

Director's **Cut**

November 20, 2026



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:



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Director
Department of Mineral Resources



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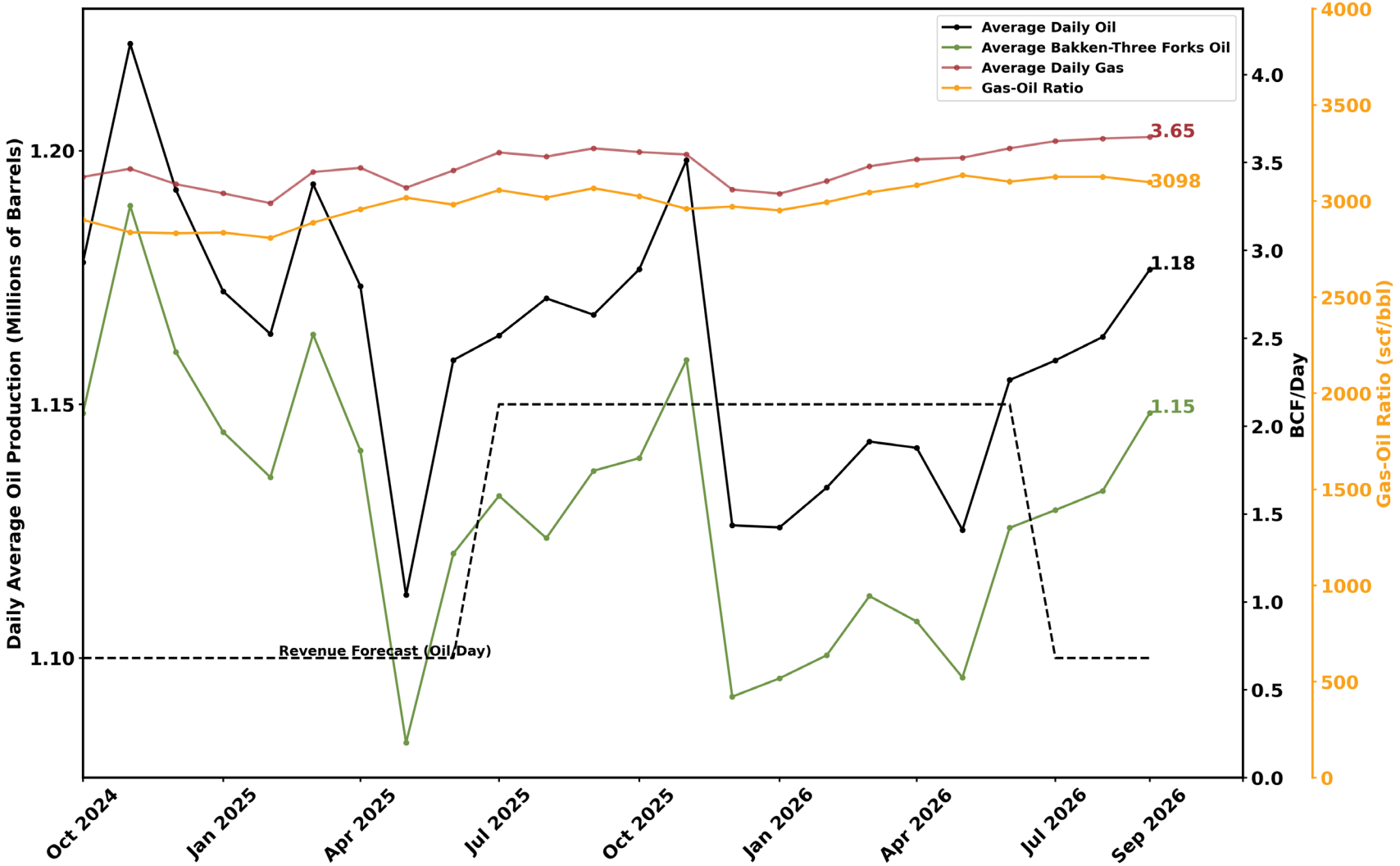
North Dakota Production



Statewide Production
Bakken 97.6%
Other 2.4%

Producing Wells
Bakken 90%
Other 10%



OIL PRODUCTION:

- September: 35,298,137 bbls = 1,176,605 bbls/day
- August: 36,061,685 bbls = 1,163,280 bbls/day
  - 6.96% above ND Revenue Forecast
    (RF = 1,100,000 bbls/day)
    - 1.15% from August to September
    - 13,325 bbls/day August to September

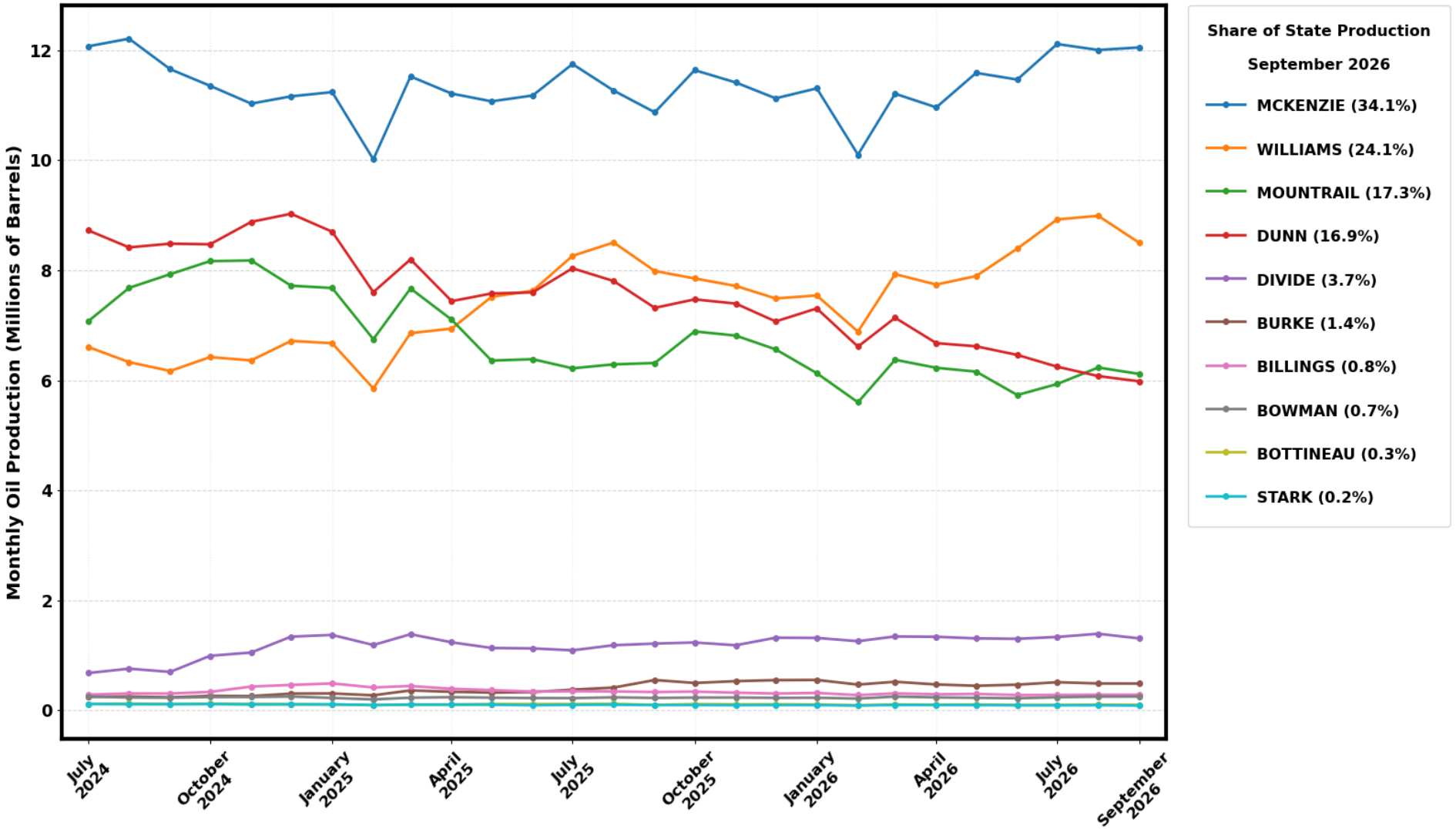
- Bakken/Three Forks Production
  - 1,148,332 bbls/day or 97.6%
- Non-Bakken/Three Forks Production
  - 28,273 bbls/day or 2.4%

GAS PRODUCTION:

- September: 109.4 BCF/Month = 3.645 BCF/Day
- August: 112.7 BCF/Month = 3.637 BCF/Day
  - 0.2% from August to September

North Dakota County Production

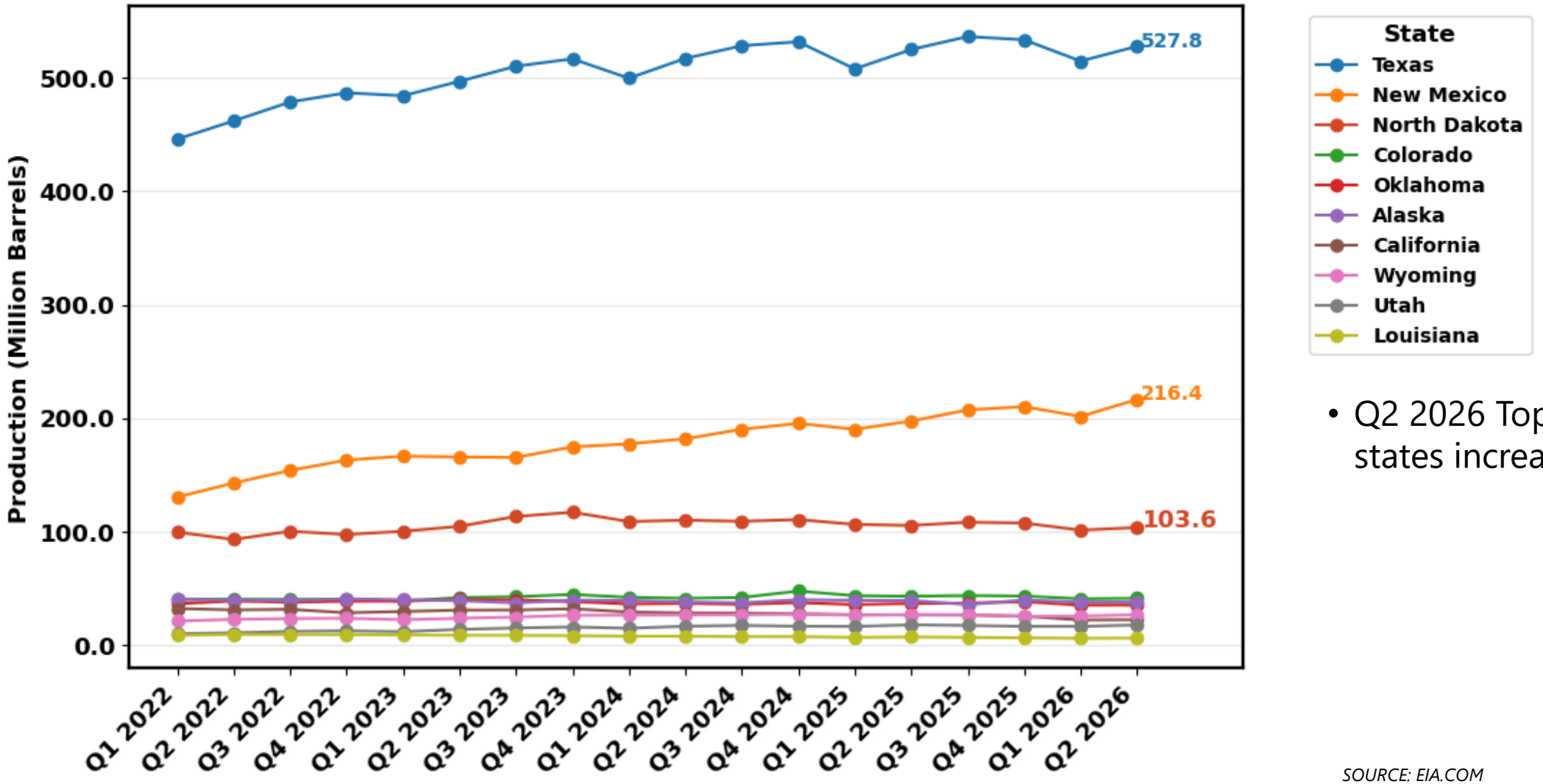




- ~34% of ND production comes from McKenzie County
- Top 10 counties make up ~99.5% of ND oil production

TOP 10 CRUDE PRODUCING STATES – BY QUARTER



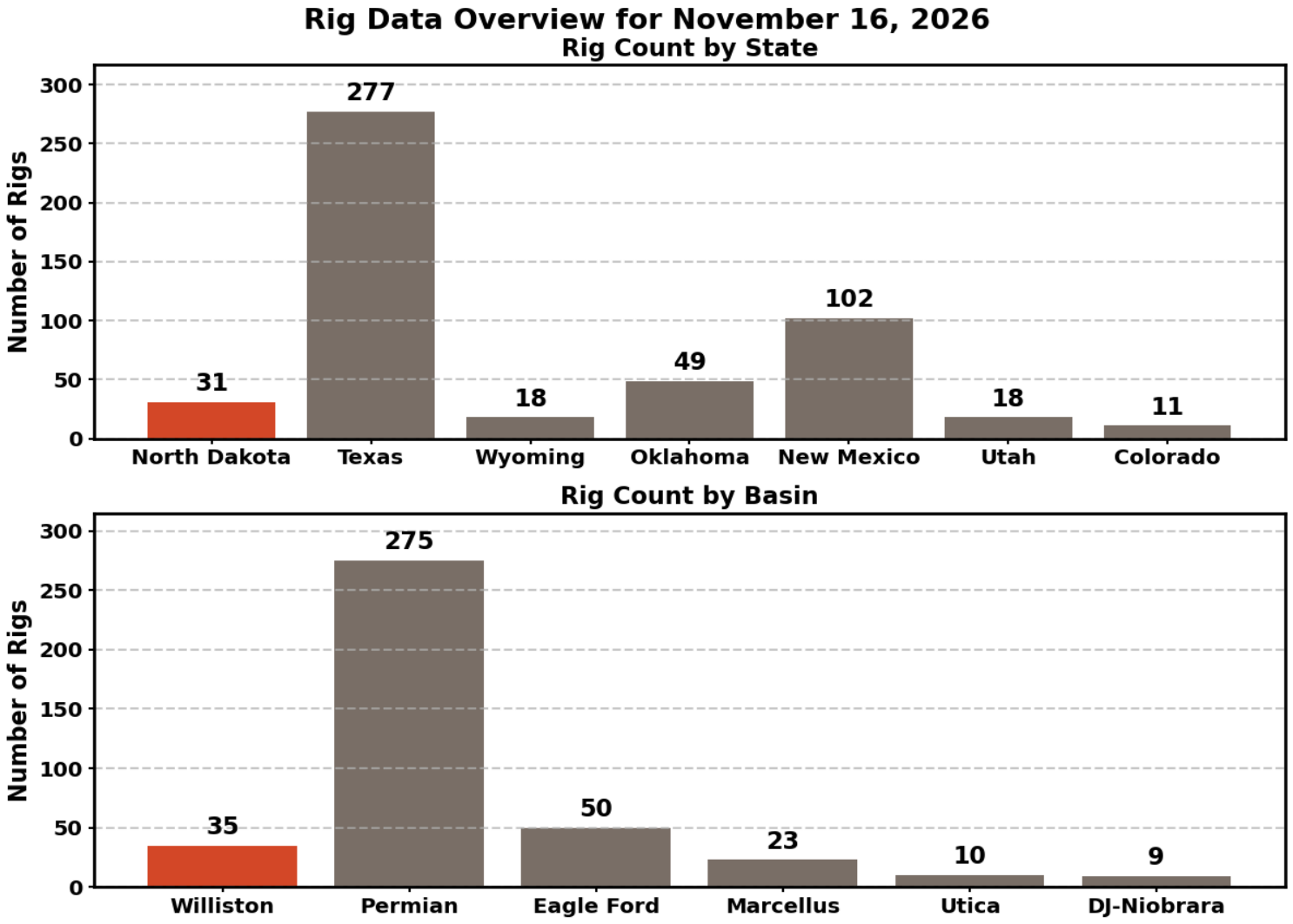


- Q2 2026 Top 3 oil producing states increased

SOURCE: EIA.COM

Rig Counts by State and Basin





- Total US Rig Count = 601
  - *October was approx. 603*
- ~46% of Rigs are in Texas
- ND Rig Count Trend
  - November = 31
  - October = 31
  - September = 28
  - August = 24

