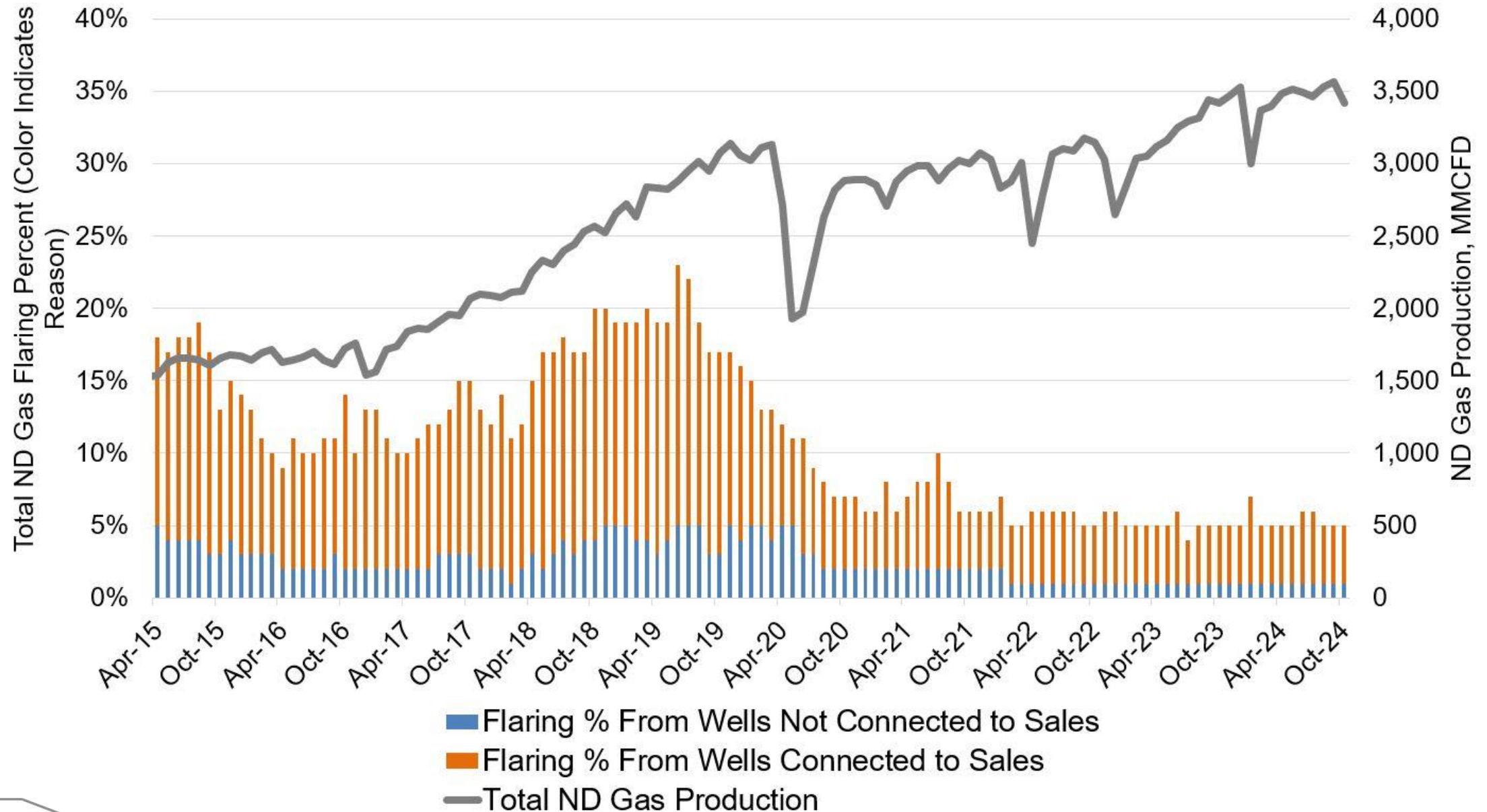
**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

