



# DIRECTOR'S CUT

December 19, 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



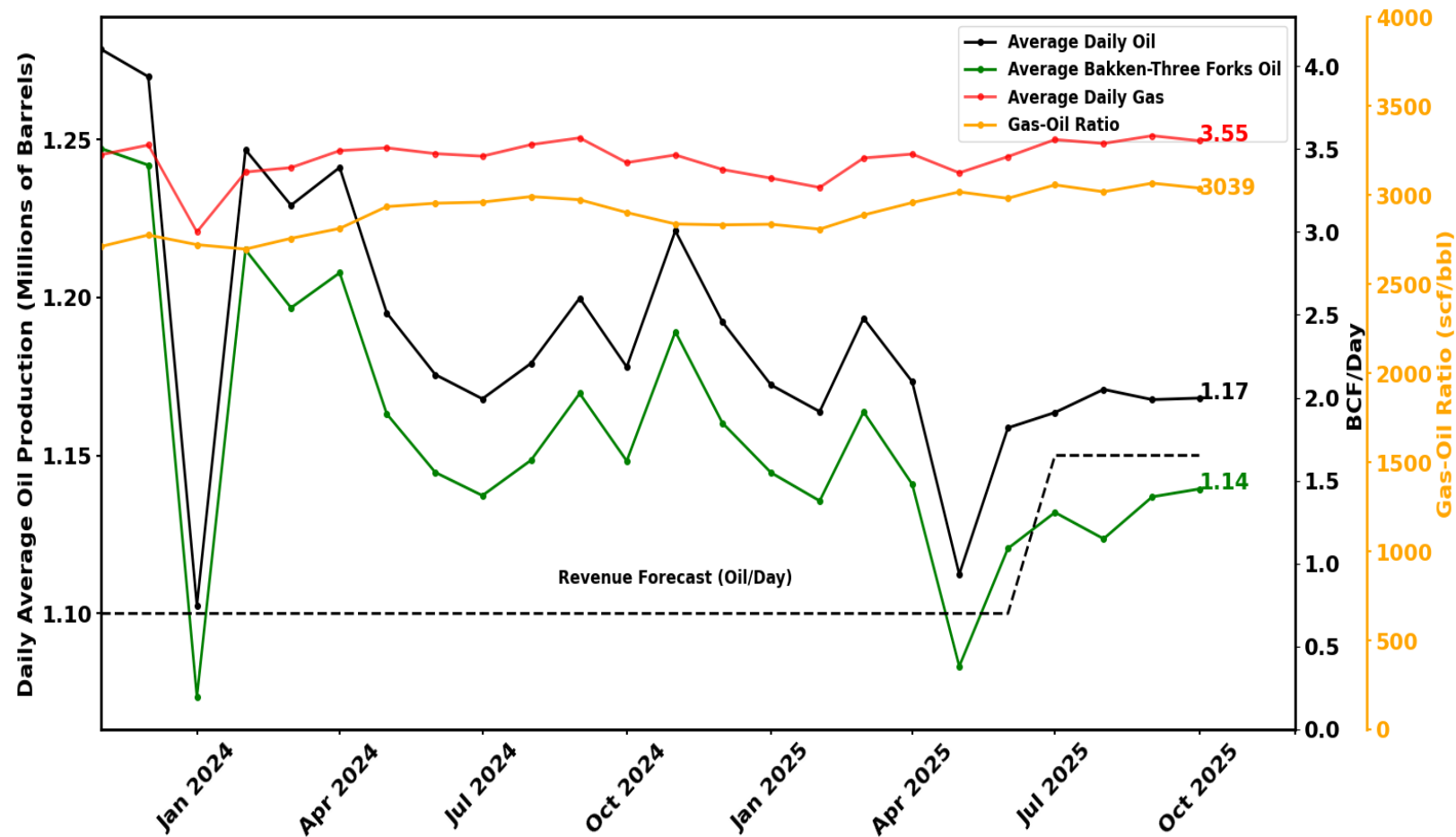
**JUSTIN KRINGSTAD**

Executive Director

North Dakota Pipeline Authority



# NORTH DAKOTA PRODUCTION



**Statewide Production Producing Wells**  
**Bakken 97.5%**  
**Other 2.5%**  
**Bakken 89%**  
**Other 11%**

## OIL PRODUCTION:

- October: 36,212,315 bbls = 1,168,139 bbls/day
- September: 35,029,685 bbls = 1,167,656 bbls/day
  - 1.58% above Revenue Forecast (RF = 1,150,000 bbls/day)
  - 0.04% from September to October
  - 483 bbls/day September 2025 to October 2025
- 1,139,396 bbls/day or 97.5% from Bakken/Three Forks
- 28,743 bbls/day or 2.5% from non-Bakken/Three Forks

## GAS PRODUCTION:

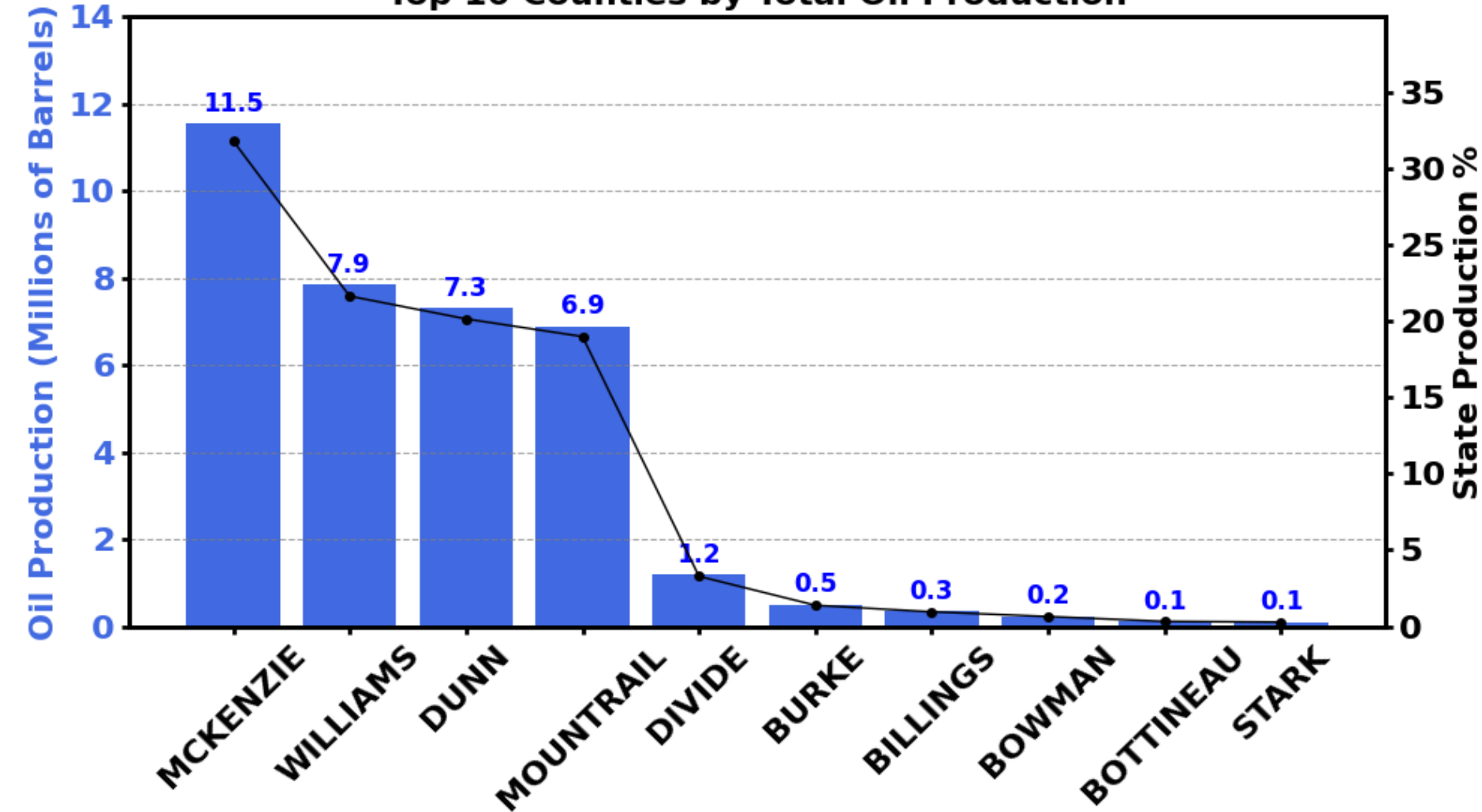
- October: 110.1 BCF/Month = 3.550 BCF/Day
- September: 107.4 BCF/Month = 3.581 BCF/Day
  - -0.86% from September to October



# NORTH DAKOTA COUNTY PRODUCTION

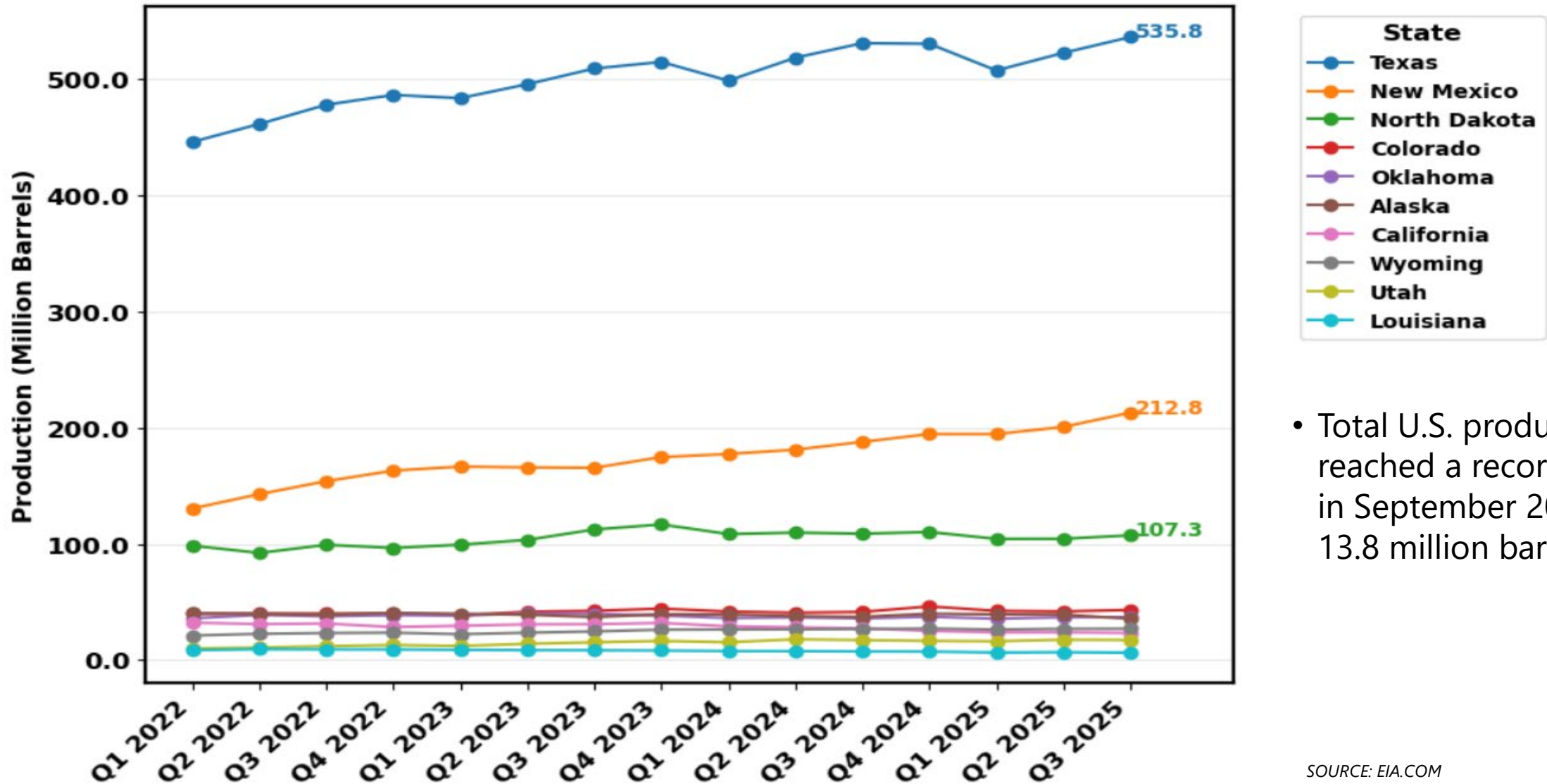


## Top 10 Counties by Total Oil Production



- ~32% of ND production comes from McKenzie County
- Top 5 counties make up ~96.7% of ND oil production

# TOP 10 CRUDE PRODUCING STATES – BY QUARTER



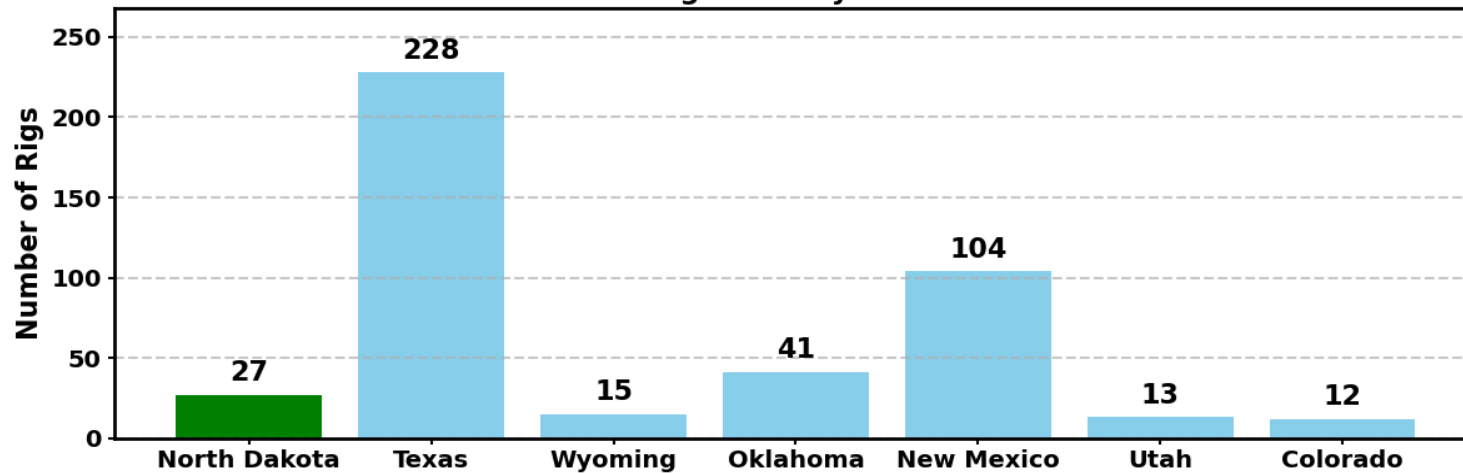
- Total U.S. production reached a record high in September 2025 at 13.8 million barrels per day



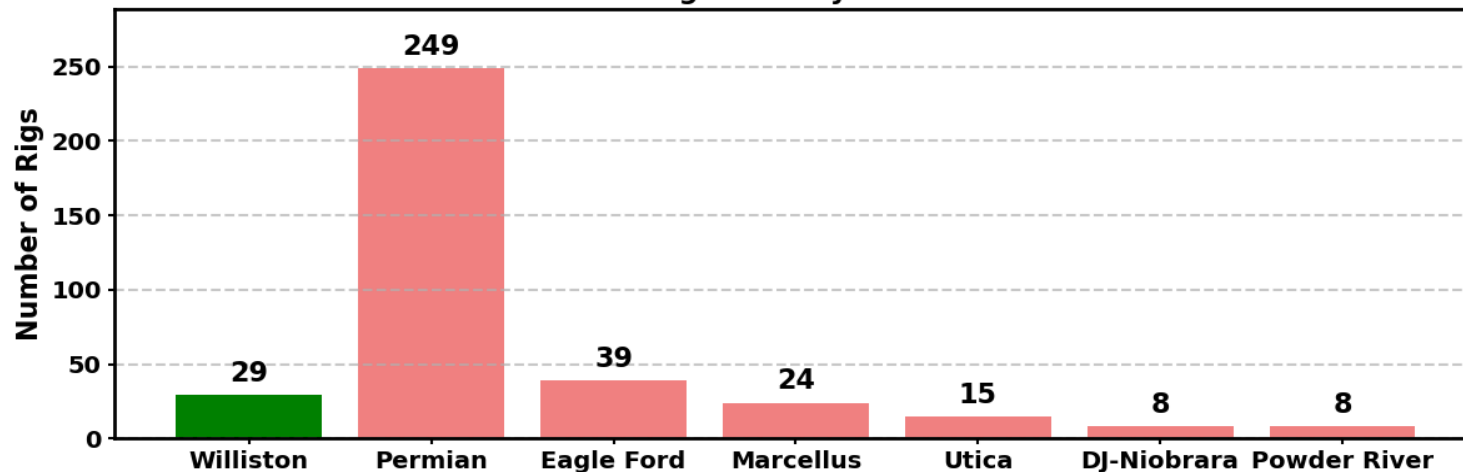
# RIG COUNTS BY STATE AND BASIN



**Rig Data Overview for December 15, 2025**  
**Rig Count by State**



**Rig Count by Basin**

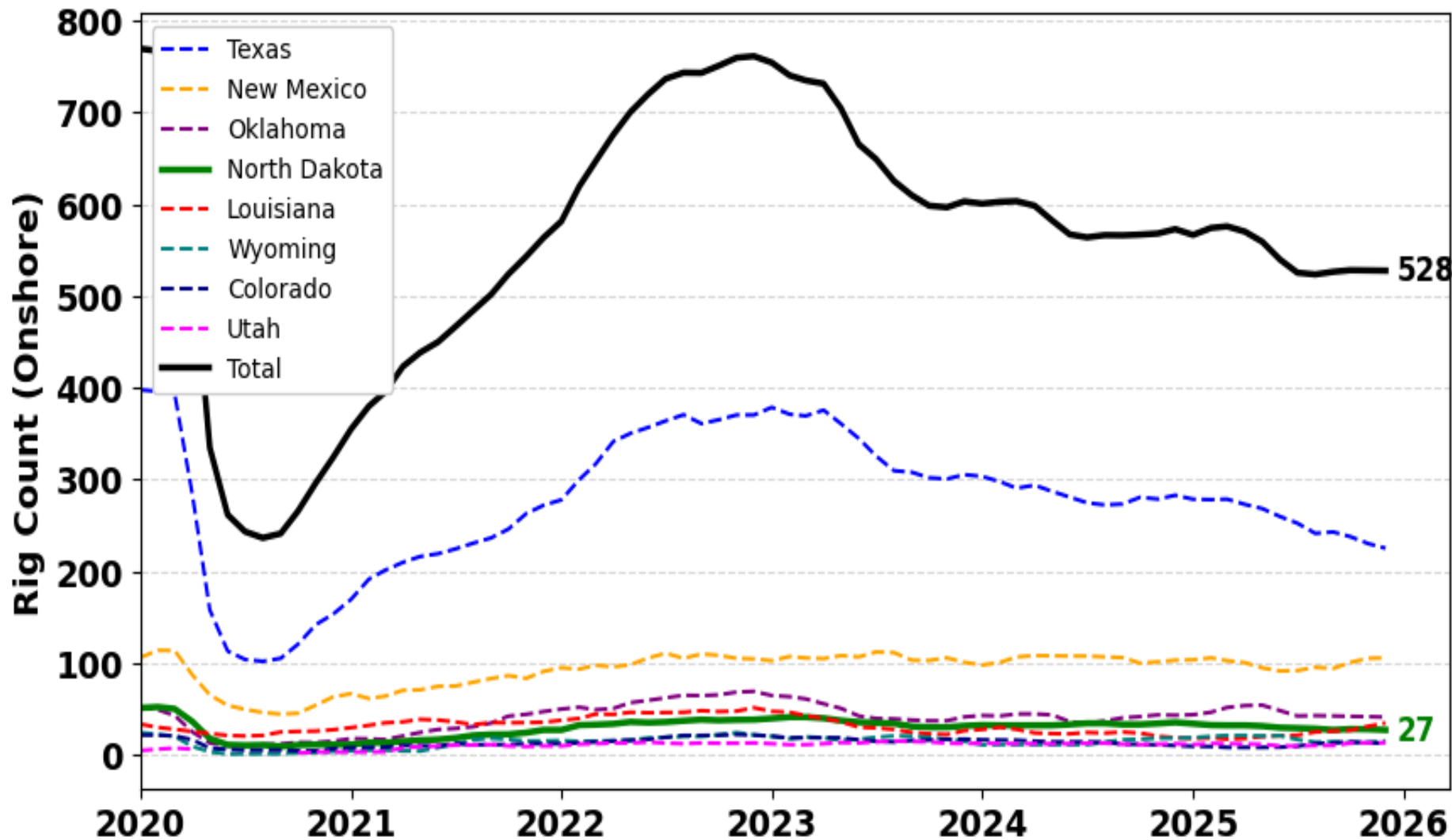


- Total US Rig Count = 548
  - November was approx. 549
- ~41.6% of Rigs are in Texas
- ND Rig Count Trend
  - Current = 27
  - November = 28
  - October = 28
  - September = 27