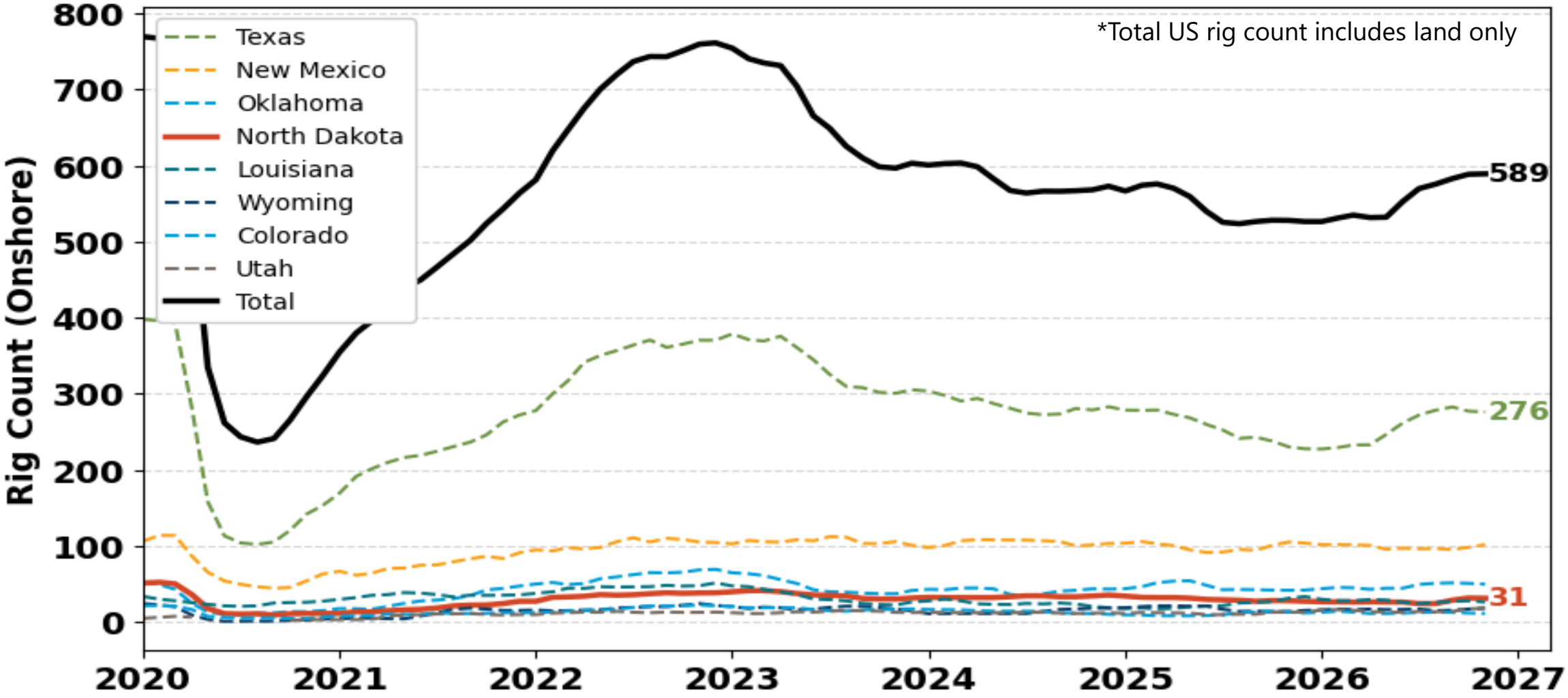
***All time high of 218 on 5/29/2018*

- 35 total rigs in Williston Basin
- 275 rigs in Permian (TX & NM)
  - ~45.8% of total US rig Count
- 33 rigs in the NE US, dry gas play

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

Rig Counts Over Time - State

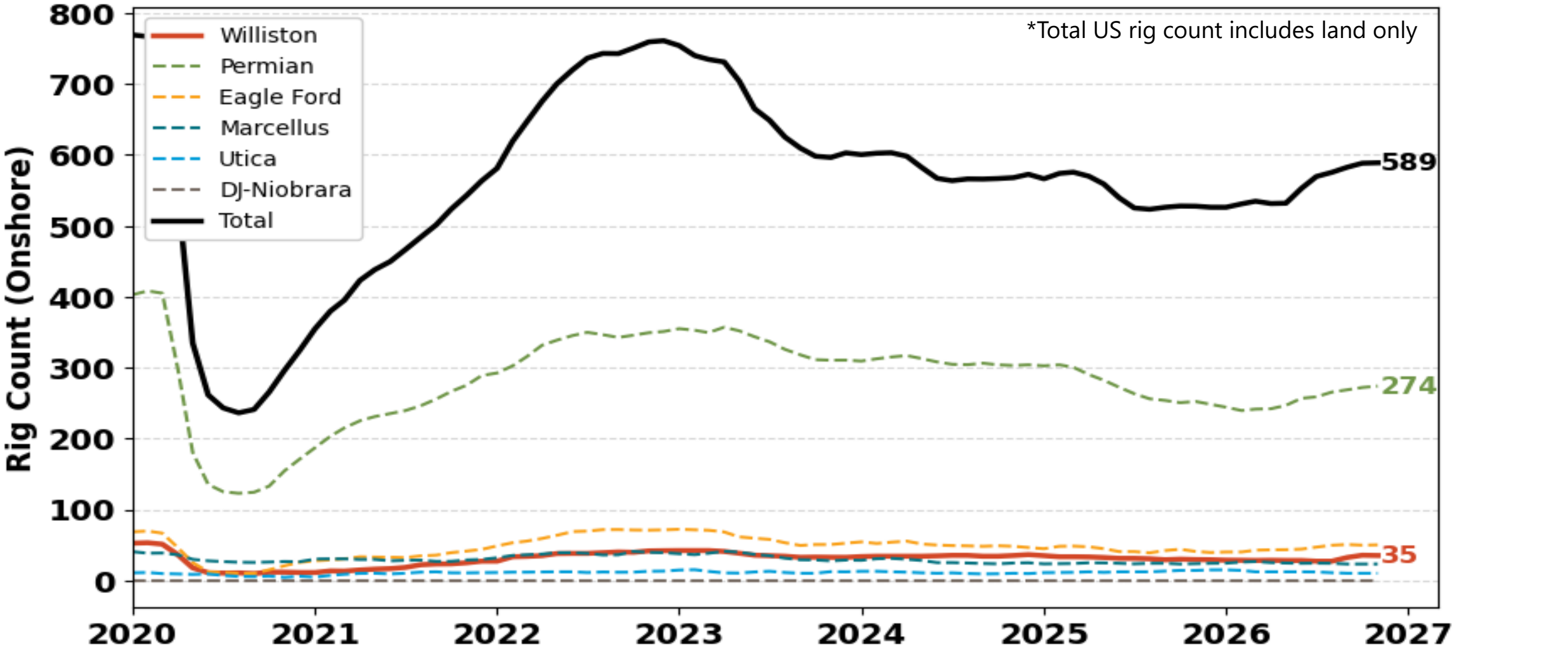




Rig Count Source: https://rigcount.bakerhughes.com/na-rig-count

Rigs Over Time - Basins





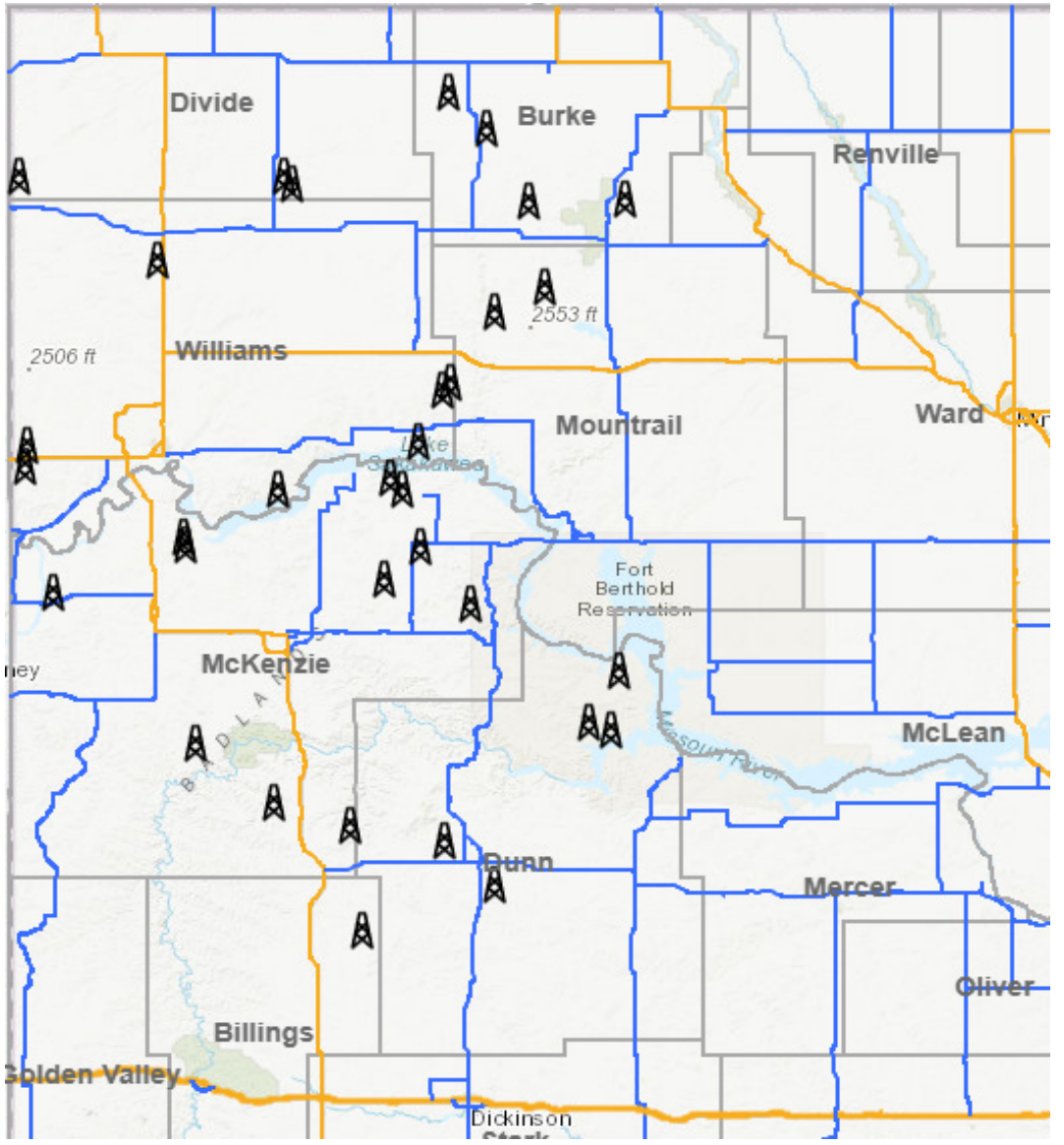
Rig Count Source: https://rigcount.bakerhughes.com/na-rig-count

Rig Count Summary



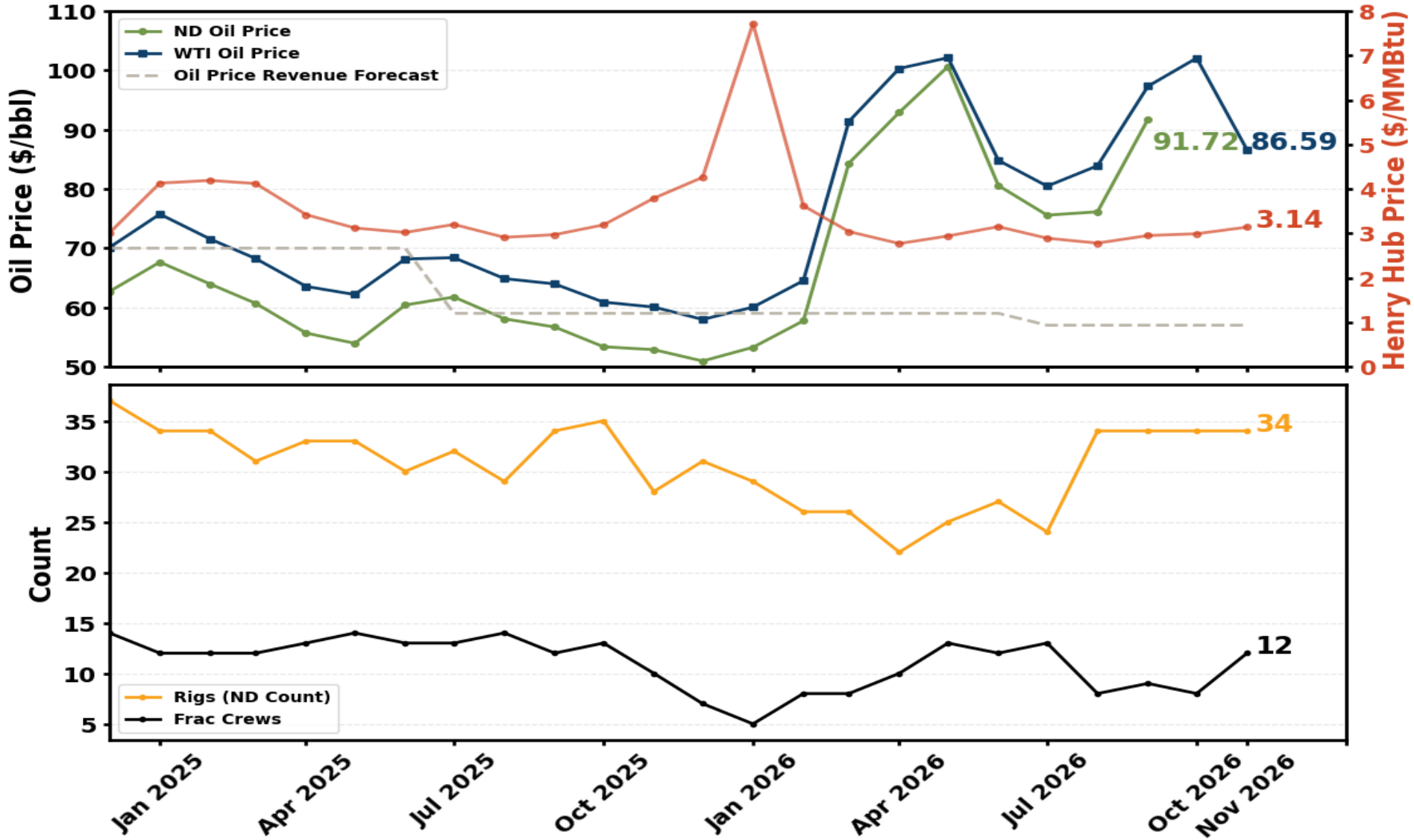
Operator		10-14-2026	11-16-2026	Change
Chevron (Hess)	●●	3	2	-1
Chord (Enerplus, Whiting & Oasis)	●●●●□	4	5	+1
Conoco (Burlington Resources)	●●●	3	3	0
Continental Resources	●●	2	2	0
Devon Energy	●●●●	4	4	0
EOG Resources	●	1	1	0
Formentera Operations	●	0	1	+1
Henry Hill Oil Services, Llc		1	0	-1
Hunt Oil	●	1	1	0
K T Enterprises, Llc	□	0	1	+1
Koda Resources Operating	●	2	1	-1
Kraken Operating, Llc	●	1	1	0
Marlo Operating Company, Llc	●	0	1	+1
Murfin Drilling Company, Inc.		1	0	-1
Petro-Hunt	●	1	1	0
Phoenix Operating	●●	3	2	-1
Rockport Energy Solutions Llc	●	1	1	0
Silver Hill Energy Operating	●	1	1	0
Slawson Exploration Company	●	1	1	0
True Oil	●	1	1	0
White Rock Oil & Gas, Llc	●	0	1	+1
XTO Energy	●●□	2	3	+1
Zavanna Energy Operating		1	0	-1
Total		**34**	**34**	**0**

● = Rig Capable of Reaching TD □ = Surface/Spud Rig



Pricing and Activity Levels





- Current WTI Oil = $81.50
- Current HH Gas = $3.14

ND Market Oil Price

Revenue Forecast = $57.00

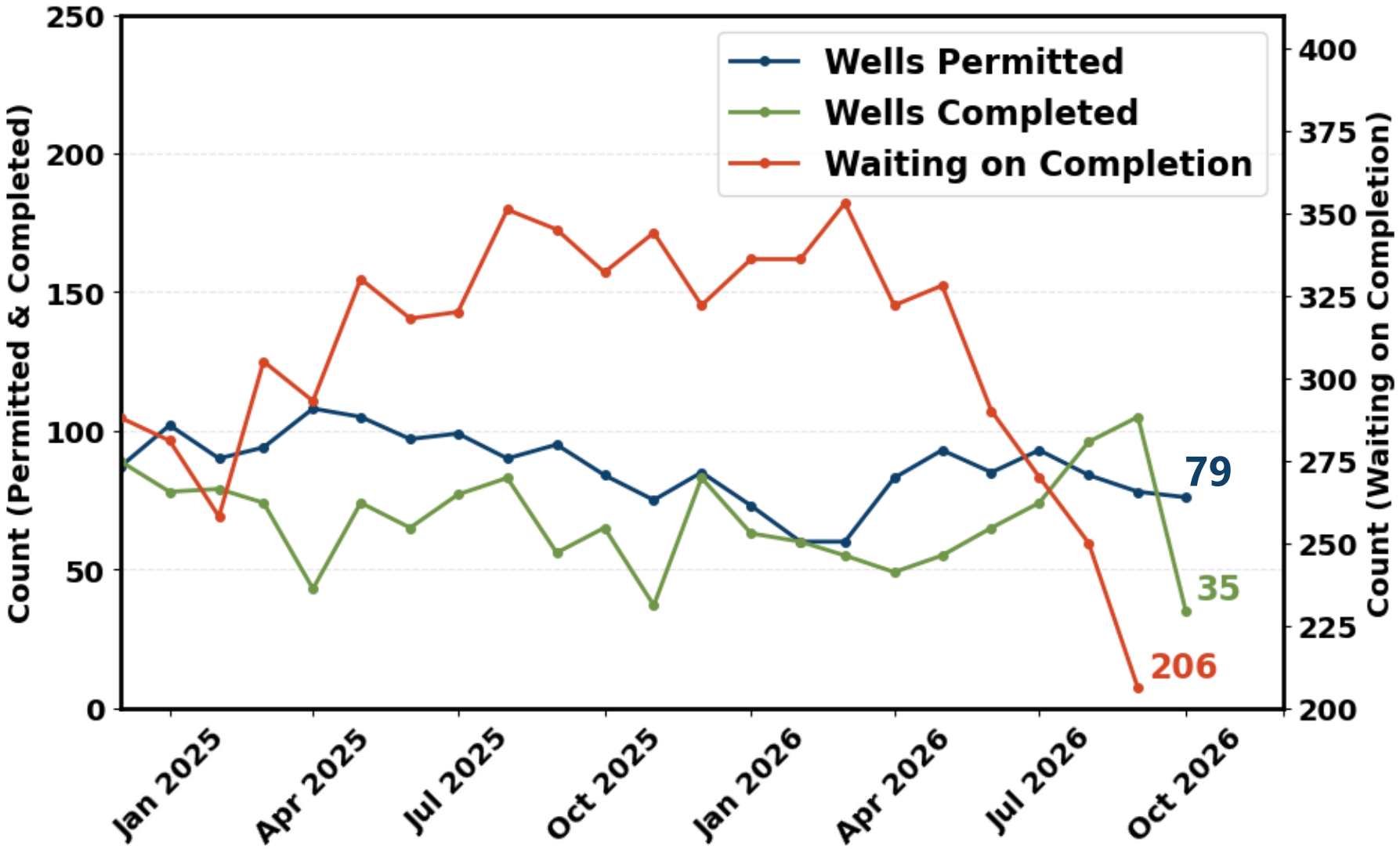
- September = $91.72
  60.9% to RF
- August = $76.14