Oct 2024 Data – Non-Confidential Wells

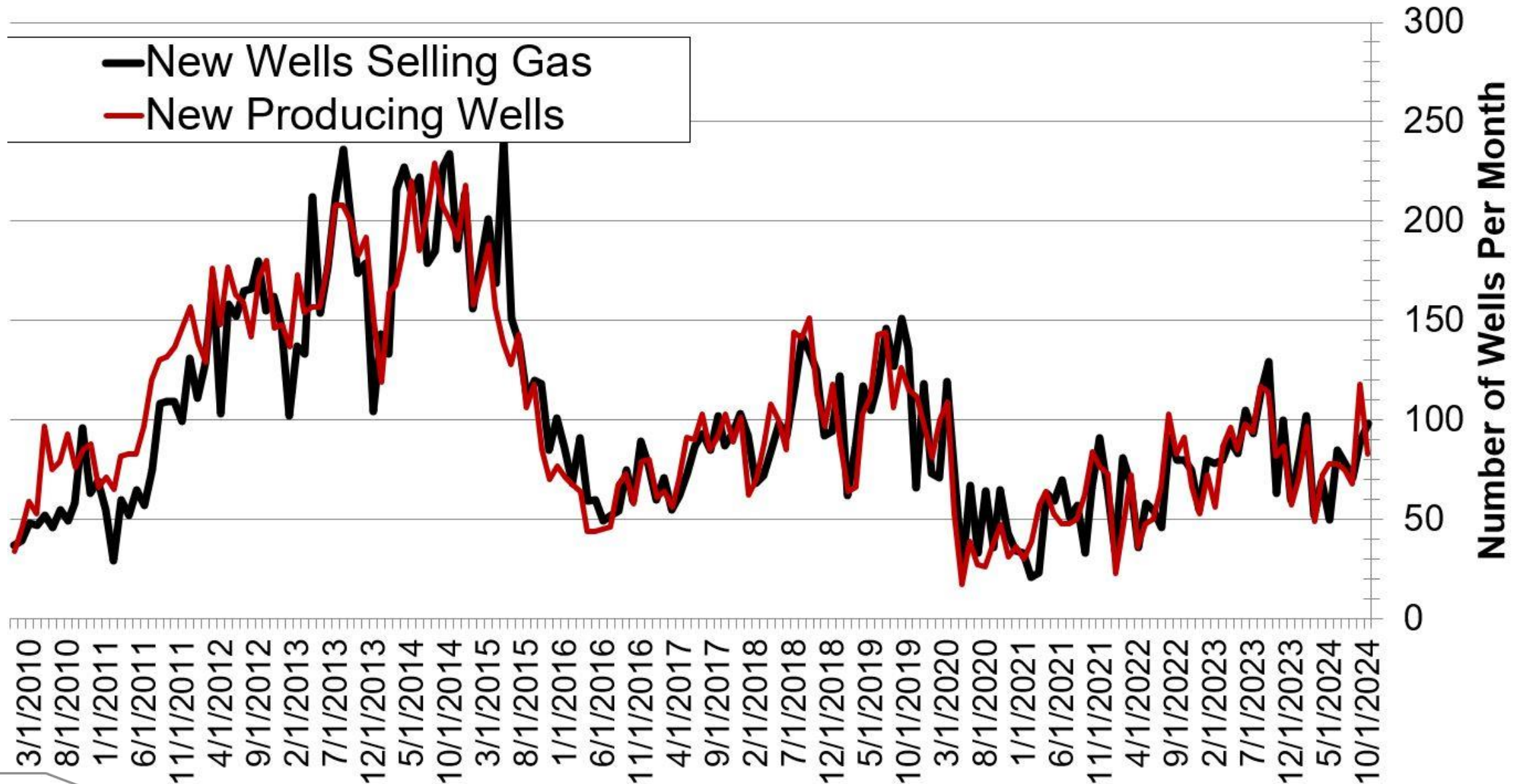




# Solving the Flaring Challenge

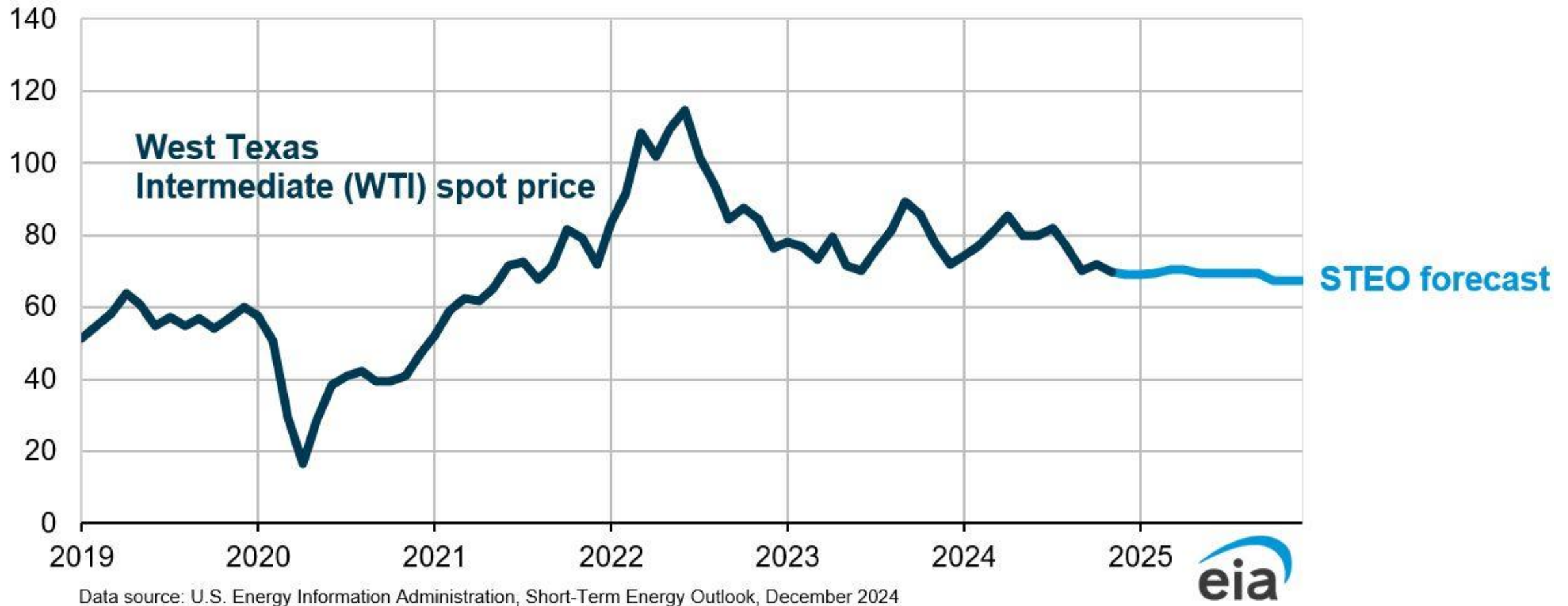


# Solving the Flaring Challenge



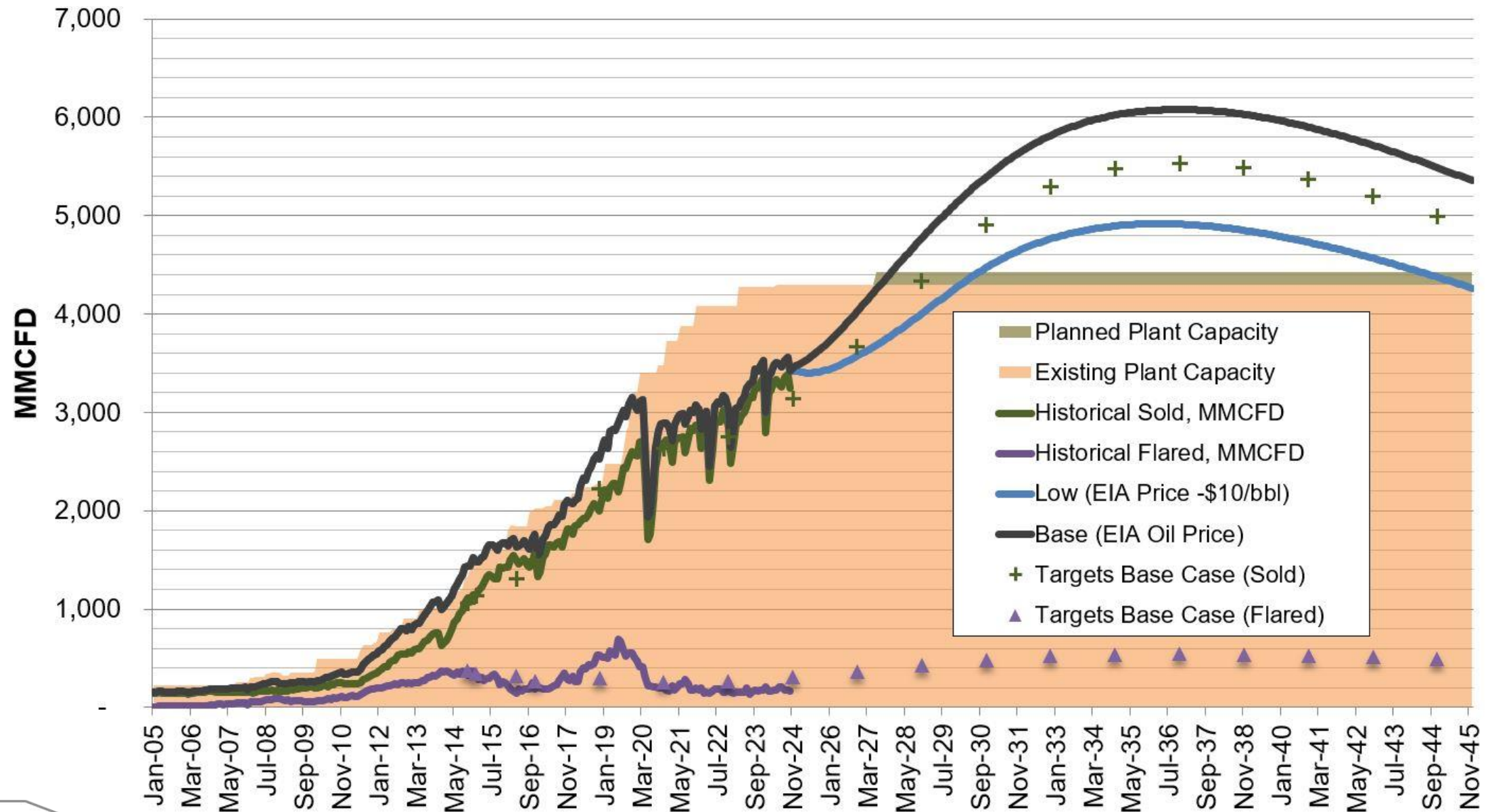