*\*\*All time high of 218 on 5/29/2018*

- 29 total rigs in Williston Basin
- 249 rigs in Permian (TX & NM)
  - ~45% of total US rig Count
- 39 rigs in the NE US, dry gas play

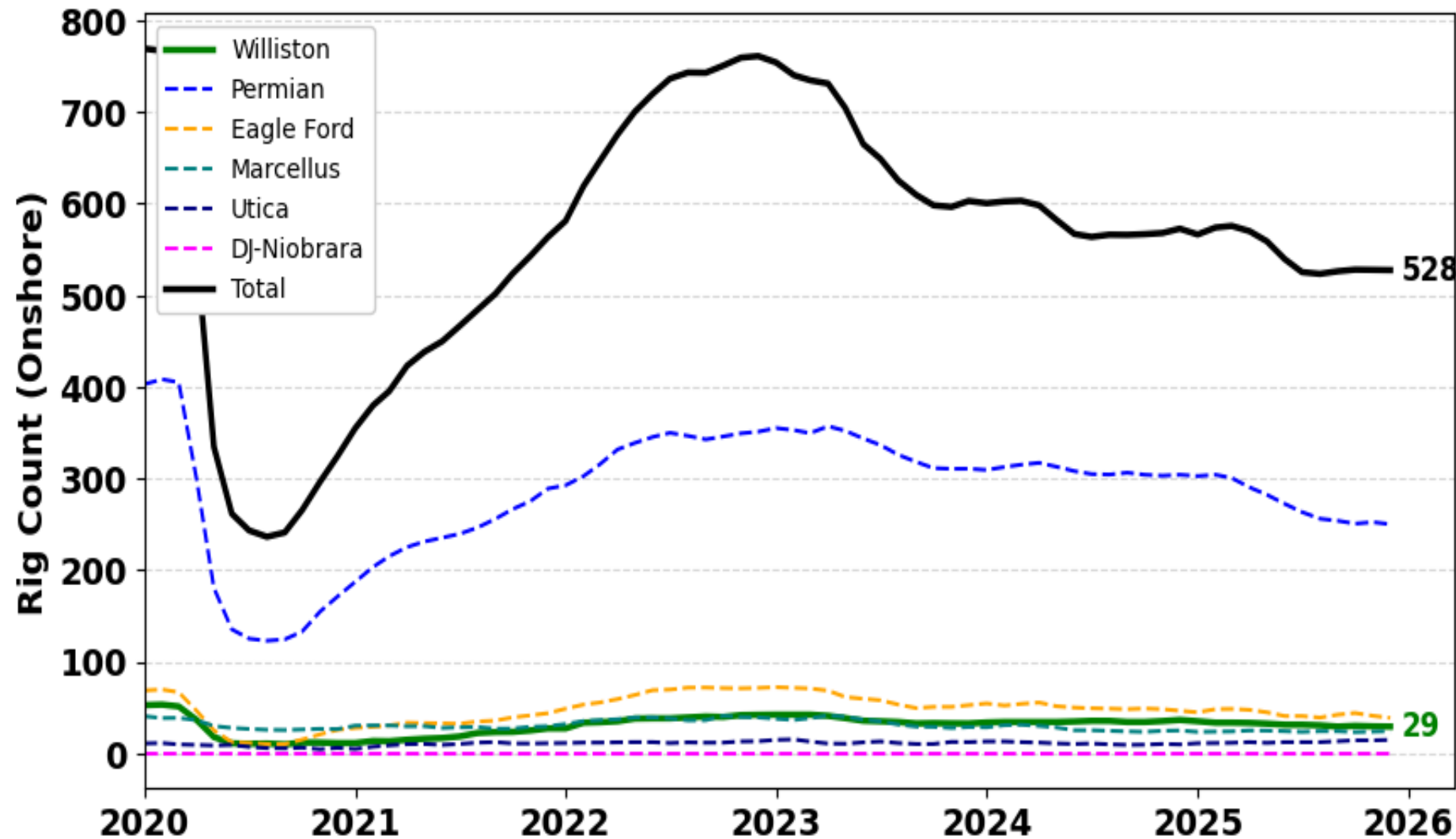
# RIG COUNTS OVER TIME - STATE



- North Dakota rig count = 27
- US rig count remained at 528 from November to December
- Texas rig count decreased slightly to 225
- Total US rig count includes land only

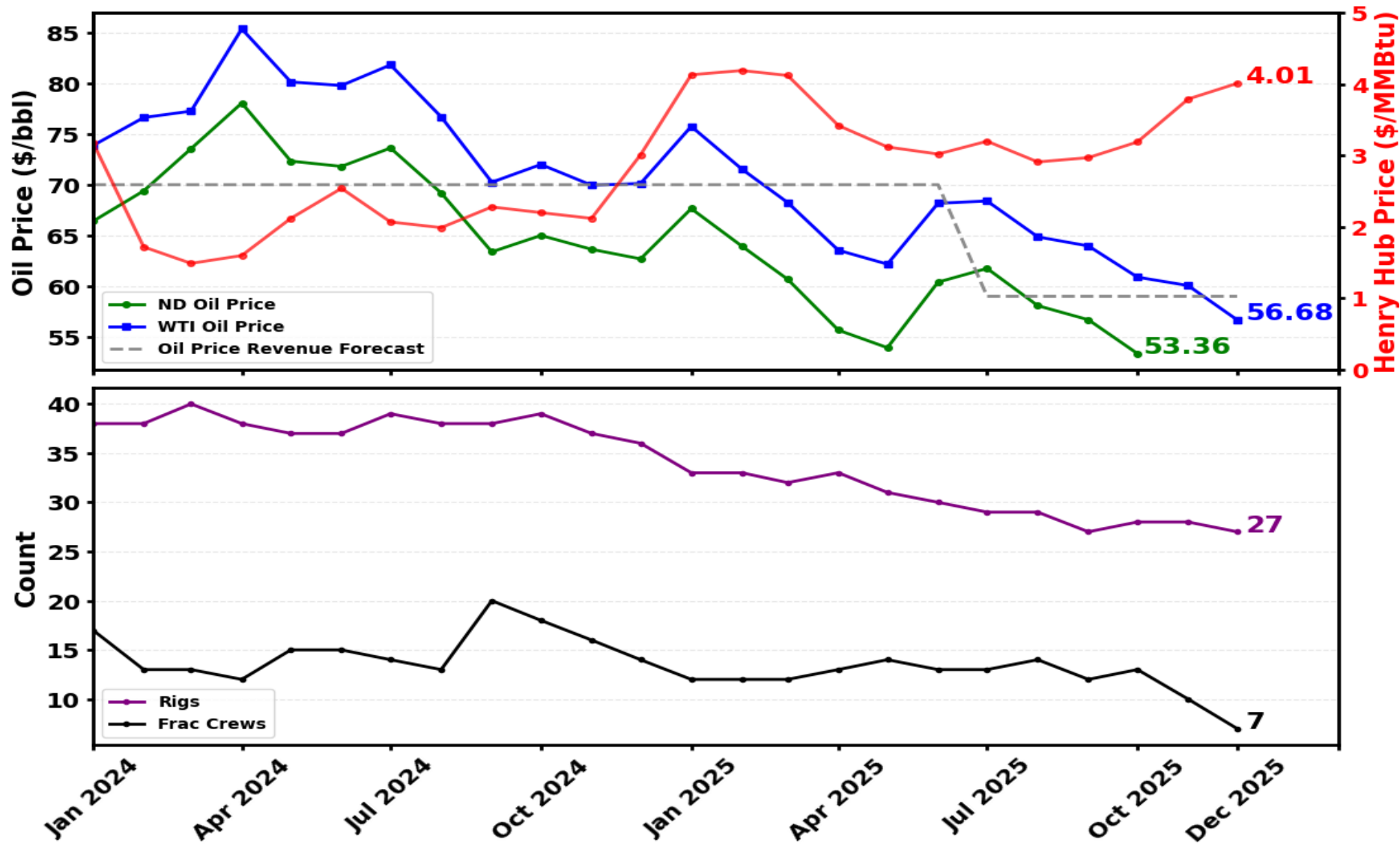


# RIGS OVER TIME - BASINS



- Williston Basin rig count decreased slightly to 29
- US rig count remained at 528 from November to December
- Permian Basin rig count decreased slightly to 250
- Total US rig count includes land only

# PRICING AND ACTIVITY LEVELS



- Current WTI Oil = \$56.26
- Current HH Gas = \$3.94

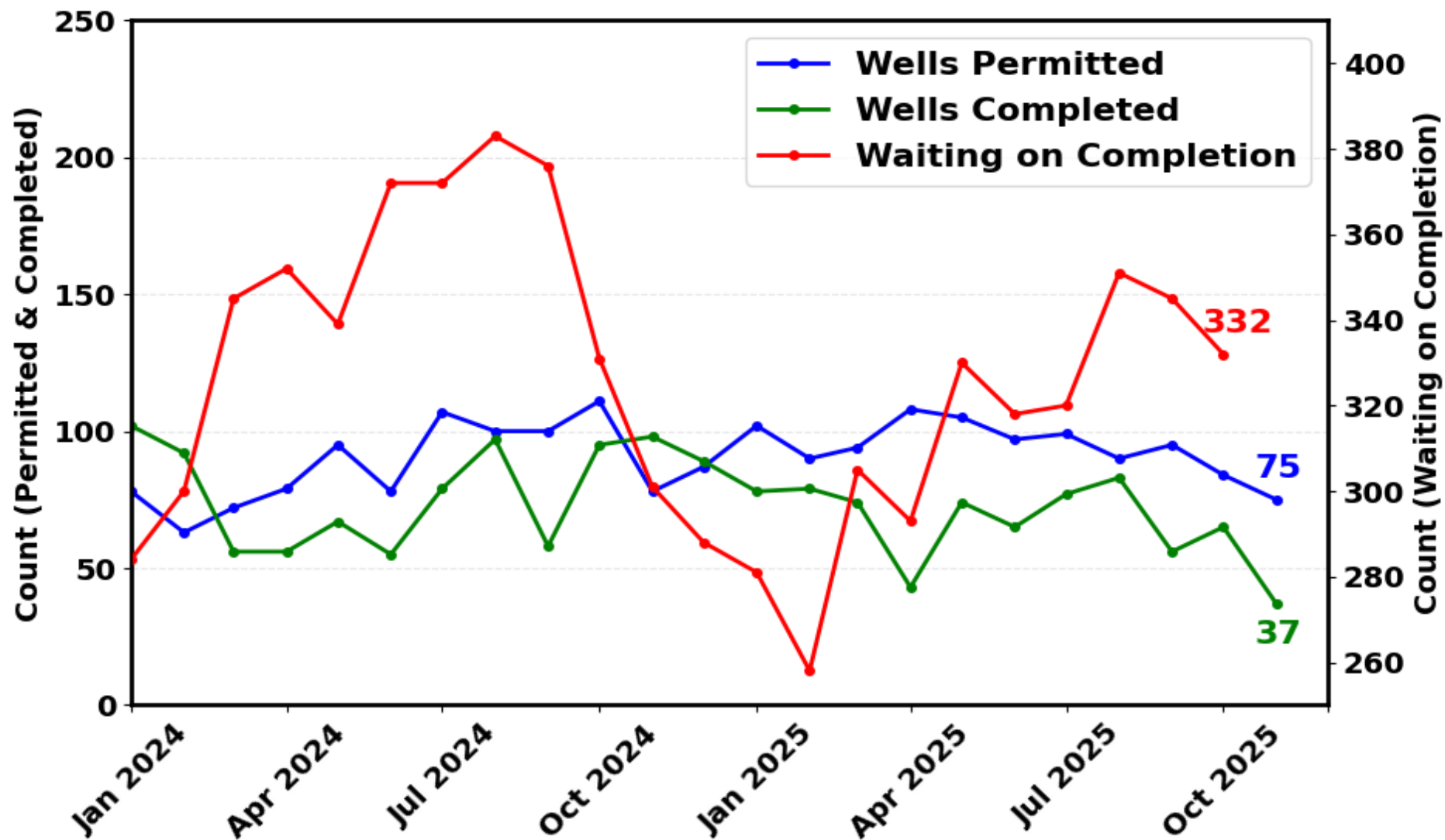
## ND Market Oil Price

- Revenue Forecast = \$59.00
- October = \$53.36  
-9.6% to RF
  - September = \$56.69

- Current frac crew count = 7



# PERMITS AND COMPLETIONS



## Permit Trend

- November = 75
- October = 84
- September = 95

## Completion Trend

- November = 37
- October = 65
- September = 56

## Extended Reach Permits

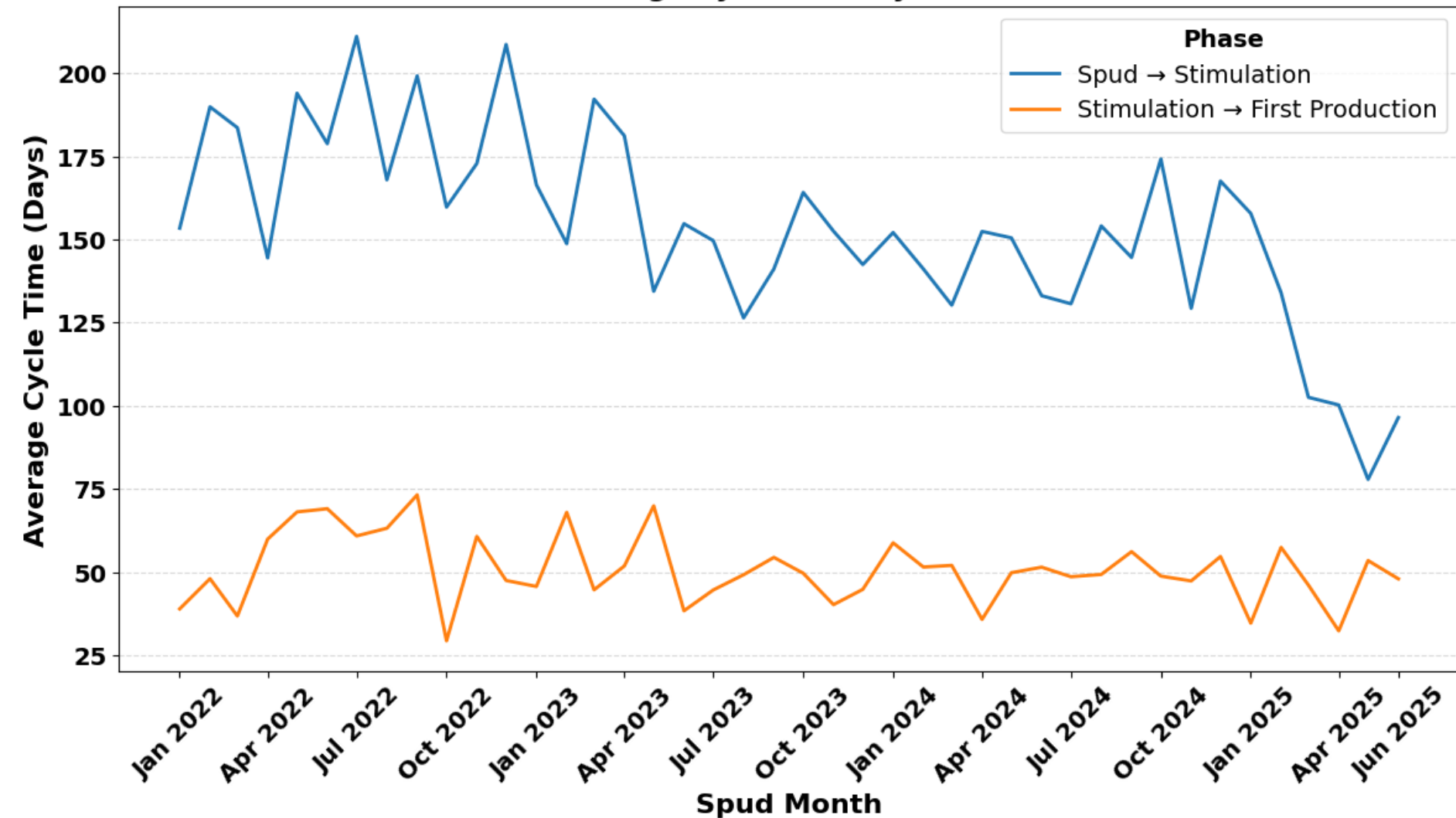
(Issued to date)

- 1237- 3-mile lateral permits
- 105 - 4-mile lateral permits
  - 20 completed
- 23 U-Shaped lateral permits