- Current frac crew count = 12
- Current DMR rig count = 34
  https://www.dmr.nd.gov/oilgas/riglist.asp
  Data pulled mid-month

Henry Hub Price Source: https://www.eia.gov/dnav/ng/hist/rngwhhdm.htm

Permits and Completions





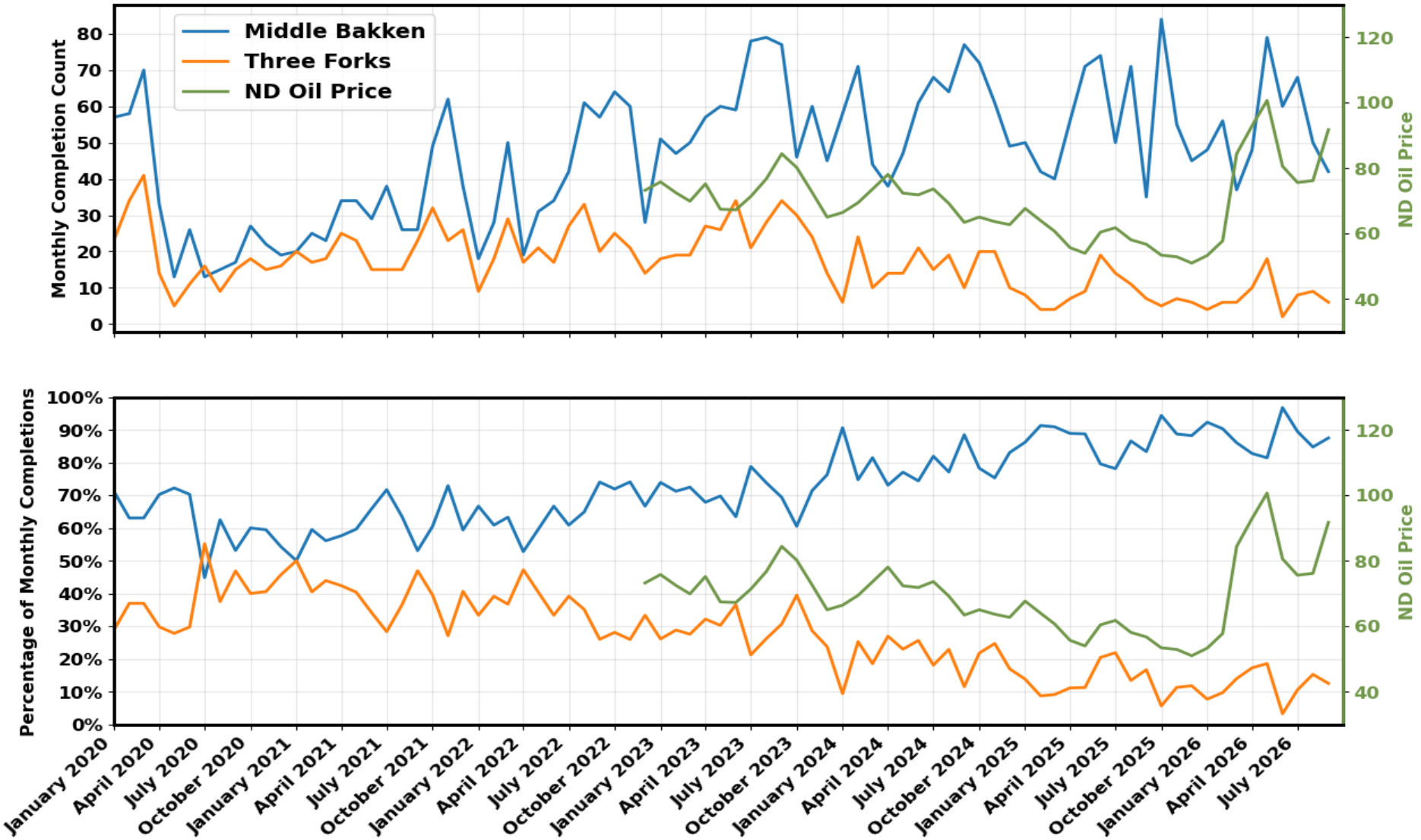
Permit Trend
- October = 79
- September = 78
- August = 84

Completion Trend
- October = 35
- September = 105
- August = 96

Extended Reach Permits
(*Issued to date*)
- 1623 - 3-mile lateral permits
- 454 - 4-mile lateral permits
  - 114 completed
- 63 U-Shaped lateral permits
  - 19 completed

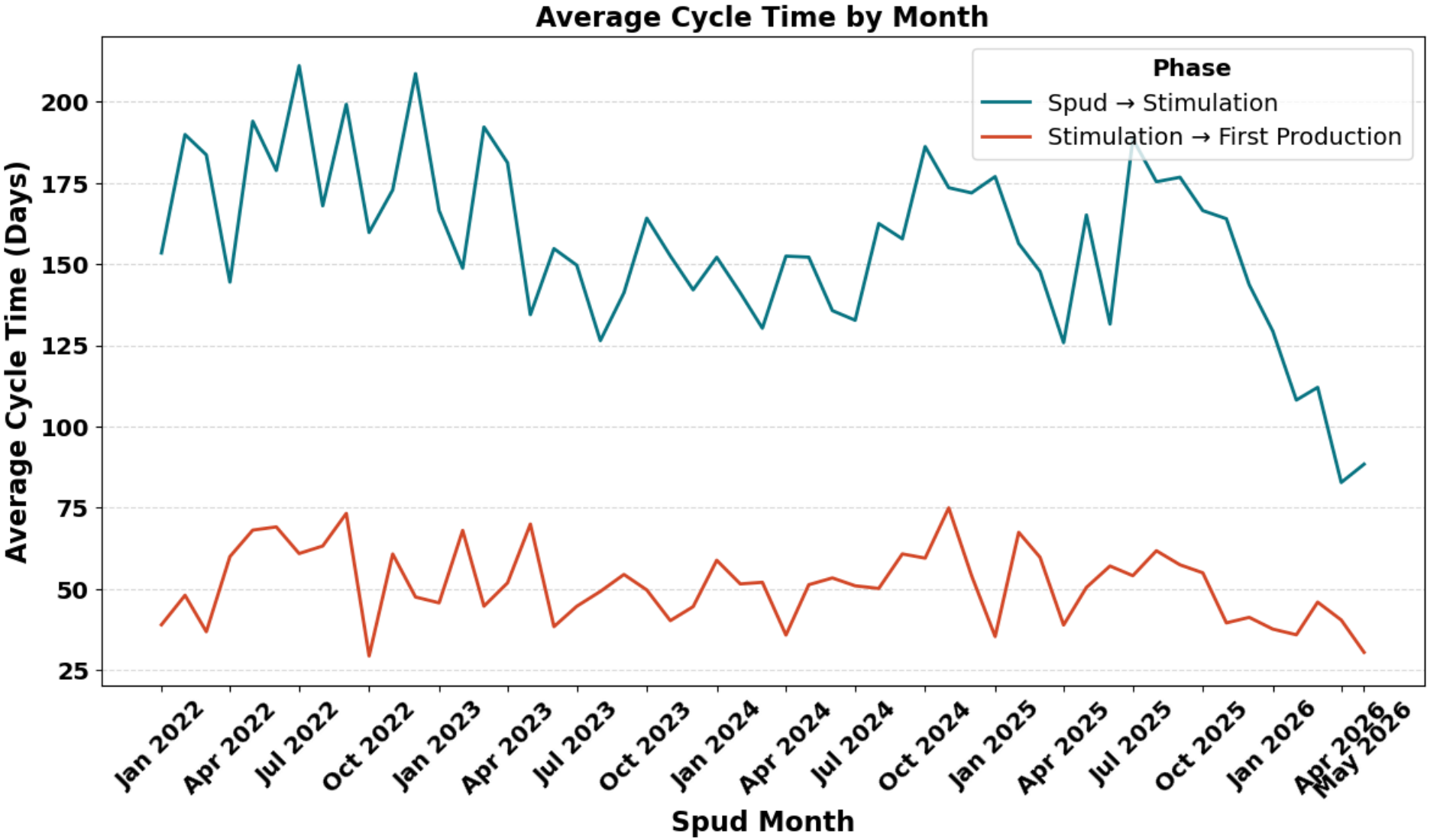
BAKKEN AND THREE FORKS COMPLETIONS





AVERAGE WELL CYCLE TIMES



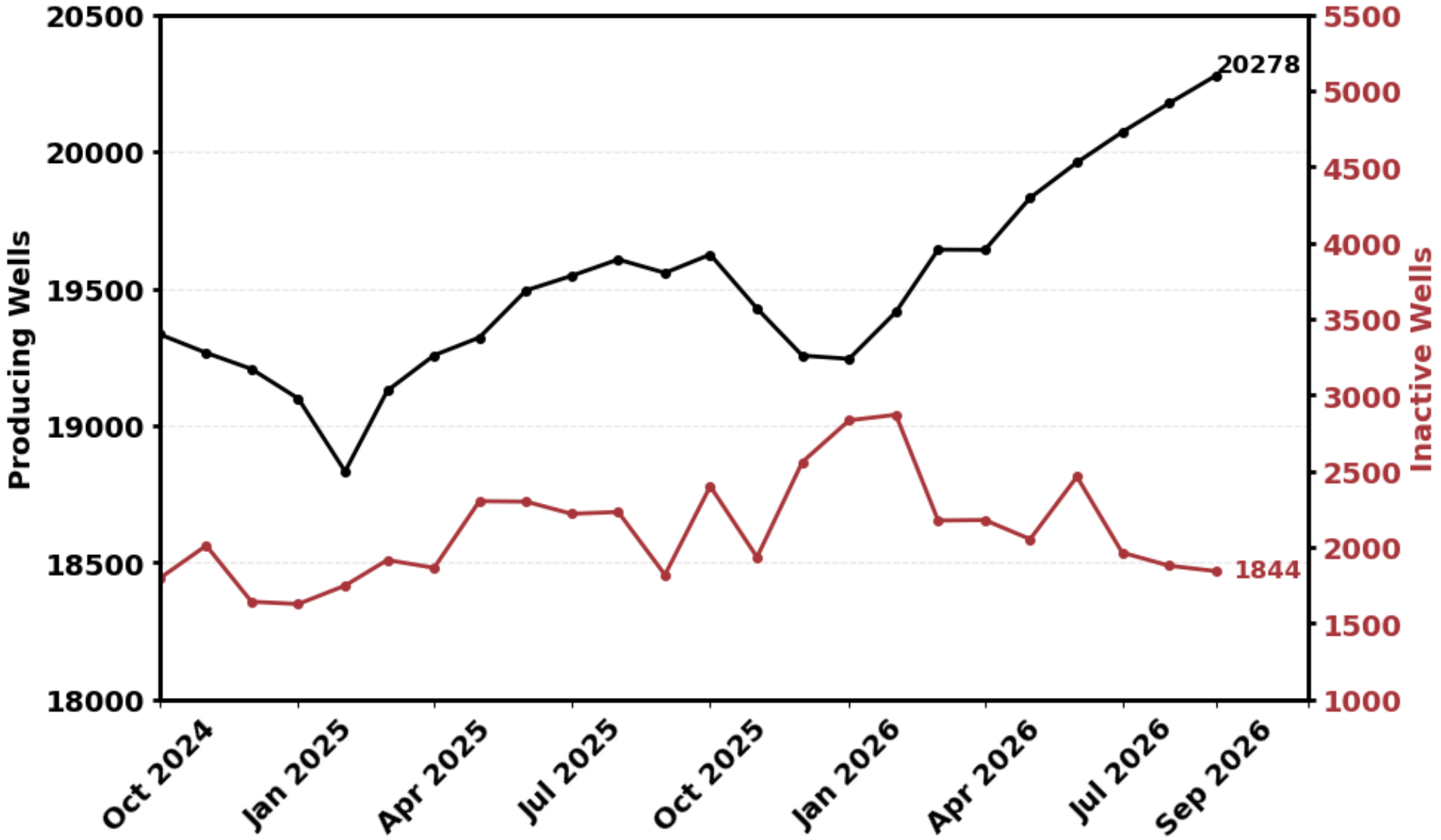


Cycle Times Improving

- Spud → Stimulation = First Spud to Last Stimulation
- Stimulation → First Production = Last Stimulation to First Production
- Spud to Stimulation trend continues to improve
- Stimulation to First Production time decreasing

Well Count

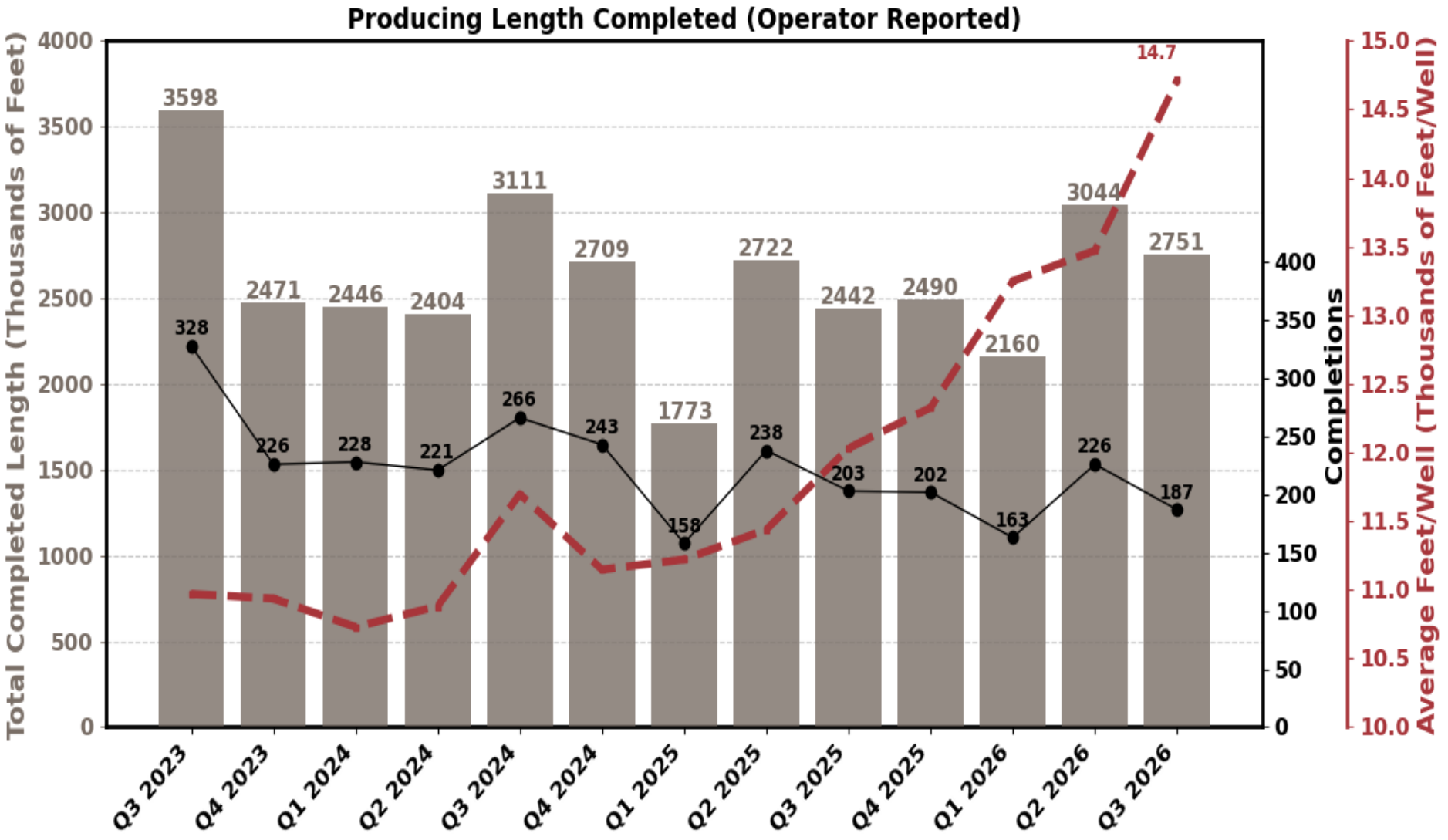




- Total number of producing wells is up 101, month over month
- Number of inactive wells decreased by 36, month over month
- Producing wells were at an all time high of 20,278 in September.

