



DIRECTOR'S CUT

FEBRUARY PRODUCTION

APRIL 22, 2025



PRESENTATION OVERVIEW

This briefing provides key updates on the state's energy sector, covering production trends, market outlooks, state initiatives, and key litigation. Topics include industry activity, infrastructure developments, and ongoing efforts related to resource management and environmental stewardship.

In addition, insights on transportation and distribution will be shared, highlighting key factors influencing the movement of oil and natural gas.

Presented to a global audience, this update offers a broad perspective on the region's energy landscape.

PRESENTATIONS BY:



NATHAN ANDERSON

Director

Department of Mineral Resources



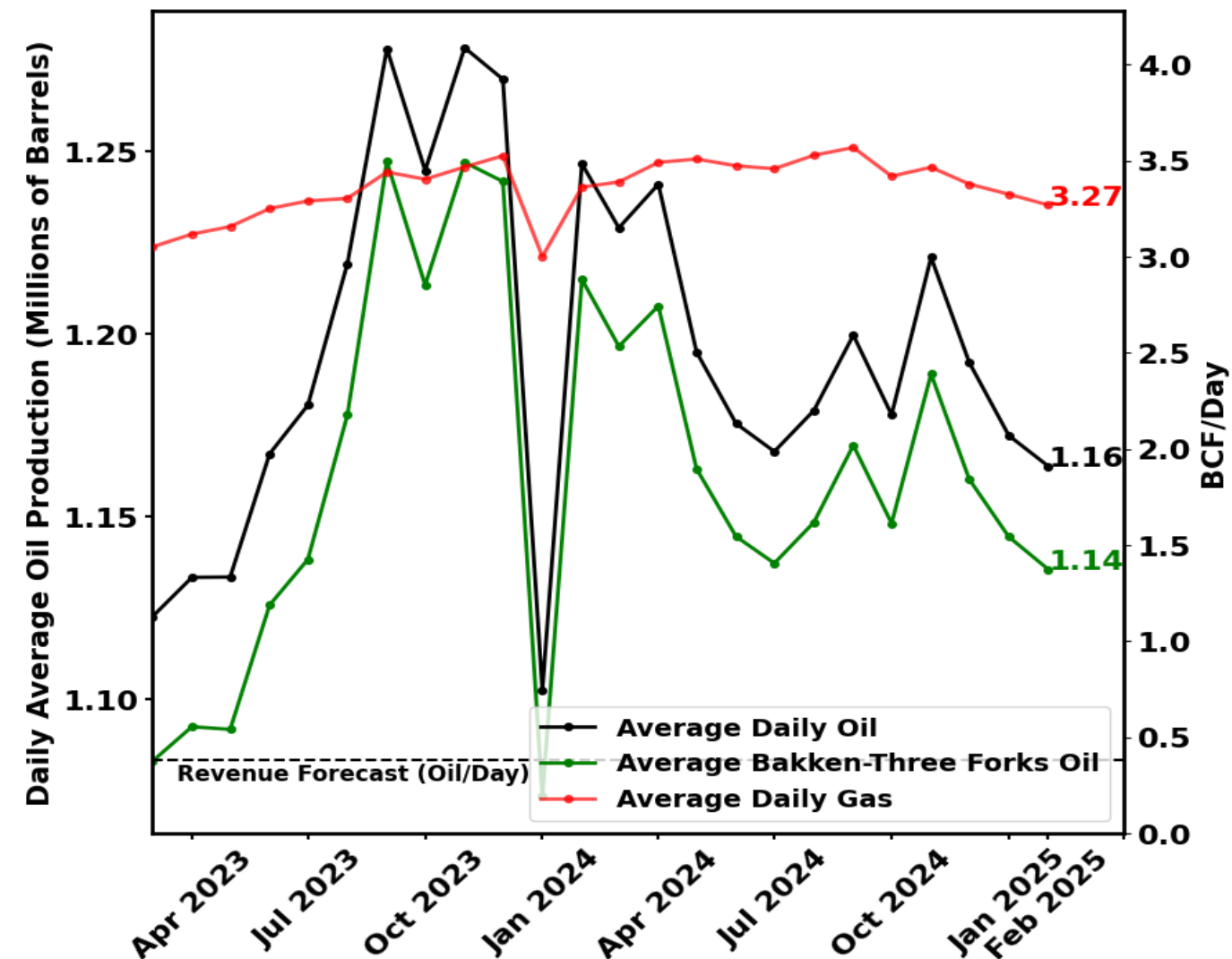
JUSTIN KRINGSTAD

Executive Director

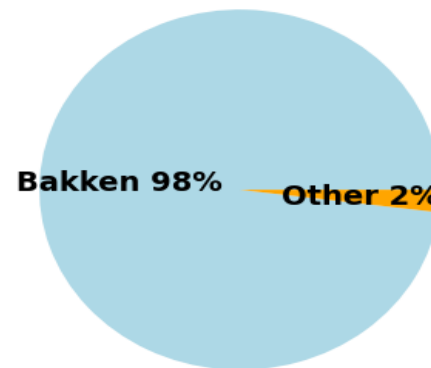
North Dakota Pipeline Authority



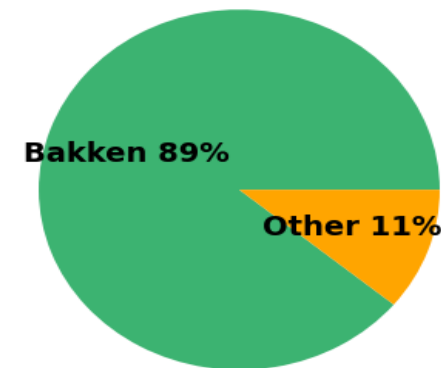
NORTH DAKOTA PRODUCTION



Statewide Production



Producing Wells



OIL PRODUCTION:

- February: 32,588,472 bbls = 1,163,874 bbls/day
- January: 36,428,942 bbls = 1,176,869 bbls/day
 - 5.8% above Revenue Forecast (RF = 1,100,000 bbls/day)
 - 1% from January to February
 - 13,000 bbls/day Jan. 2025 to Feb. 2025
- 1,135,625 bbls/day or 98% from Bakken/Three Forks
- 28,249 bbls/day or 2% from non-Bakken/Three Forks

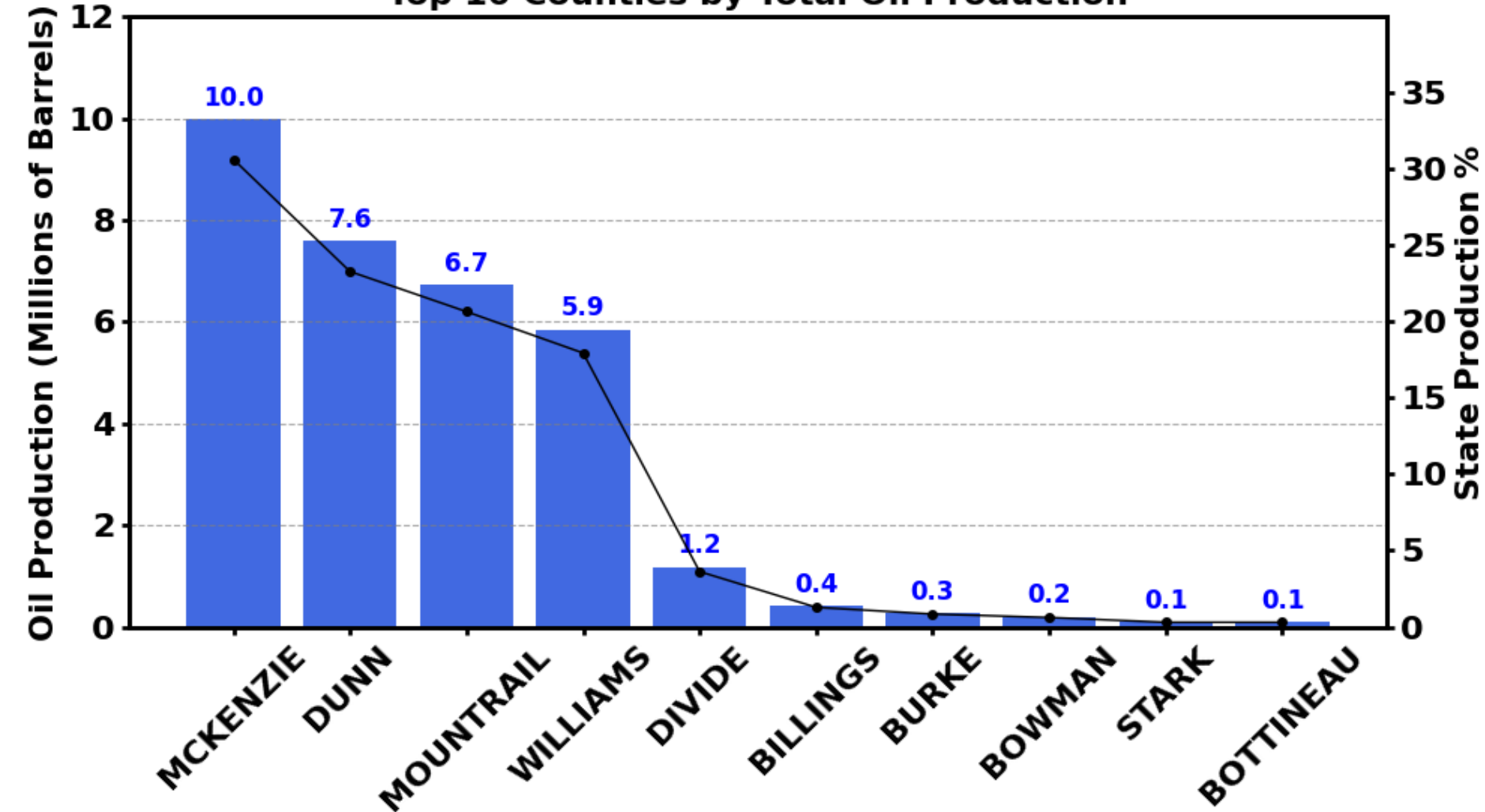
GAS PRODUCTION:

- February: 91.52 BCF/Month = 3.268 BCF/Day
- January: 103.0 BCF/Month = 3.322 BCF/Day
 - 1.63% from January to February

NORTH DAKOTA COUNTY PRODUCTION



Top 10 Counties by Total Oil Production

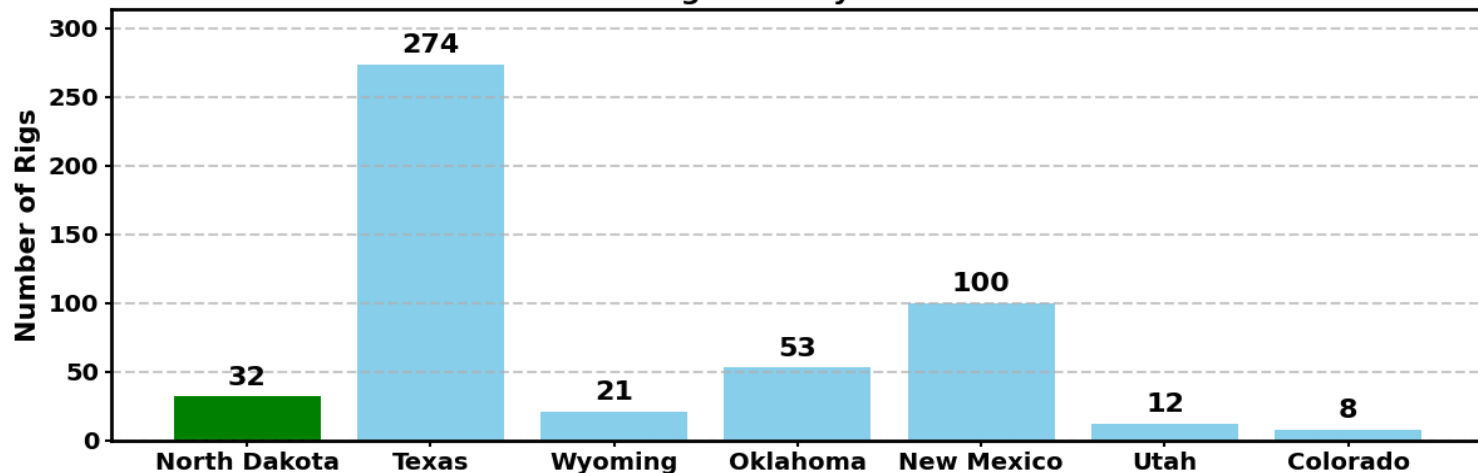


- ~30% of ND production comes from McKenzie County
- Top 5 counties make up ~96% of ND oil production

RIG COUNTS BY STATE AND BASIN



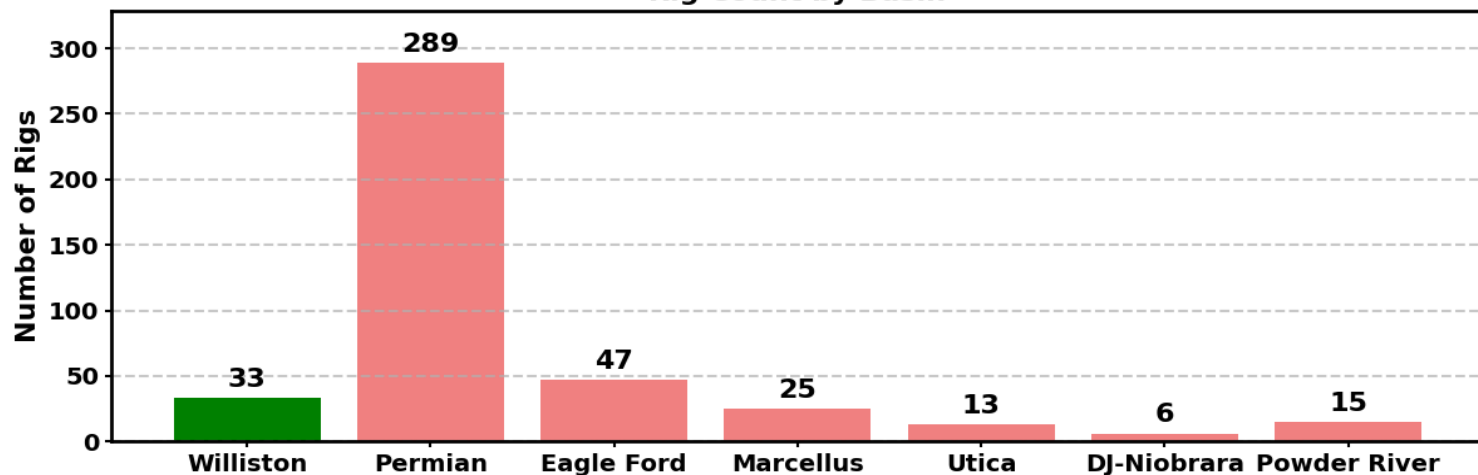
Rig Data Overview for April 17, 2025
Rig Count by State



- Total US Rig Count = 569
- ~47% of Rigs are in Texas
- ND Rig Count Trend
 - March = 32
 - February = 32
 - January = 33