# EIA Oil Price Forecast: December 2024

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

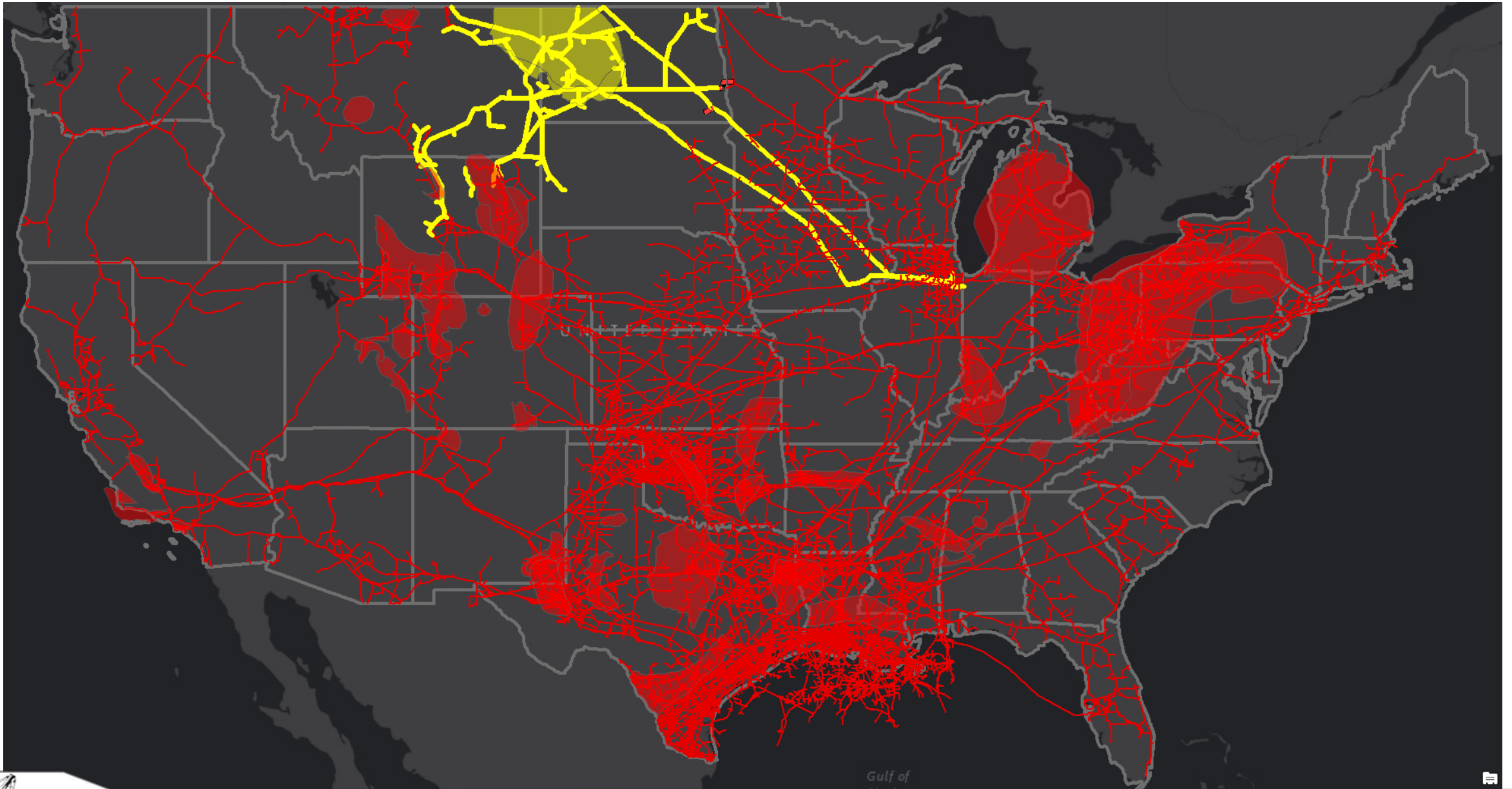




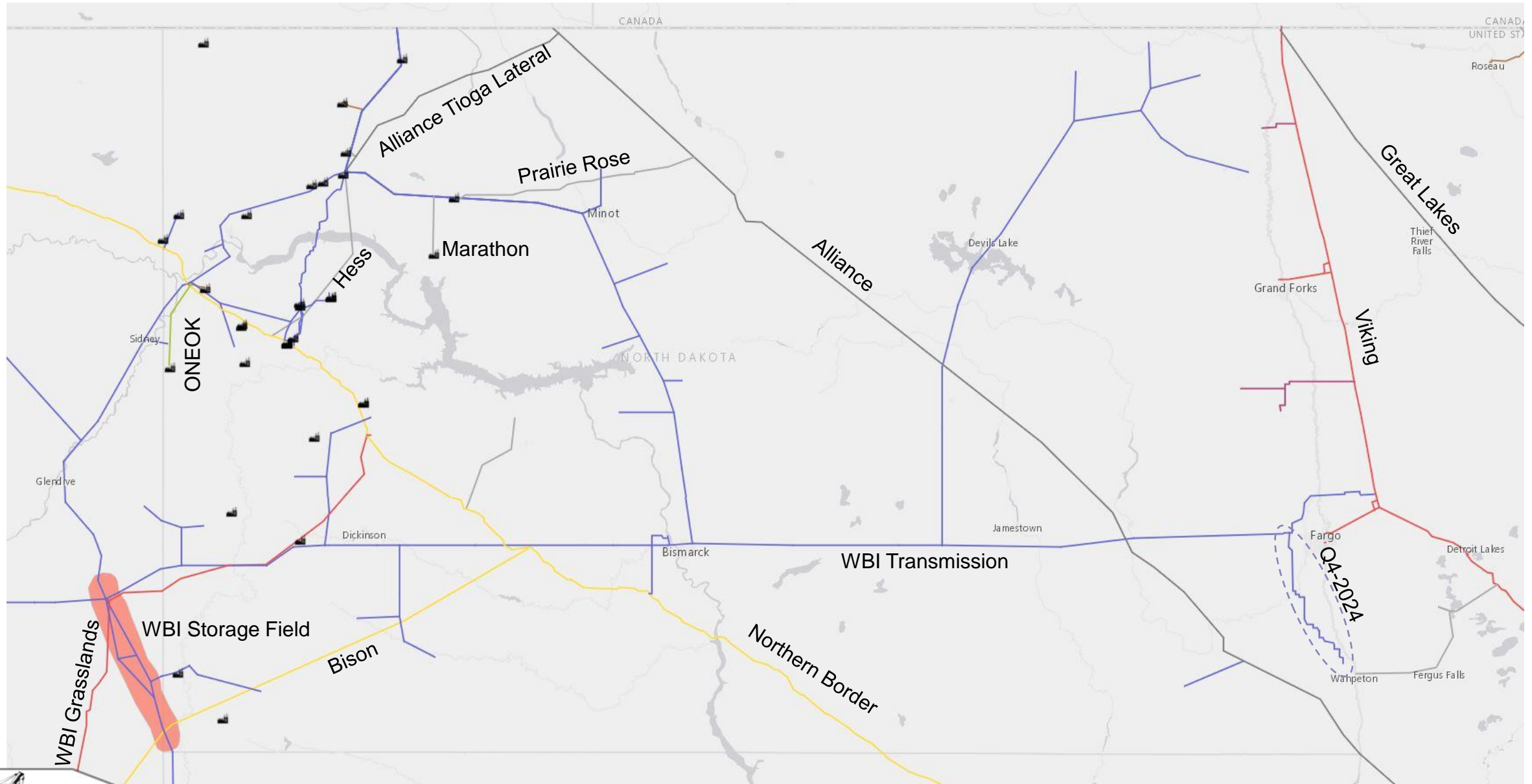
# North Dakota Gas Processing Outlook



# Bakken Natural Gas Infrastructure

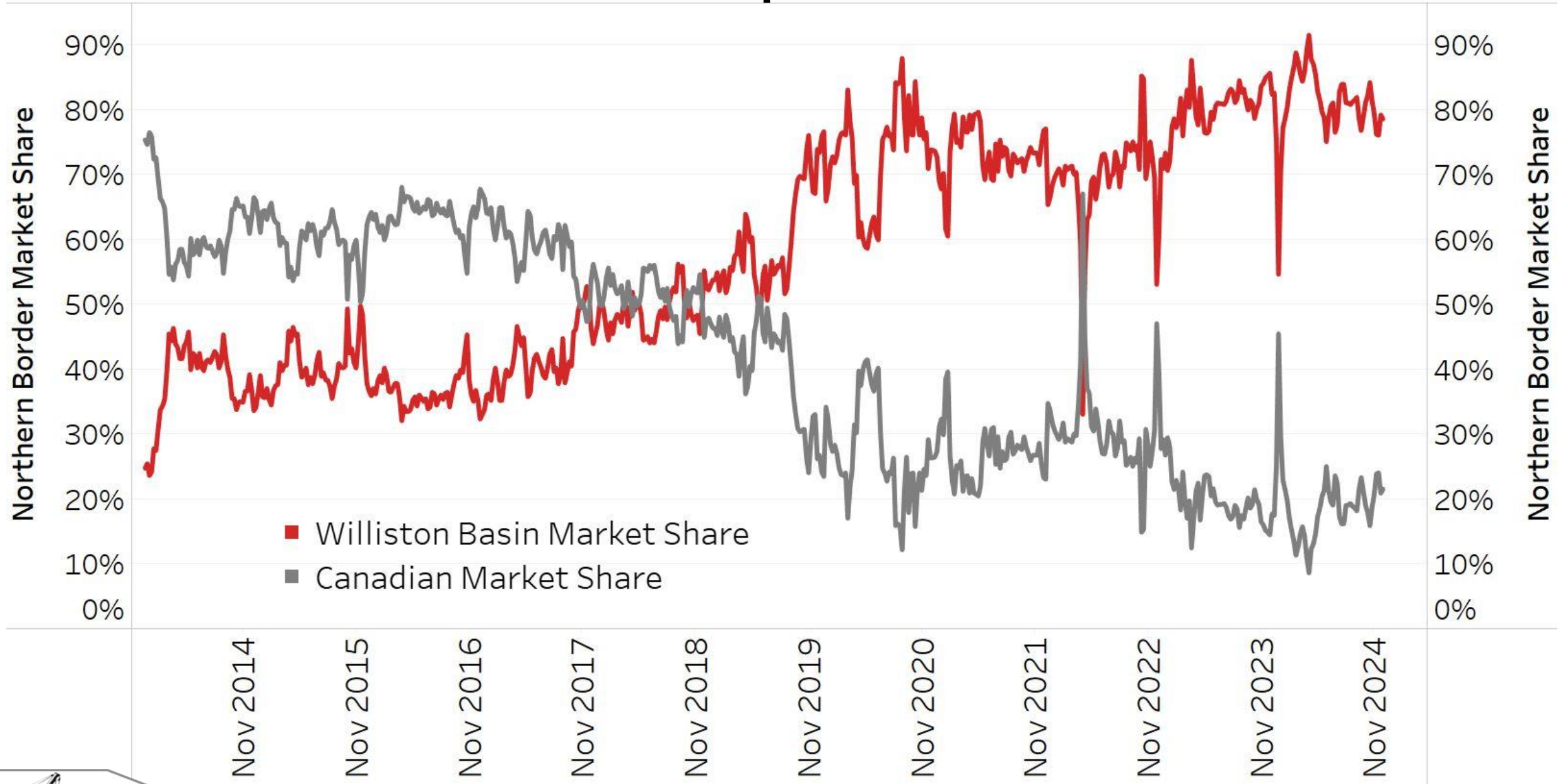