COMPLETED FOOTAGE OVER TIME





Trend of Lateral Lengths

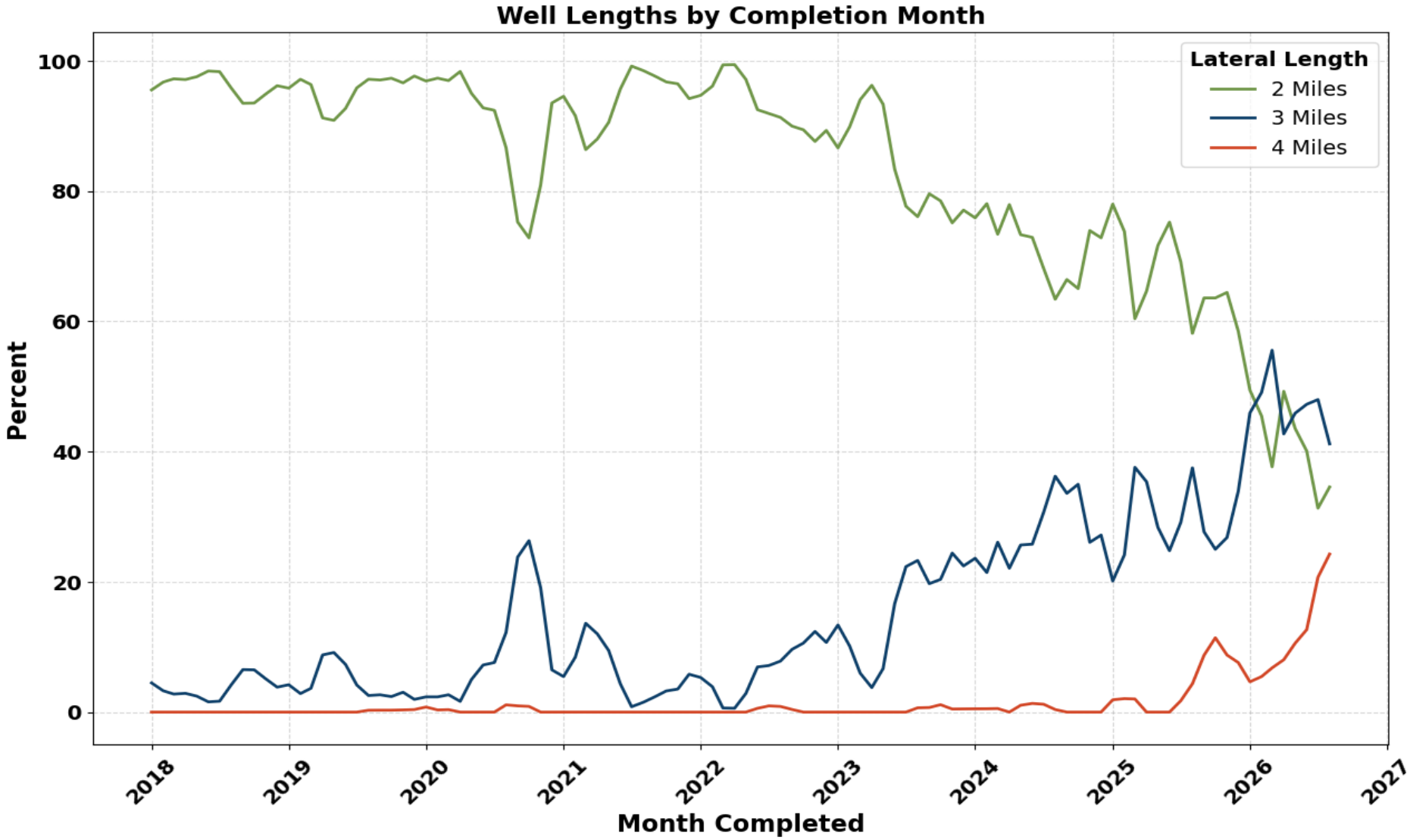
- 2024 = 10,670,000 total feet completed
- 2025 = 9,427,000 total feet completed
- 2026 YTD = 7,955,000 total feet completed

- Estimated average lateral length completed by year:
  - 2023 = 10,554
  - 2024 = 11,138
  - 2025 = 11,769

- Q3 2026 current average completed lateral footage per well at an all time high of 14,711' (pending additional data)

Lateral Lengths Over Time





Total Percentage of Permits by Lateral Length

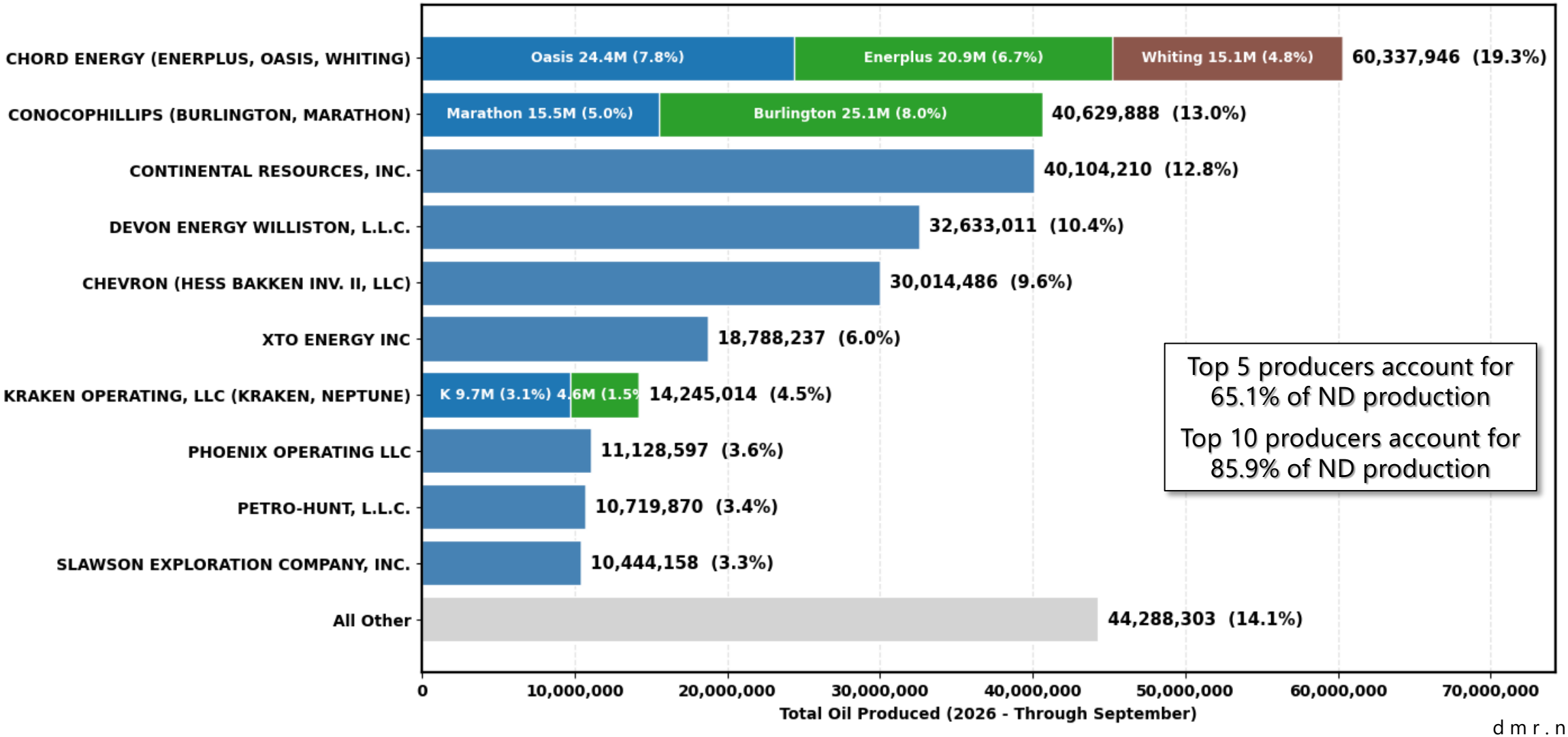
- ~34% = 2-mile
- ~41% = 3-mile
- ~25% = 4-mile

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

TOP 10 OIL PRODUCERS IN ND - 2026



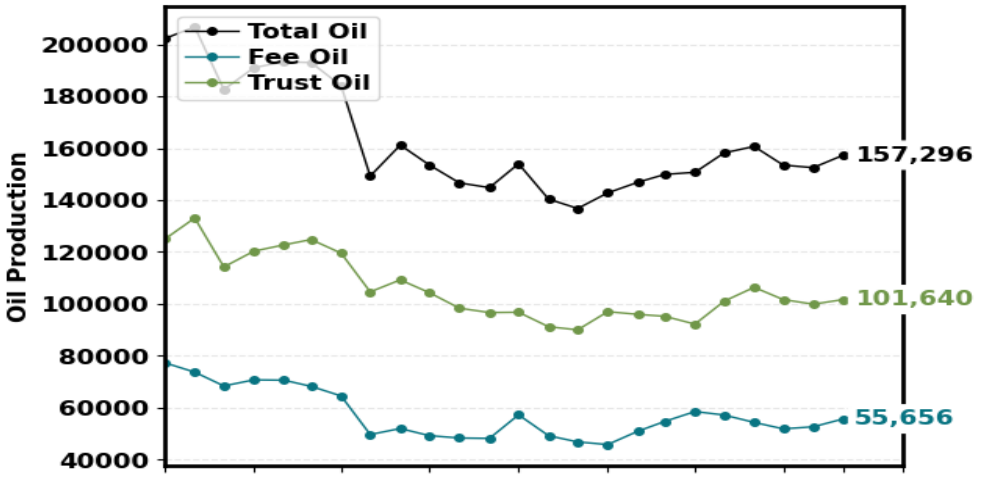


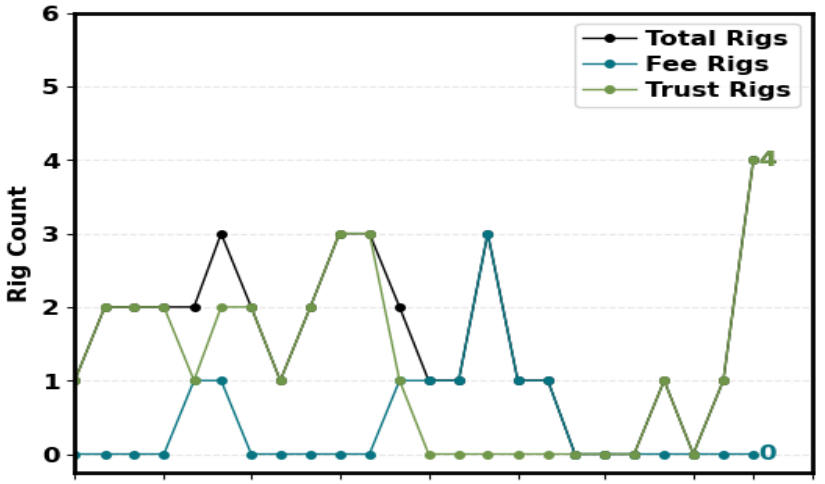
Top 5 producers account for 65.1% of ND production

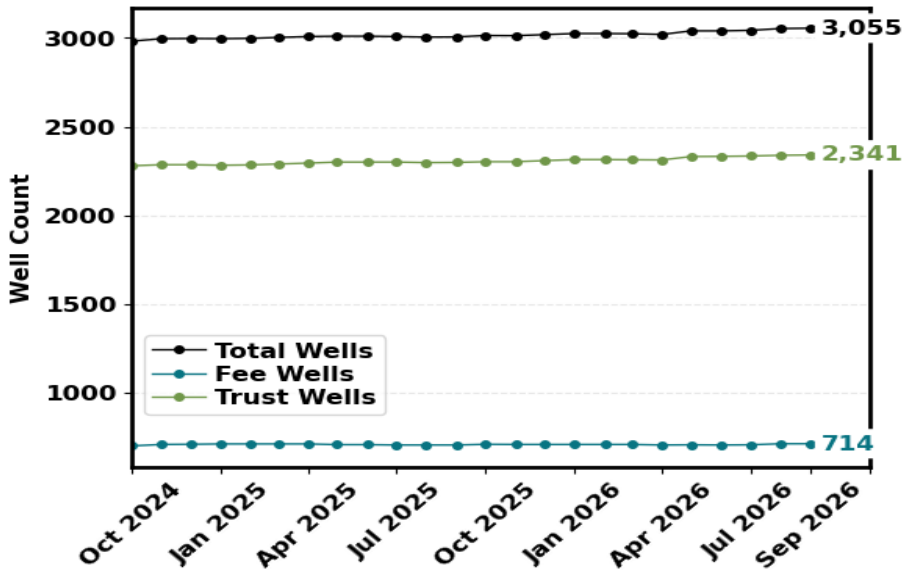
Top 10 producers account for 85.9% of ND production

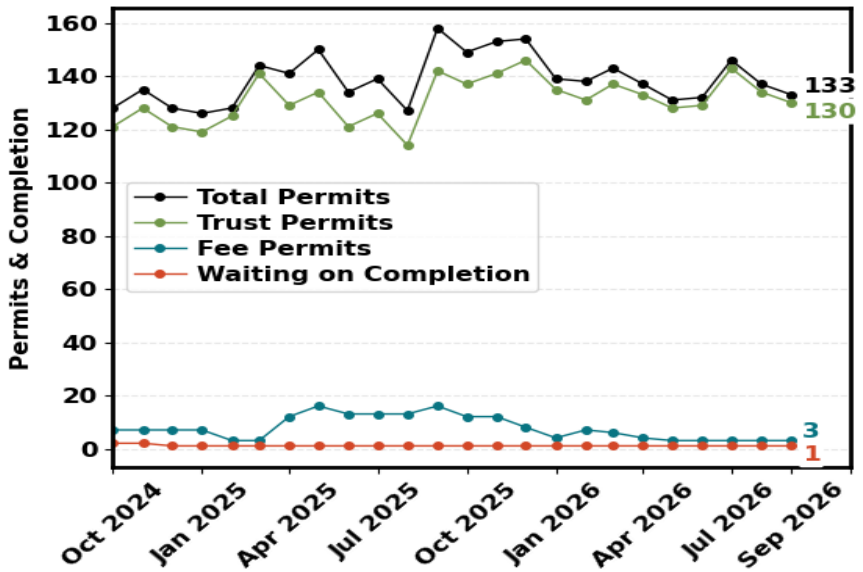
Fort Berthold Activity











Sept Oil Production = 157,296
- 3.2% increase
- Increase of 4,827 bopd

Aug Oil Production = 152,469

Rig count at 4

Total Active Permits = 133
- Decrease from last month

Number of Active Wells = 3,055
- Fee = 714
- Trust = 2,341

Gas Capture

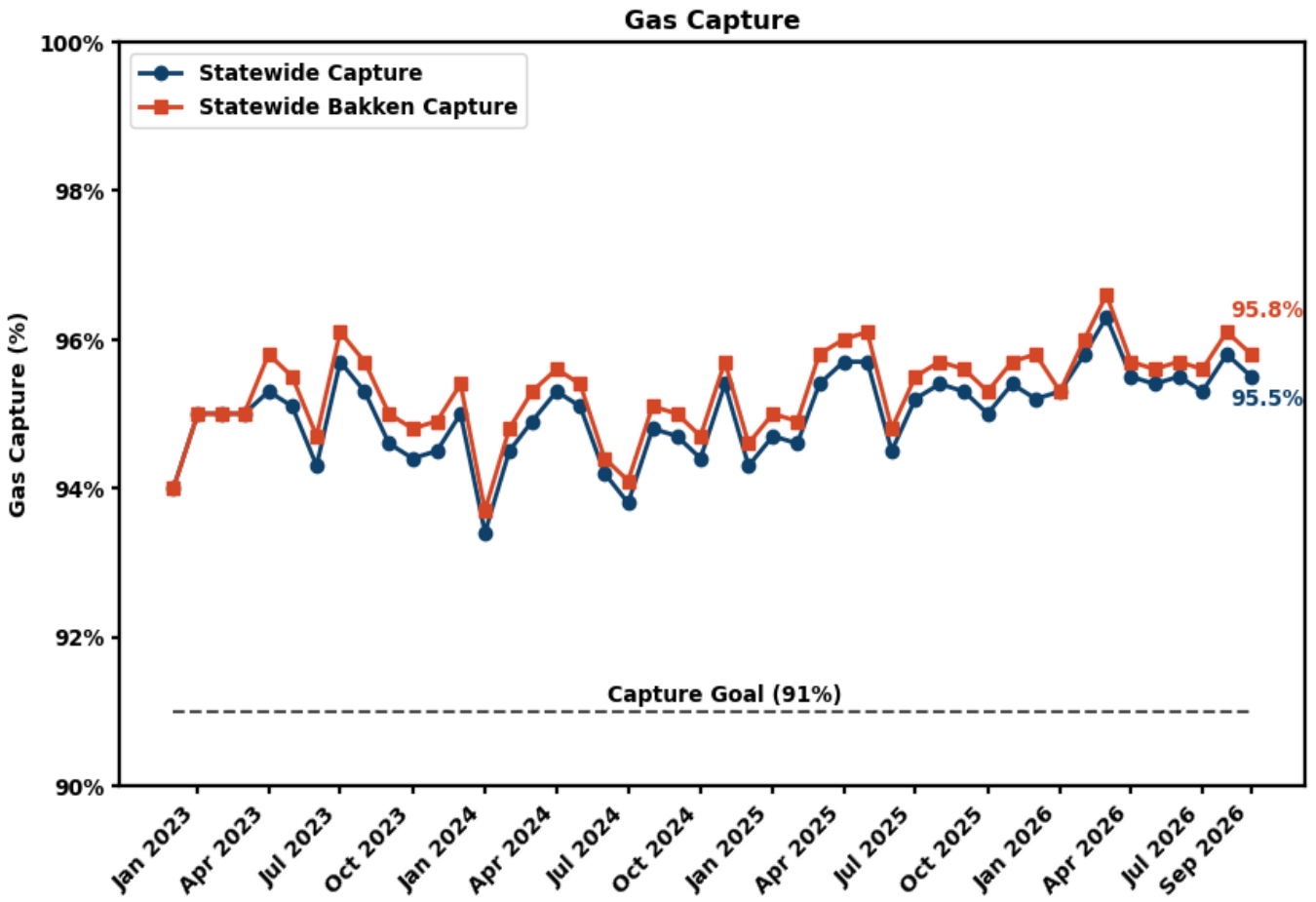


The state-wide gas flared volume from August to September increased by 7.3 MMCF/D to 162.7 MMCF/D, the statewide gas capture decreased slightly to 95.5% while Bakken gas capture decreased to 95.8%.