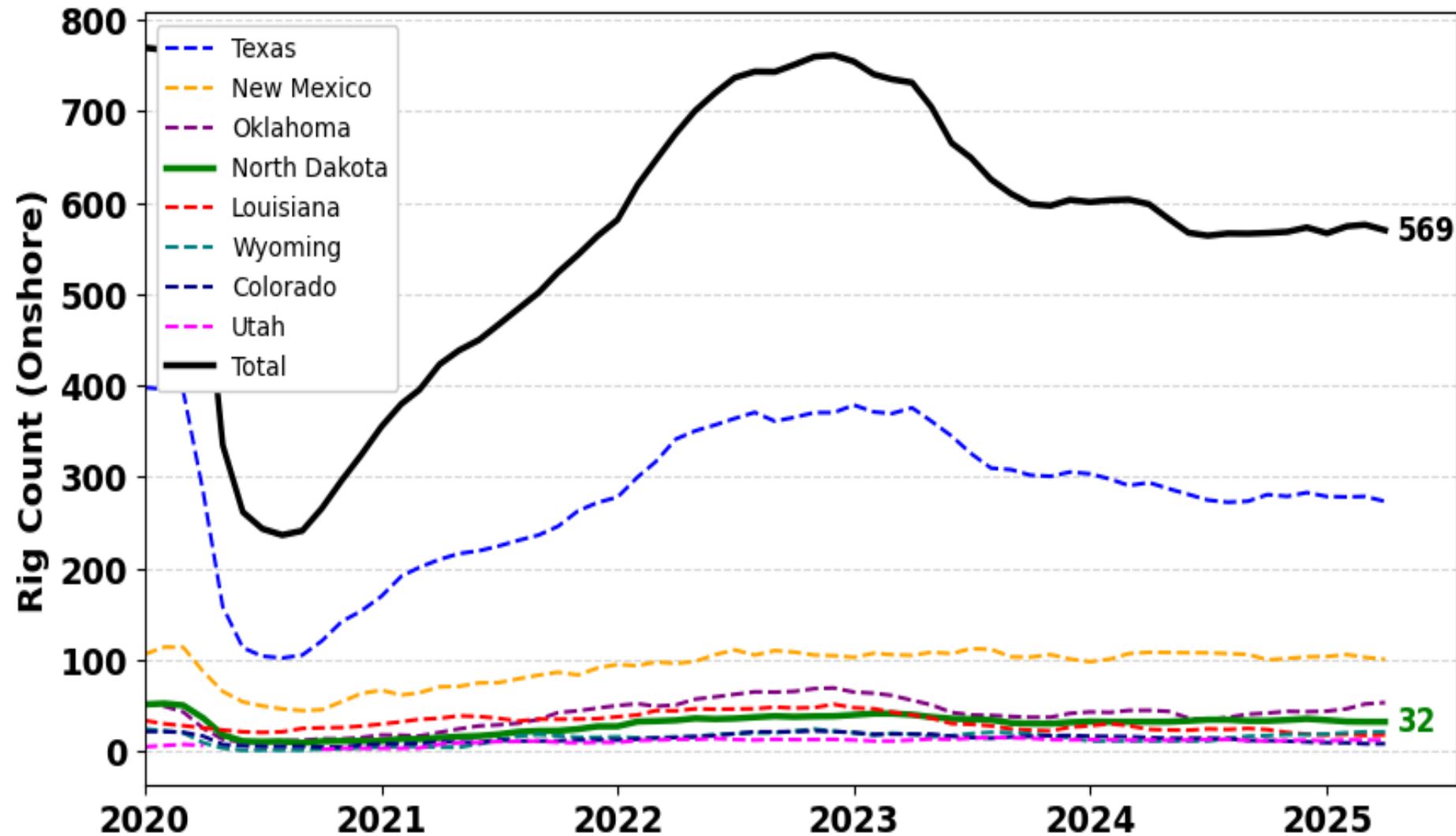
All time high of 218 on 5/29/2018

Rig Count by Basin



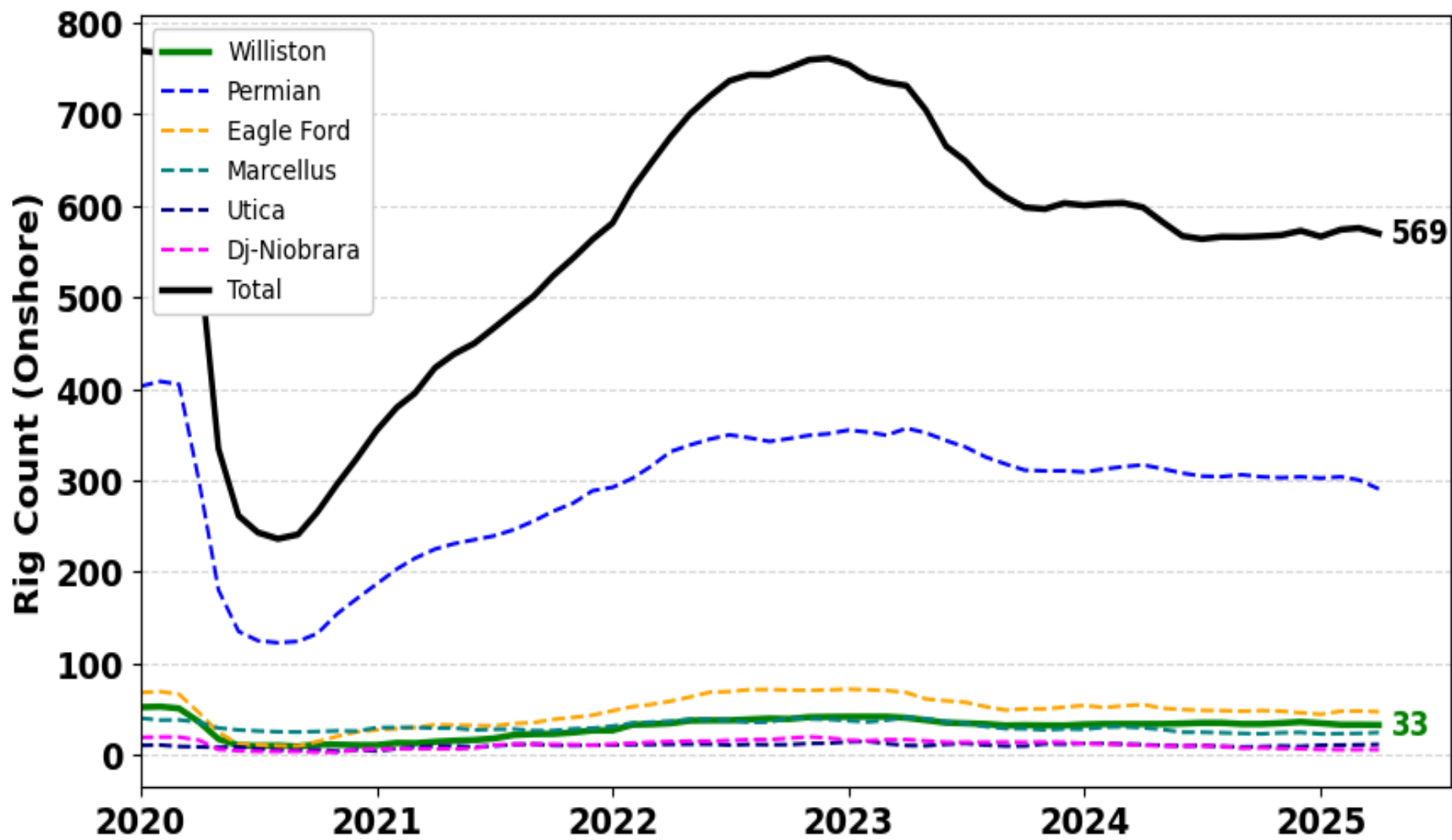
- 33 total rigs in Williston Basin
- 289 rigs in Permian (TX & NM)
 - ~49.5% of total US rig Count
- 38 rigs in the NE US, dry gas play

RIG COUNTS OVER TIME - STATE



- North Dakota rig count remaining steady at 32
- US rig count steady since early 2024
- Slight increase in rig count in Oklahoma

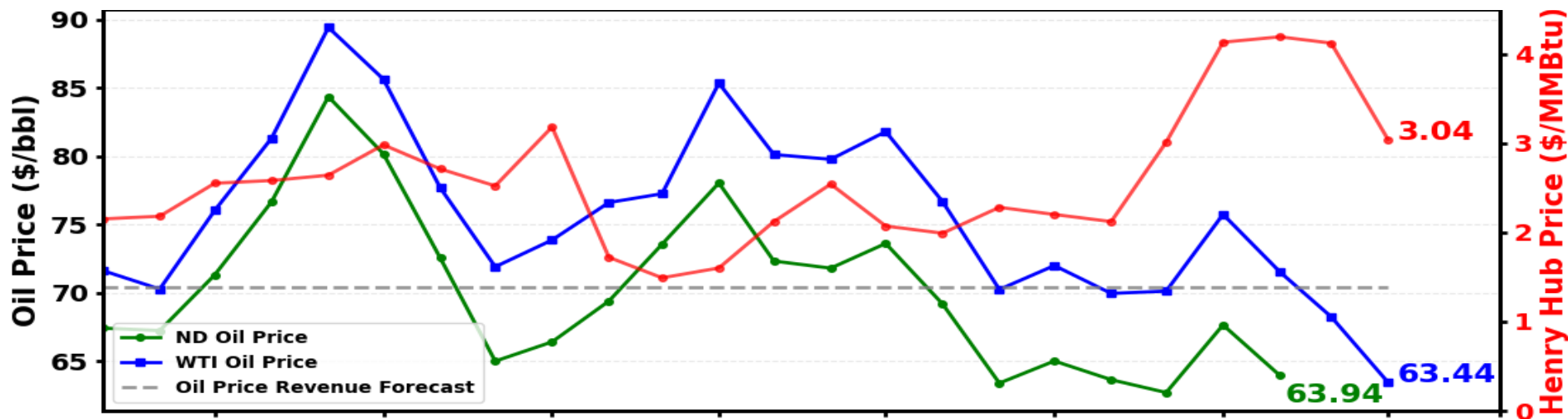
RIGS OVER TIME - BASINS



- Williston Basin rig count remaining steady at 33
- US rig count steady since early 2024
- Slight decrease in rig count in Permian Basin last month