# AVERAGE WELL CYCLE TIMES



Average Cycle Time by Month

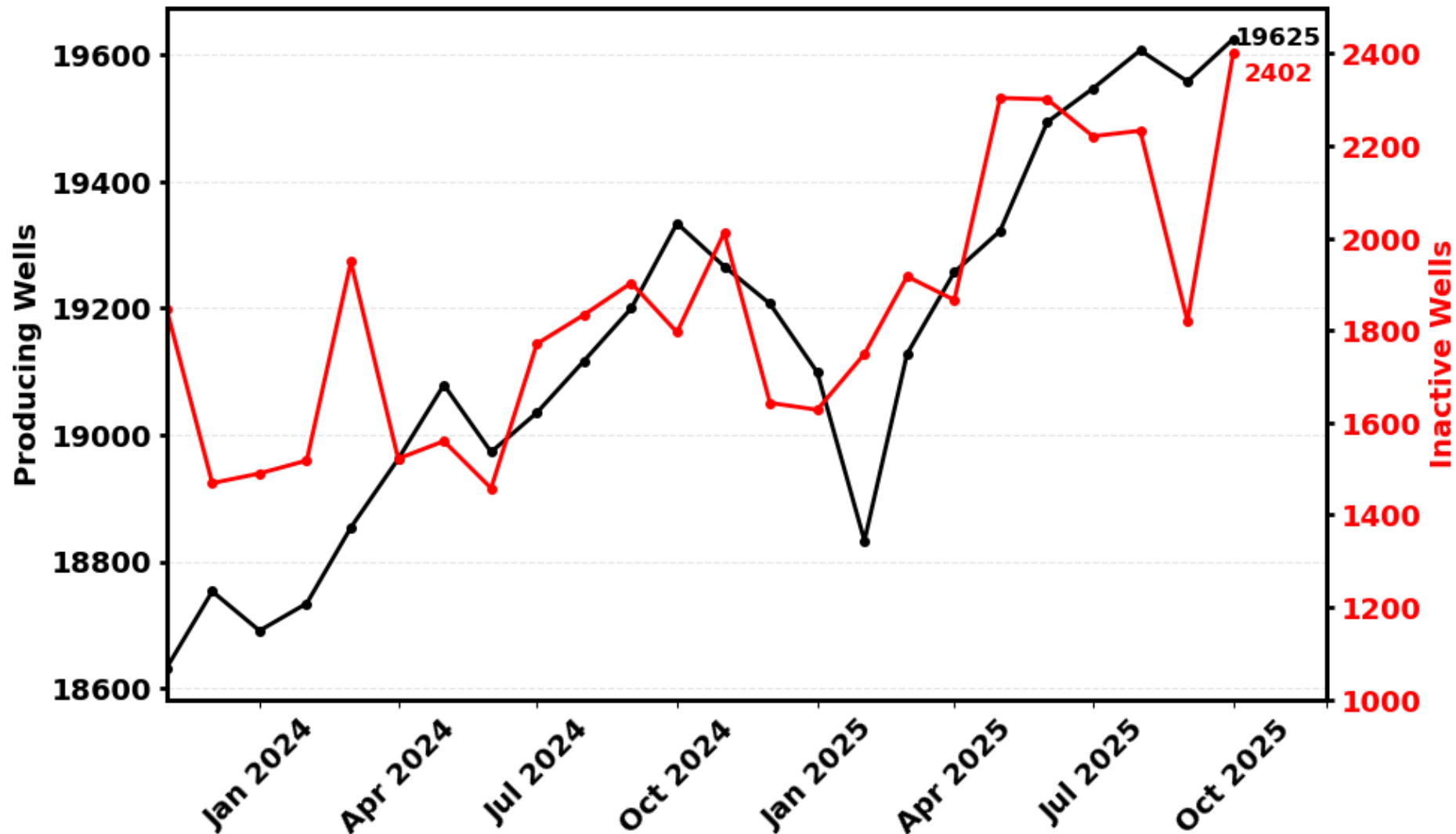


## Cycle Times Improving

- Spud → Stimulation = First Spud to Last Stimulation
- Stimulation → First Production = Last Stimulation to First Production
- Operators continue to find operational efficiencies as seen in the trending decrease from Spud to Stimulation
- Slight decrease in time from Stimulation to First Production



# WELL COUNT

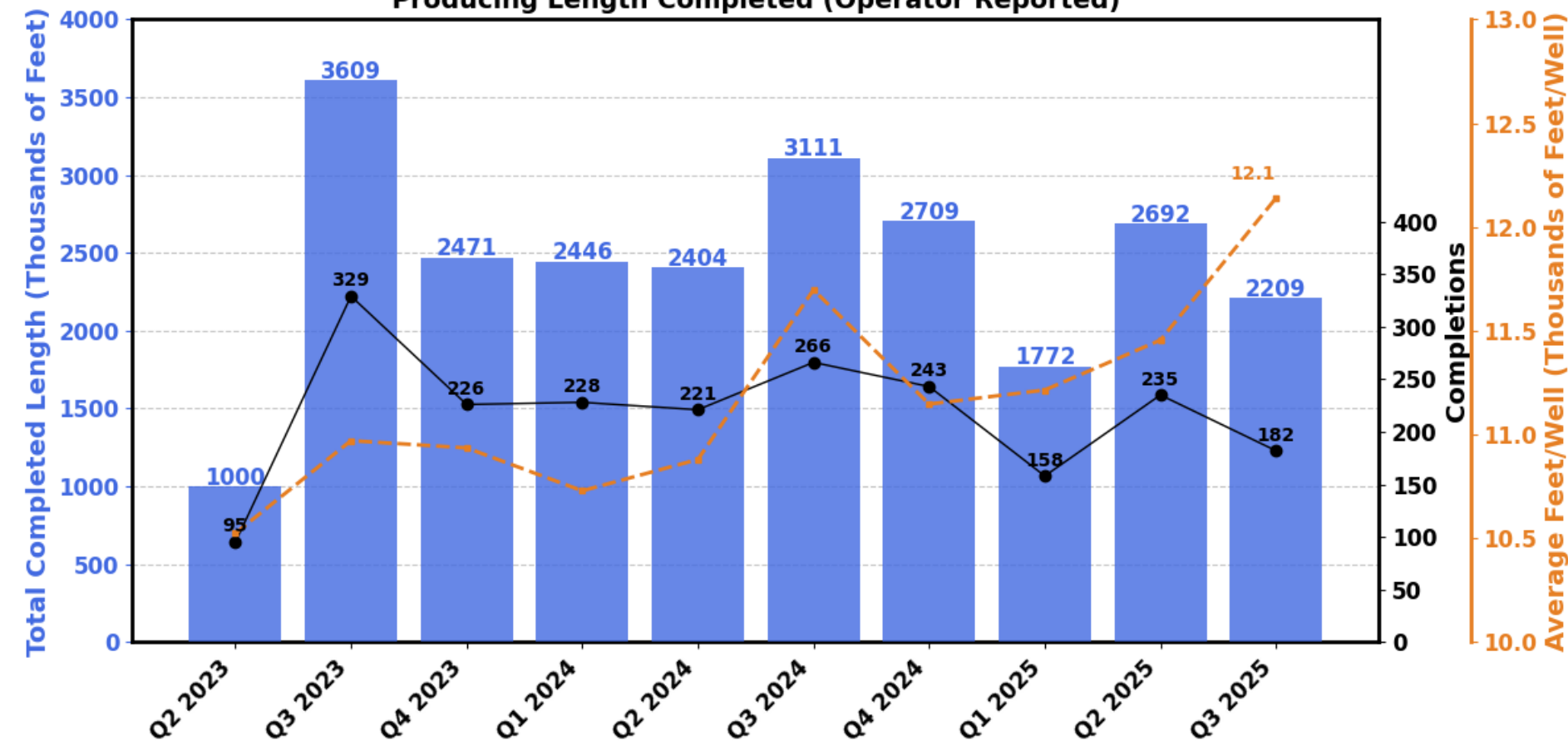


- Total number of producing wells is up 67, month over month
- Number of inactive wells increased by 582, month over month
- Producing wells were at an all time high of 19,625 in October.

# COMPLETED FOOTAGE OVER TIME



Producing Length Completed (Operator Reported)



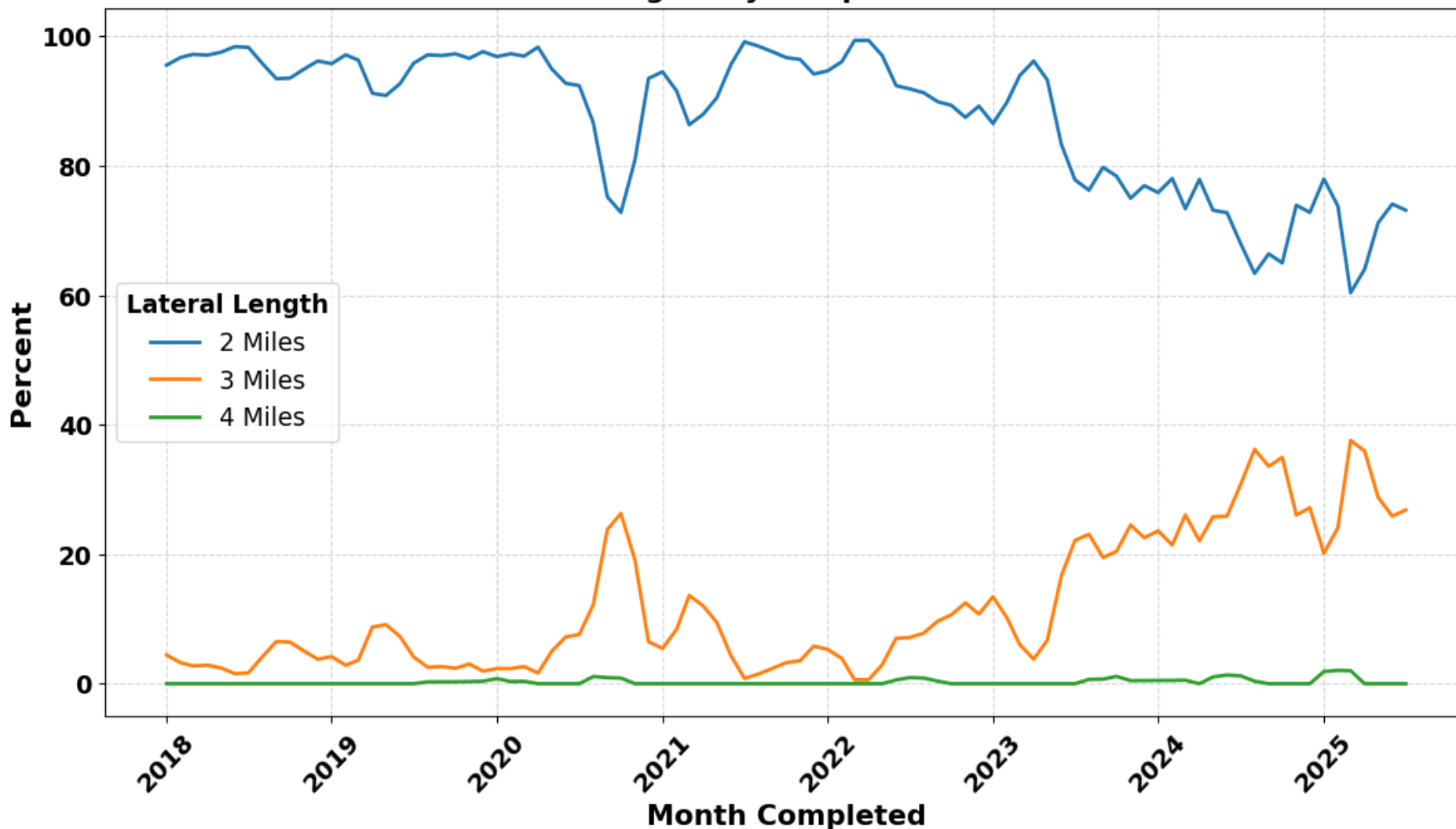
## Trend of Lateral Lengths

- 2024 = 10,671,000 total feet completed
- 2025 YTD = 6,673,000 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
- Q3 2025 average completed lateral footage per well at an all time high of 12,076'

# LATERAL LENGTHS OVER TIME



Well Lengths by Completion Month



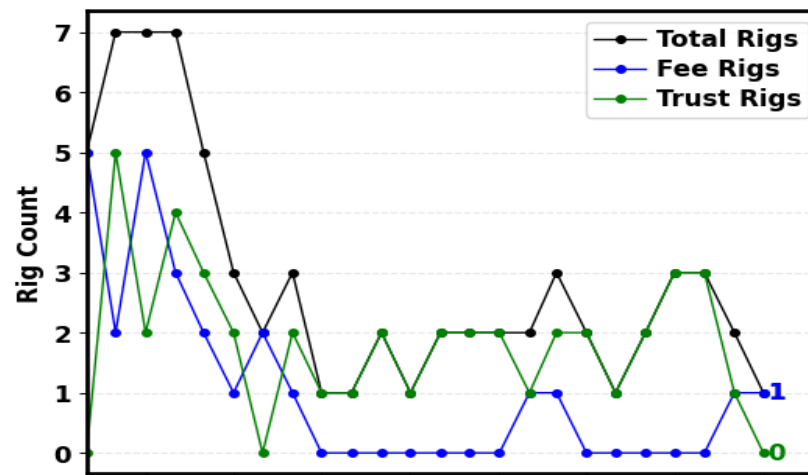
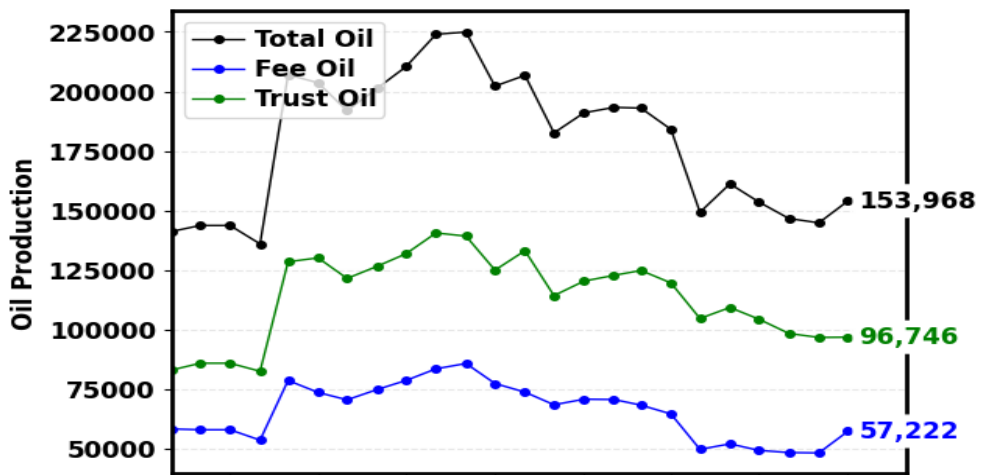
- The total percentage of 2-mile laterals is ~70%
- The total percentage of 3-mile laterals is ~30%
- 4-mile lateral development began in 2024 and is in its infancy, but we continue to see an increase in 4-mile permits

**Lateral Length Categorization:**  
(First to last perforation)

- 1.5-2.24 miles = 2-mile
- 2.25-3.24 miles = 3-mile
- 3.25-4.24 miles = 4-mile



# FORT BERTHOLD ACTIVITY

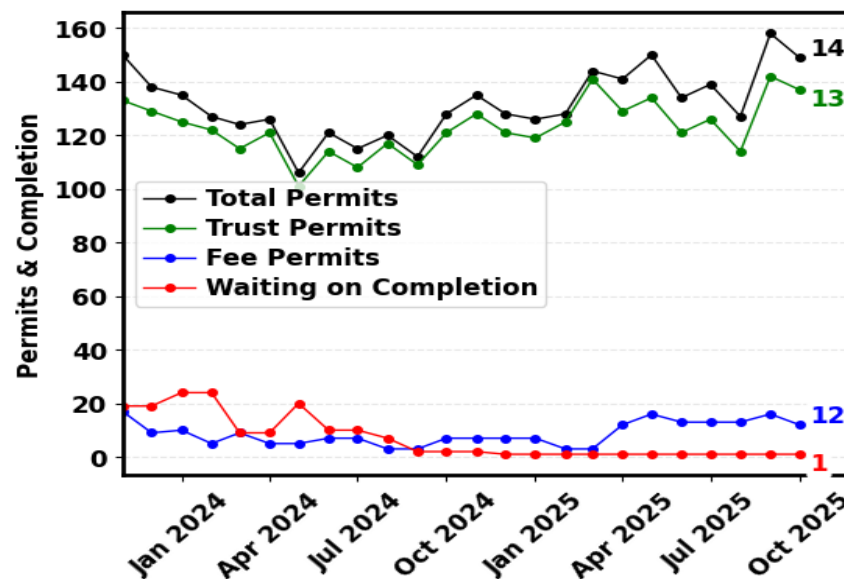
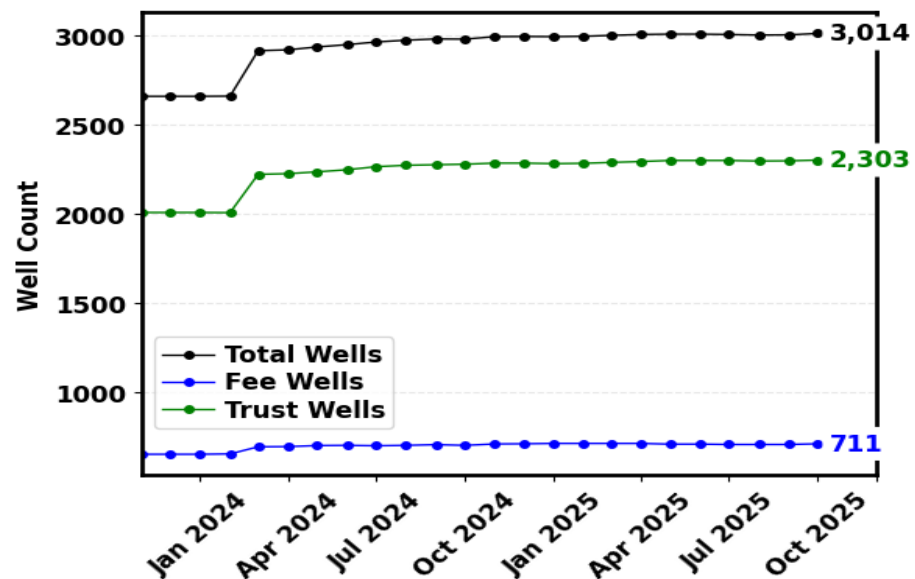


Oct. Oil Production = 153,968

- 6.4% increase
- Increase of 9,196 bopd

Sept. Oil Production = 144,772

Rig count at 1



Total Active Permits = 149

- Decrease from last month

Number of Active Wells = 3,014

- Fee = 711
- Trust = 2,303

# GAS CAPTURE

The state-wide gas flared volume from September to October increased by 6.5 MMCF/D to 175.0 MMCF/D, the statewide gas capture decreased to 95.2% while Bakken gas capture also decreased to 95.5%.