Gas capture details are as follows:

Statewide	95.5%
Statewide Bakken	95.8%
Non-FBIR Bakken	95.7%
FBIR Bakken	94.9%
Trust FBIR Bakken	94.6%
Fee FBIR	97.0%

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



FEDERAL IIJA GRANT UPDATE



FEDERAL GRANT	AWARD AMOUNT	GRANT STATUS	WELLS PLUGGED & ABANDONED				WELL SITES RECLAIMED				BRINE BONDS REMEDIATED			
			Planned	Complete	Pending	Status	Planned	Complete	Pending	Status	Planned	Complete	Pending	Status
Initial Grant	$25,000,000	Complete	73	73	–	100%	115	112	3	97%	–	–	–	
Formula Grant – Phase I	$25,000,000	In Progress	14	14	–	100%	22	–	22	0%	20	8	12	40%
Formula Grant – Phase III	$30,266,234	Pending Application	17	–	17	0%	44	–	44	0%	25	–	25	0%
		TOTAL	104	87	17	84%	181	112	69	62%	45	8	37	18%

- **Formula Grant Phase I:** Contractors have begun equipment demobilization at several of the well sites that are to be reclaimed – Work on brine ponds will continue in Spring of 2027
- ***Formula Grant Phase III:** ND is eligible for listed amount – Grant has not been applied for nor awarded at this time – project counts above are estimates.
- **For Updates & More Information: https://www.dmr.nd.gov/dmr/iija**

SUMMARY



Month and Year	September 2026
Days	30
Oil Production (bbls)	35,298,137
Average Daily Oil (bbls/day)	1,176,604.57
Gas Production (MCF)	109,362,194
Average Daily Gas (MCF/day)	3,645,406
Daily Average Oil Revenue Forecast (bbls/day)	1,100,000
Oil Revenue Forecast Price ($/bbl)	57
Avg Daily Bakken-Three Forks Prod (bbls/day)	1,148,332
Bakken Production (%)	97.60
Other Production (%)	2.40
Bakken-Three Forks Wells (%)	89.90
Percentage Other Wells (%)	10.10
WTI Oil Price ($/bbl) (current)	86.59
ND Oil Price ($/bbl)	91.72
Henry Hub Price (USD/MMBtu)	3.14
Wells Permitted (October)	76
Wells Completed (October)	26
Waiting On Completion	206
Inactive Wells	1,844
Total Producing Wells	20,278
Fort Berthold Total Oil	157,296
Fort Berthold Fee Oil	55,656
Fort Berthold Trust Oil	101,640
Fort Berthold Total Rigs	4
Fort Berthold Fee Rigs	0
Fort Berthold Trust Rigs	4
Fort Berthold Total Wells	3,055
Fort Berthold Fee Wells	714
Fort Berthold Trust Wells	2,341
Fort Berthold Waiting On Completion	1
Fort Berthold Total Permits	133
Fort Berthold Fee Permits	3
Fort Berthold Trust Permits	130
North Dakota Rigs (current)	31
North Dakota Frac Crews (current)	12
Statewide Capture	95.80
Statewide Bakken Capture	96.10
Capture Goal	91
NDStateRigs	34

SEISMIC:

- Active projects: 1
- Permitted projects: 4
- Pending projects: 0
- Long Term Recording: 1

Pipeline Authority Monthly Update

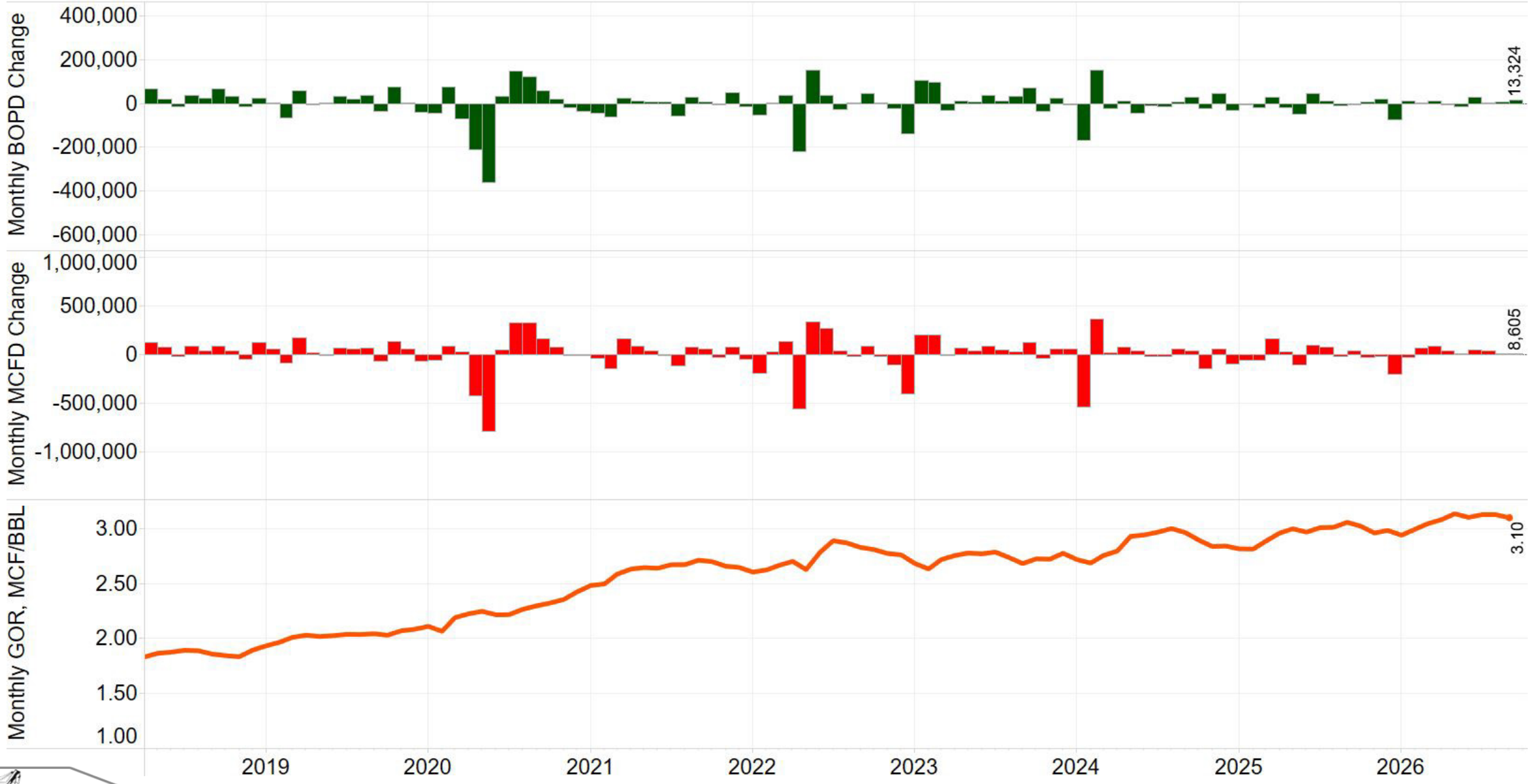
Justin J. Kringstad
Geological Engineer
Director
North Dakota Pipeline Authority

November 20, 2026

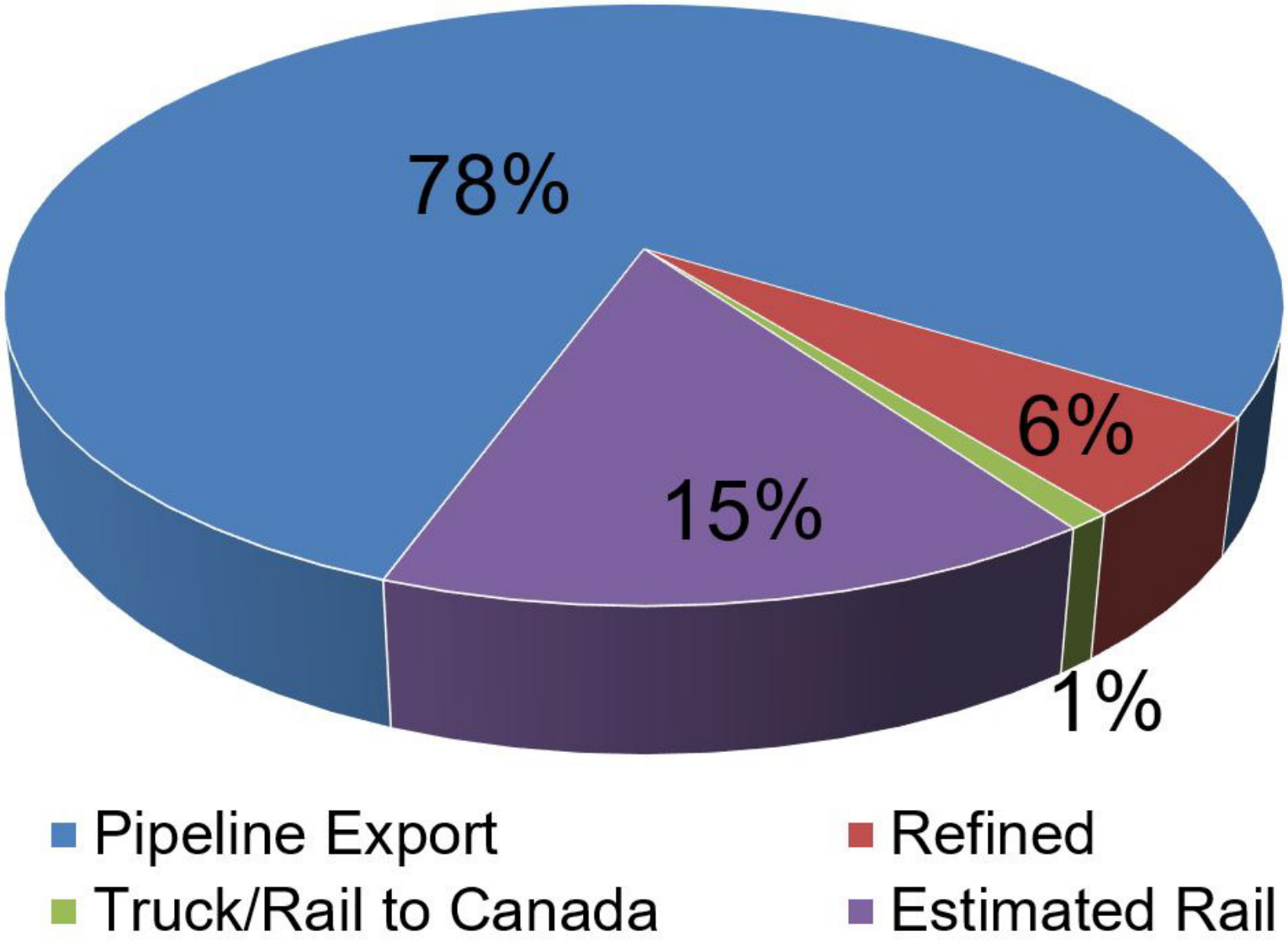
US Williston Basin Oil Production - 2026

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,130,651	72,723	2,181	1,205,555
February	1,133,601	74,882	2,176	1,210,659
March	1,142,966	75,230	2,193	1,220,389
April	1,141,984	77,451	2,519	1,221,954
May	1,125,278	72,386	2,233	1,199,897
June	1,154,795	63,963	2,148	1,220,906
July	1,158,660	64,586	2,057	1,225,303
August	1,163,280	69,552	2,152	1,234,984
September	1,176,605	71,259	2,126	1,249,989
October				
November				
December				

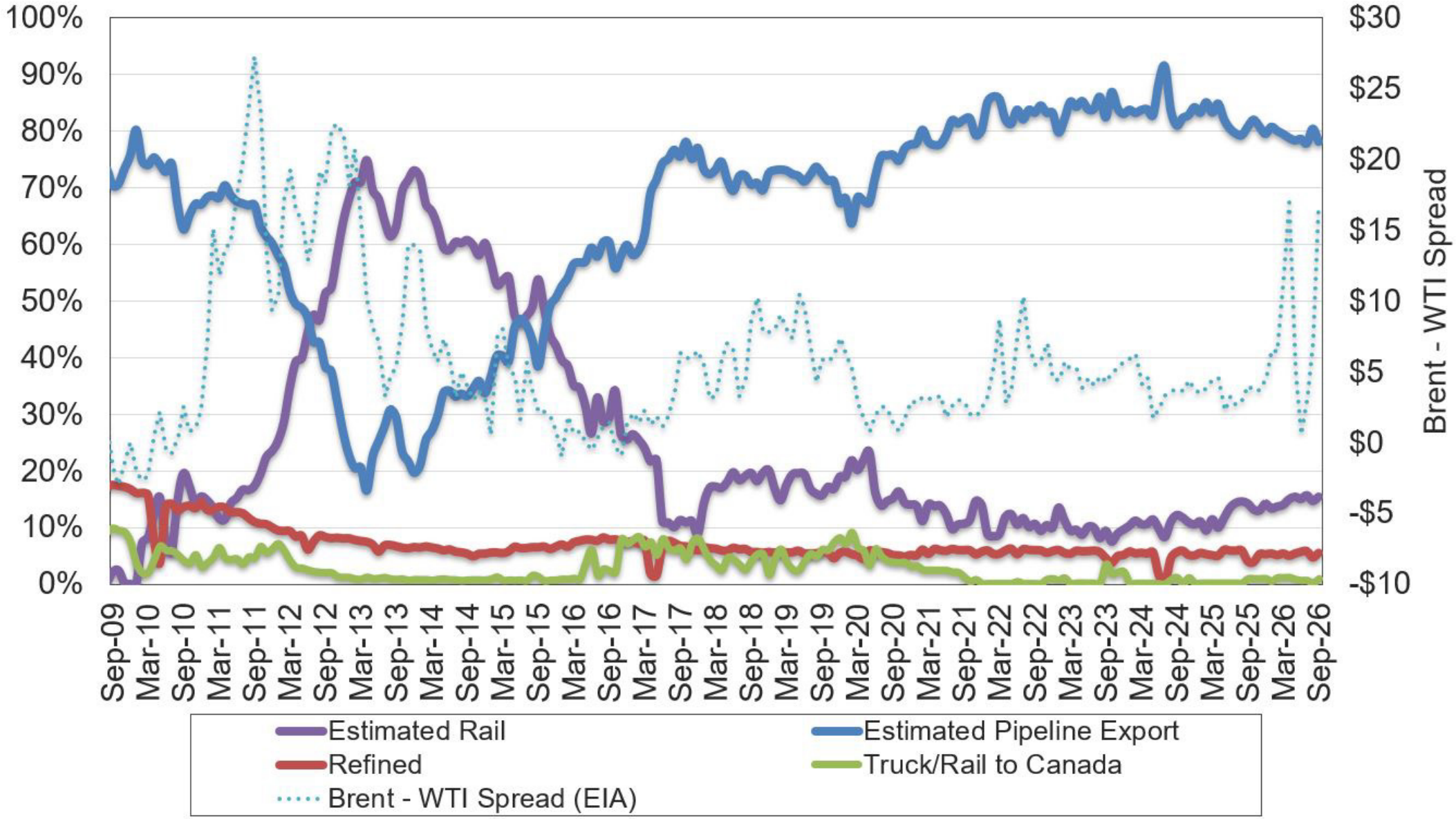
North Dakota Monthly Production Change



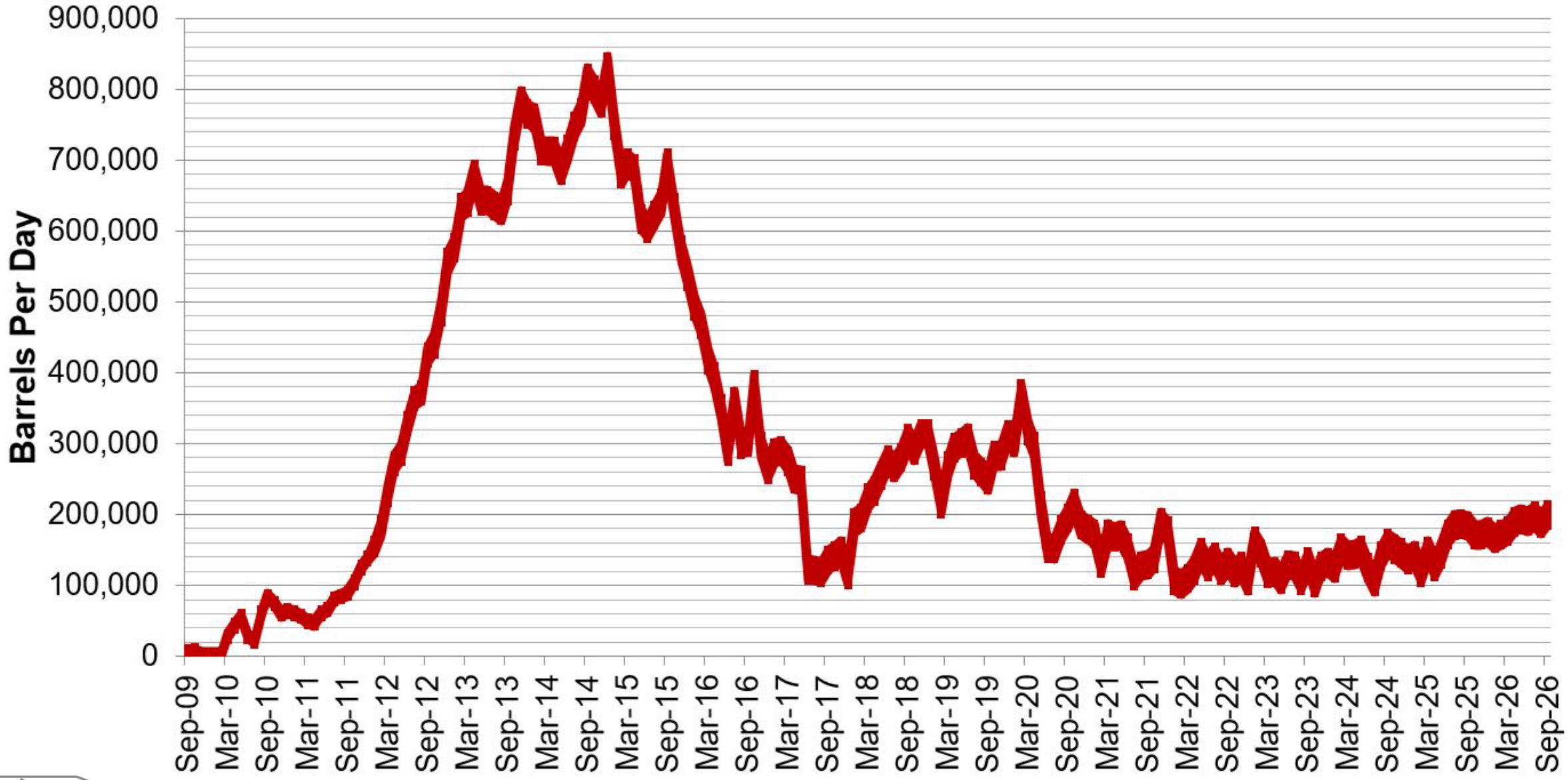
Estimated Williston Basin Oil Transportation