Rig Count Source: <https://rigcount.bakerhughes.com/na-rig-count>

PRICING AND ACTIVITY LEVELS

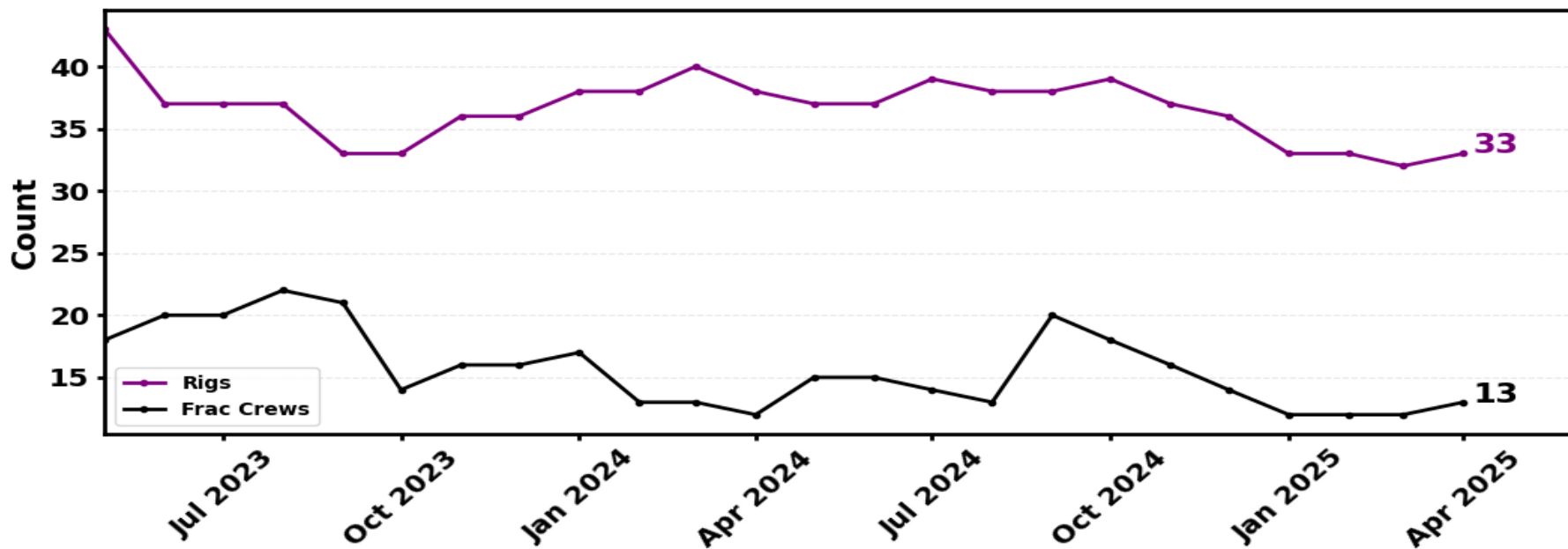


- Current WTI Oil = \$63.44
- Current HH Gas = \$3.04

ND Market Oil Price

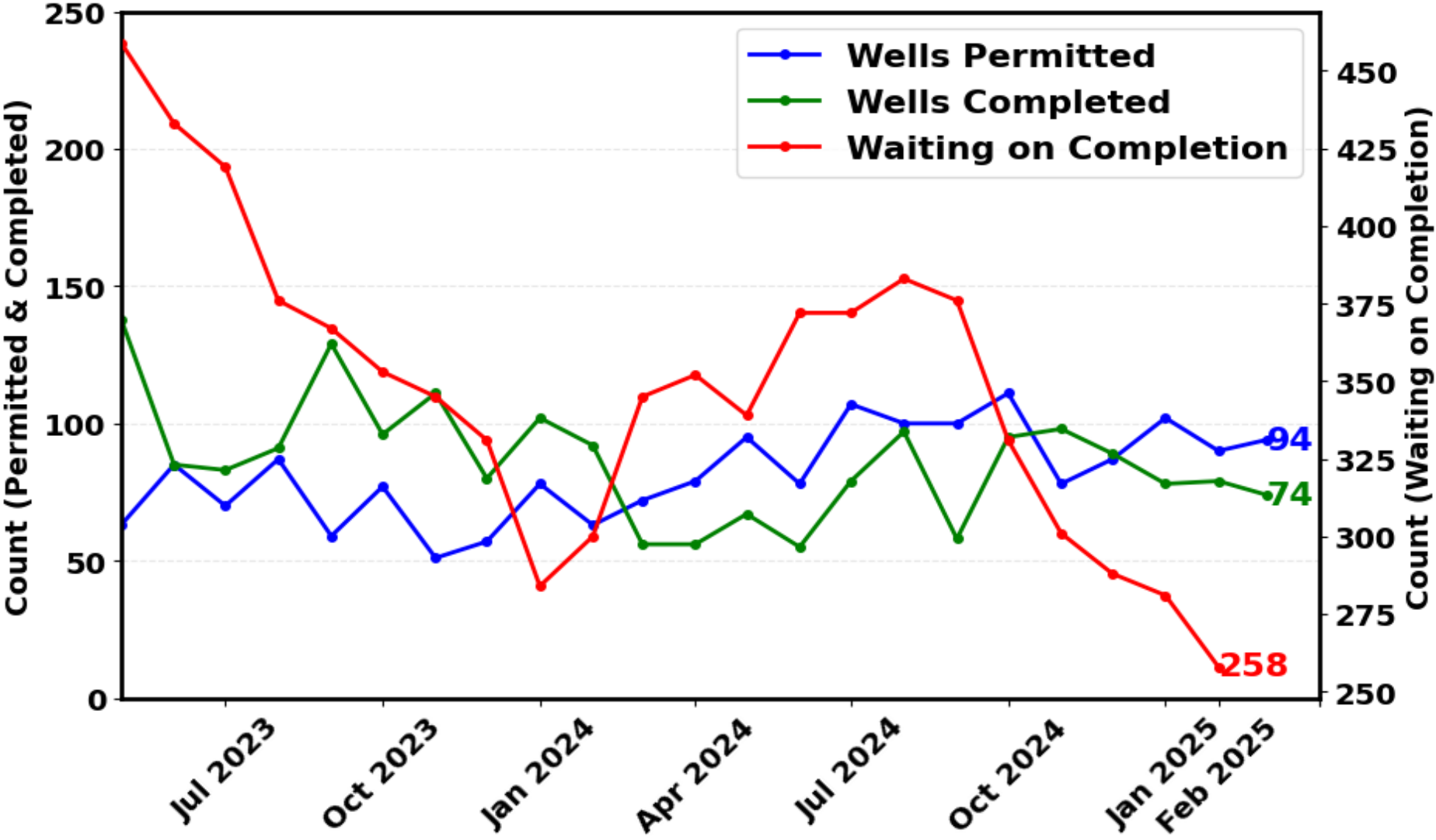
Revenue Forecast = \$70

- February = \$63.94
 - -8.7% to RF
- January = \$67.64



- Current frac crew count = 13
 - Consistent with January & February

PERMITS AND COMPLETIONS



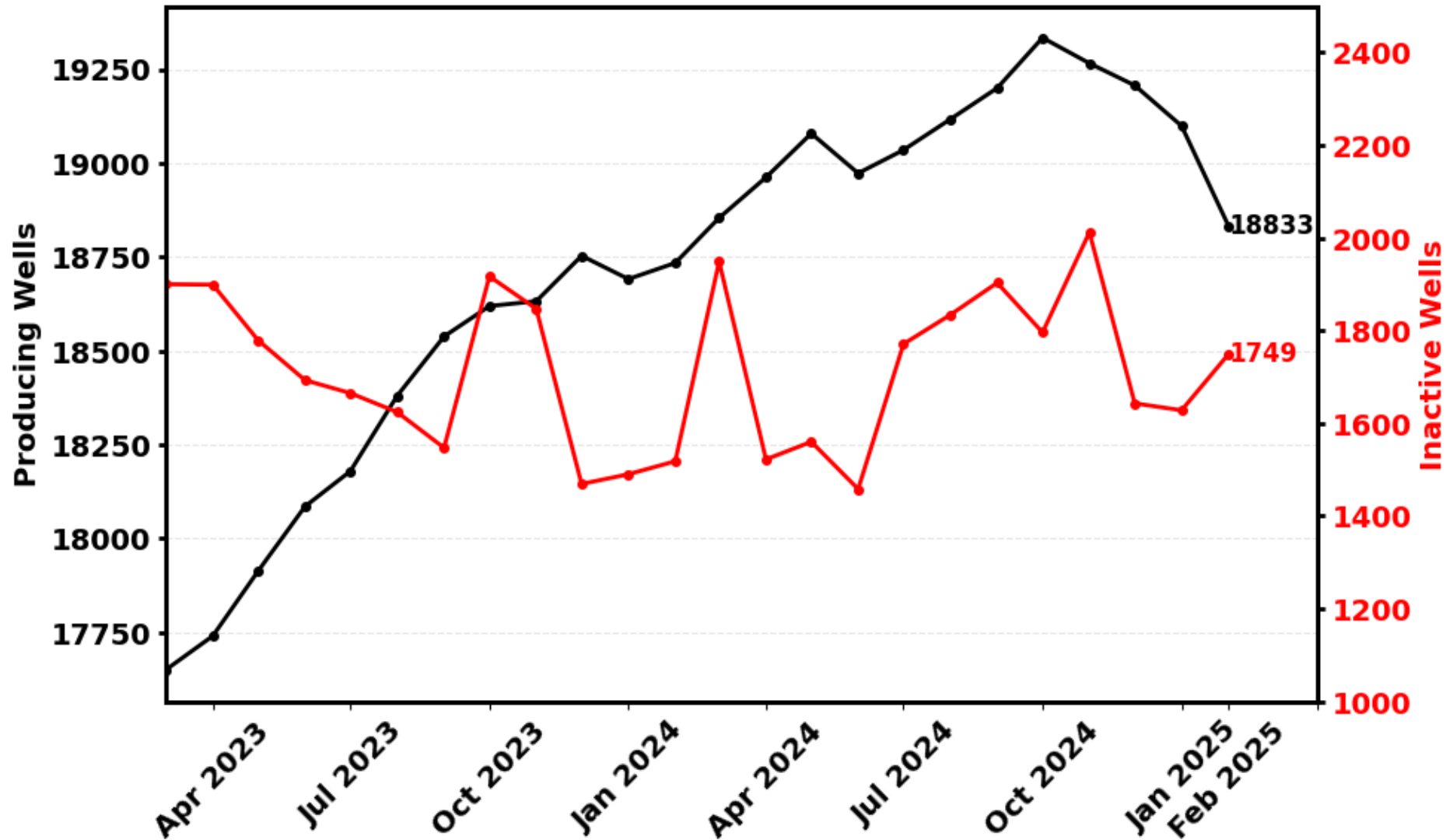
PERMIT TREND

- March = 94
- February = 90
- January = 102

COMPLETION TREND

- March = 74
- February = 79
- January = 78

WELL COUNT

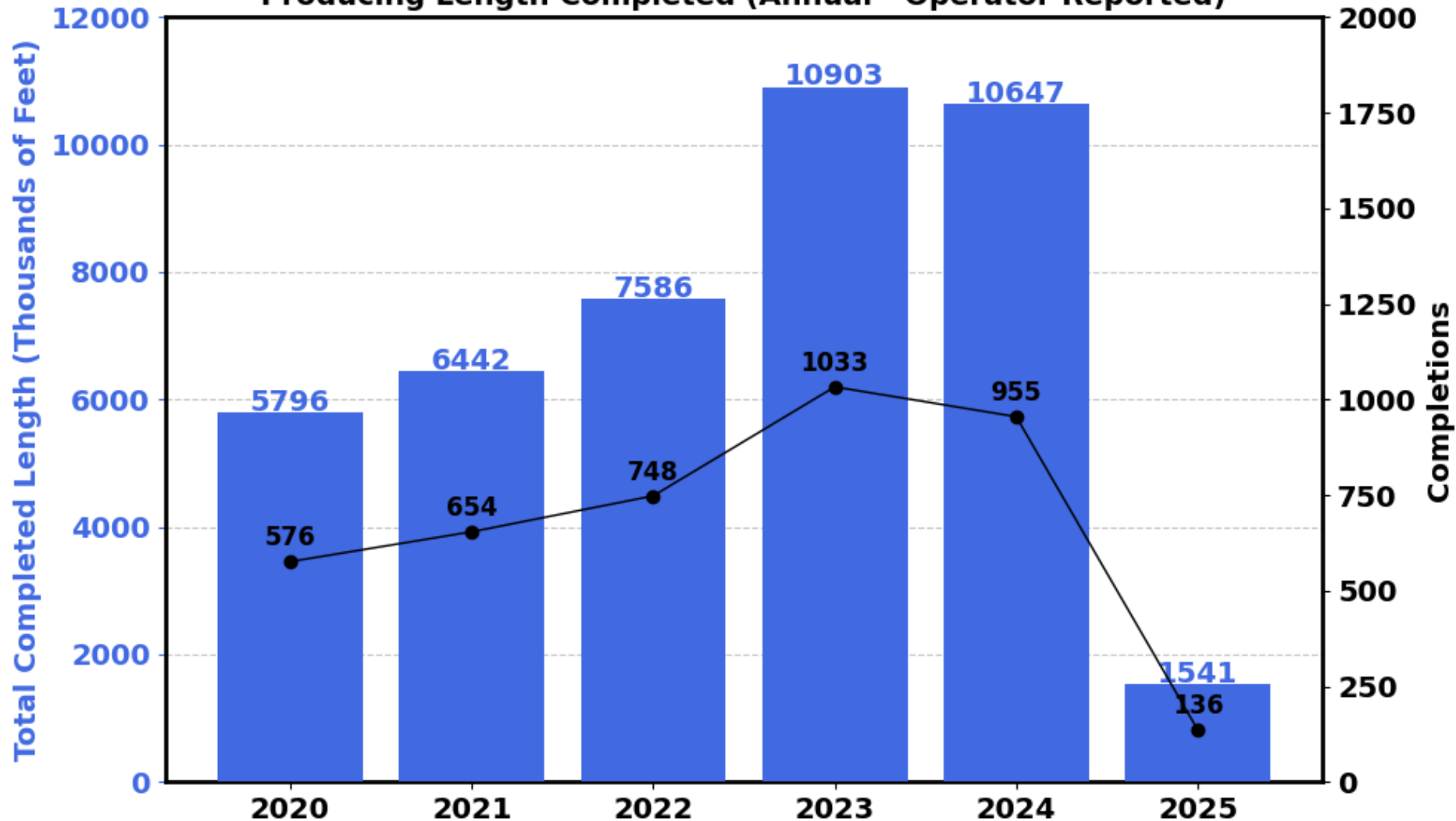


- Total producing wells down slightly, likely due to extreme weather conditions
- Number of inactive wells is steady between 1400 and 2000, typical to be highly variable

COMPLETED FOOTAGE OVER TIME



Producing Length Completed (Annual - Operator Reported)



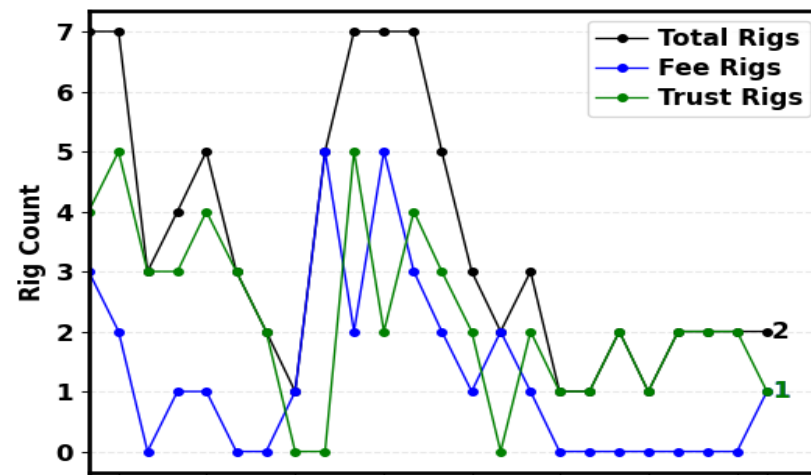
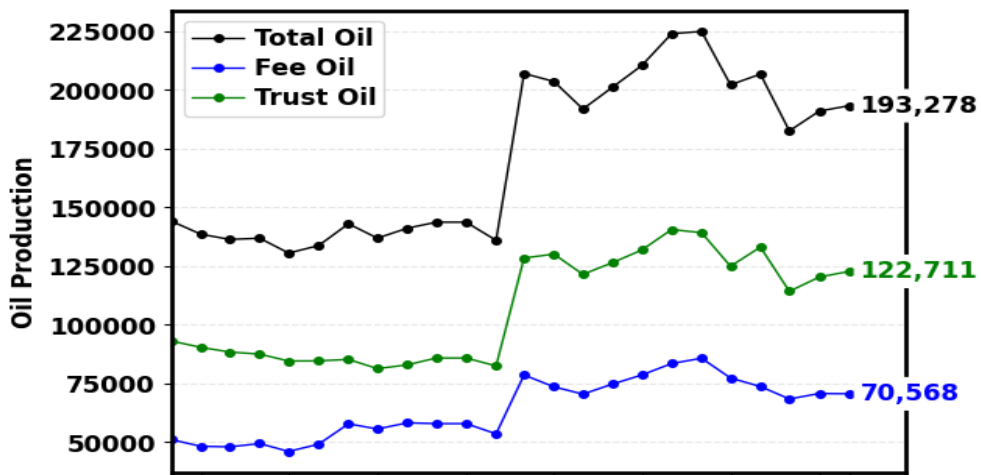
TREND OF LATERAL LENGTHS

- 2024 = 10,647,000 total feet completed
- Estimated average lateral length completed by year:
 - 2020 = 10,062
 - 2021 = 9,850
 - 2022 = 10,141
 - 2023 = 10,554
 - 2024 = 11,149

U-SHAPED LATERAL UPDATE

- 12 U-Shaped lateral permits issued to date
- 2 are completed and online

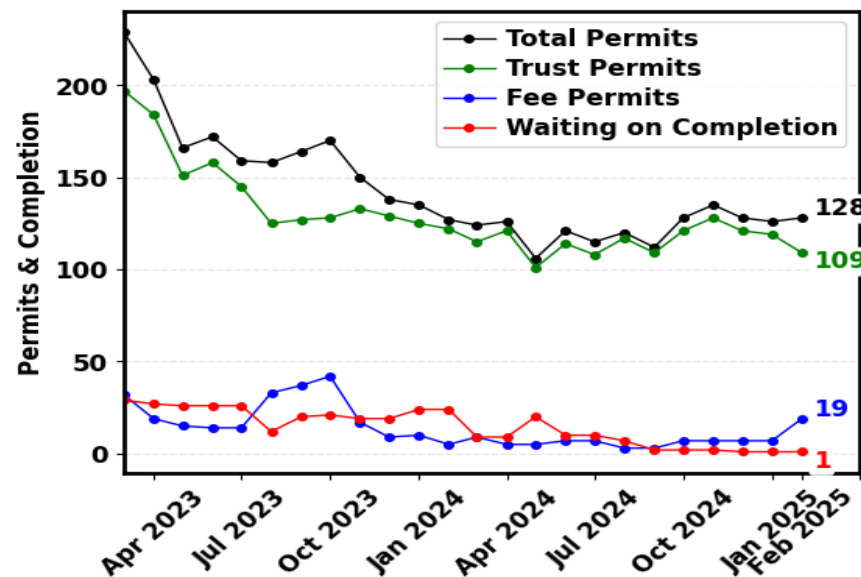
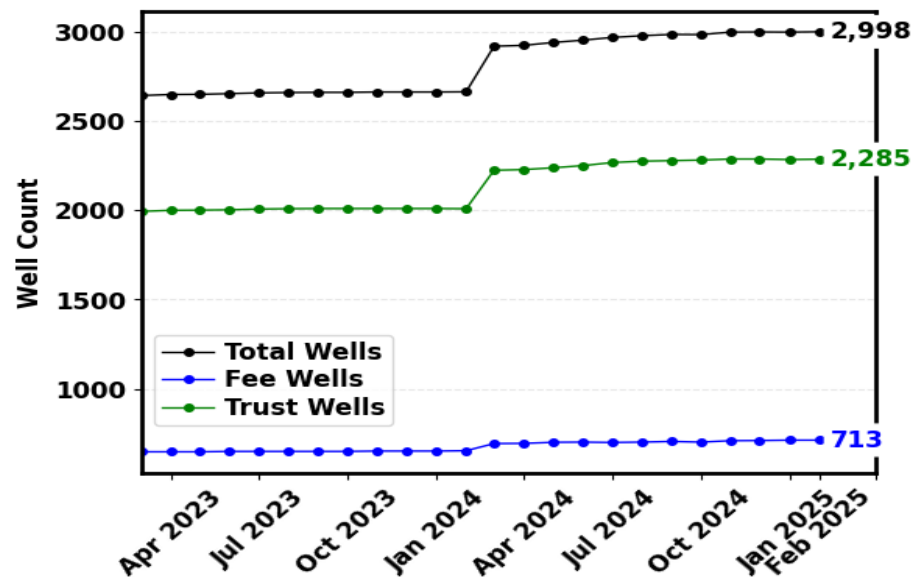
FORT BERTHOLD ACTIVITY



Feb. Oil Production = 193,278
 Jan. Oil Production = 190,982

- Slight increase month over month
- Note: Amended production reports were submitted for June 2024-January 2025*

Rig count steady at 2



Total Active Permits = 128

- Steady month over month

Number of Active Wells = 2,998

- Fee = 713
- Trust = 2,285

GAS CAPTURE



The state-wide gas flared volume from January to February increased by 0.4 MMCF/D to 177.4 MMCF/D, the statewide gas capture remained at 95% while Bakken gas capture remained steady at 95%.