## Gas capture details are as follows:

Statewide	95.2%
Statewide Bakken	95.5%
Non-FBIR Bakken	95.3%
FBIR Bakken	96.7%
Trust FBIR Bakken	97.1%
Fee FBIR	95.1%

The Commission has established the following gas capture goals:

74% October 1, 2014 through December 31, 2014

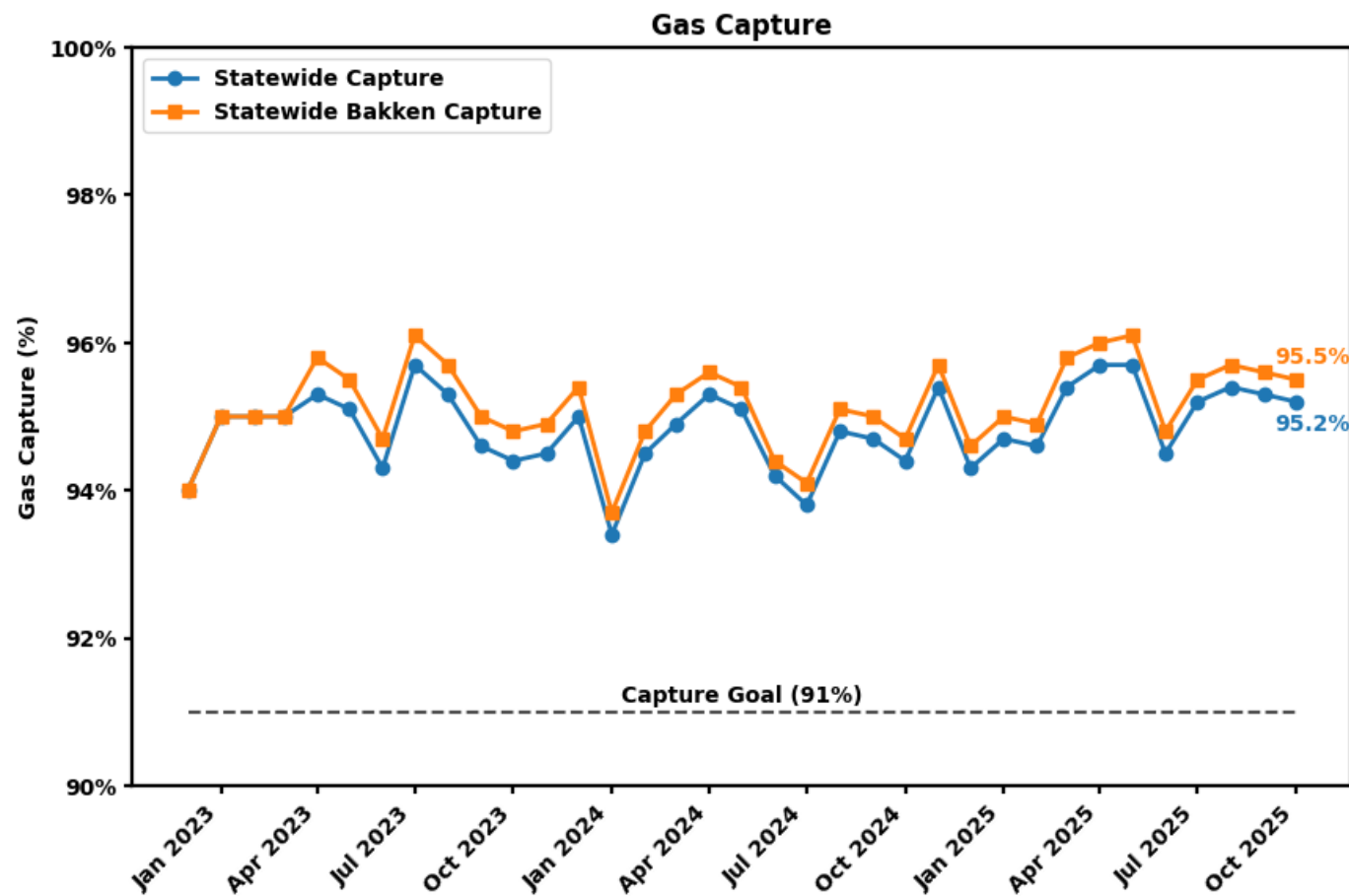
77% January 1, 2015 through March 31, 2016

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	October 2025
Days	31
Oil Production (bbls)	36,212,315
Average Daily Oil (bbls/day)	1,168,139.19
Gas Production (MCF)	110,058,728
Average Daily Gas (MCF/day)	3,550,281
Daily Average Oil Revenue Forecast (bbls/day)	1,150,000
Oil Revenue Forecast Price (\$/bbl)	59
Avg Daily Bakken-Three Forks Prod (bbls/day)	1,139,396
Bakken Production (%)	97.50
Other Production (%)	2.50
Bakken-Three Forks Wells (%)	89.40
Percentage Other Wells (%)	10.60
WTI Oil Price (\$/bbl) (current)	56.68
ND Oil Price (\$/bbl)	53.36
Henry Hub Price (USD/MMBtu)	4.01
Wells Permitted (November)	75
Wells Completed (November)	37
Waiting On Completion	332
Inactive Wells	2,402
Total Producing Wells	19,625
Fort Berthold Total Oil	153,968
Fort Berthold Fee Oil	57,222
Fort Berthold Trust Oil	96,746
Fort Berthold Total Rigs	1
Fort Berthold Fee Rigs	1
Fort Berthold Trust Rigs	0
Fort Berthold Total Wells	3,014
Fort Berthold Fee Wells	711
Fort Berthold Trust Wells	2,303
Fort Berthold Waiting On Completion	1
Fort Berthold Total Permits	149
Fort Berthold Fee Permits	12
Fort Berthold Trust Permits	137
North Dakota Rigs (current)	27
North Dakota Frac Crews (current)	7
Statewide Capture	95.20
Statewide Bakken Capture	95.50
Capture Goal	91

- 1 seismic crew recording





# THANK YOU

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DEPARTMENT OF MINERAL RESOURCES

[dmr.nd.gov](http://dmr.nd.gov) | [oilandgasinfo@nd.gov](mailto:oilandgasinfo@nd.gov) | 701.328.8020 | 1016 East Calgary Avenue, Bismarck, ND 58503

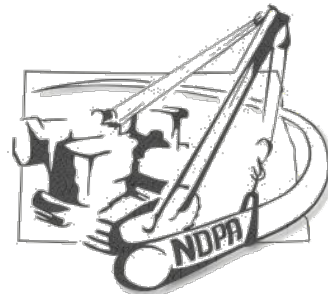
# Pipeline Authority Monthly Update

**Justin J. Kringstad**

*Geological Engineer*

*Director*

*North Dakota Pipeline Authority*



**December 19, 2025**

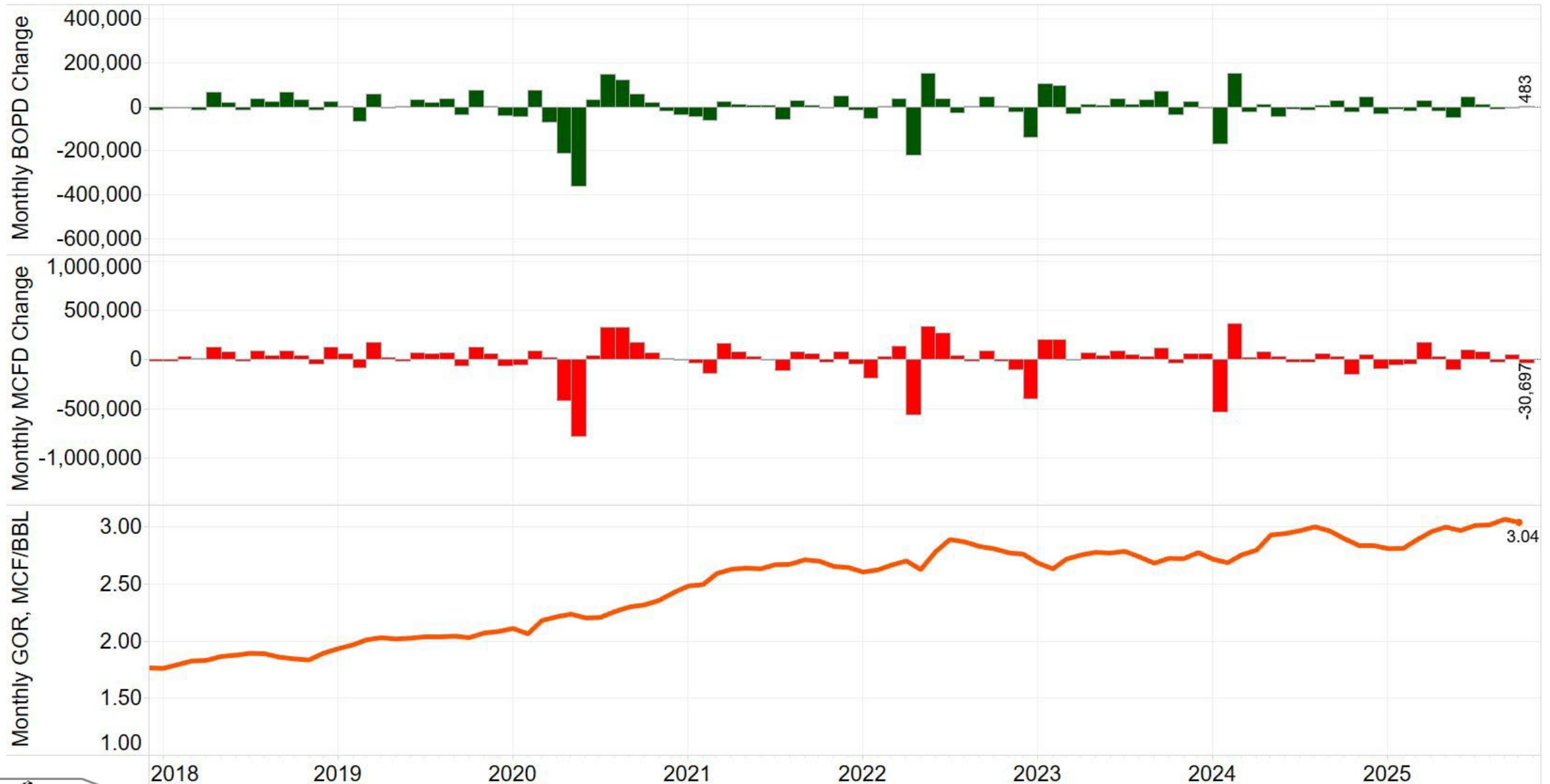
# US Williston Basin Oil Production - 2025

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,182,099	75,046	2,281	1,259,426
February	1,164,904	71,717	2,282	1,238,903
March	1,194,699	76,008	2,272	1,272,979
April	1,175,671	74,886	2,294	1,252,851
May	1,126,252	79,633	2,295	1,208,180
June	1,171,906	79,689	2,145	1,253,740
July	1,181,133	80,405	2,271	1,263,809
August	1,170,901	76,362	2,218	1,249,481
September	1,167,656	78,928	2,253	1,248,837
October	1,168,139	80,313		
November				
December				