# Major Residue Gas Pipeline Infrastructure

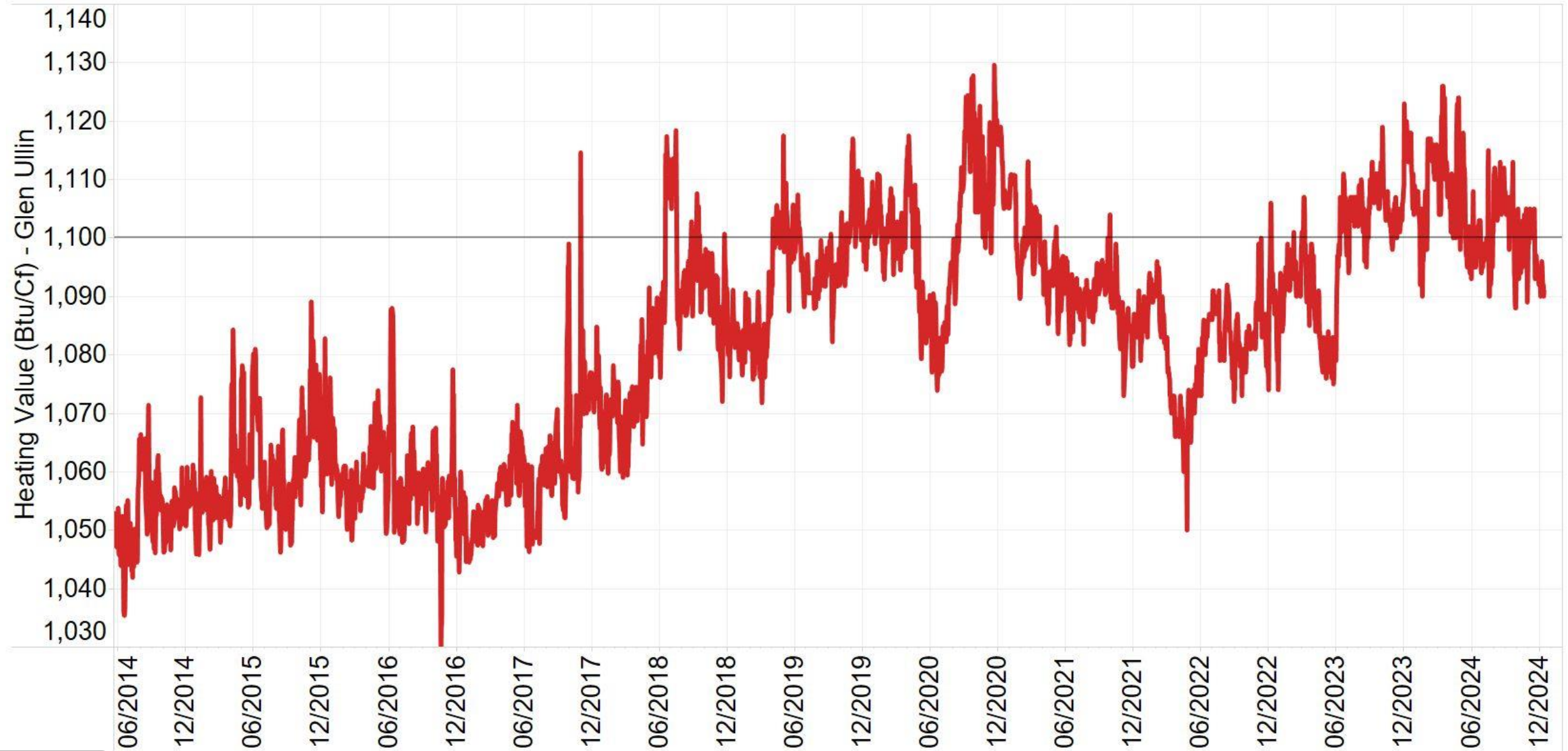




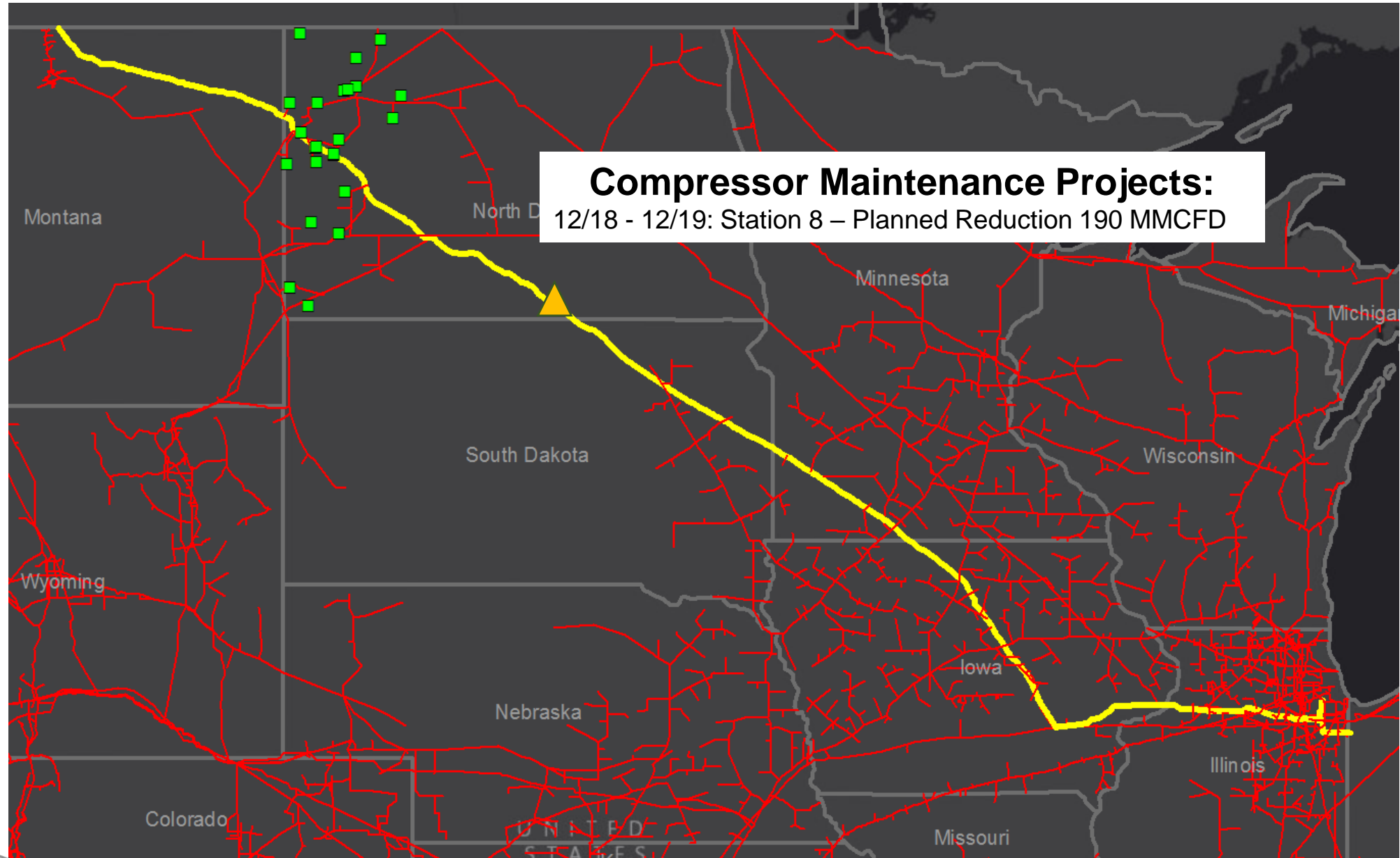
# Northern Border Pipeline Market Share



# Northern Border BTU at Glen Ullin, ND



# Northern Border