Gas capture details are as follows:

Statewide	95%
Statewide Bakken	95%
Non-FBIR Bakken	95%
FBIR Bakken	97%
Trust FBIR Bakken	97%
Fee FBIR	94%

The Commission has established the following gas capture goals:
74% October 1, 2014 through December 31, 2014
77% January 1, 2015 through March 31, 2016
80% April 1, 2016 through October 31, 2016
85% November 1, 2016 through October 31, 2018
88% November 1, 2018 through October 31, 2020
91% beginning November 1, 2020

SUMMARY



Month and Year	April 2025
Days	30
Oil Production (bbls)	32,588,472
Average Daily Oil (bbls/day)	1,163,874
Gas Production (MCF)	91,519,662
Average Daily Gas (MCF/day)	3,268,559
Daily Average Oil Revenue Forecast (bbls/day)	1,100,000
Oil Revenue Forecast Price (\$/bbl)	70
Avg Daily Bakken-Three Forks Prod (bbls/day)	1,135,625
Bakken Production (%)	98
Other Production (%)	2
Bakken-Three Forks Wells (%)	89
Percentage Other Wells (%)	11
WTI Oil Price (\$/bbl)	63.44
ND Oil Price (\$/bbl)	63.94
Henry Hub Price (USD/MMBtu)	3.04
Wells Permitted	94
Wells Completed	74
Waiting On Completion	258
Inactive Wells	1,749
Total Producing Wells	18,833
Fort Berthold Total Oil	193,278
Fort Berthold Fee Oil	70,568
Fort Berthold Trust Oil	122,711
Fort Berthold Total Rigs	2
Fort Berthold Fee Rigs	1
Fort Berthold Trust Rigs	1
Fort Berthold Total Wells	2,998
Fort Berthold Fee Wells	713
Fort Berthold Trust Wells	2,285
Fort Berthold Waiting On Completion	1
Fort Berthold Total Permits	128
Fort Berthold Fee Permits	19
Fort Berthold Trust Permits	109
North Dakota Rigs	33
North Dakota Frac Crews	13
FBPotentialTotal	1,763
FBPotentialFee	566
FBPotentialTrust	0

- 2 seismic crews active



THANK YOU

DEPARTMENT OF MINERAL RESOURCES

dmr.nd.gov | oilandgasinfo@nd.gov | 701.328.8020 | 1016 East Calgary Avenue, Bismarck, ND 58503

Pipeline Authority Monthly Update

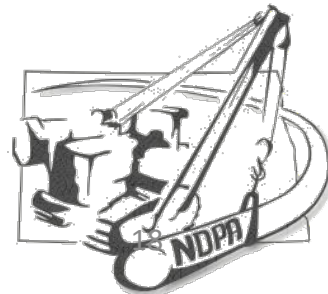
Justin J. Kringstad

Geological Engineer

Director

North Dakota Pipeline Authority

April 22, 2025



US Williston Basin Oil Production - 2025

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,175,127	74,307	2,281	1,251,715
February	1,163,874			
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

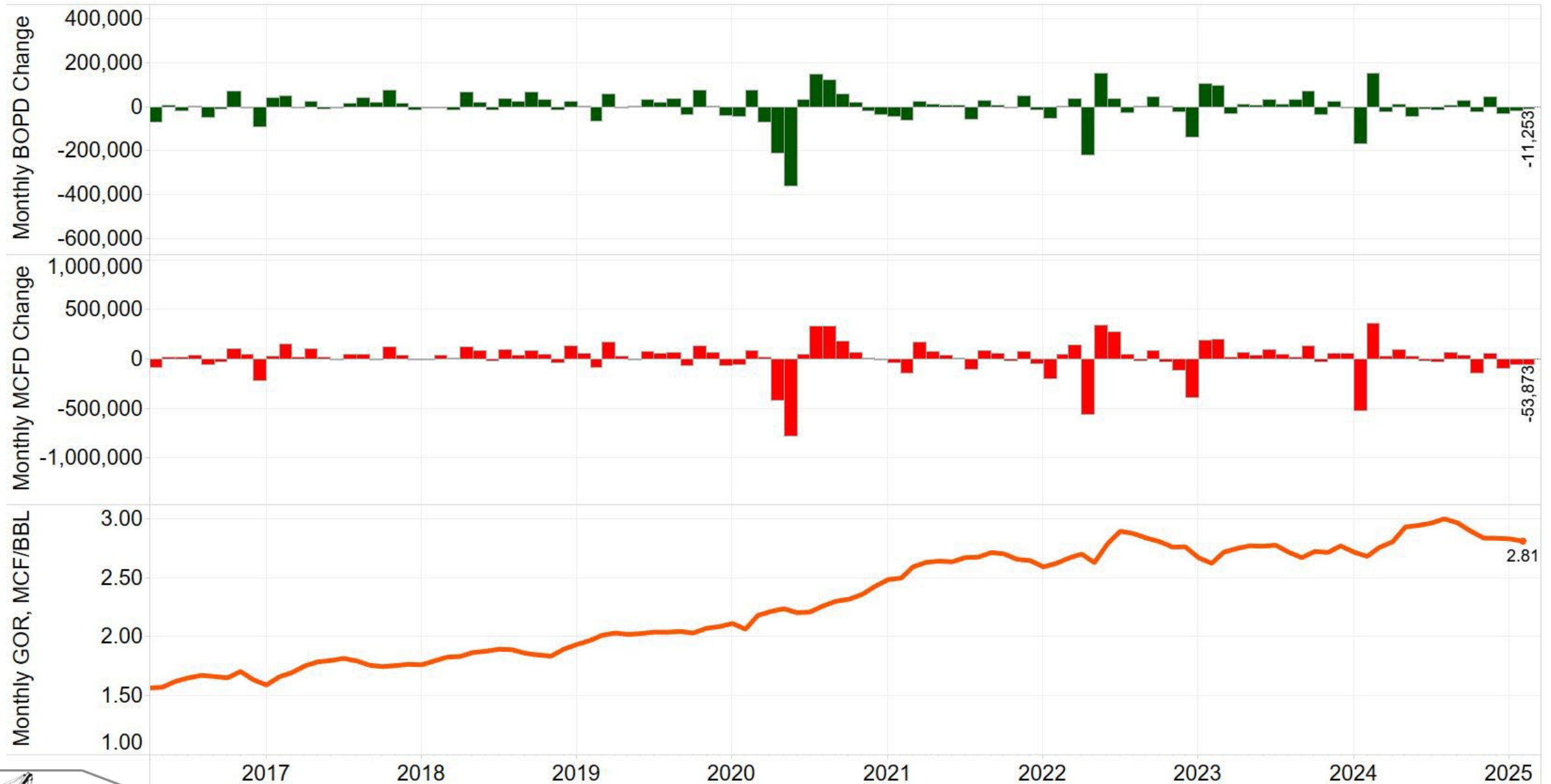


US Williston Basin Oil Production - 2024

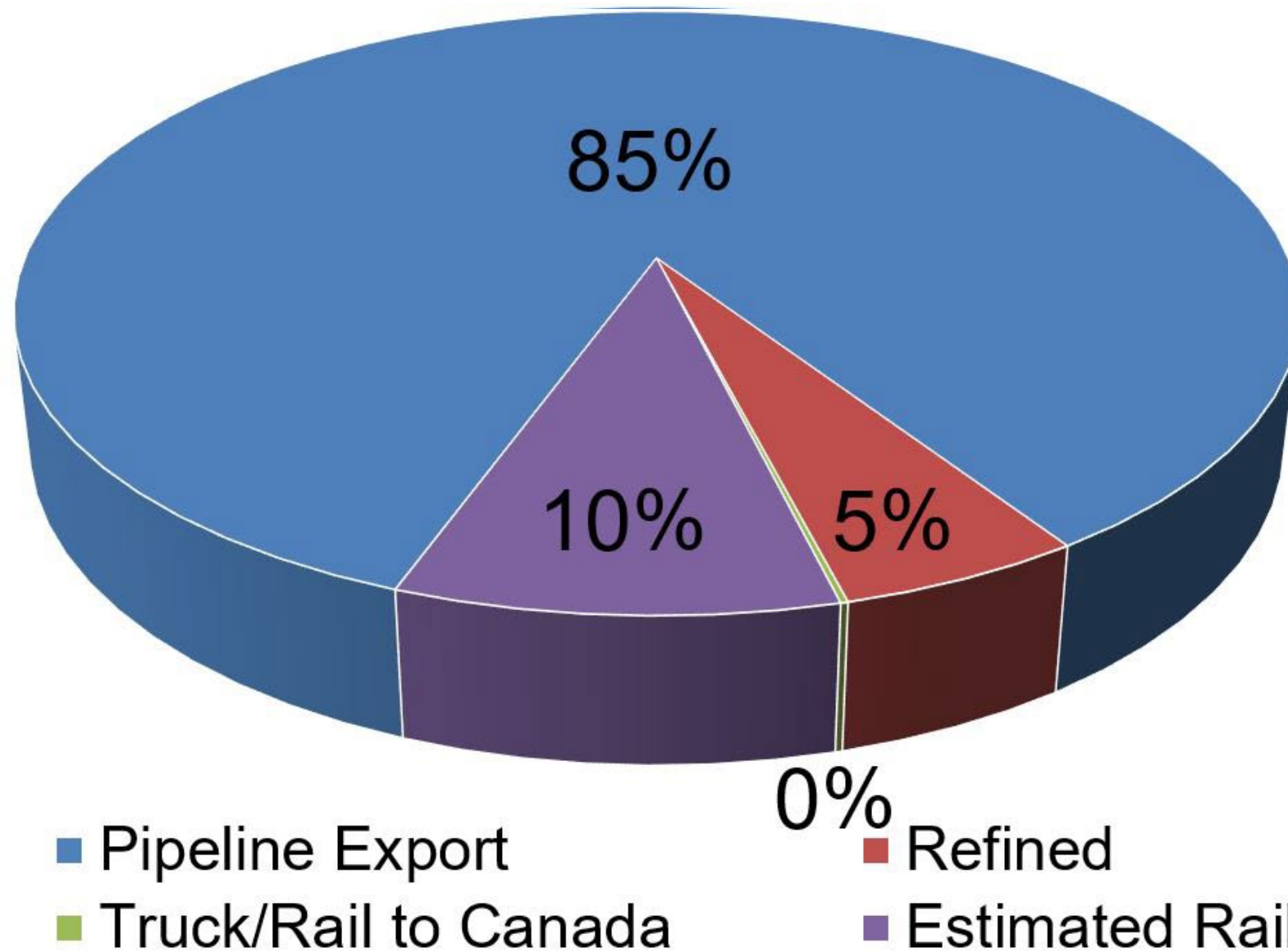
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,105,208	59,279	2,312	1,166,798
February	1,256,126	66,332	2,412	1,324,870
March	1,231,474	70,690	2,590	1,304,754
April	1,243,018	72,393	2,430	1,317,841
May	1,198,803	72,636	2,349	1,273,788
June	1,186,409	71,587	2,370	1,260,366
July	1,169,457	69,348	2,329	1,241,134
August	1,176,696	75,914	2,349	1,254,959
September	1,203,157	74,878	2,326	1,280,361
October	1,180,995	78,486	2,487	1,261,968
November	1,225,297	83,144	2,265	1,310,706
December	1,192,248	76,408	2,246	1,270,901