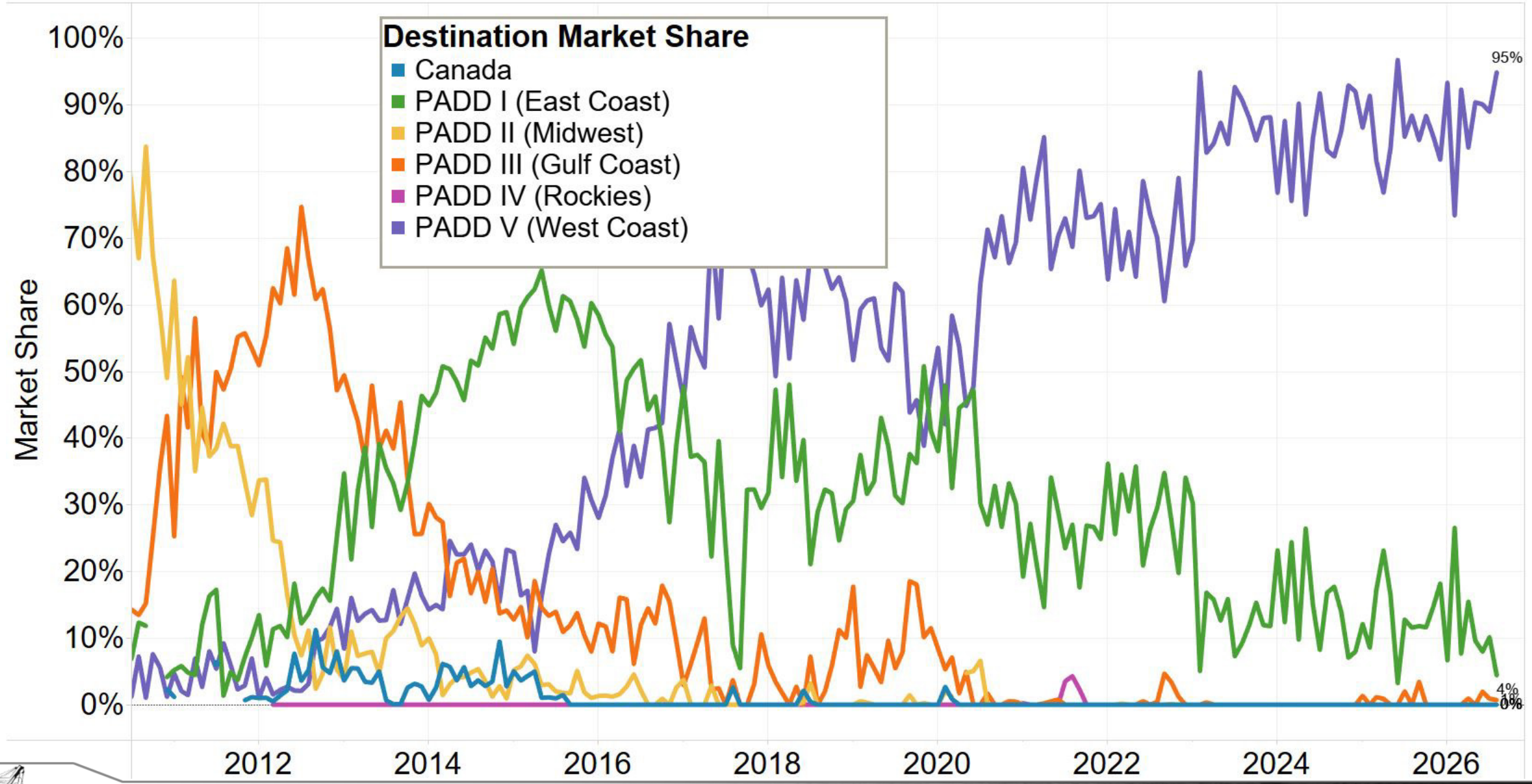
Estimated Williston Basin Oil Transportation



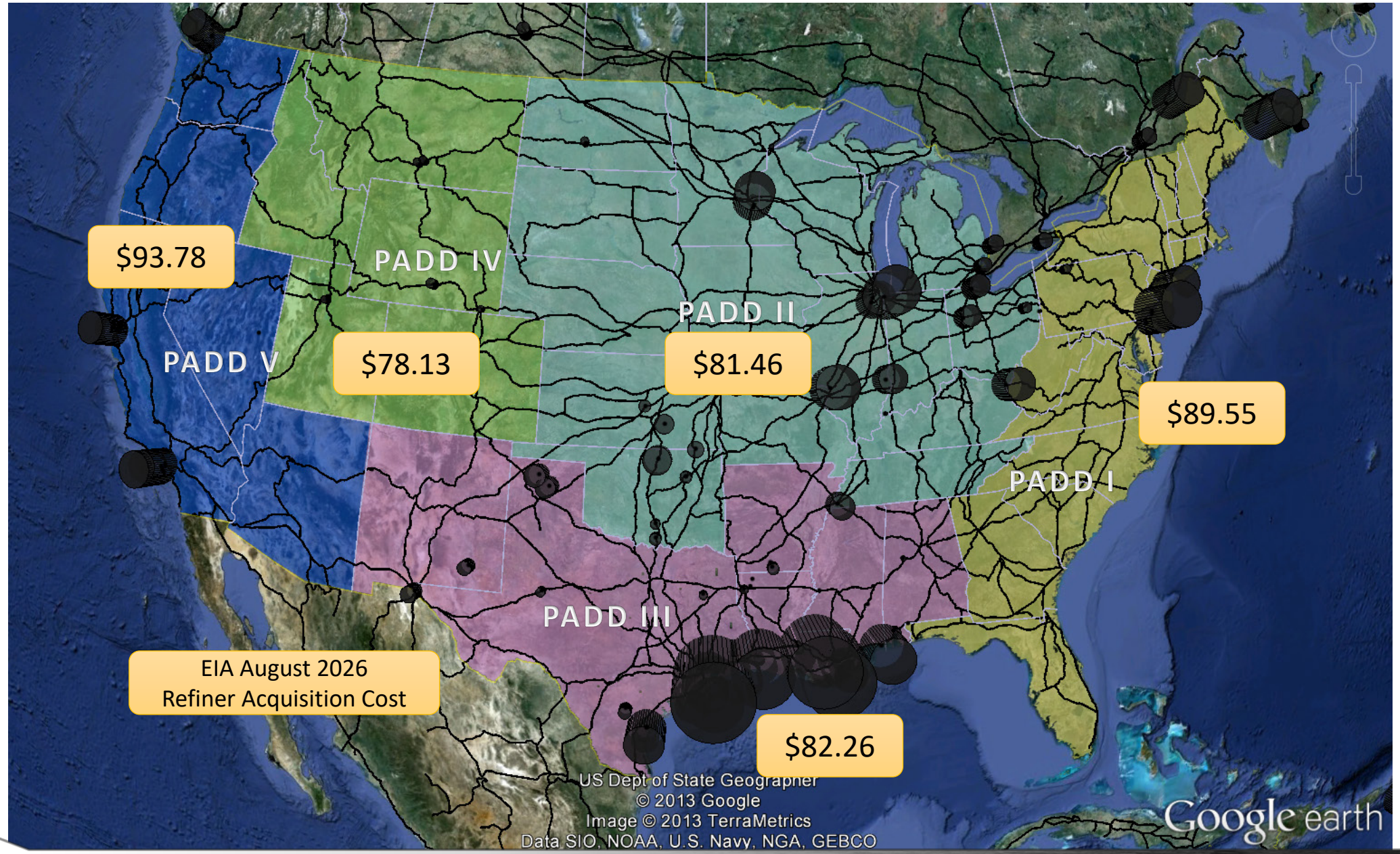
Estimated ND Rail Export Volumes



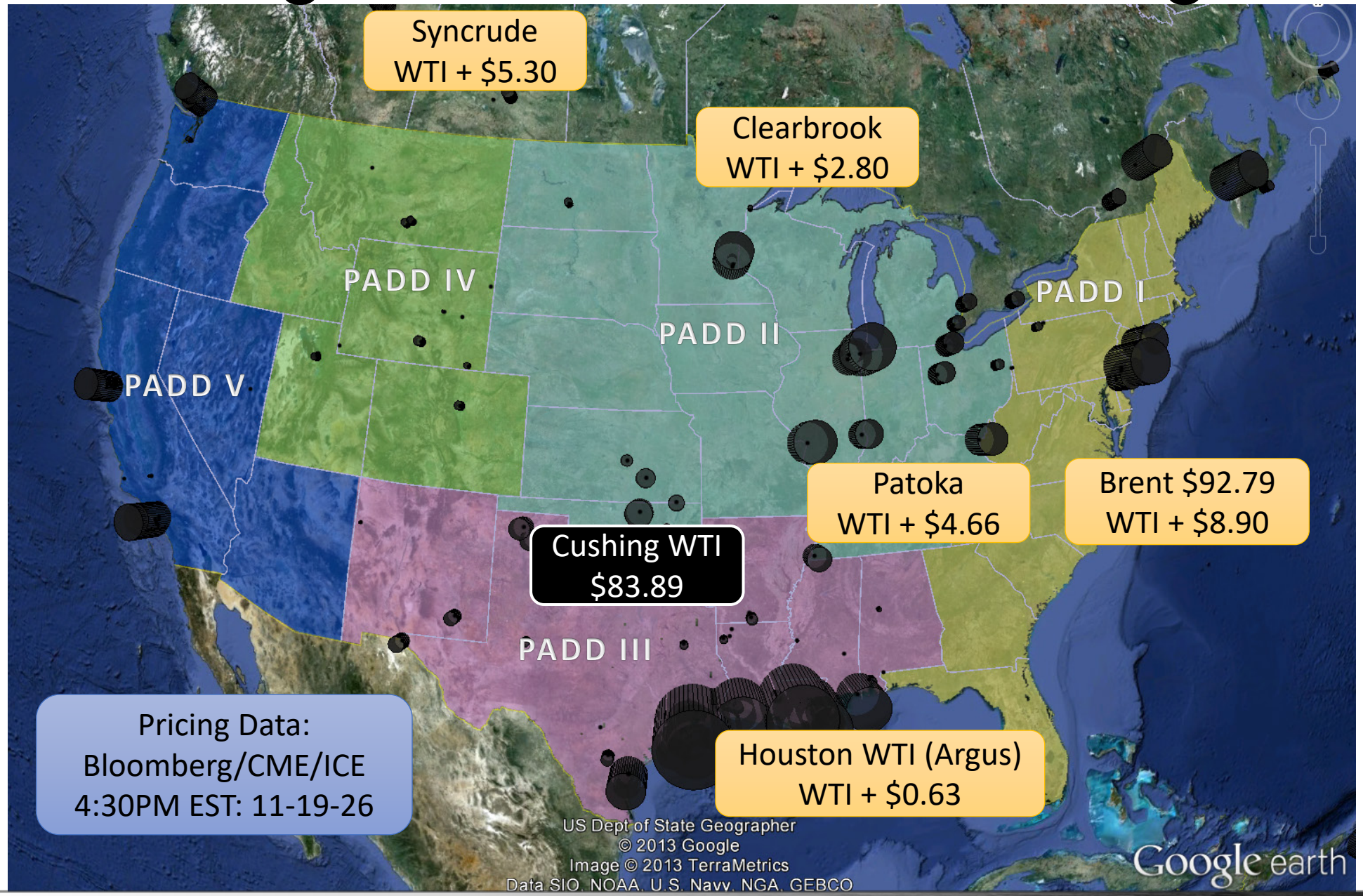
Rail Destinations Market Share (August 2026)



Major Rail Lines and Refineries



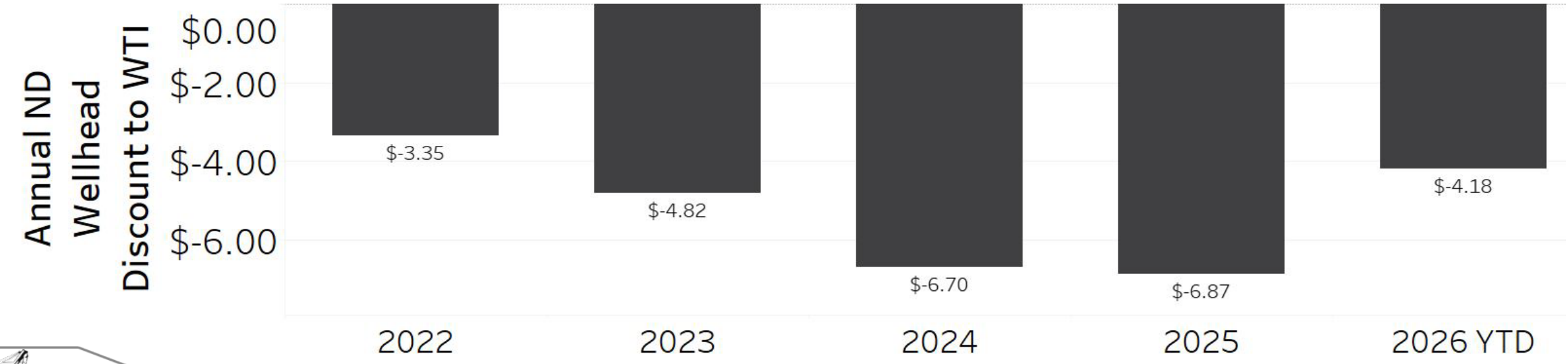
Major Pricing Benchmarks & Refining Centers



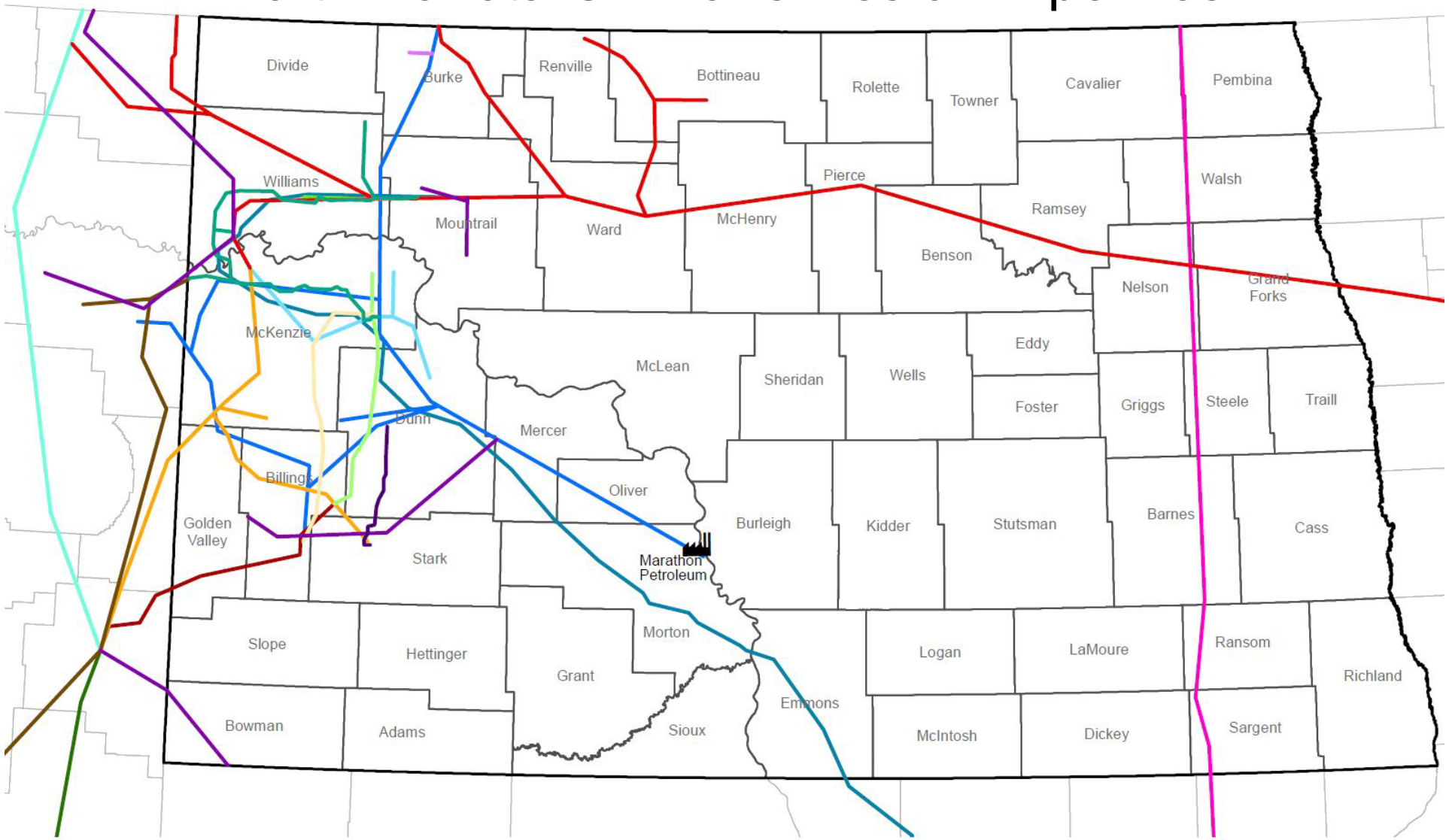
Average North Dakota Oil “Discount” to WTI