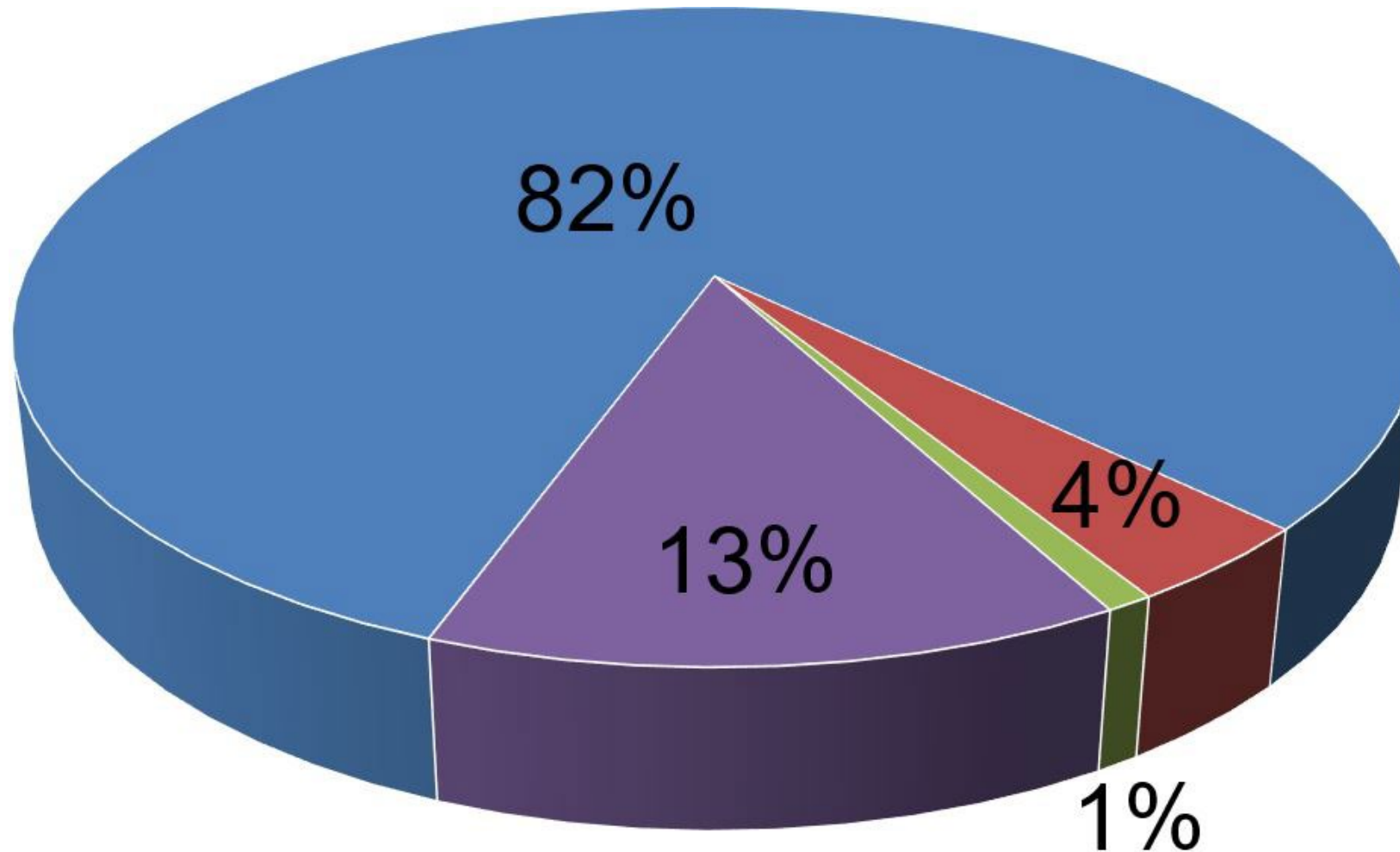




# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



■ Pipeline Export

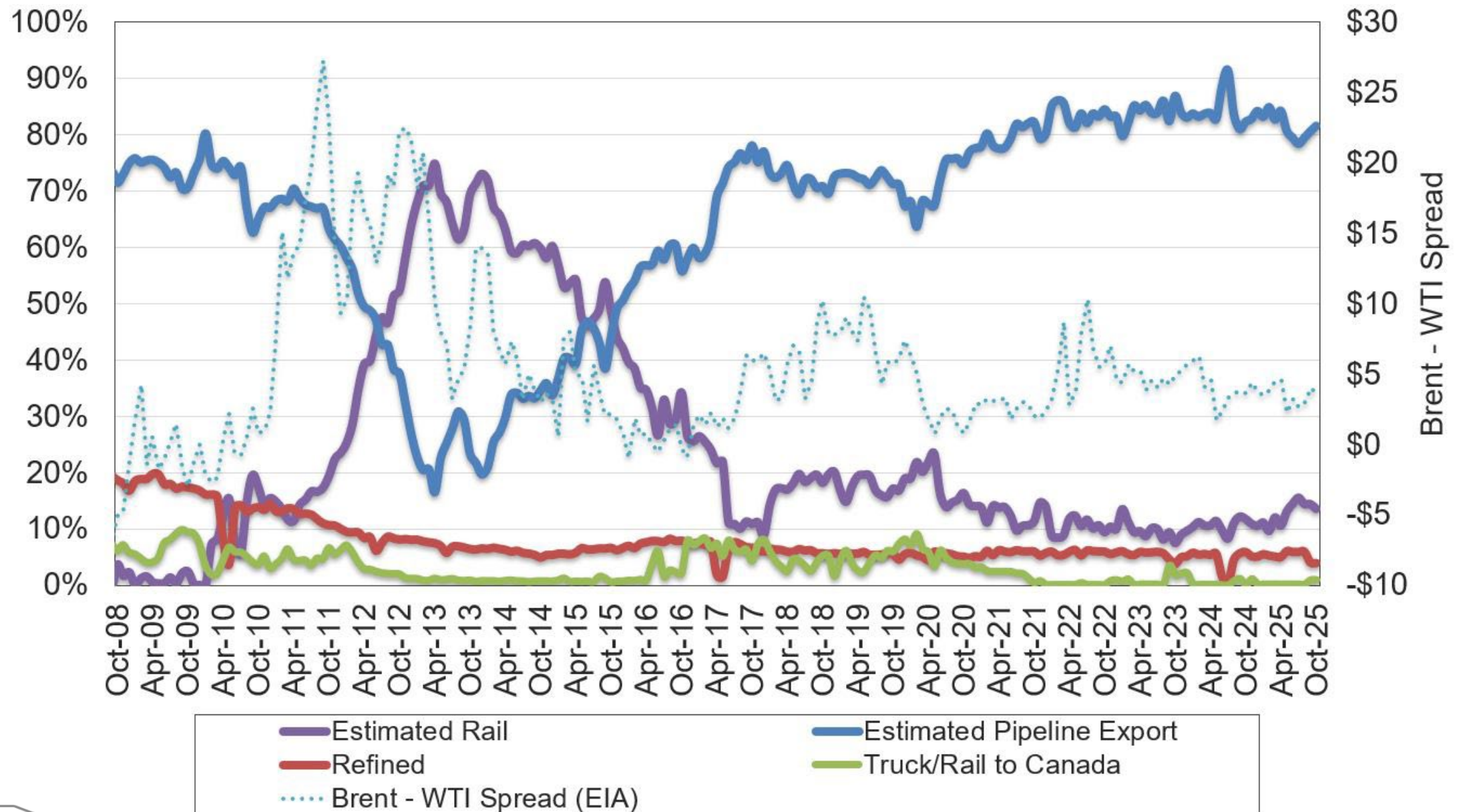
■ Truck/Rail to Canada

■ Refined

■ Estimated Rail



# Estimated Williston Basin Oil Transportation

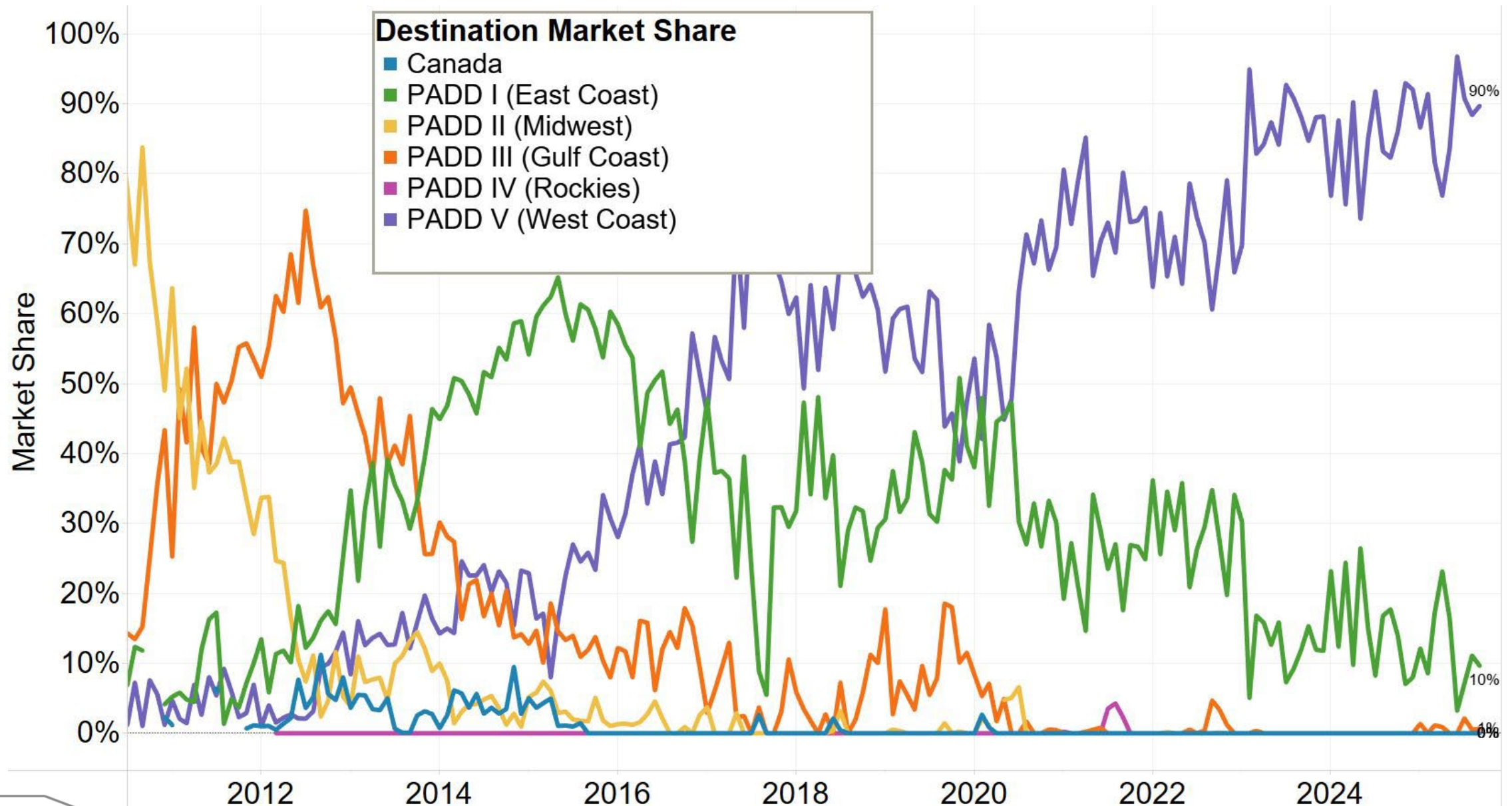




# Estimated ND Rail Export Volumes

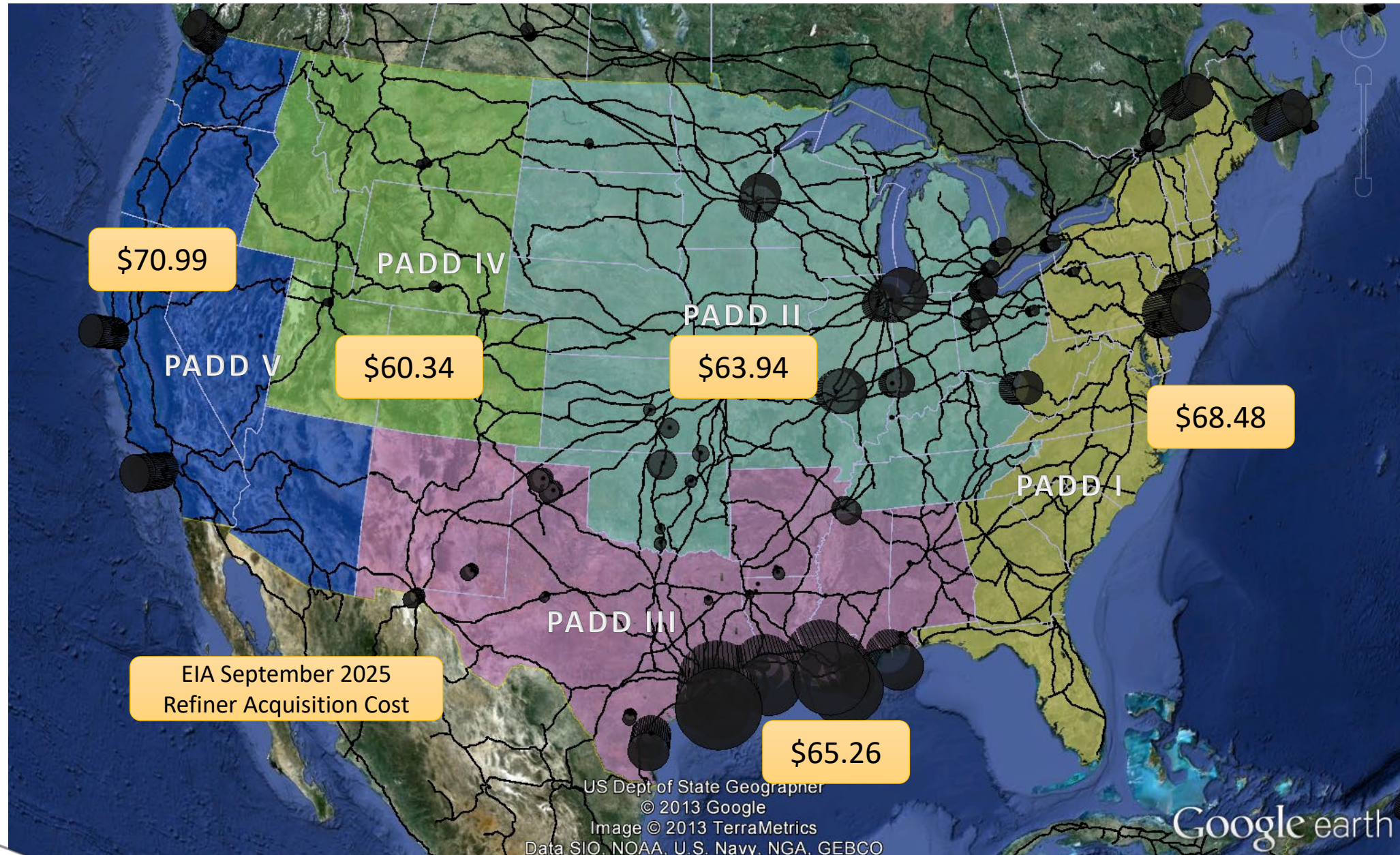


# Rail Destinations Market Share (Sep. 2025)



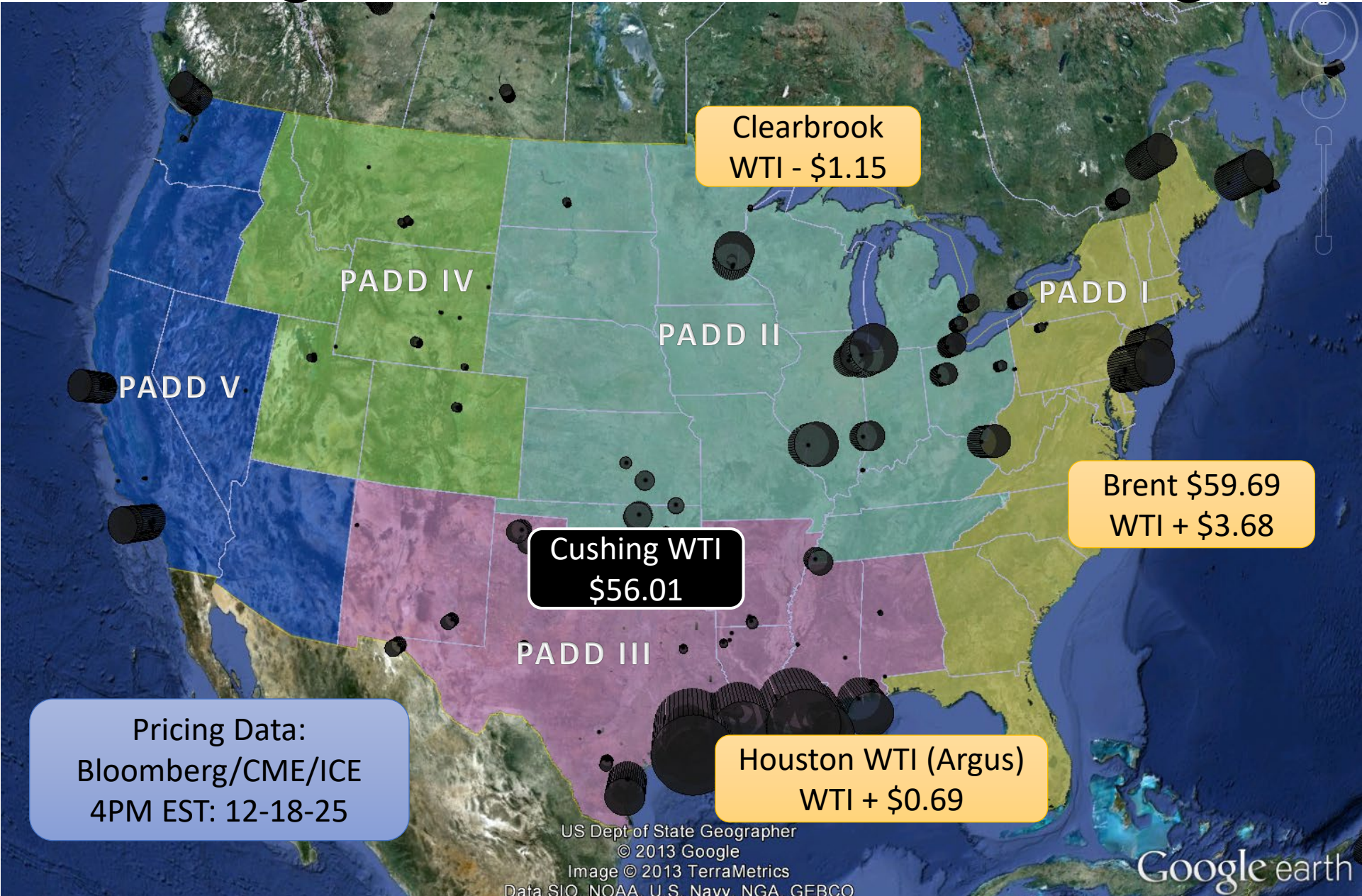


# Major Rail Lines and Refineries

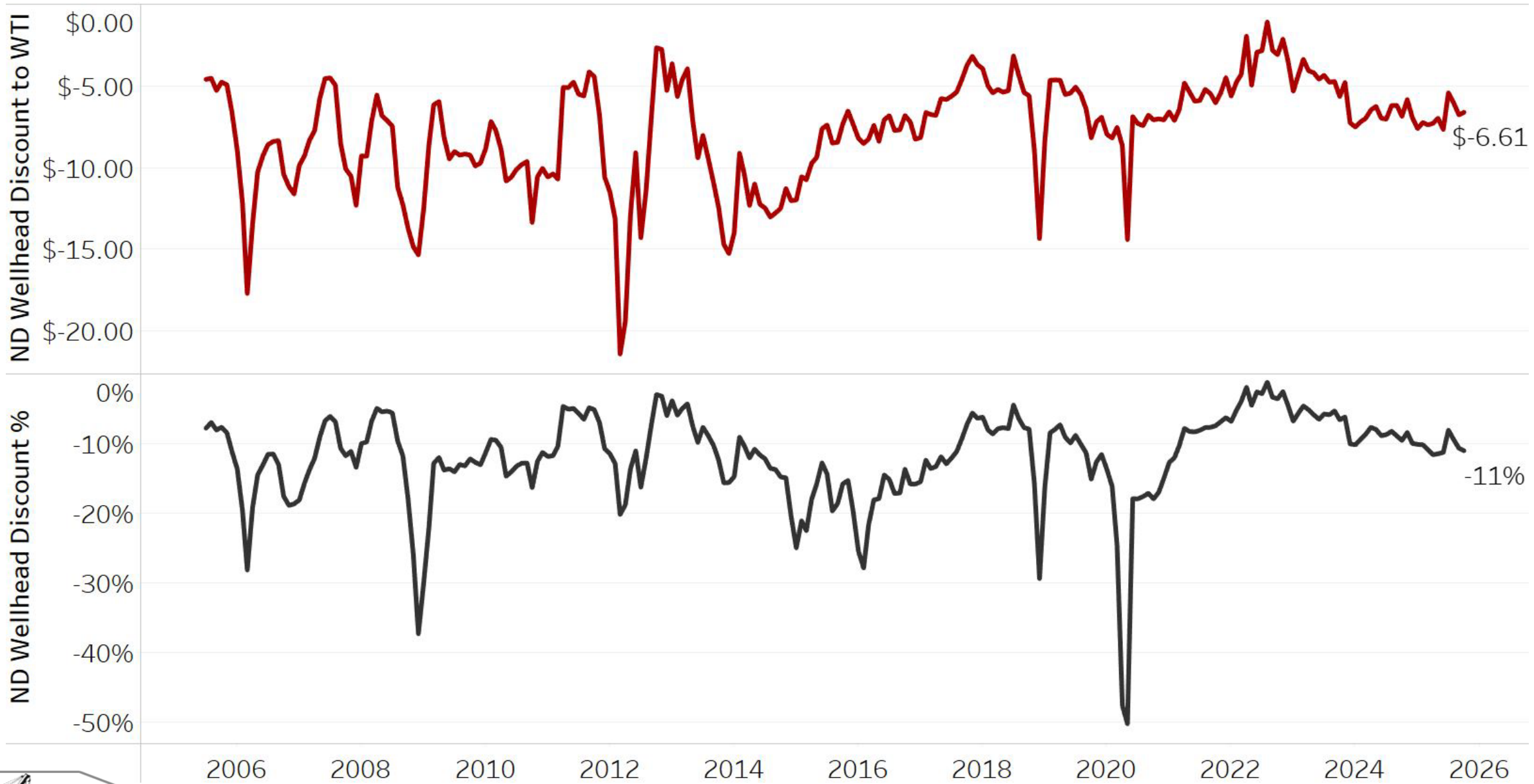




# Major Pricing Benchmarks & Refining Centers

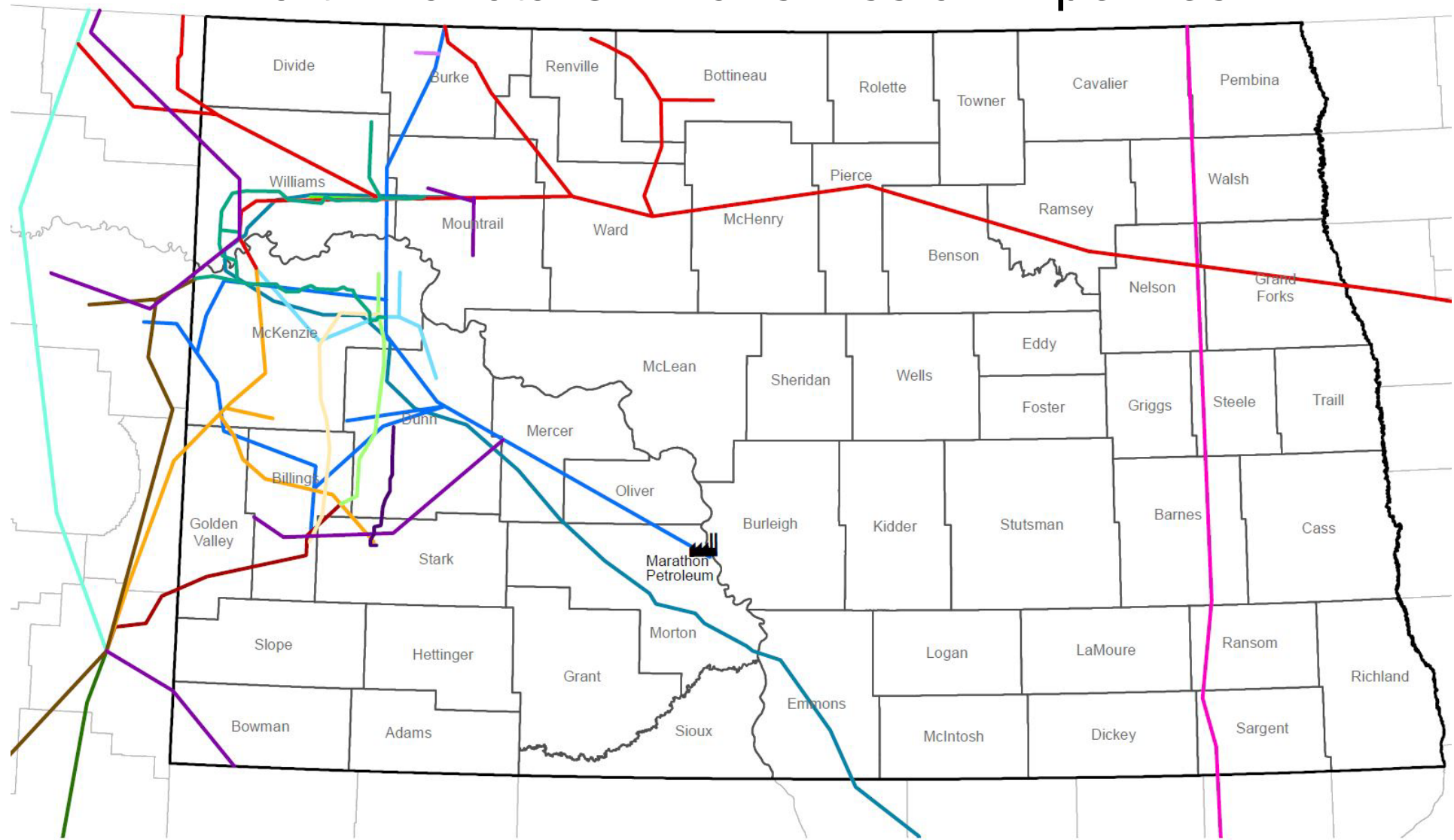


# Average North Dakota Oil “Discount” to WTI





# North Dakota Oil Transmission Pipelines

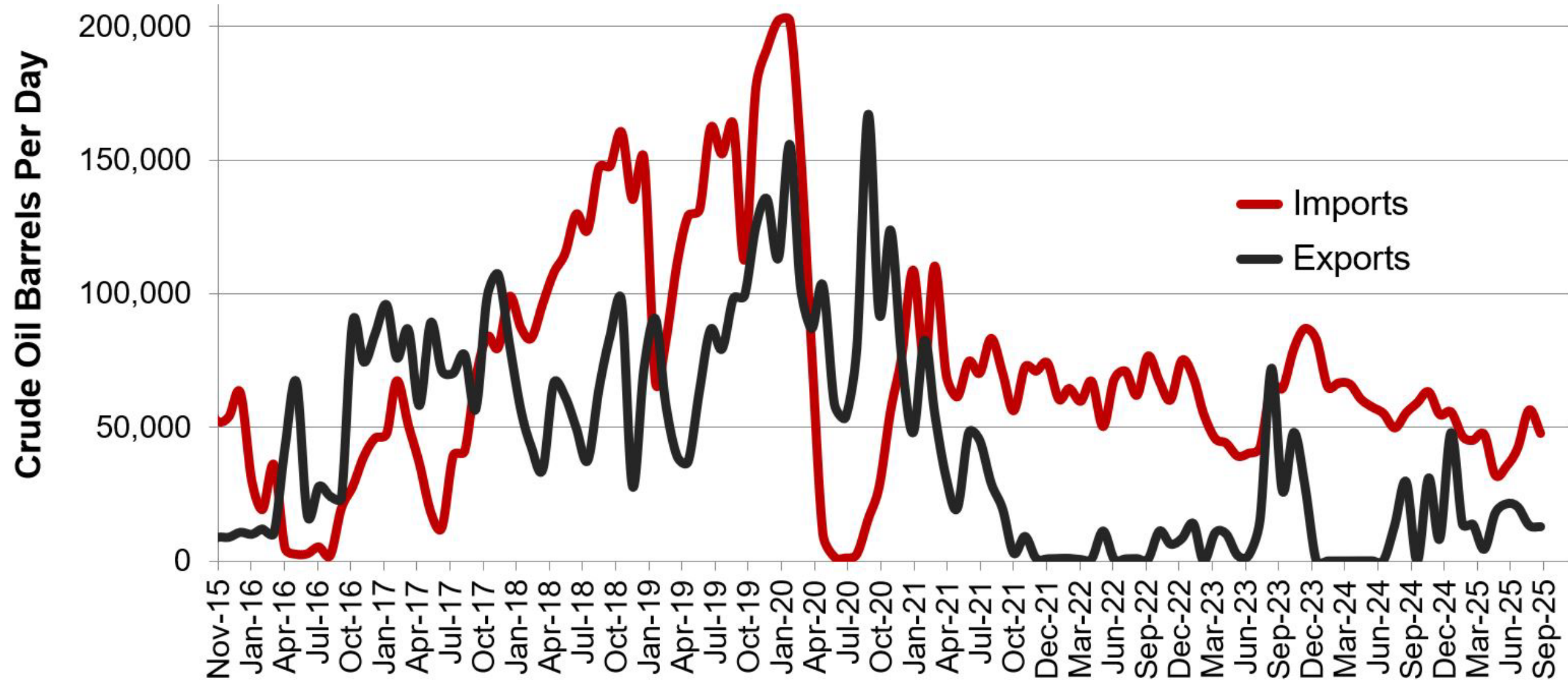


- |                    |                 |               |            |                   |          |
|--------------------|-----------------|---------------|------------|-------------------|----------|
| Refinery           | Basin Transload | Butte         | Double H   | Hiland            | Bridger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