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

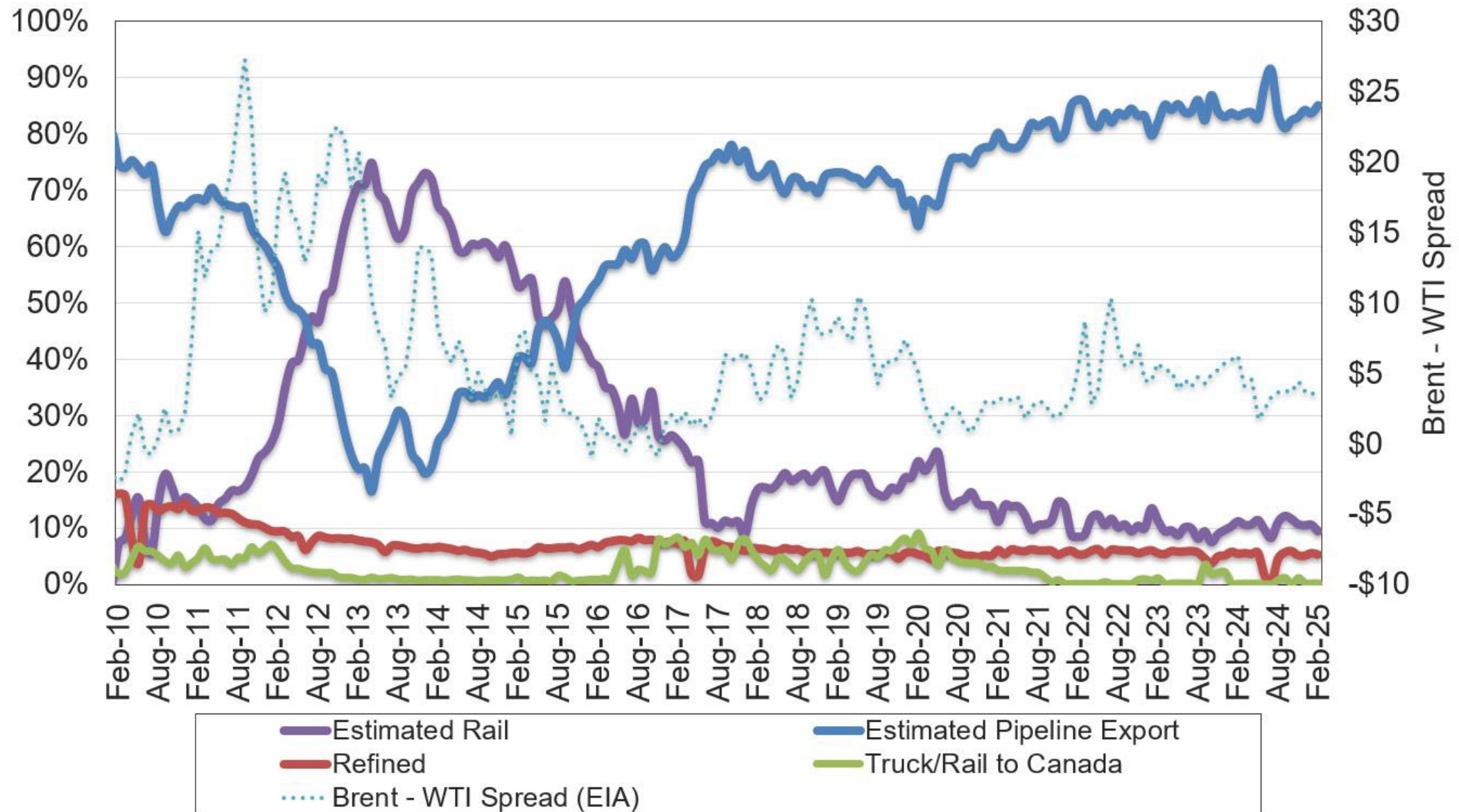
■ Truck/Rail to Canada

■ Refined

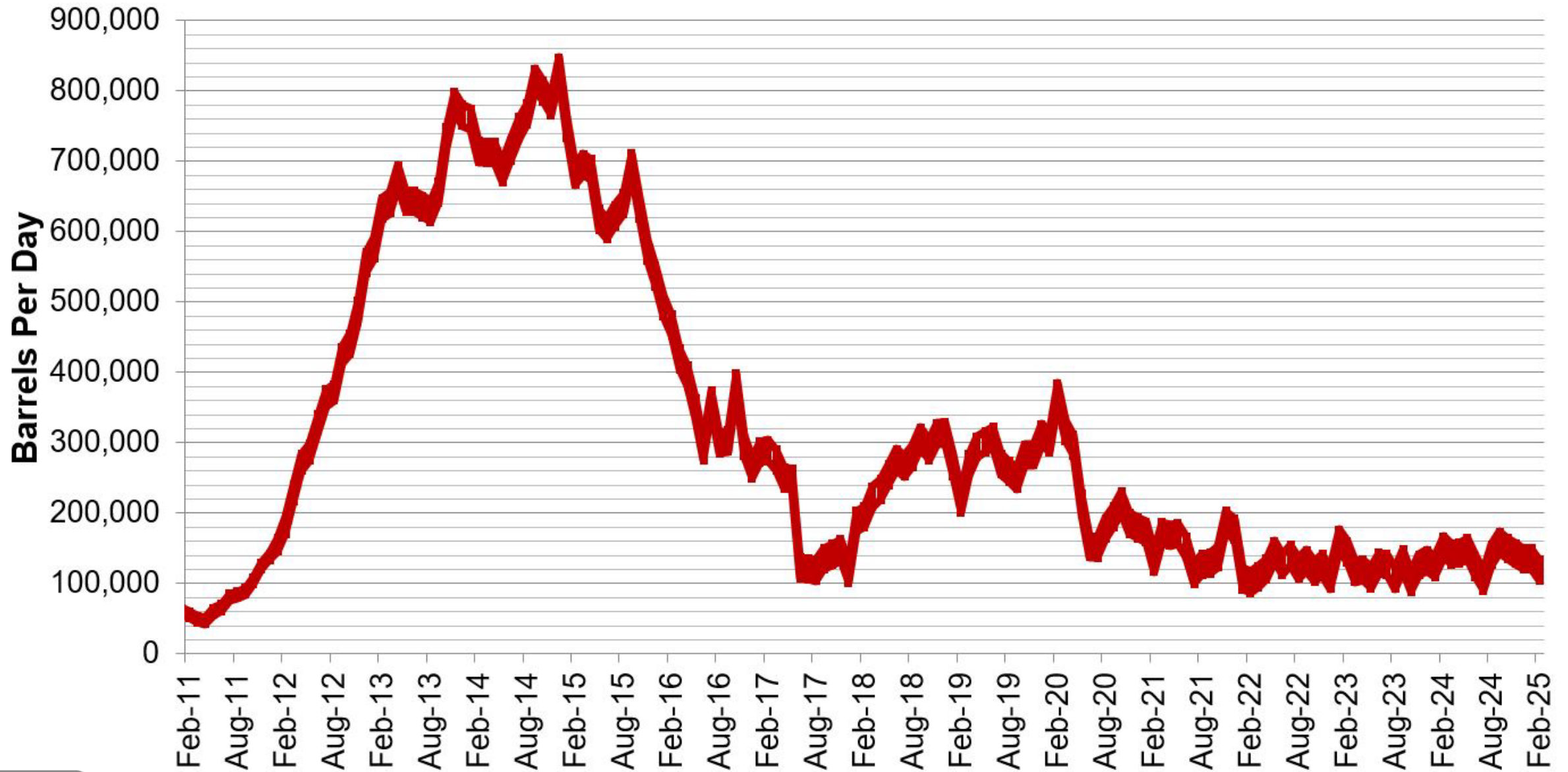
■ Estimated Rail



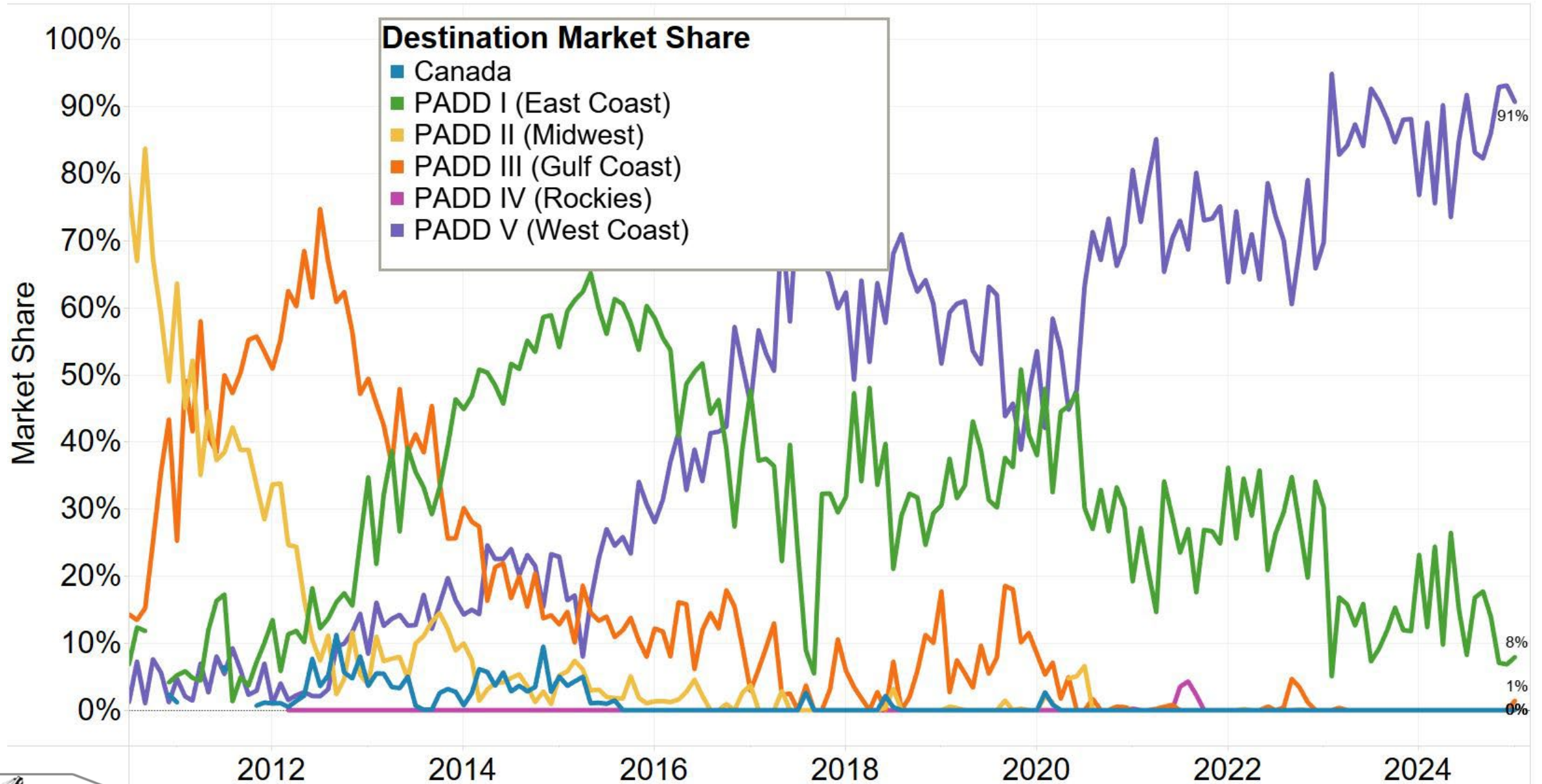
Estimated Williston Basin Oil Transportation



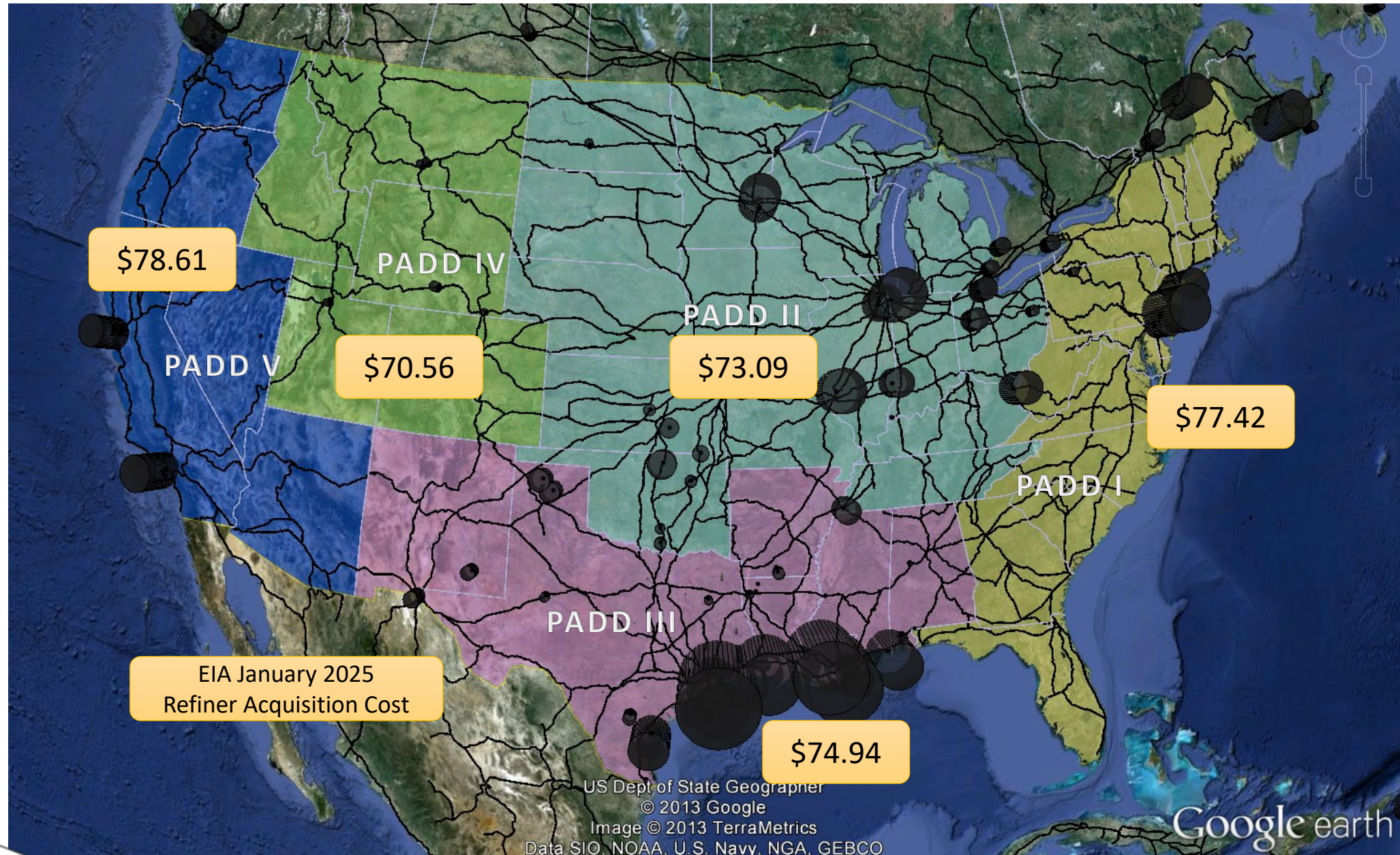
Estimated ND Rail Export Volumes



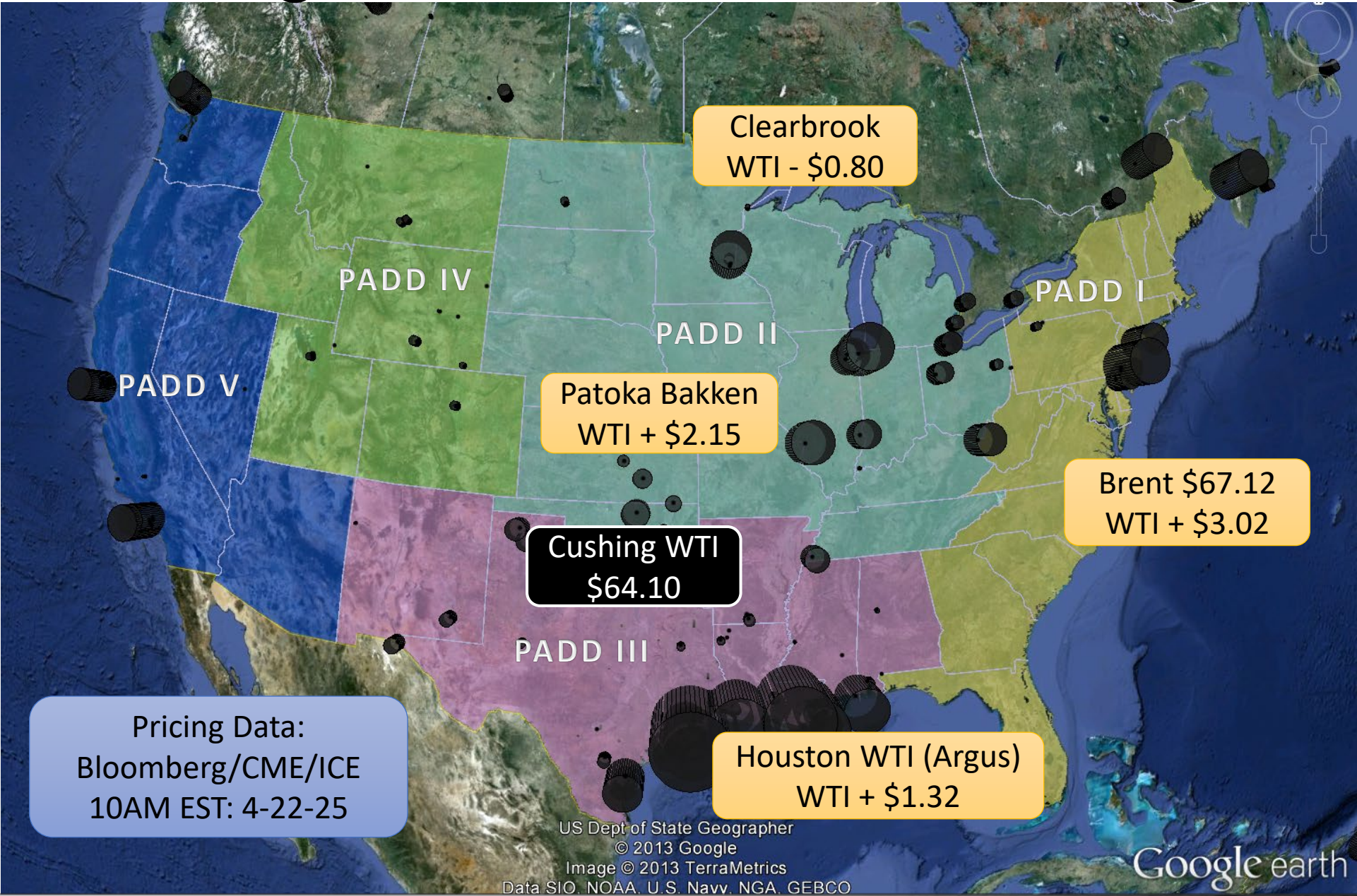
Rail Destinations Market Share (Jan. 2025)