Last Five Years Annual Average

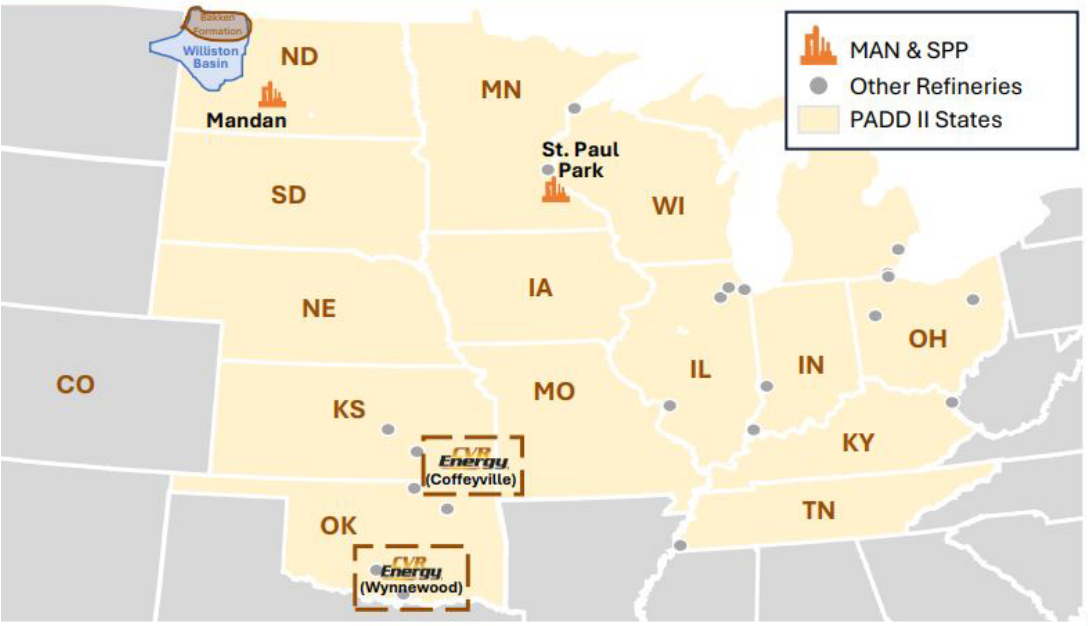


North Dakota Oil Transmission Pipelines

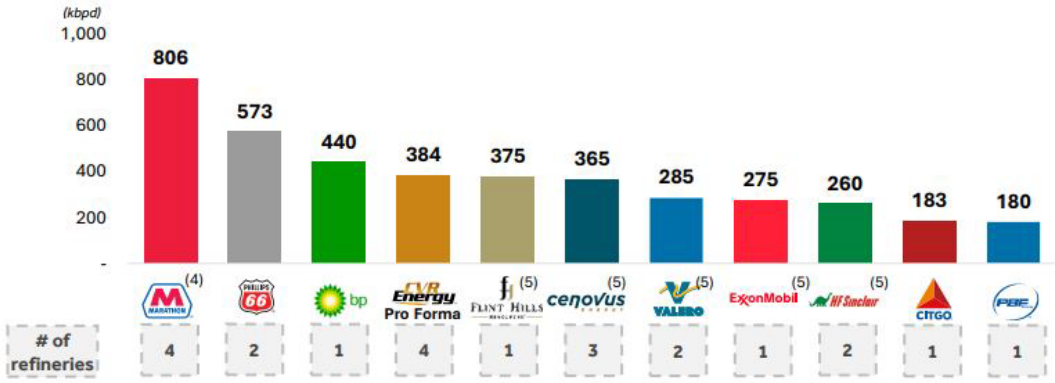


Refining Market | PADD II Refining Landscape (cont'd)

PADD II Refineries by Capacity



PADD II Refineries by Company



Overview

	Corporation	Site Name	Location	Capacity (bpd)
1	BP	Whiting	Whiting, IN	440,000
2	Flint Hills	Pine Bend	Saint Paul, MN	375,000
3	Phillips 66 [1]	Wood River	Wood River, IL	345,000
4	MPC	Catlettsburg	Catlettsburg, KY	307,000
5	ExxonMobil	Joliet	Joliet, IL	267,000
6	MPC	Robinson	Robinson, IL	253,000
7	Phillips 66	Ponca City	Ponca City, OK	228,000
8	Valero	Memphis	Memphis, TN	195,000
9	CITGO	Lemont	Lemont, IL	183,000
10	PBF Energy	Toledo	Toledo, OH	180,000
11	Cenovus	Lima	Lima, OH	170,000
12	Cenovus	Toledo	Toledo, OH	151,000
13	MPC	Detroit	Detroit, MI	146,000
14	HF Sinclair	El Dorado	El Dorado, KS	135,000
15	CVR Energy	Coffeyville	Coffeyville, KS	132,000
16	HF Sinclair	Tulsa	Tulsa, OK	125,000
17	CHS	McPherson	McPherson, KS	115,000
18	CVR Energy	St. Paul Park	Saint Paul, MN	105,000
19	MPC	Canton	Canton, OH	100,000
20	Valero	Ardmore	Ardmore, OK	90,000
21	CVR Energy	Wynnewood	Wynnewood, OK	74,500
22	CVR Energy	Mandan	Mandan, ND	72,000
	Other [3]			78,500
	Total			**4,267,000**

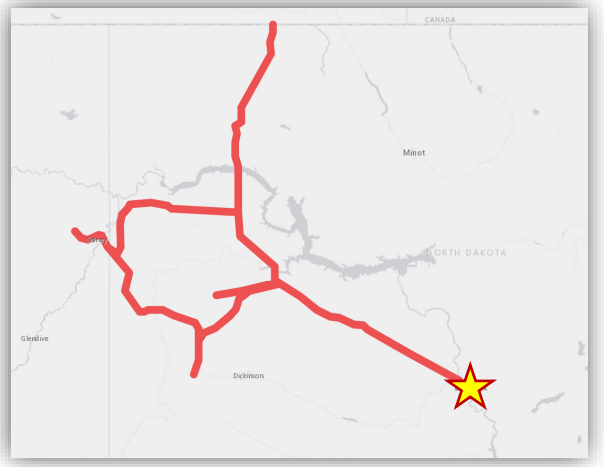
Combined Capacity: 384 mbpd

Source: Public company filings, Oil & Gas Journal, U.S. Energy Information Administration.

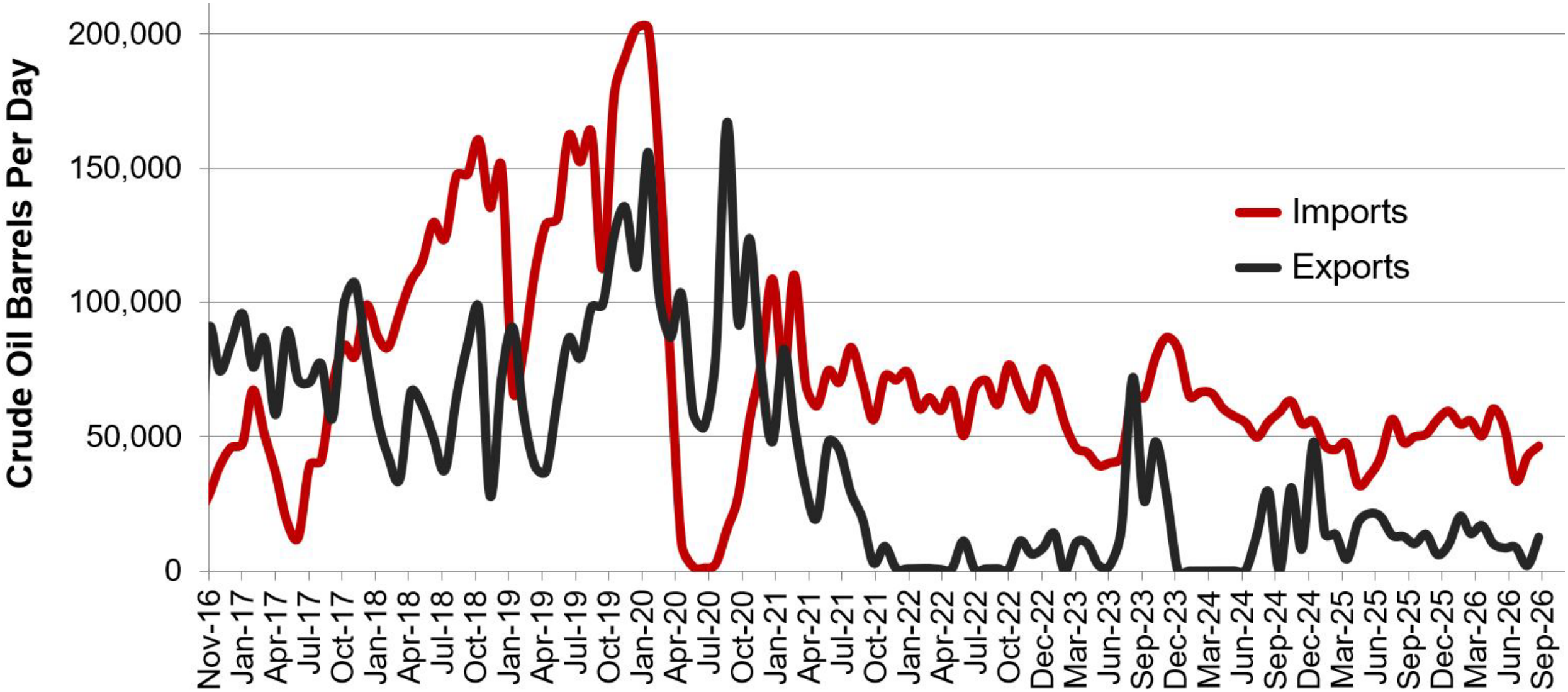
1. Wood River is owned by WRB Refining LP. Phillips 66 acquired Cenovus's 50% interest; shown at 100%.
2. Comprises HF Sinclair's Tulsa East and Tulsa West facilities, which EIA reports separately.
3. Sites below 60,000 bpd: Superior, WI (Cenovus: 44,000 bpd) and Mount Vernon, IN (CountryMark: 38,000 bpd).
4. Represents Pro Forma MPC refining capacity.
5. Represents total throughput capacity as of latest annual company filing. Company does not disclose crude oil capacity by region.

Source: CVR 11-3-2026 Earnings Call

Important Note:
MPLX Tesoro High Plains Pipeline System Not Included in Sale

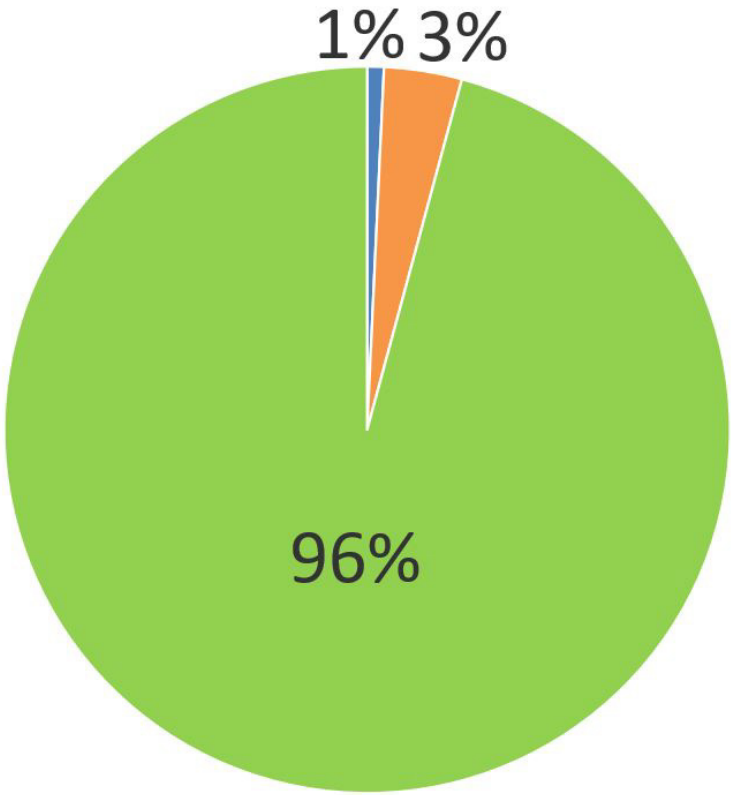


Williston Basin Imports and Exports with Canada



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

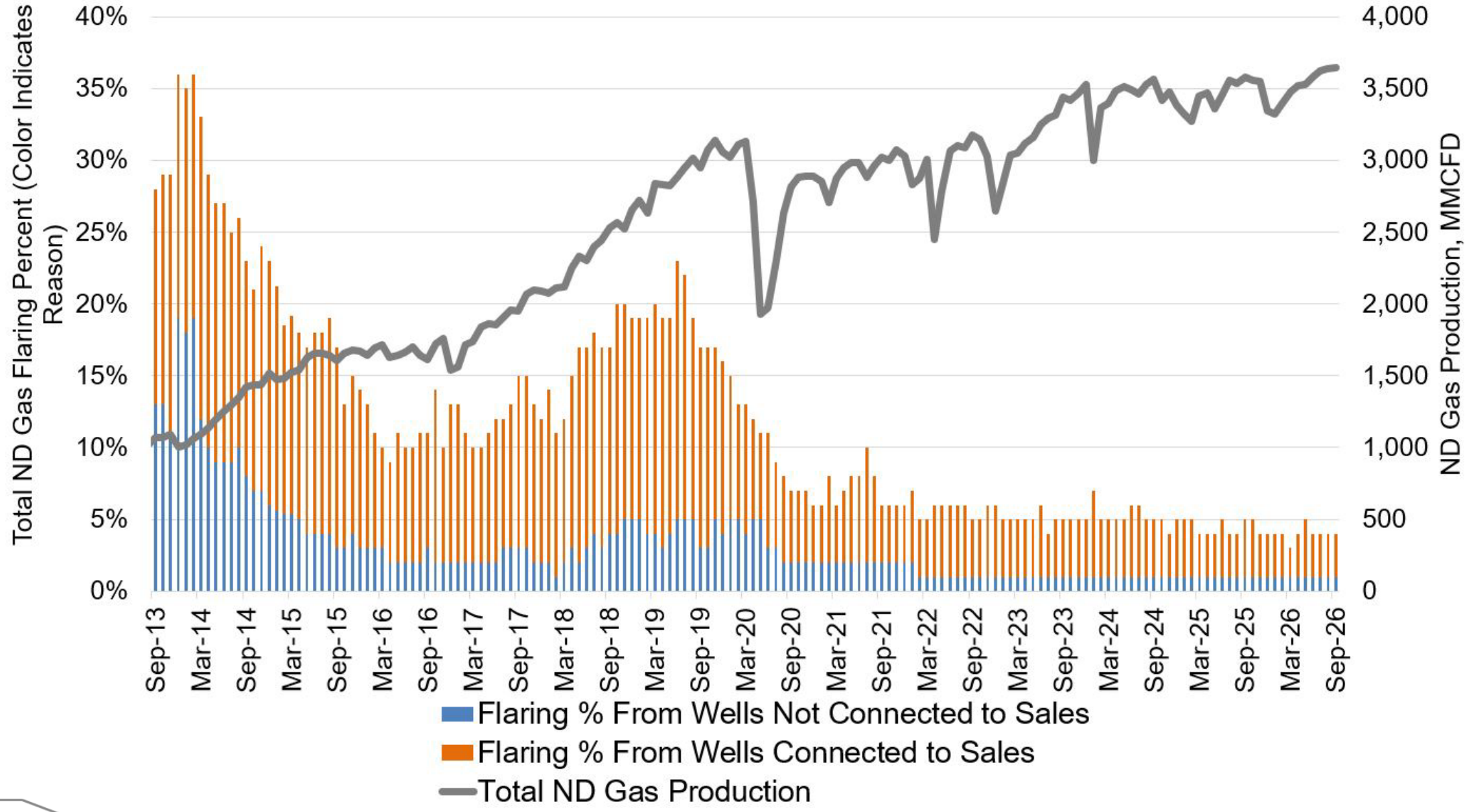
GREEN – % of gas captured and sold
Blue – % flared from zero sales wells
Orange – % flared from wells with at least one mcf sold.