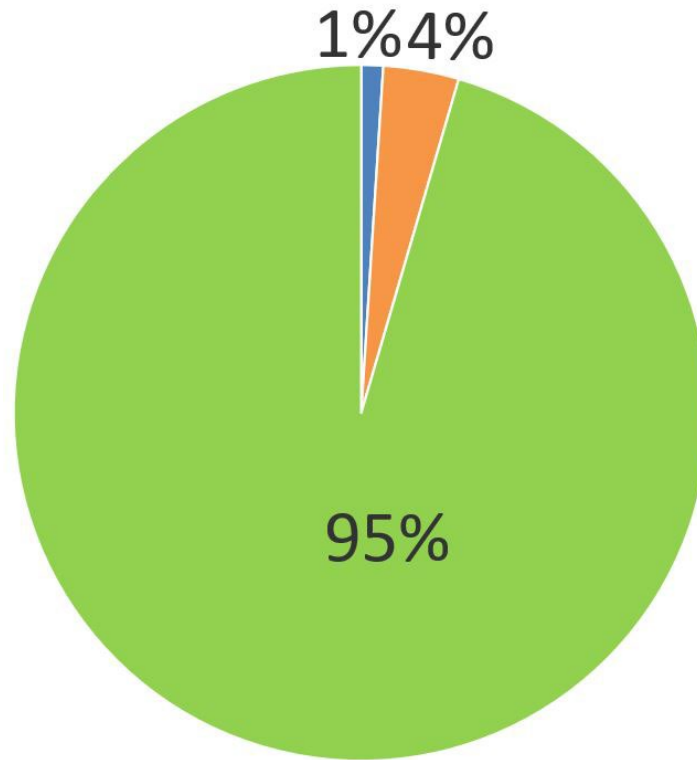
# Williston Basin Imports and Exports with Canada



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.

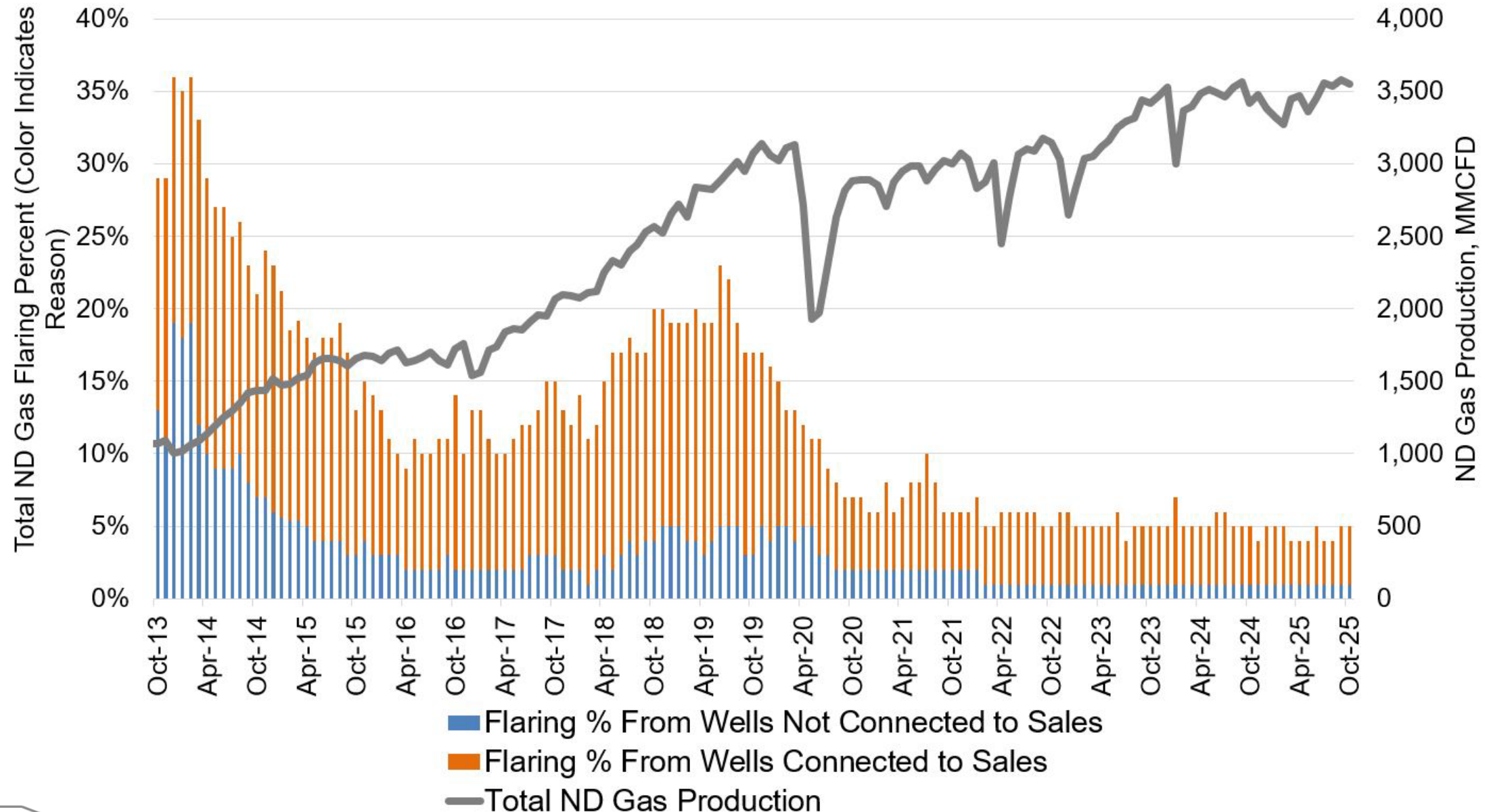
## Simple Terms

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

Oct. 2025 Data – Non-Confidential Wells

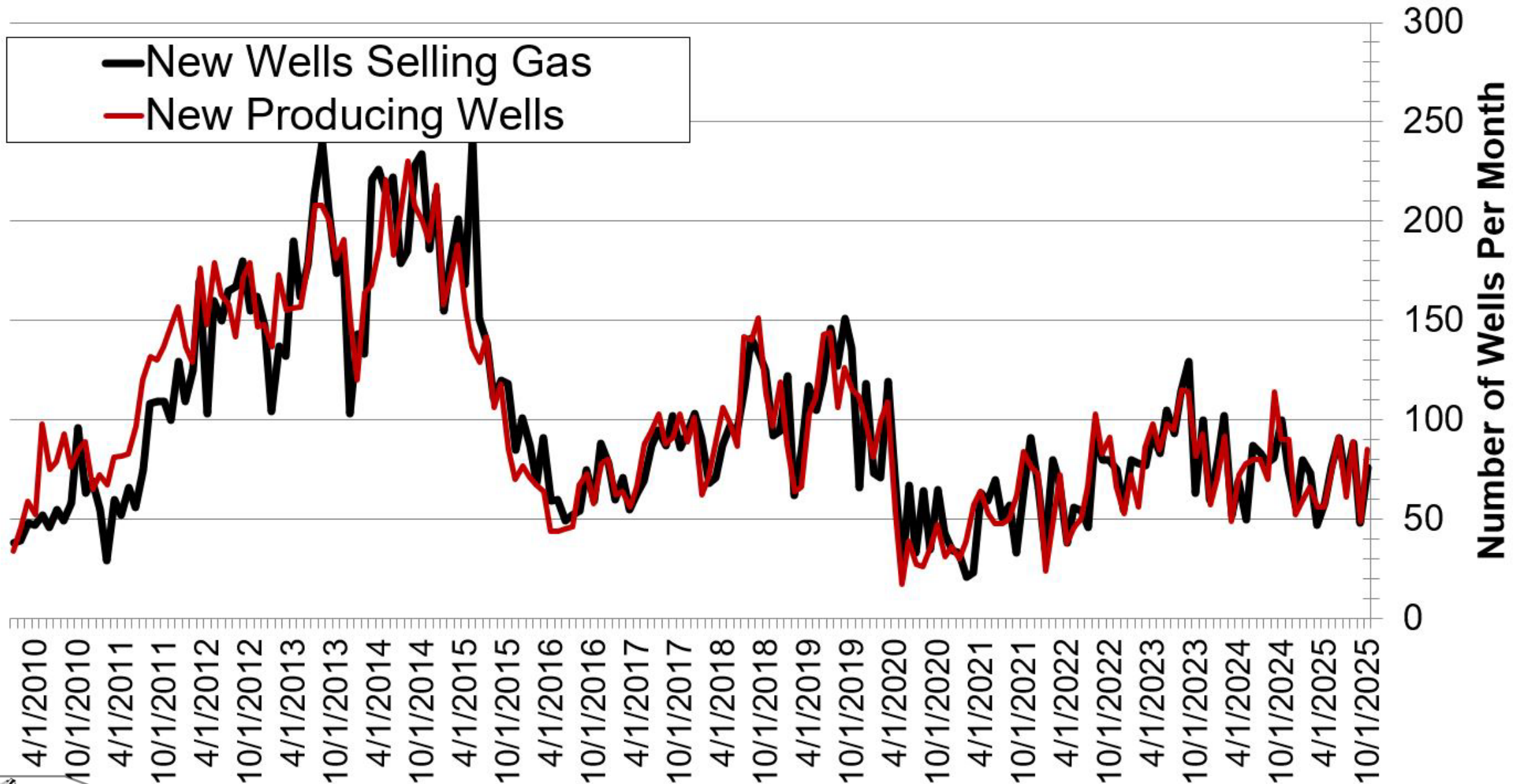


# Solving the Flaring Challenge



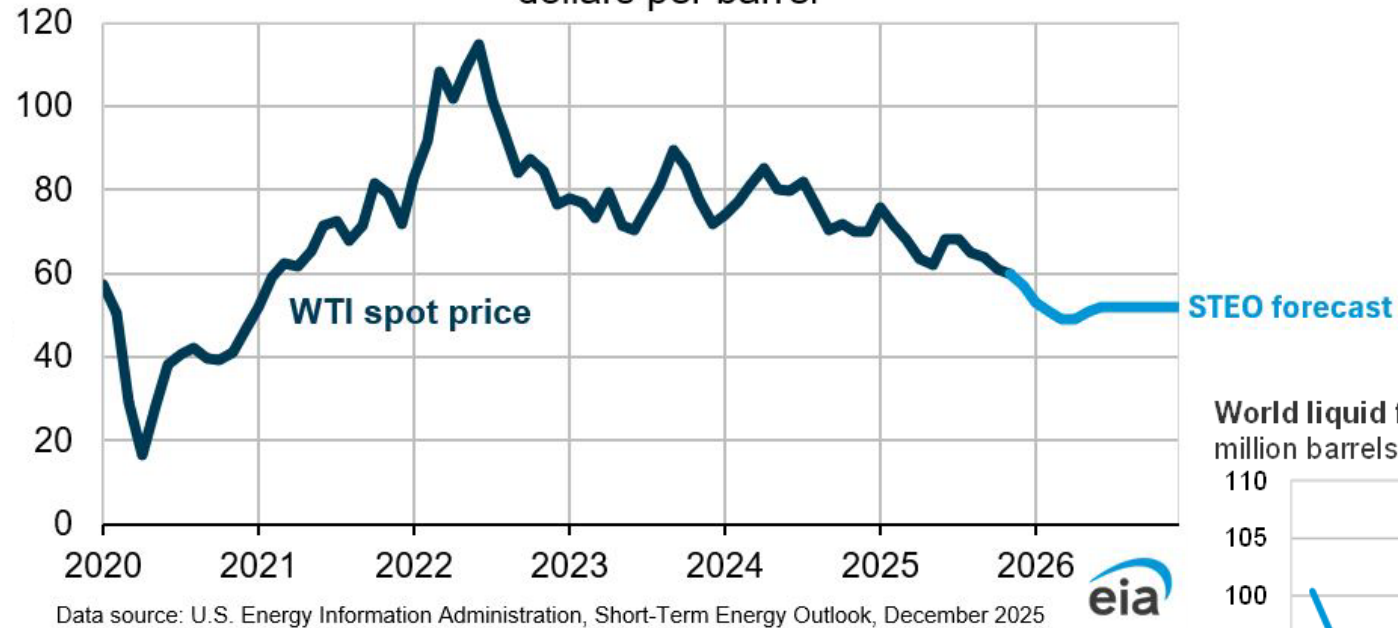


# Solving the Flaring Challenge

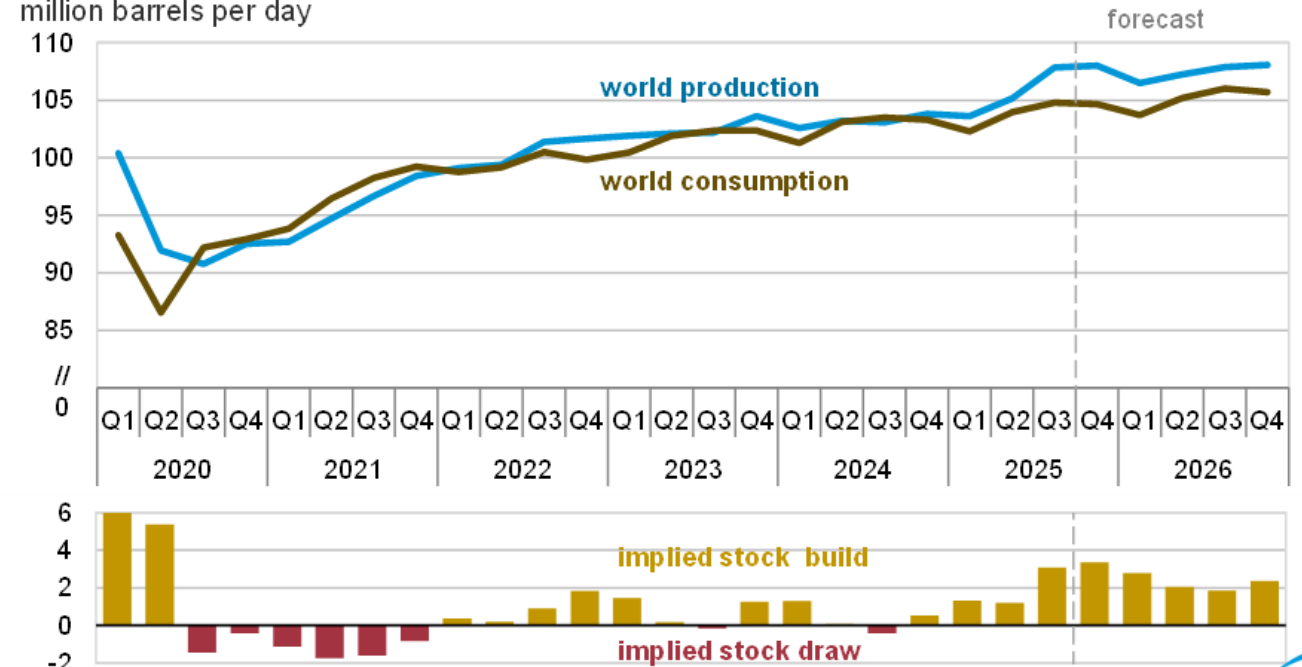


# EIA Oil Price Outlook (December 2025)

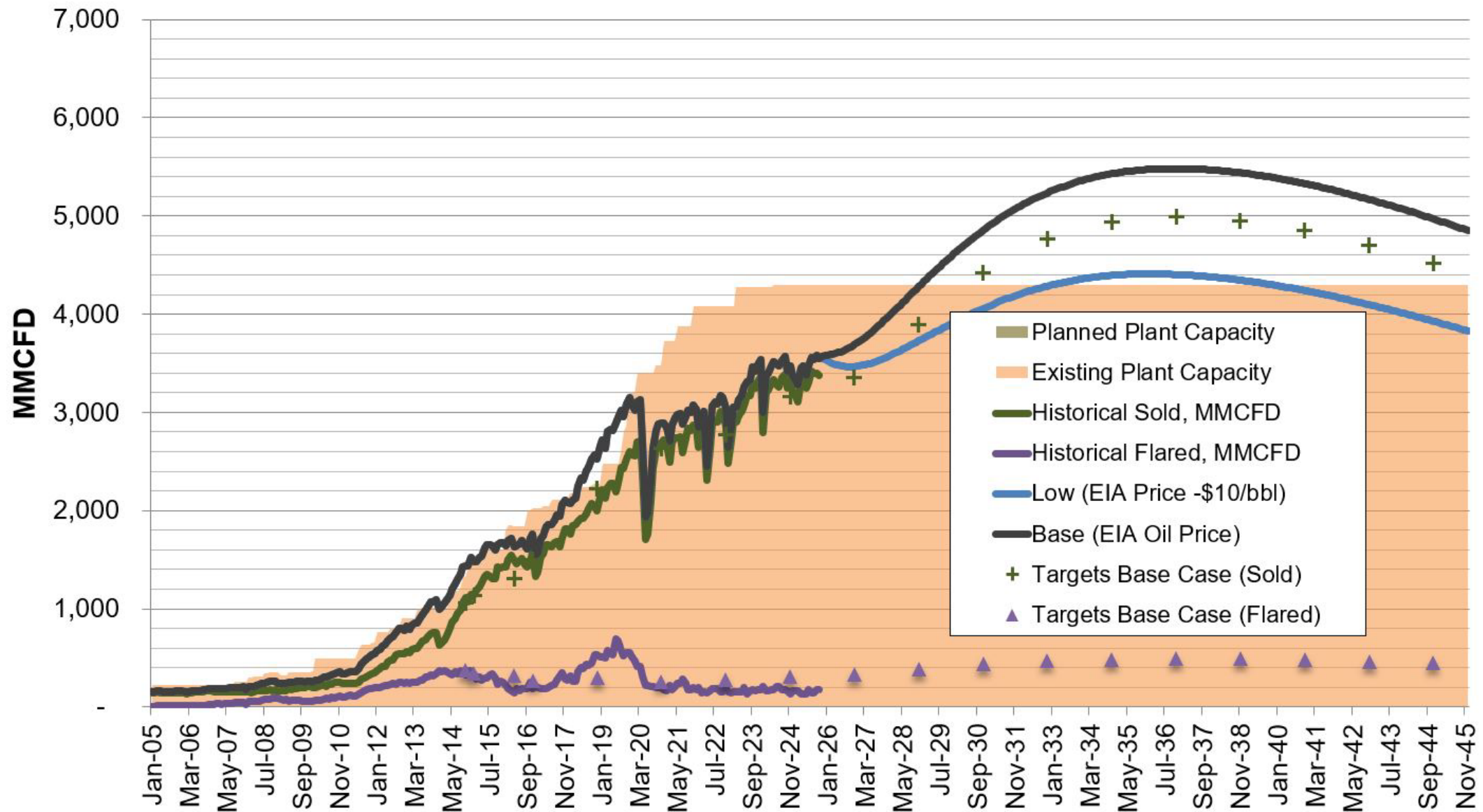
West Texas Intermediate (WTI) crude oil price  
dollars per barrel