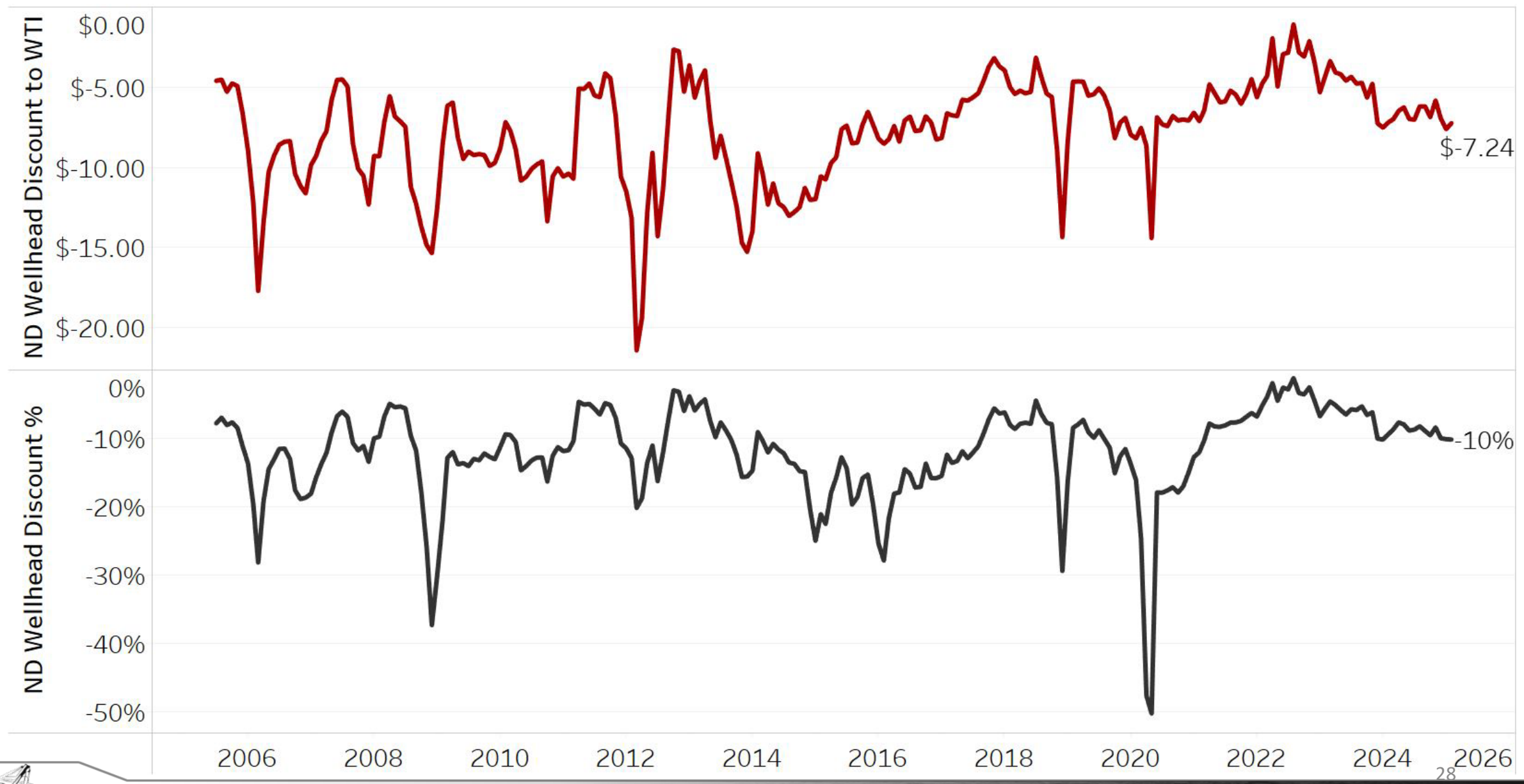
Major Rail Lines and Refineries



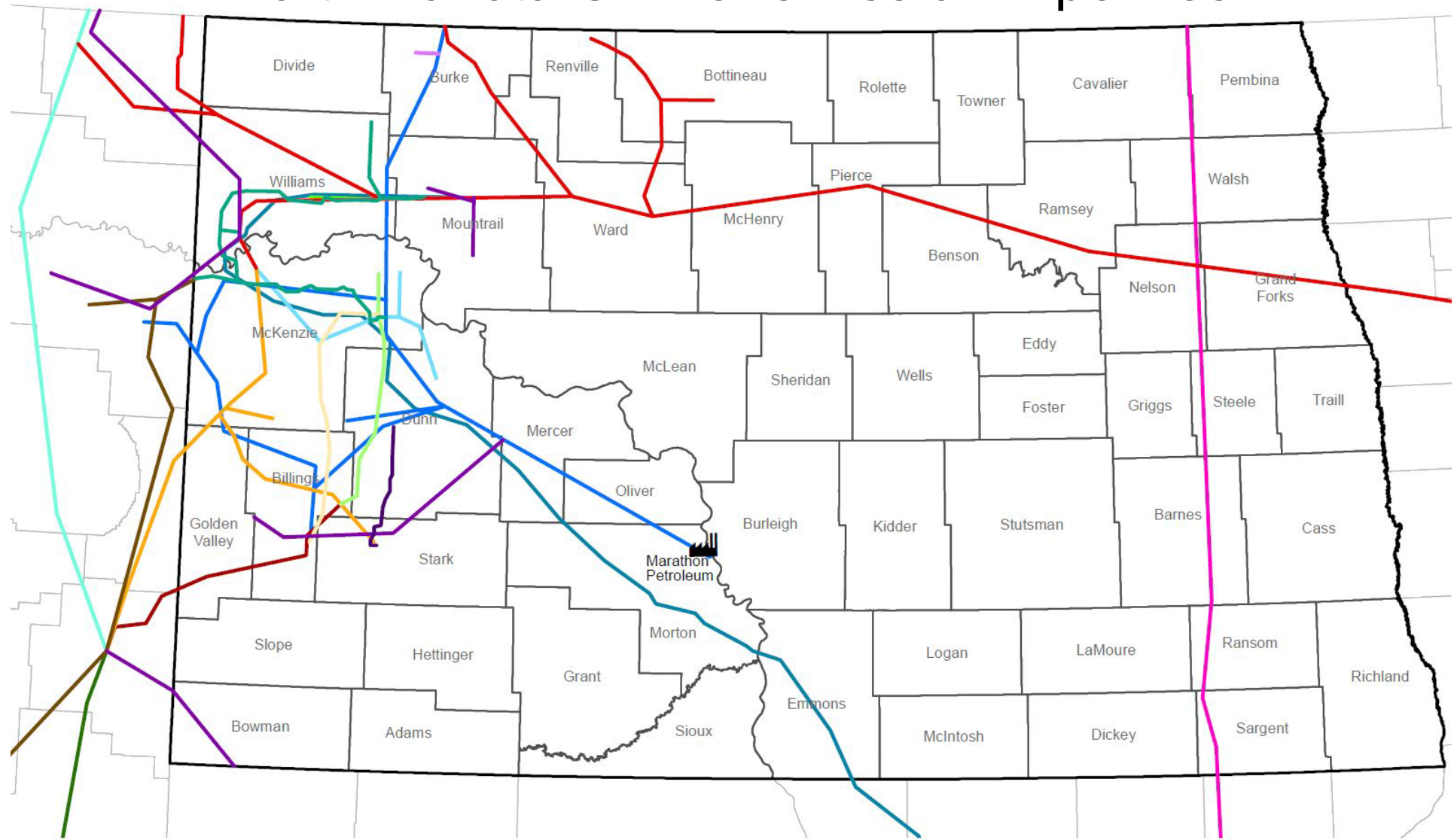
Major Pricing Benchmarks & Refining Centers



Average North Dakota Oil “Discount” to WTI



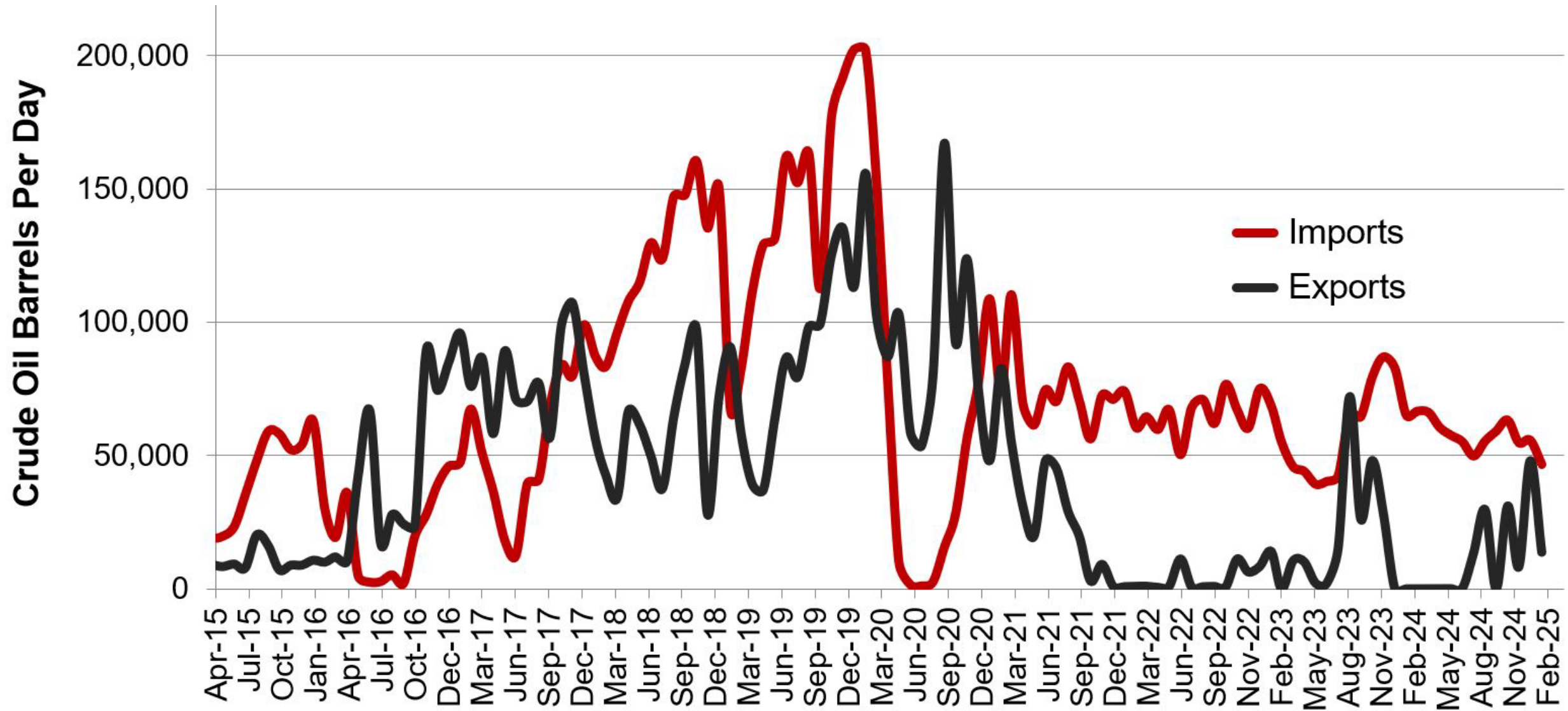
North Dakota Oil Transmission Pipelines



- | | | | | | |
|--------------------|-----------------|---------------|------------|-------------------|----------|
| Refinery | Basin Transload | Butte | Double H | Hiland | Bridger |
| Bakken Oil Express | Belle Fourche | Crestwood | Enbridge | Keystone Pipeline | Targa |
| BakkenLink | Bridger | Dakota Access | Four Bears | Little Missouri | Marathon |



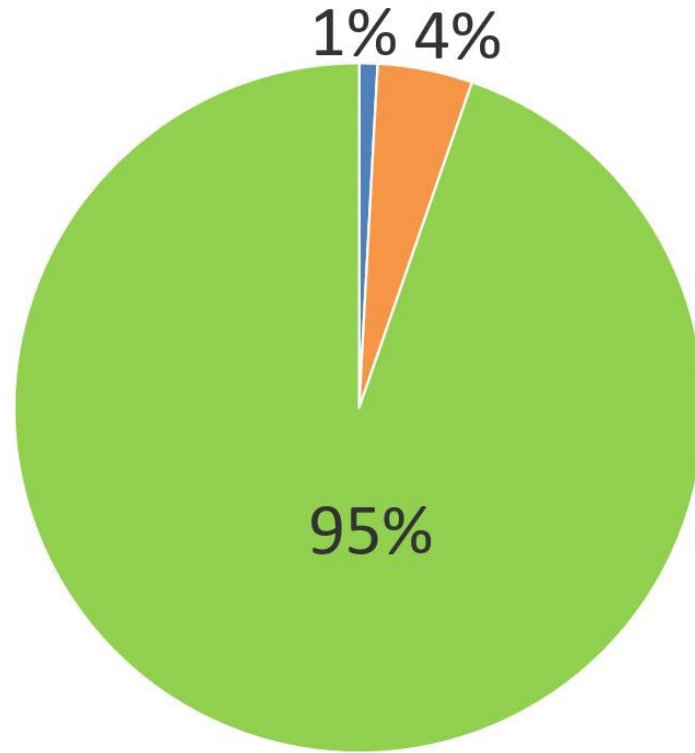
Williston Basin Truck/Rail Imports and Exports with Canada



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.

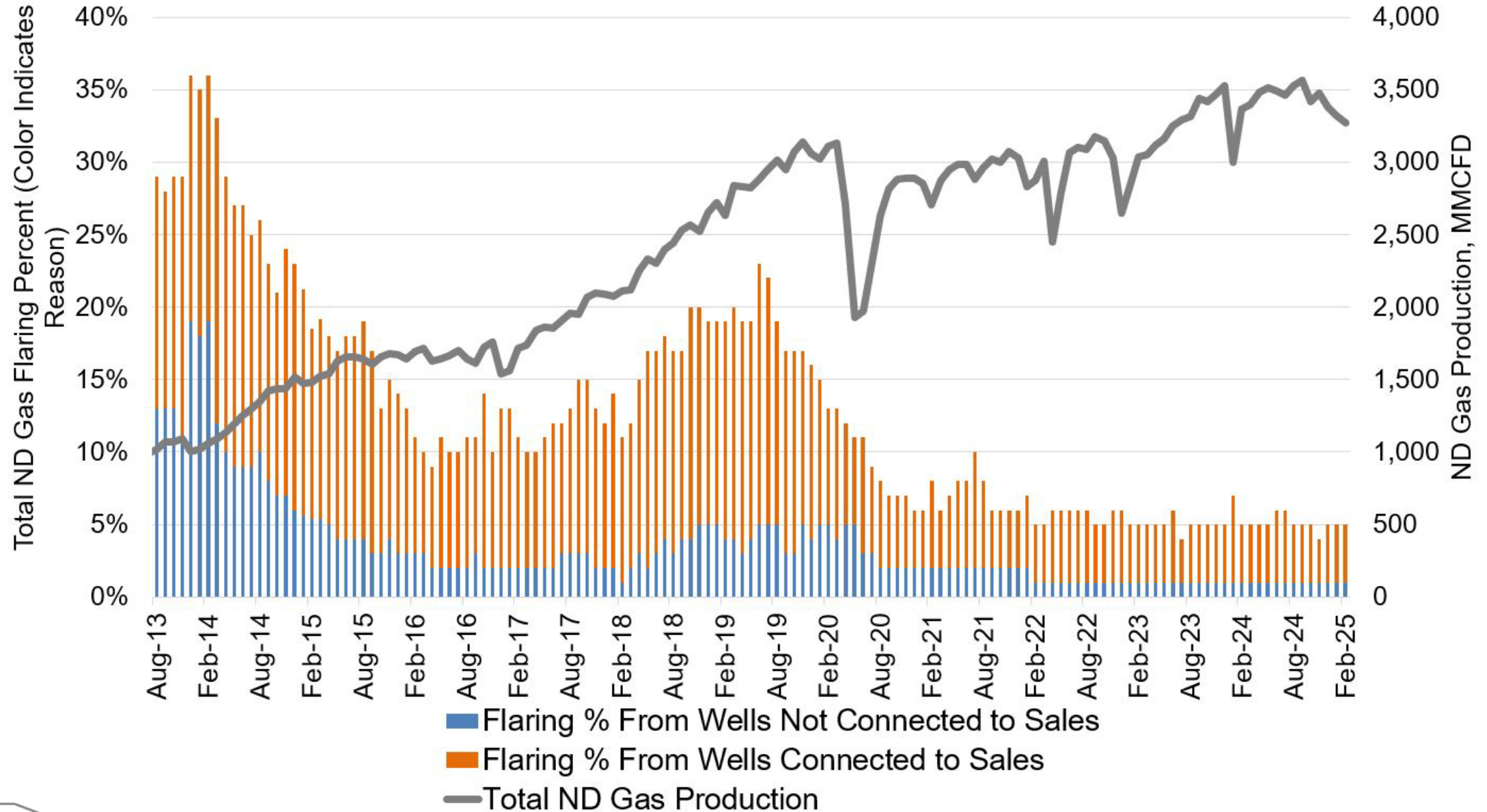
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