Maintenance





# Wahpeton Expansion Project Now In-Service

In-Service  
December 2024

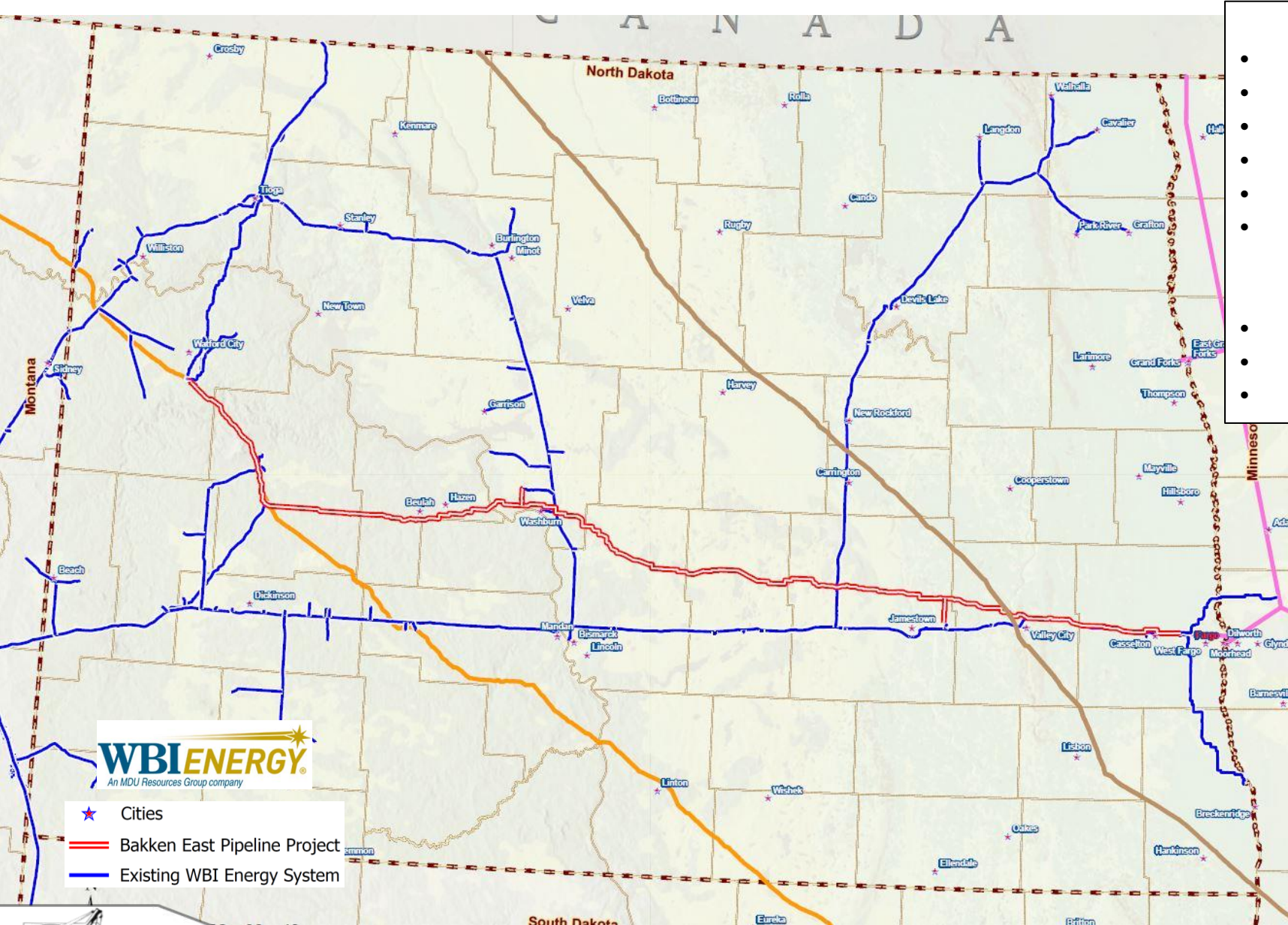


Activity	Total % Completed This Period	% of Total Job Completed
<b>Pipeline</b>		
Clearing / Grading		100%
Stringing		100%
Bending		100%
Welding		100%
Joint Coating		100%
Ditching		100%
Lowering		100%
Backfill		100%
Bores		68 of 68
Cleanup	5%	90%
Seeding <sup>1</sup>	0%	25%
Final Tie-in and Commissioning		100%
Hydrostatic Testing		2 of 2





# WBI Energy: Proposed Bakken East Project



## Natural Gas Pipeline Project Highlights

- Non-binding open season Dec 16 – Jan 31, 2025
- 375 Miles: 30" & 24" Pipe
- Proposed Capacity 760,000 Dth/Day
- Phase 1 (West) : Nov 2028 targeted in-service
- Phase 1 (East) : Nov 2029 targeted in-service
- Seeking commitments 20yrs or Longer

## Estimated Rates

- \$0.85 to \$0.90/Dth + Fuel/Electric/Commodity
- Anchor Shipper Minimum: 100,000 Dth/Day
- Foundation Shipper Minimum: 250,000 Dth/Day

# Contact Information

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