World liquid fuels production and consumption balance  
million barrels per day

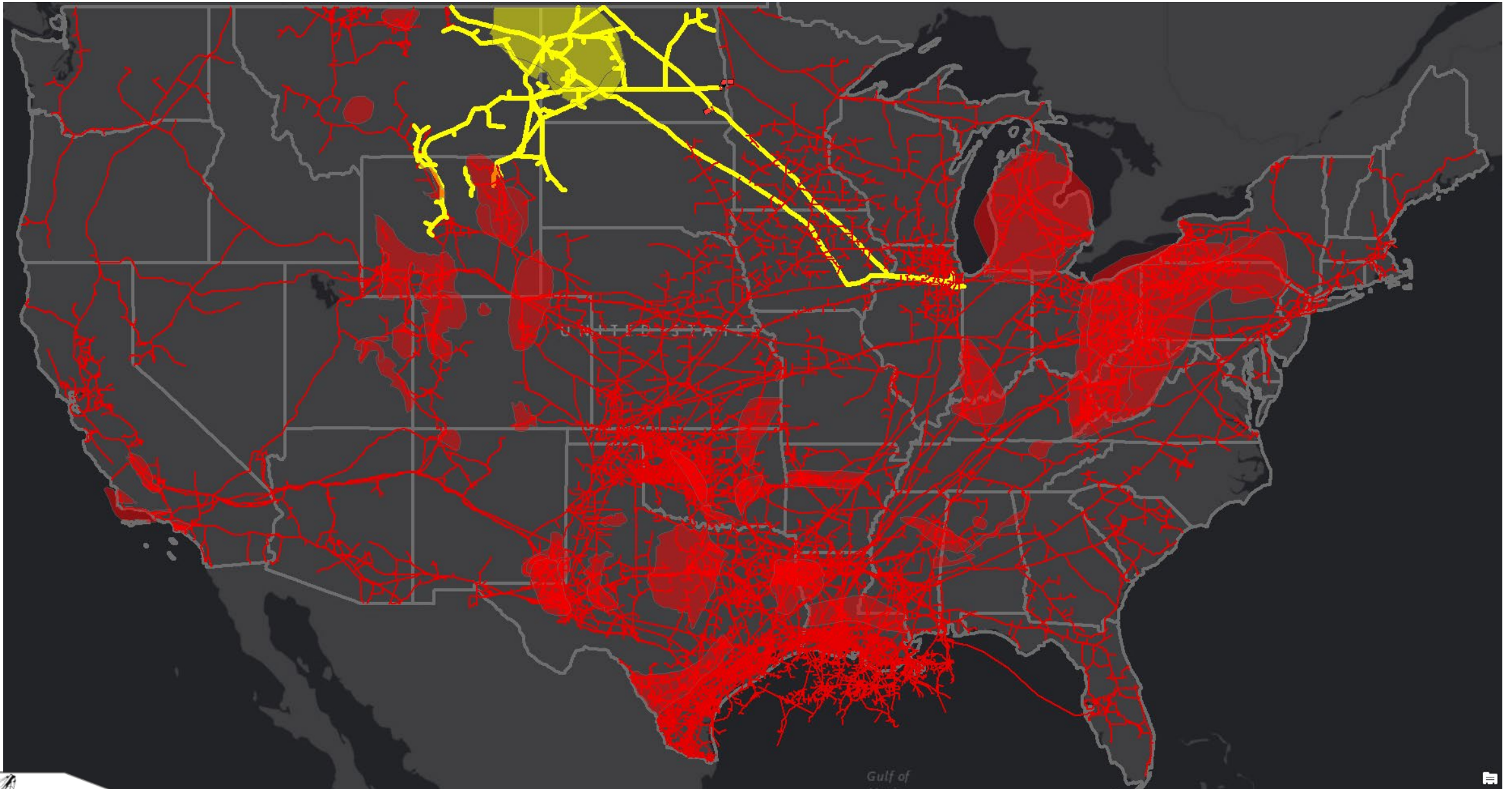


# North Dakota Gas Processing Outlook

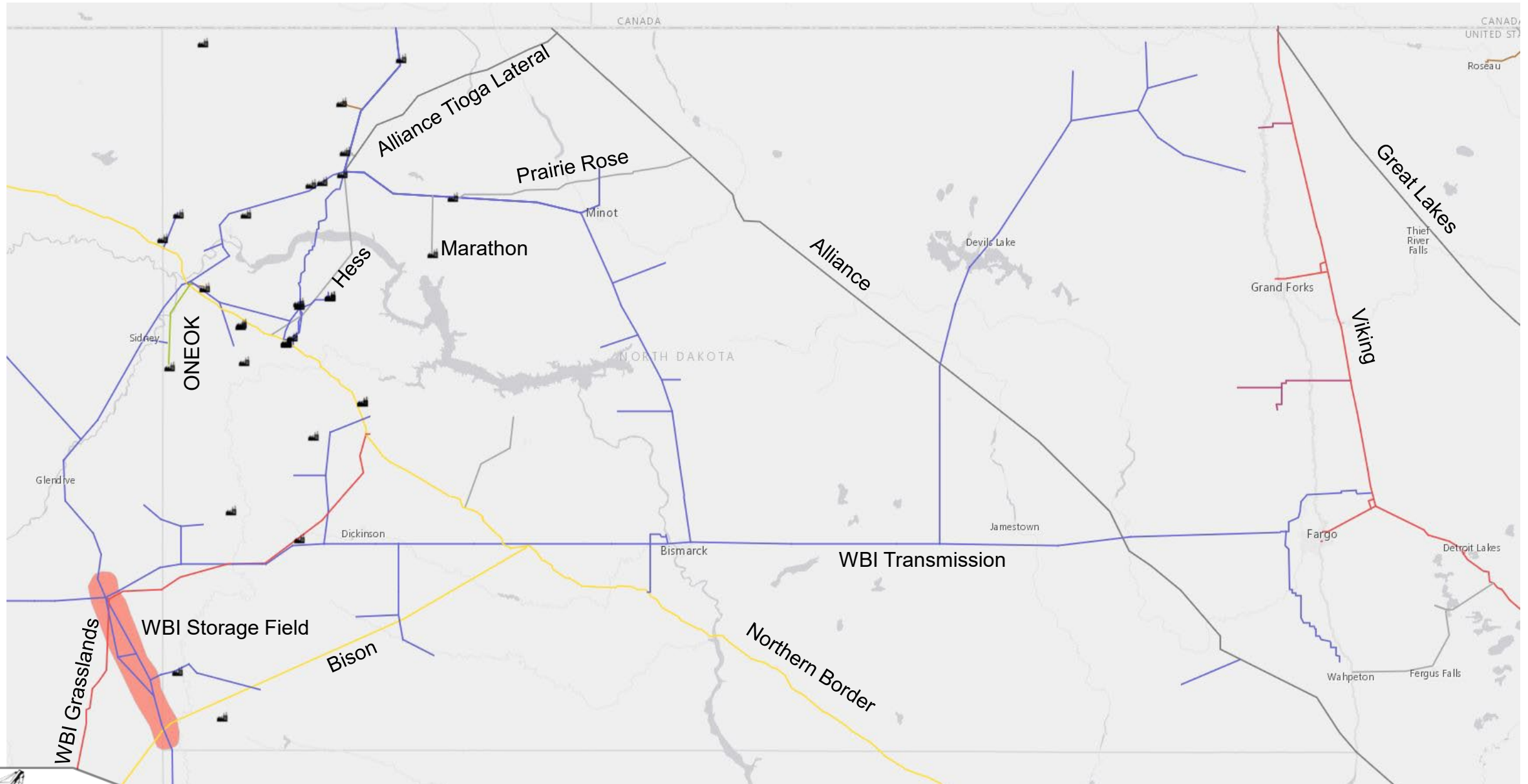




# Bakken Natural Gas Infrastructure

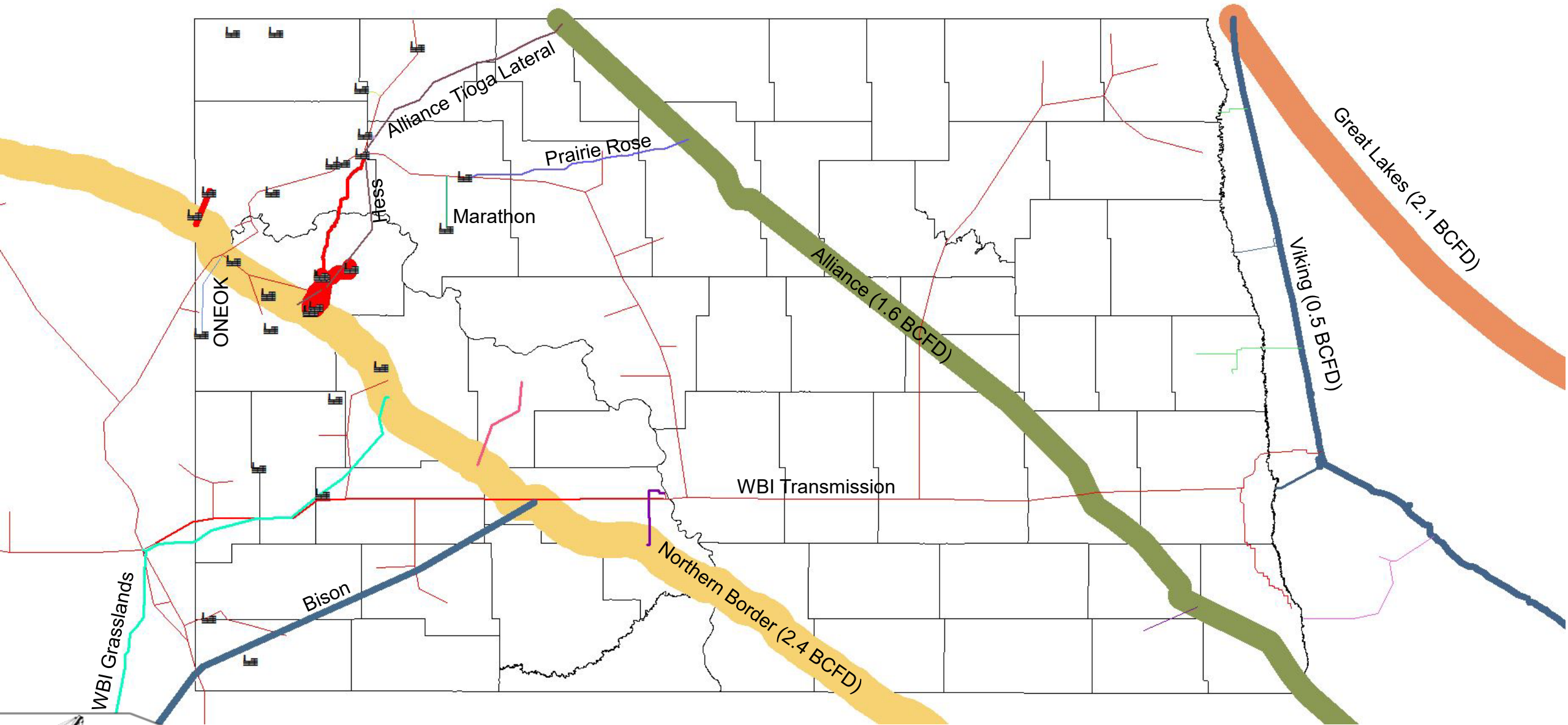


# Major Residue Gas Pipeline Infrastructure



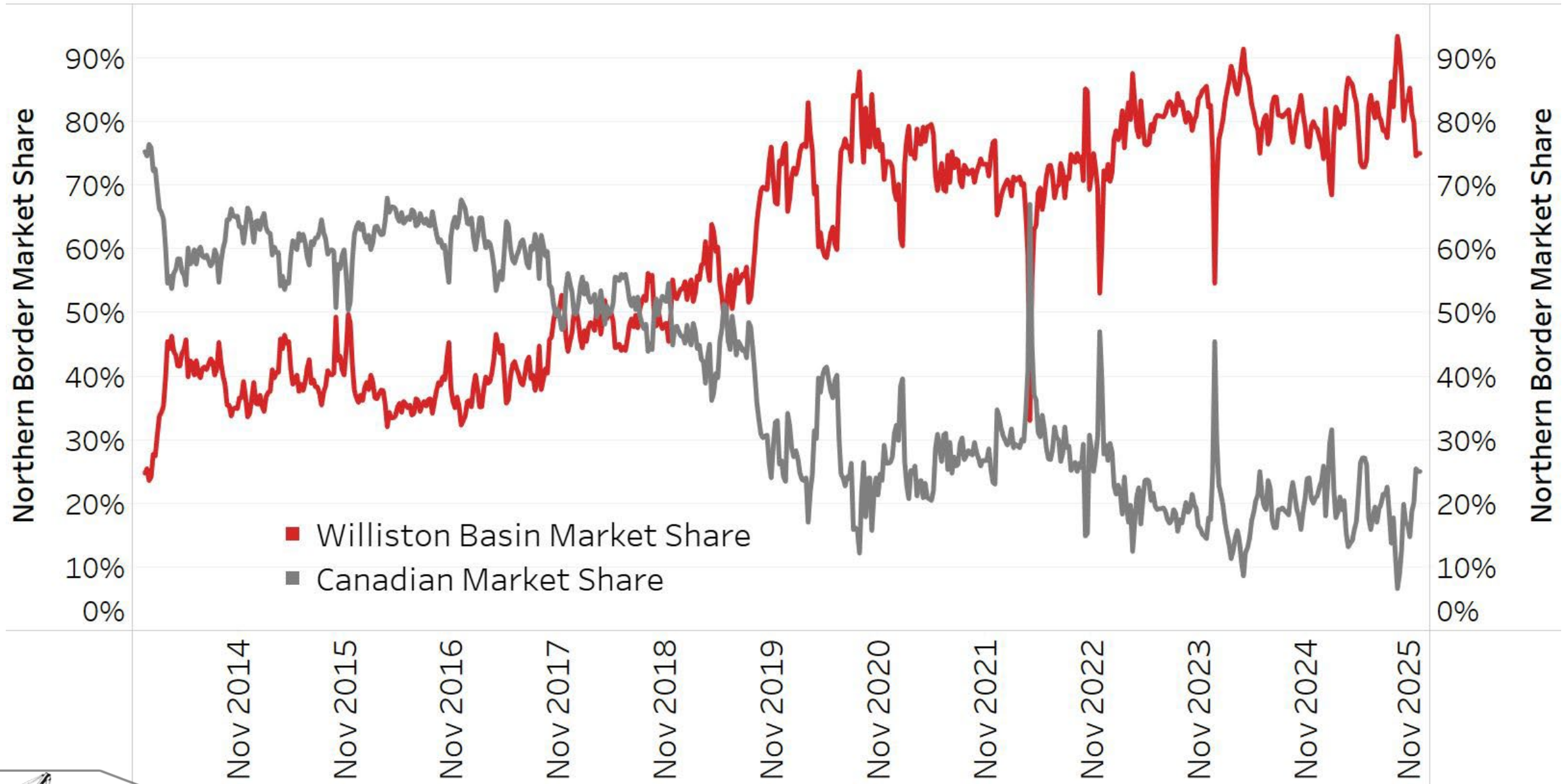


# Residue Gas Pipeline Capacity Visualization

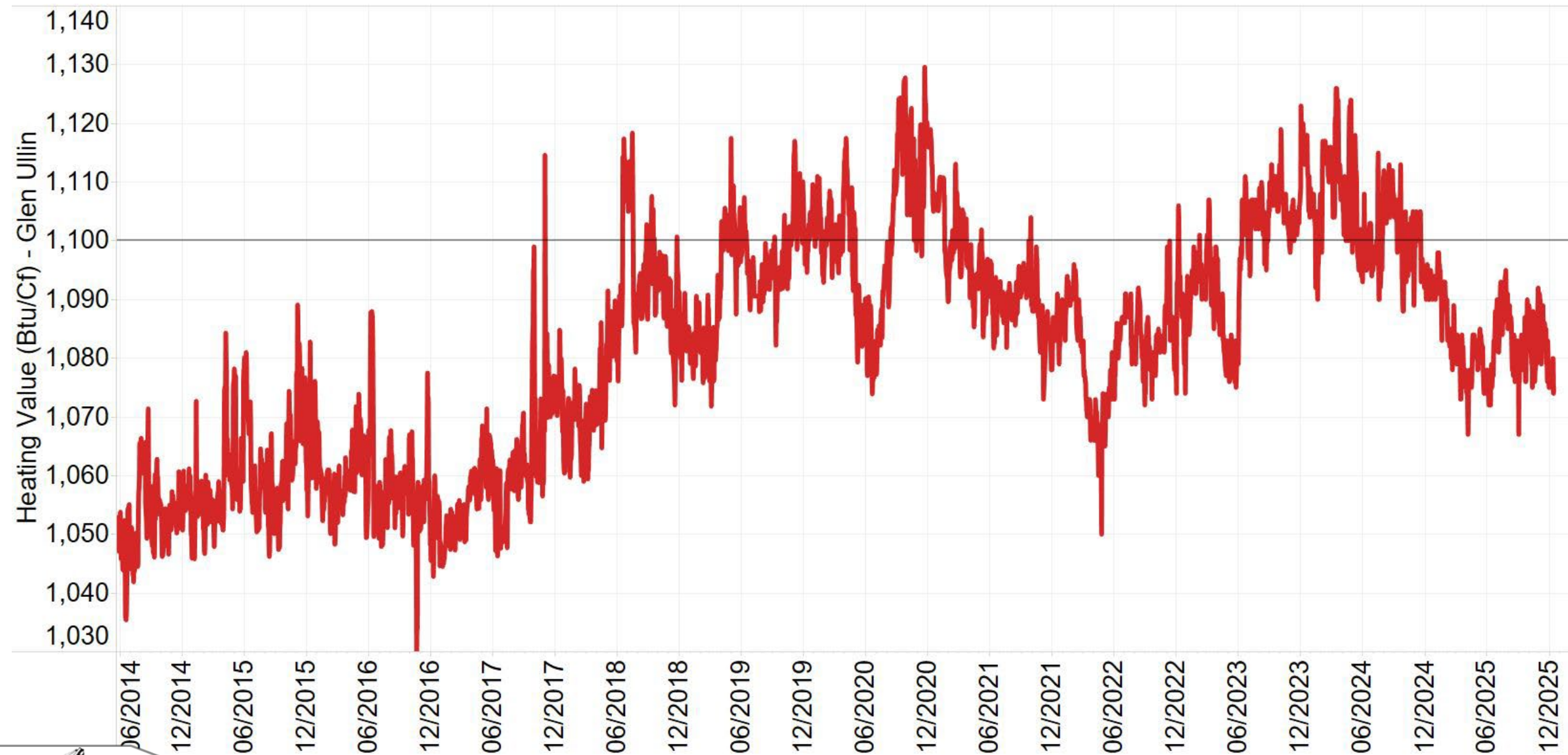




# Northern Border Pipeline Market Share



# Northern Border BTU at Glen Ullin, ND



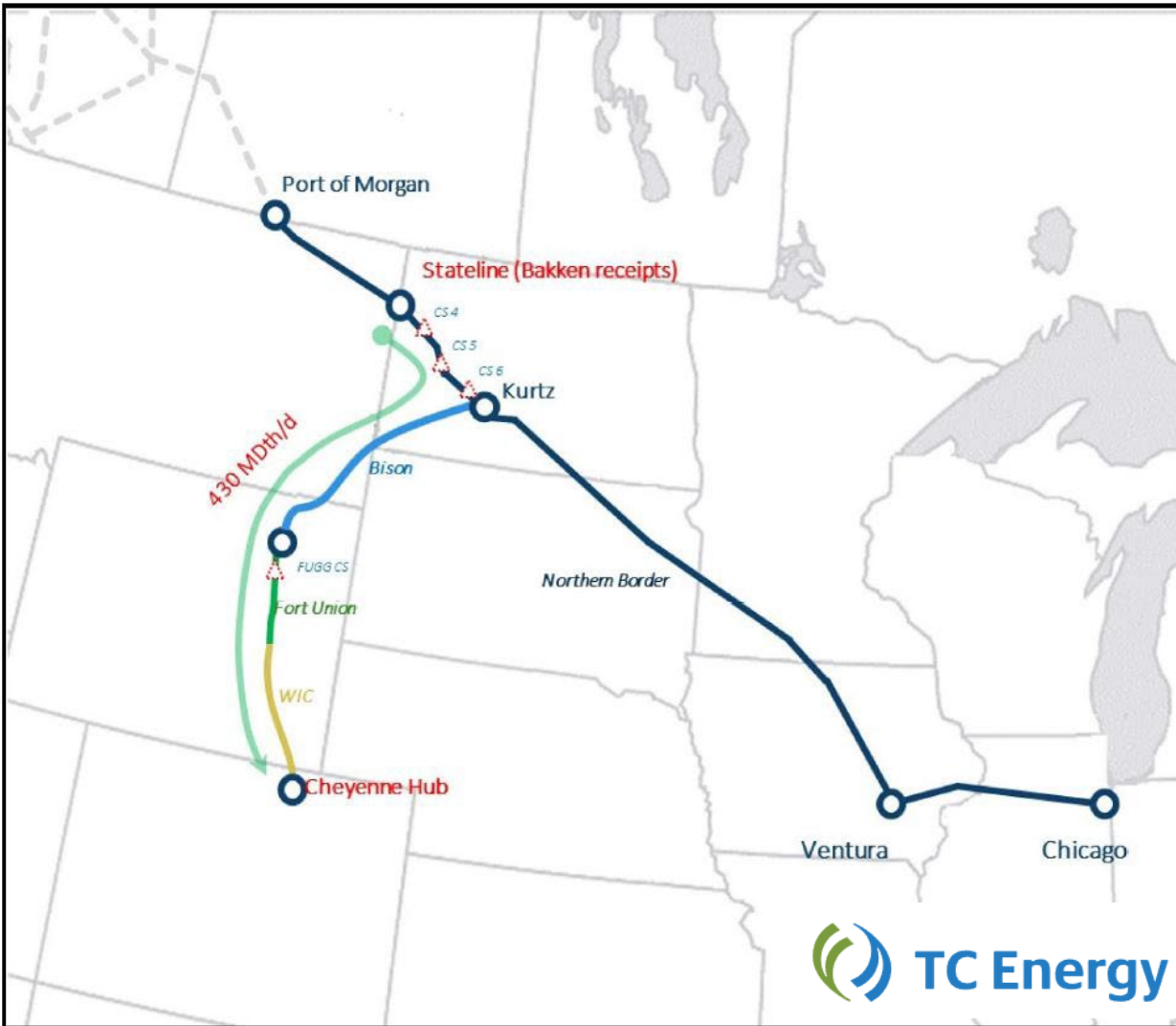
# TC Energy / Kinder Morgan: Bakken xPress Project

## Project Highlights

- Non-binding open season April 4 - May 6, 2022
- Binding Open Season: June 1-30, 2023
- Three compressor upgrades in North Dakota
- Reverse the idle Bison Pipeline (30" – 302 Mile)
- Capacity 300,000 Dth/Day (430,000 Offered)
- **May 2026** targeted in-service date
- Fort Union Gas Gathering and Wyoming Interstate Company provide further transport to Cheyenne hub.