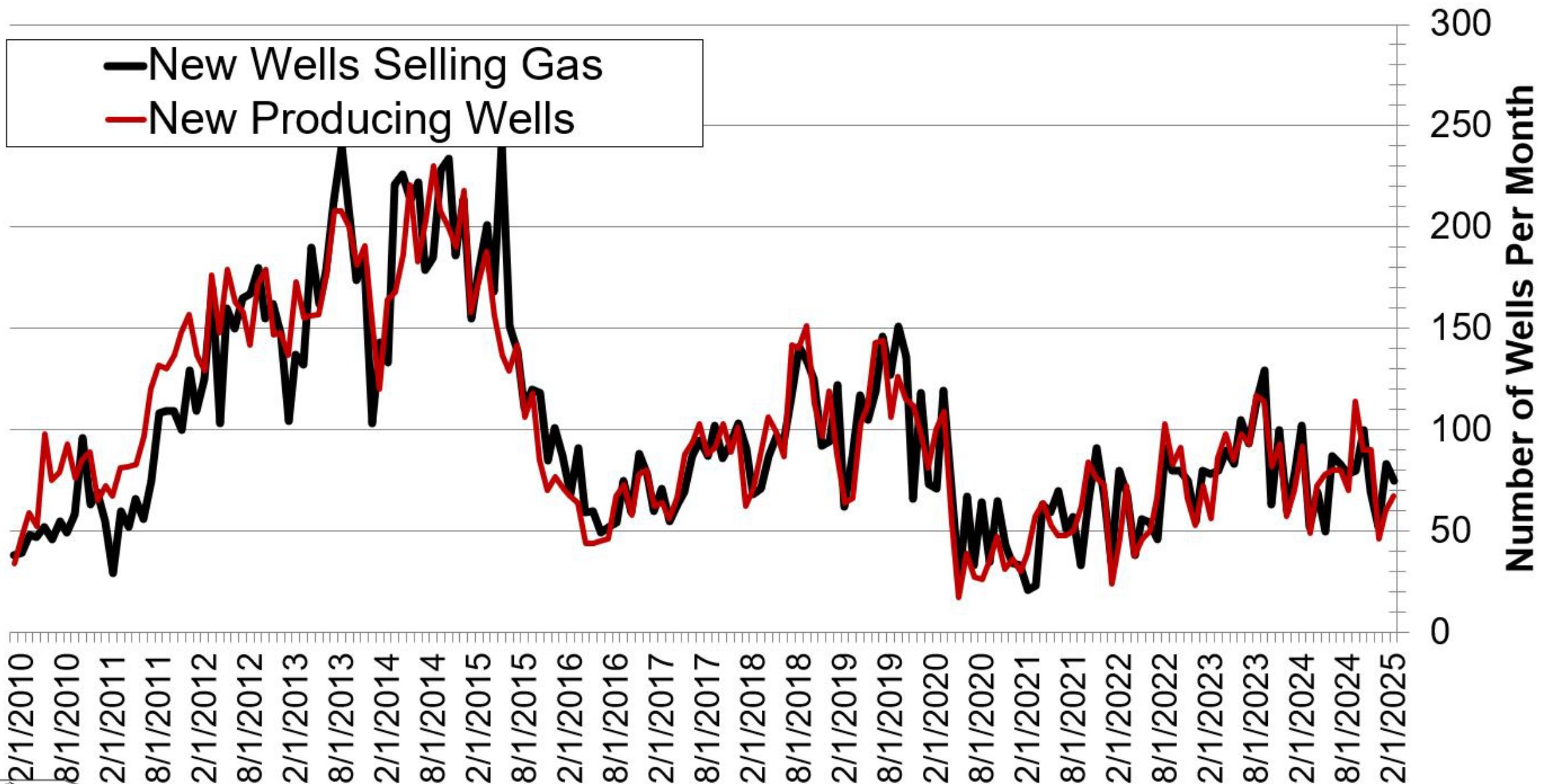
Feb. 2025 Data – Non-Confidential Wells



Solving the Flaring Challenge

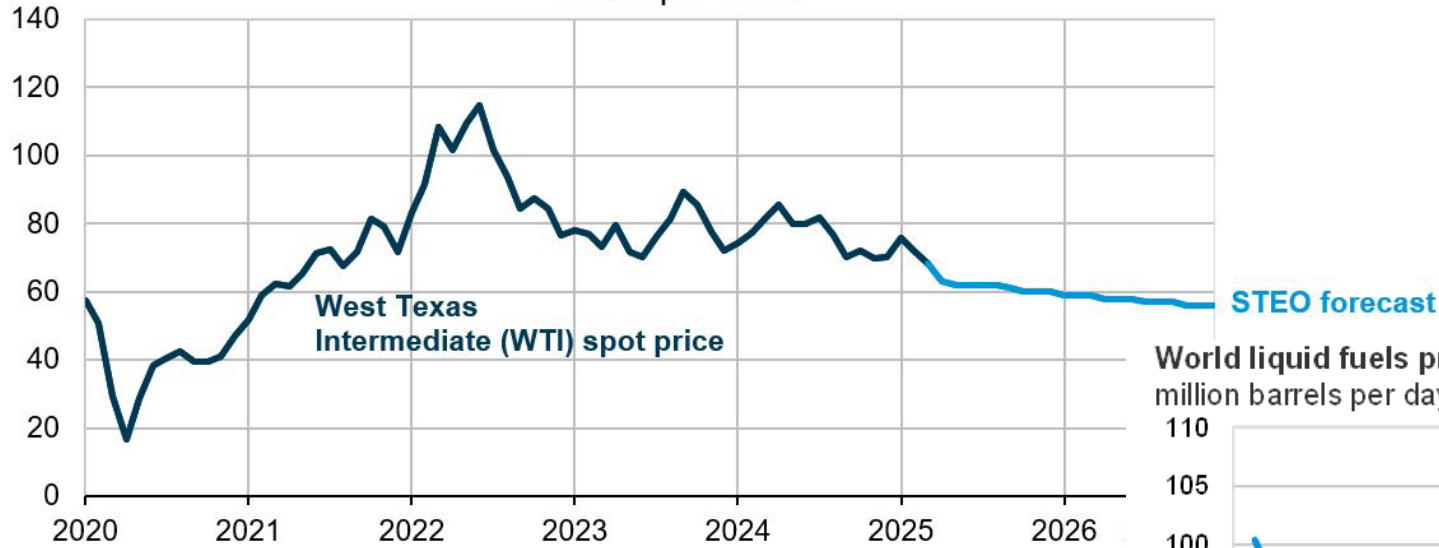


Solving the Flaring Challenge



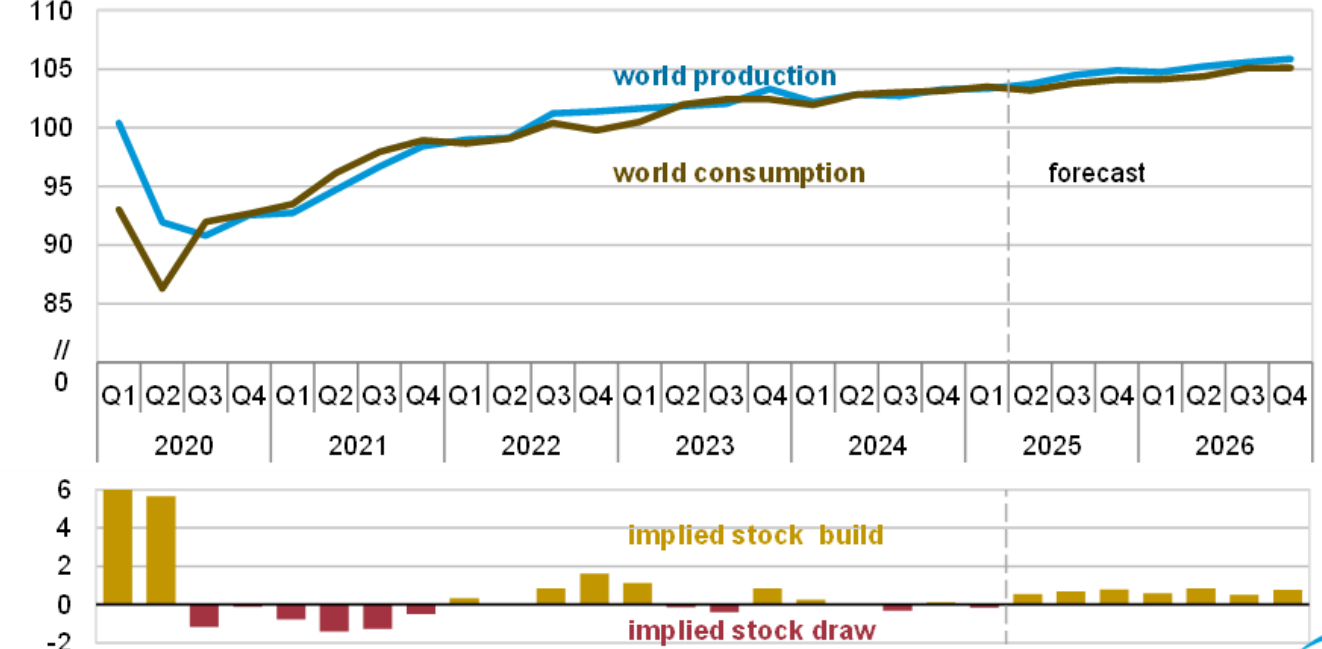
EIA Oil Price Outlook (April 2025)

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



Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, April 2025

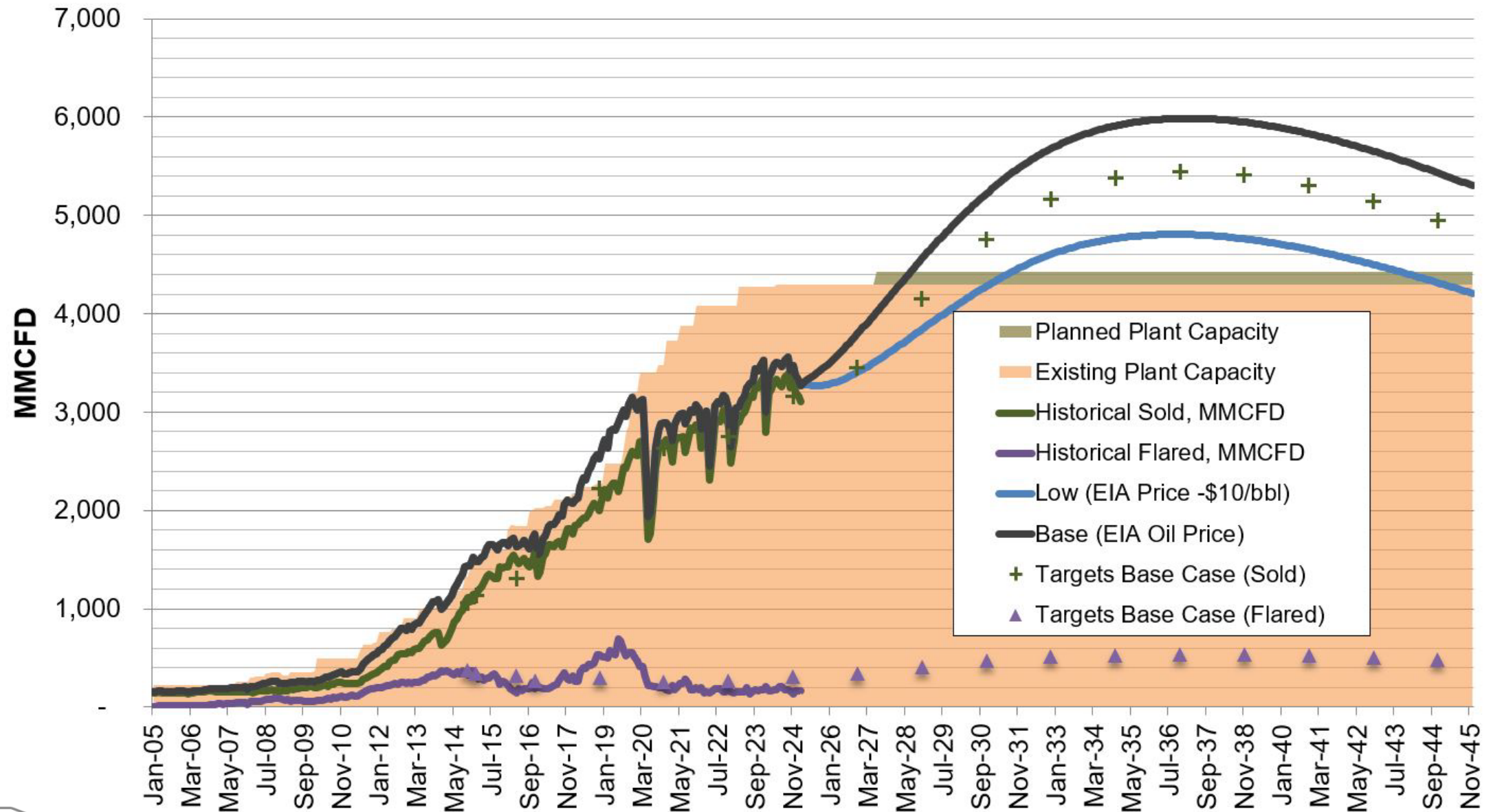
World liquid fuels production and consumption balance
million barrels per day



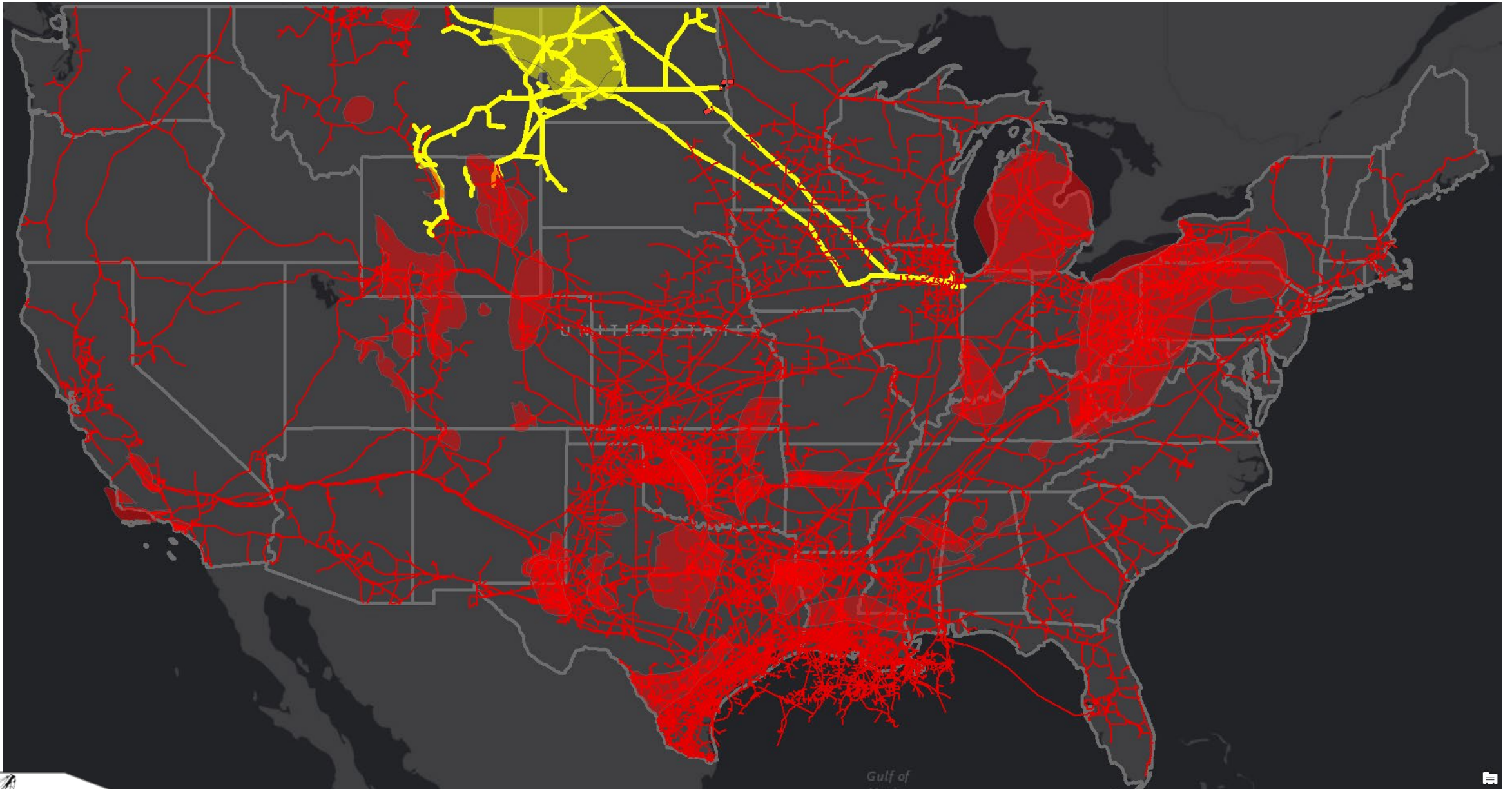
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, April 2025