- Seeking commitments 10yrs or Longer
- \$555 million: \$347 Replacement/\$208 Expansion

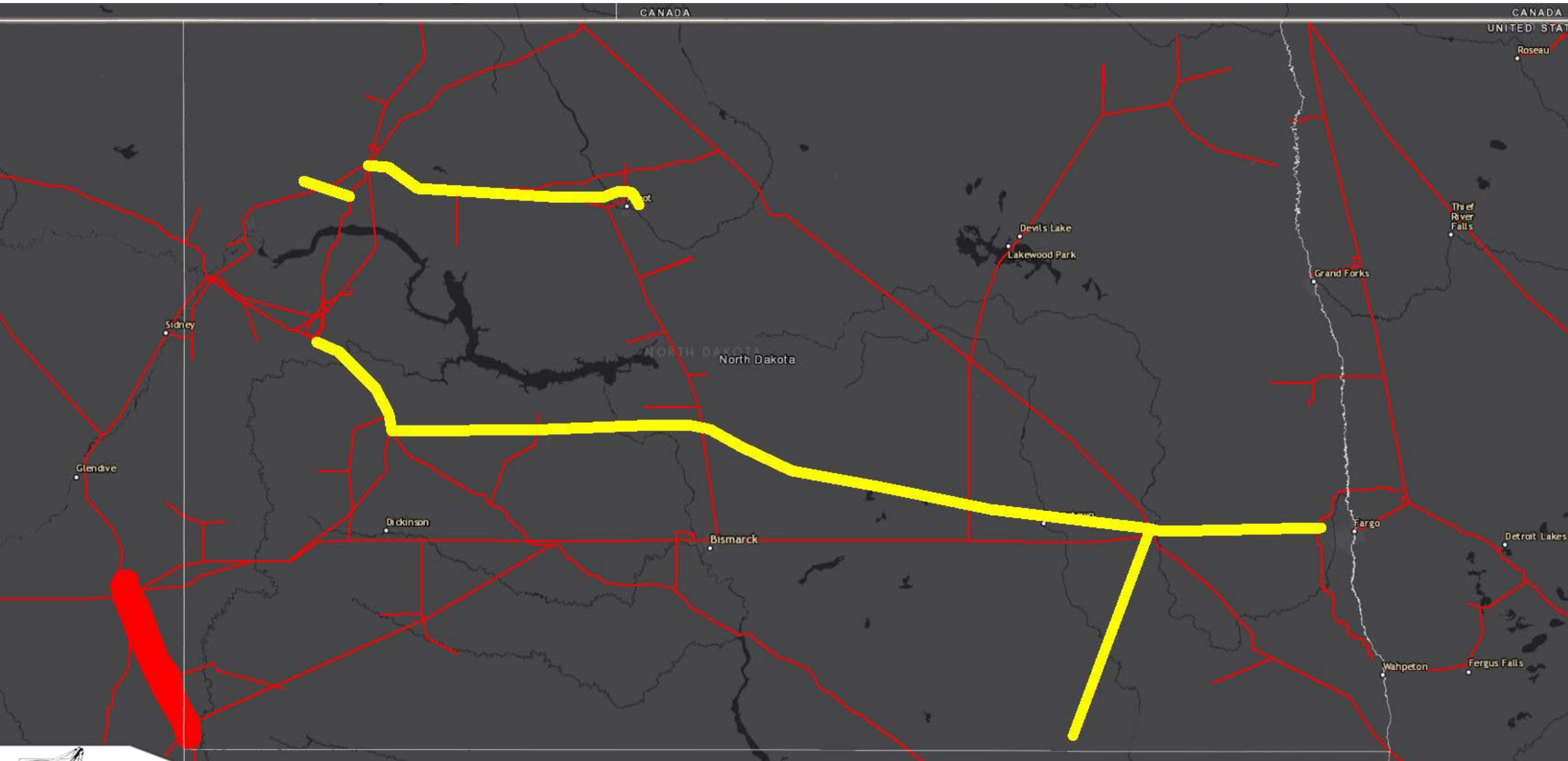
## Proposed Rates

- NBPL/Bison \$0.45/Dth + Fuel/Elec to WIC/FUG Interconnect
- WIC/FUG to Cheyenne \$0.30/Dth + Fuel/Elec
- Anchor Shipper Minimum: 50,000 Dth/Day

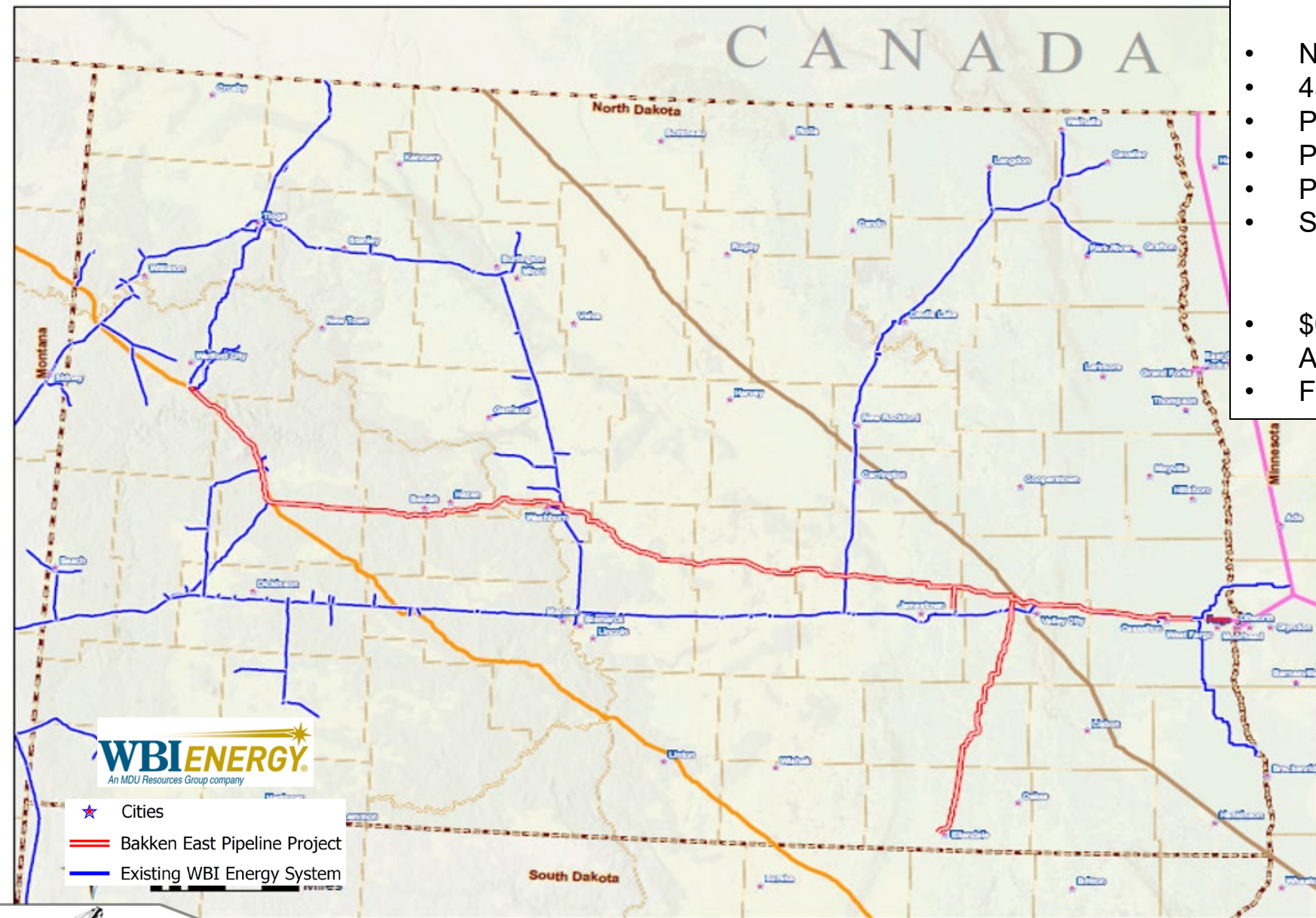




# Beyond 2026: Gas Transmission Projects



# WBI Energy: Proposed Bakken East Project



## Natural Gas Pipeline Project Highlights

- Non-binding open season Dec 16 – Jan 31, 2025
- 455 Miles: 36", 30", & 20" Pipe
- Proposed Capacity (East) 1,000,000 Dth/Day
- Phase 1 (West) : Nov 2029 targeted in-service
- Phase 2 (East) : Nov 2030 targeted in-service
- Seeking commitments 20yrs or Longer

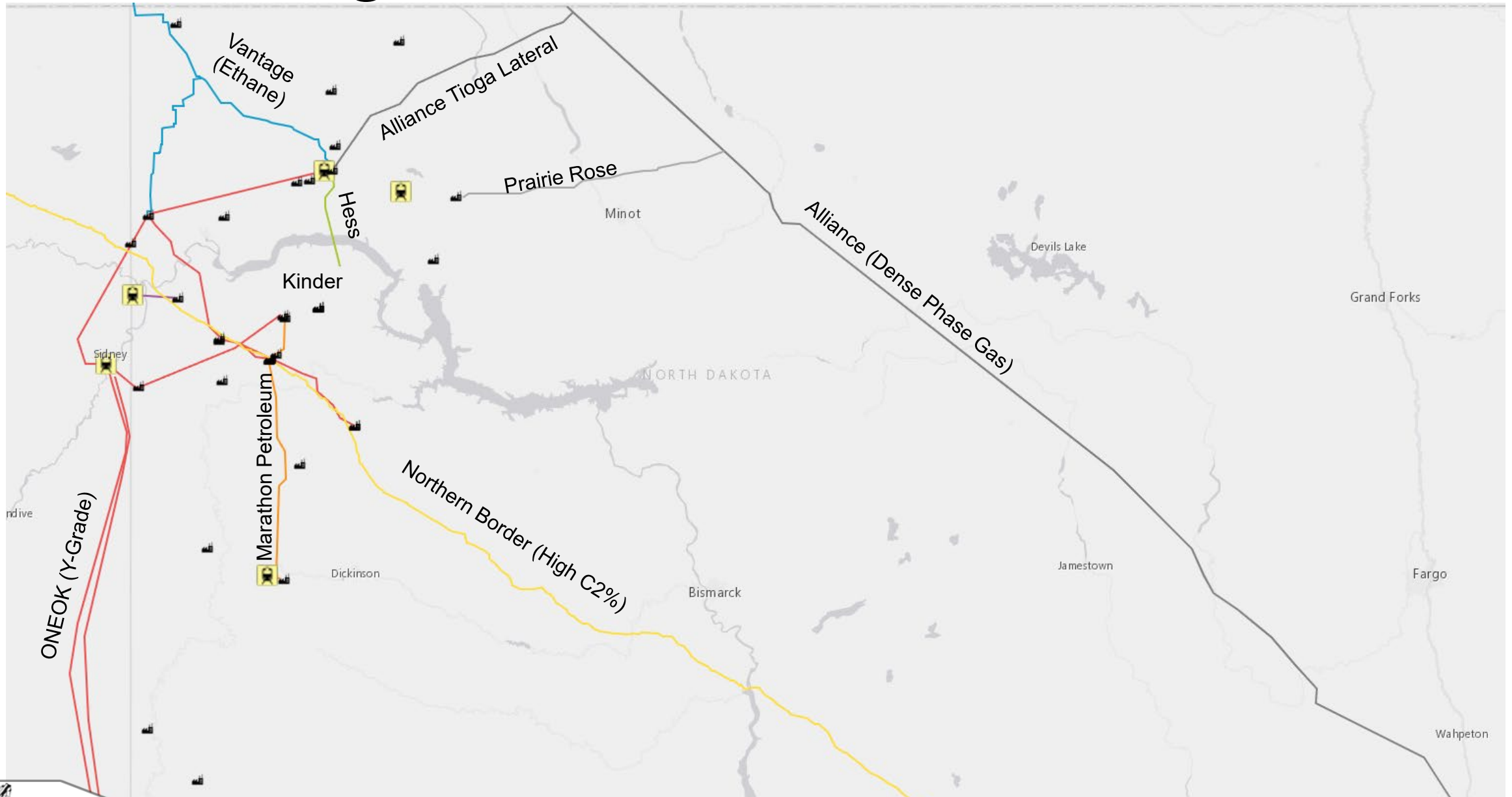
## Estimated Rates

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





# Regional NGL Infrastructure





# Contact Information

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