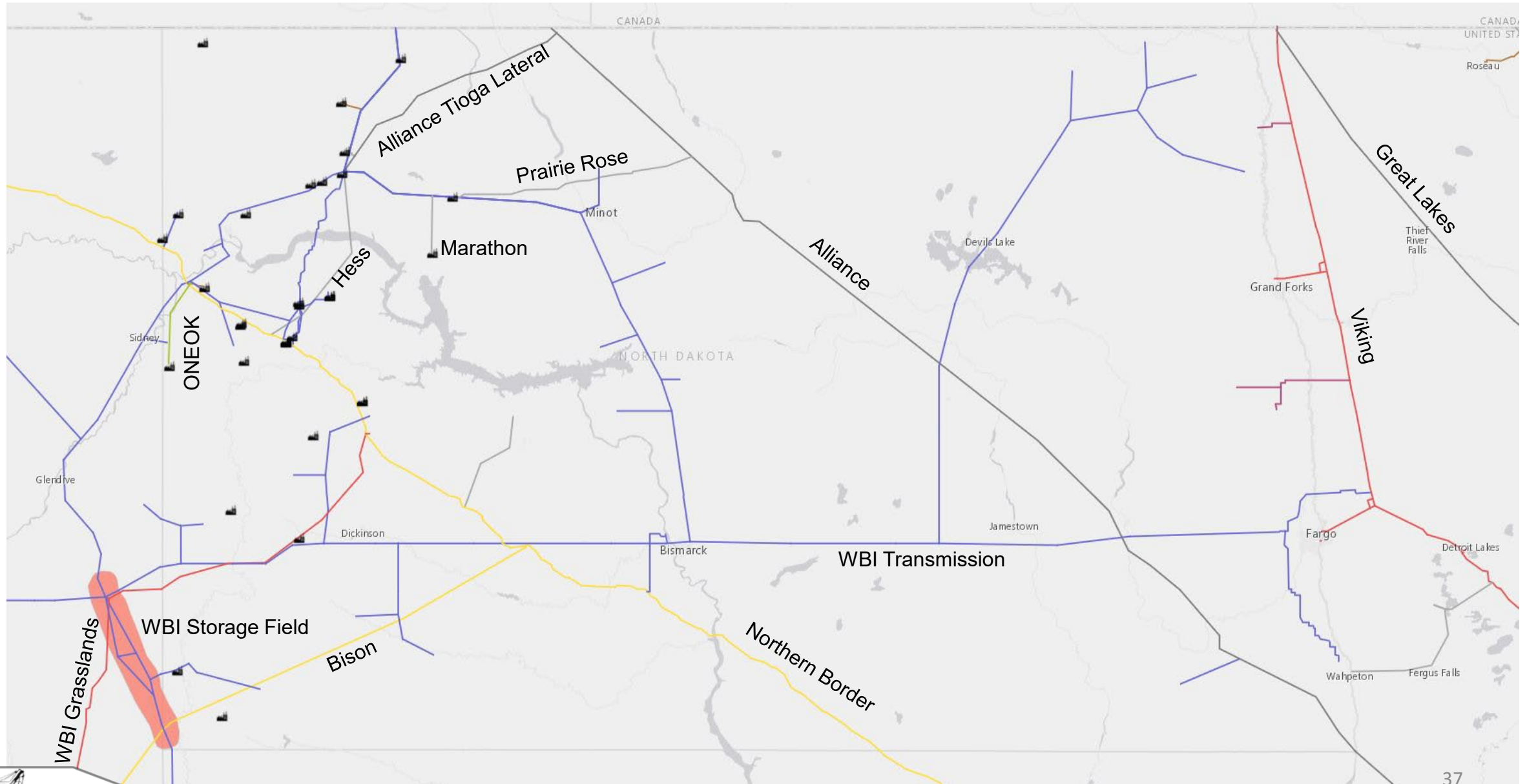
North Dakota Gas Processing Outlook



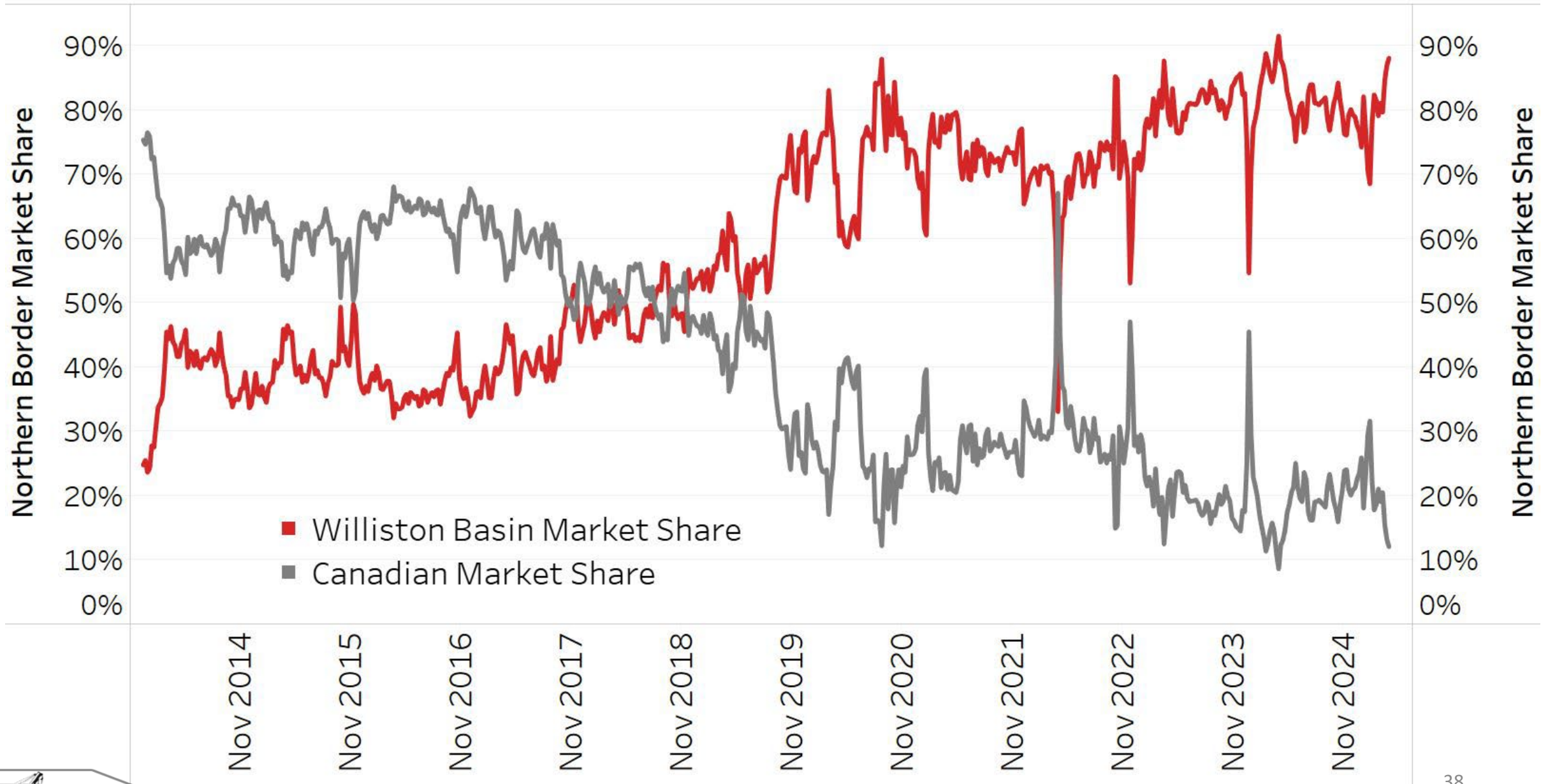
Bakken Natural Gas Infrastructure



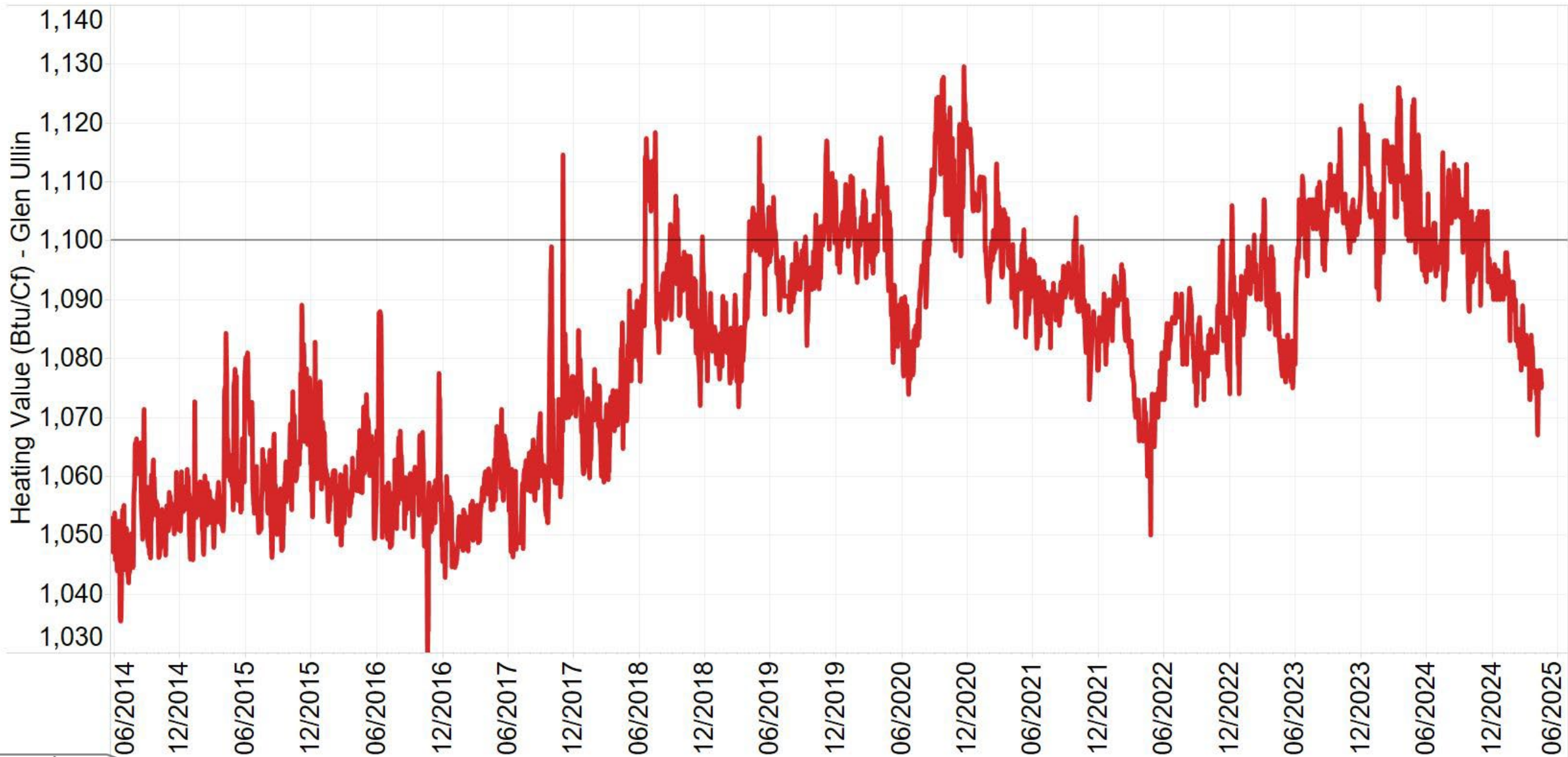
Major Residue Gas Pipeline Infrastructure



Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



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 2 (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

Intensity Infrastructure Partners Proposed Pipeline



Phase 1 Project Highlights

- Non-binding open season Feb 3 – Mar 7, 2025
- 136 Miles: 42" Pipe
- Proposed Capacity 1,500,000 Dth/Day
- January 2028 targeted in-service
- Seeking commitments 10yrs or Longer

Phase 1 Estimated Rates

- \$0.50/Dth + Fuel/Electric/Commodity
- Anchor Shipper Minimum: 100,000 Dth/Day
- Foundation Shipper Minimum: 250,000 Dth/Day

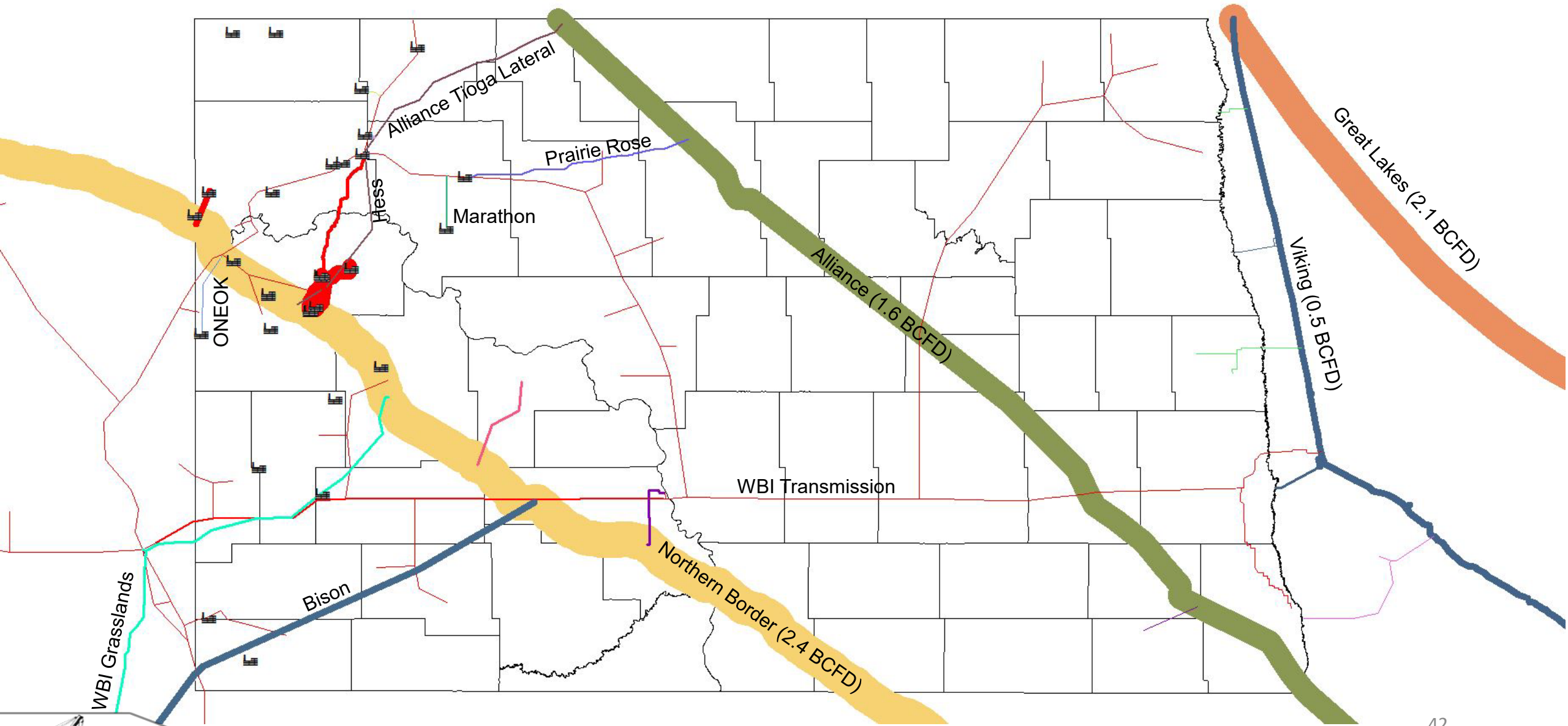
Phase 2 Project Highlights

- Non-binding open season Apr 17 – May 23, 2025
- 208 Miles: 30" Pipe
- Proposed Capacity 430,000 Dth/Day
- January 2030 targeted in-service
- Seeking commitments 10yrs or Longer

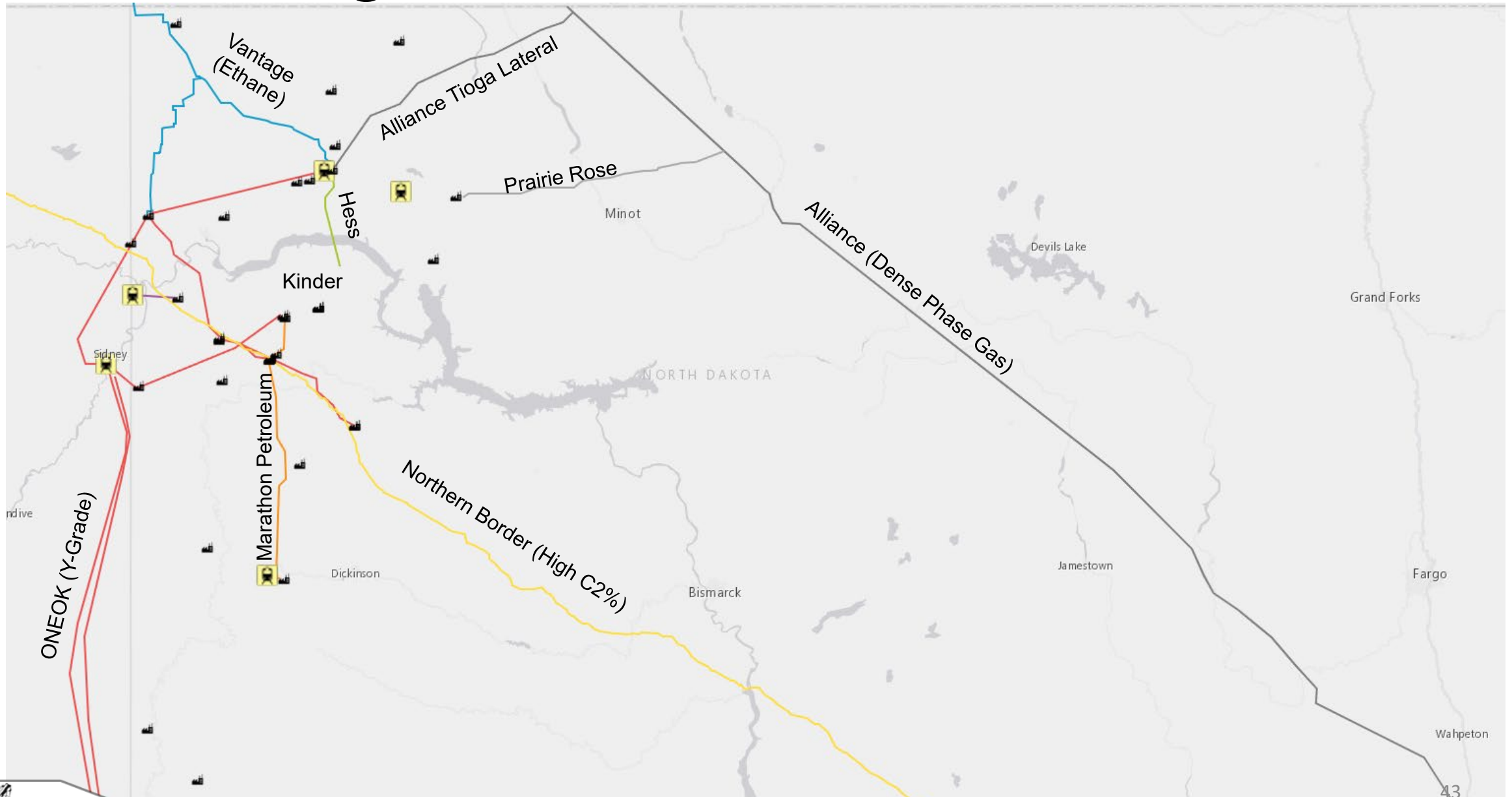
Phase 2 Estimated Rates

- \$0.80/Dth + Fuel/Electric/Commodity
- Anchor Shipper Minimum: 100,000 Dth/Day
- Foundation Shipper Minimum: 250,000 Dth/Day

Residue Gas Pipeline Capacity Visualization



Regional NGL Infrastructure



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