Simple Terms

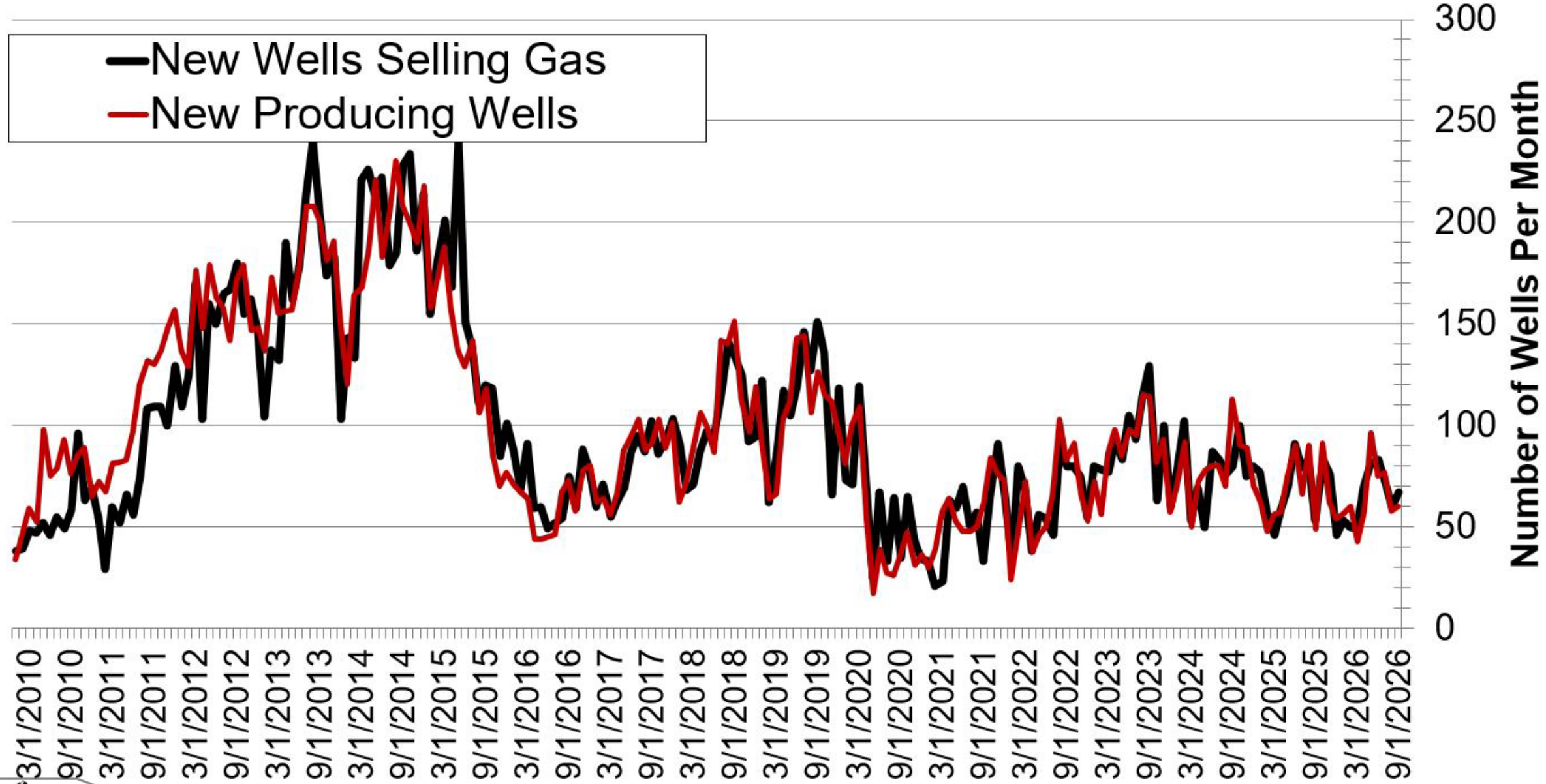
Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Sep. 2026 Data – Non-Confidential Wells

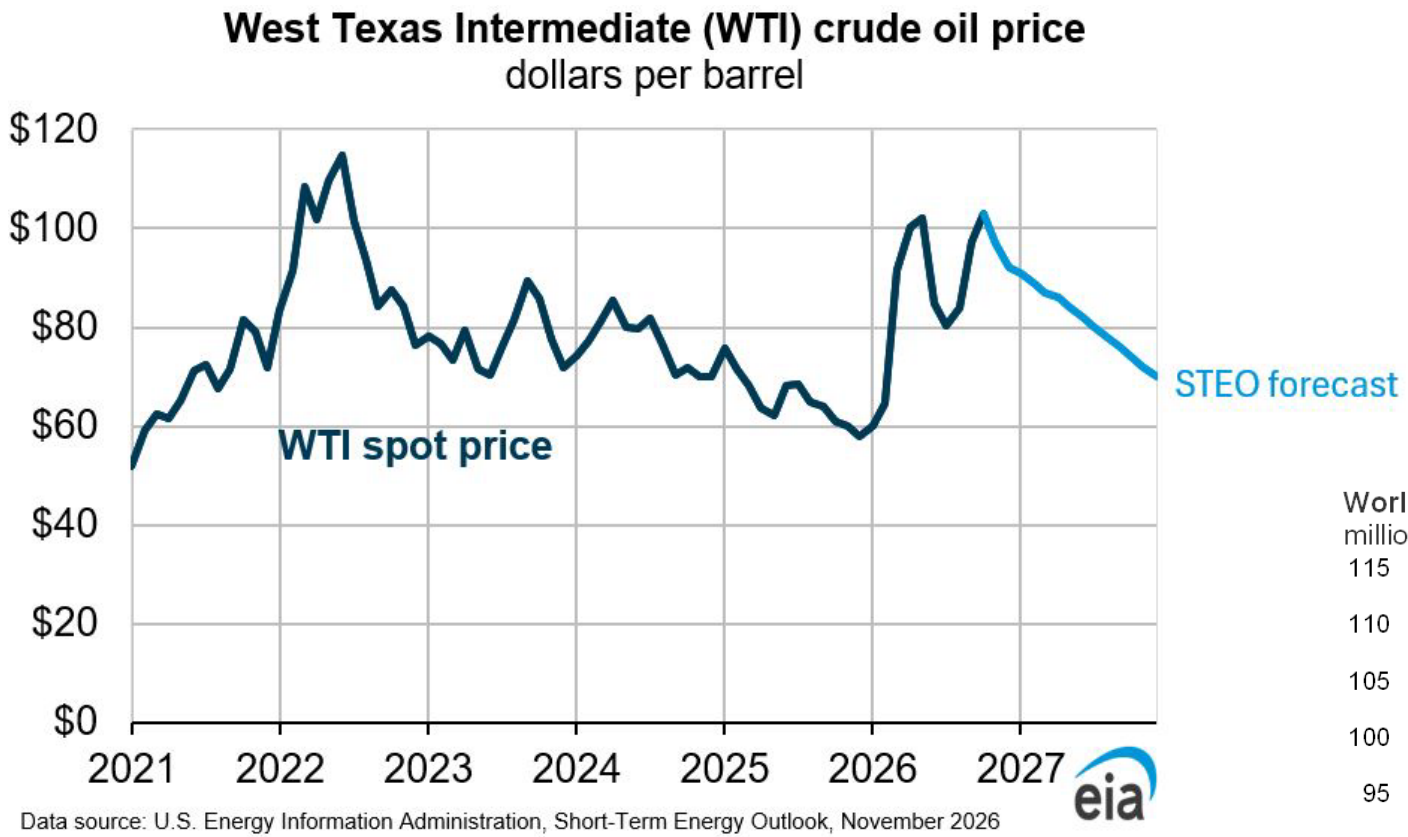
Solving the Flaring Challenge

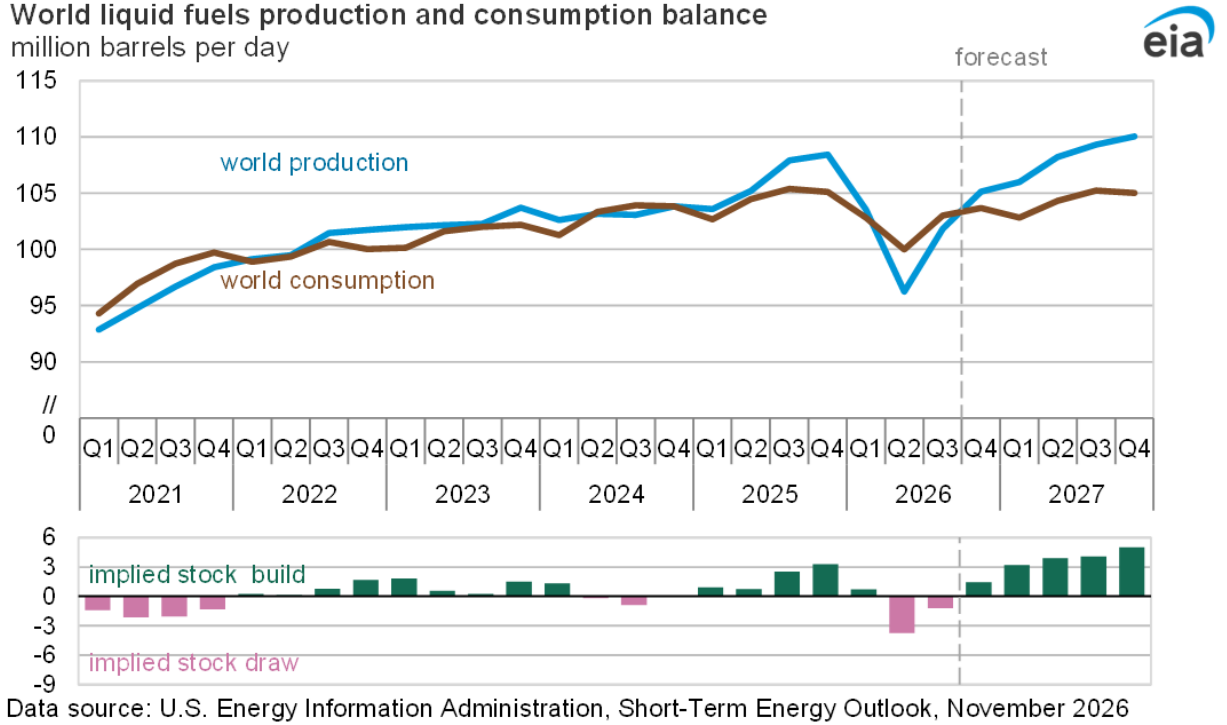


Solving the Flaring Challenge

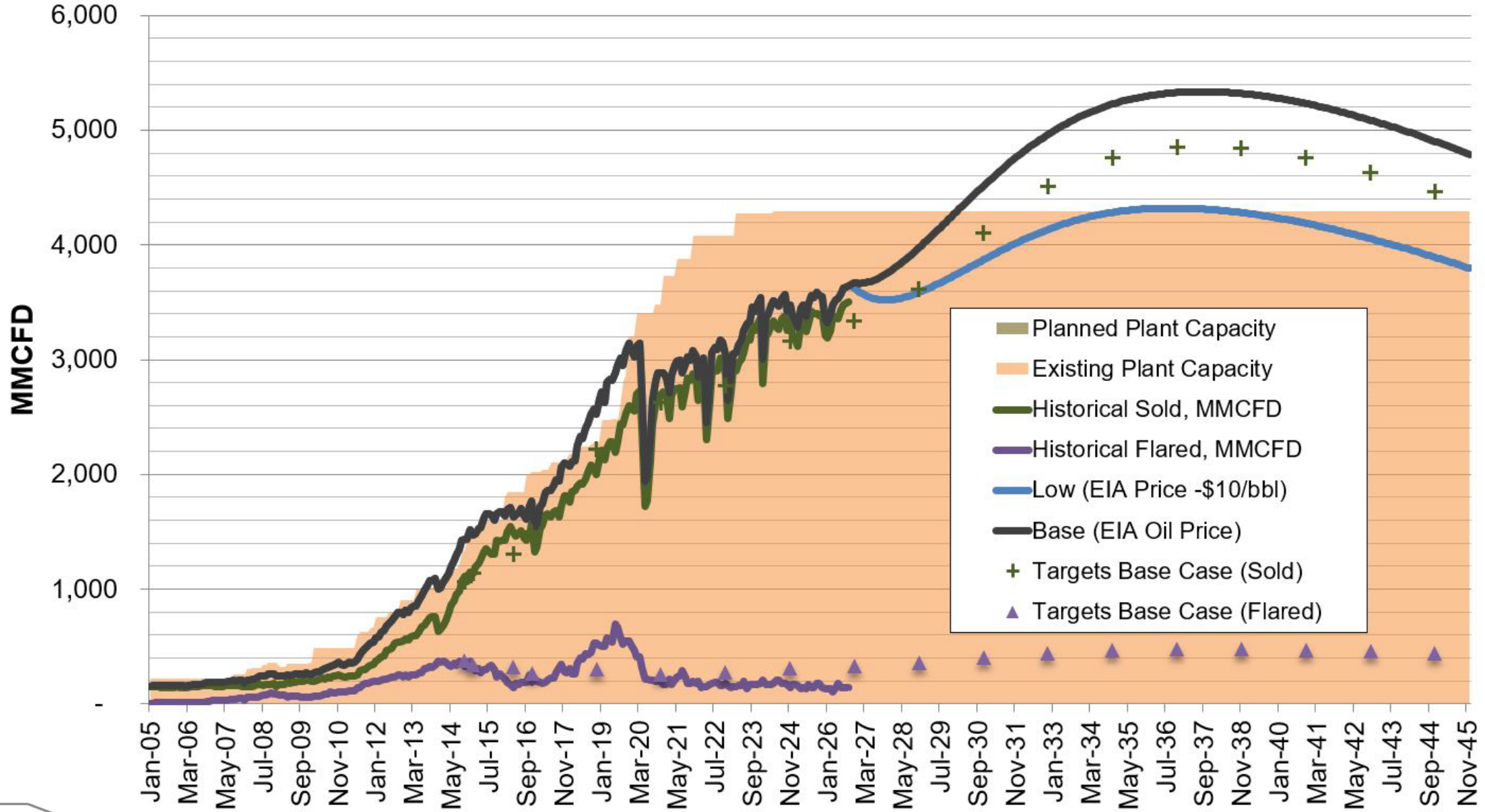


EIA Oil Price Outlook (November 5, 2026)

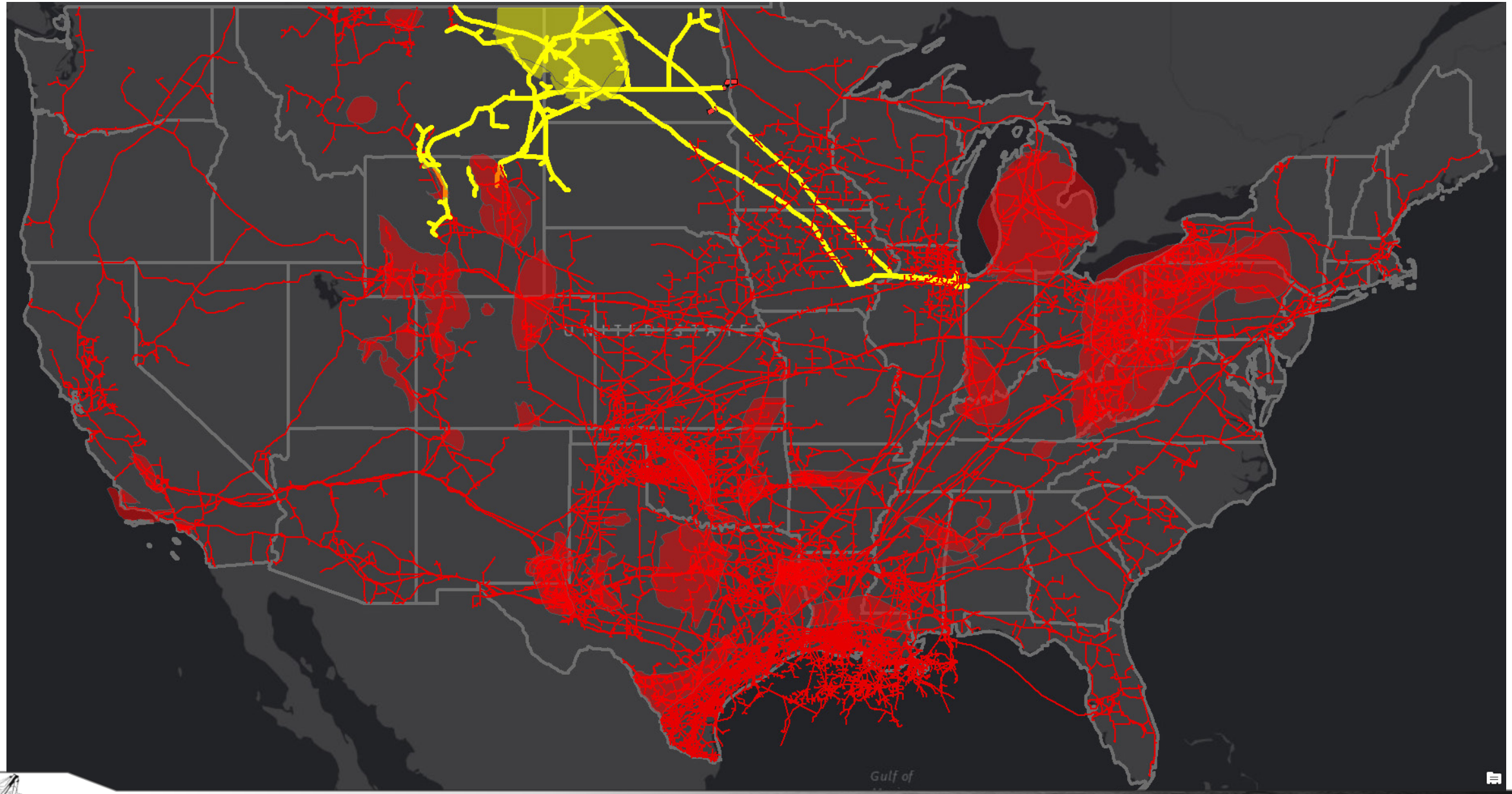




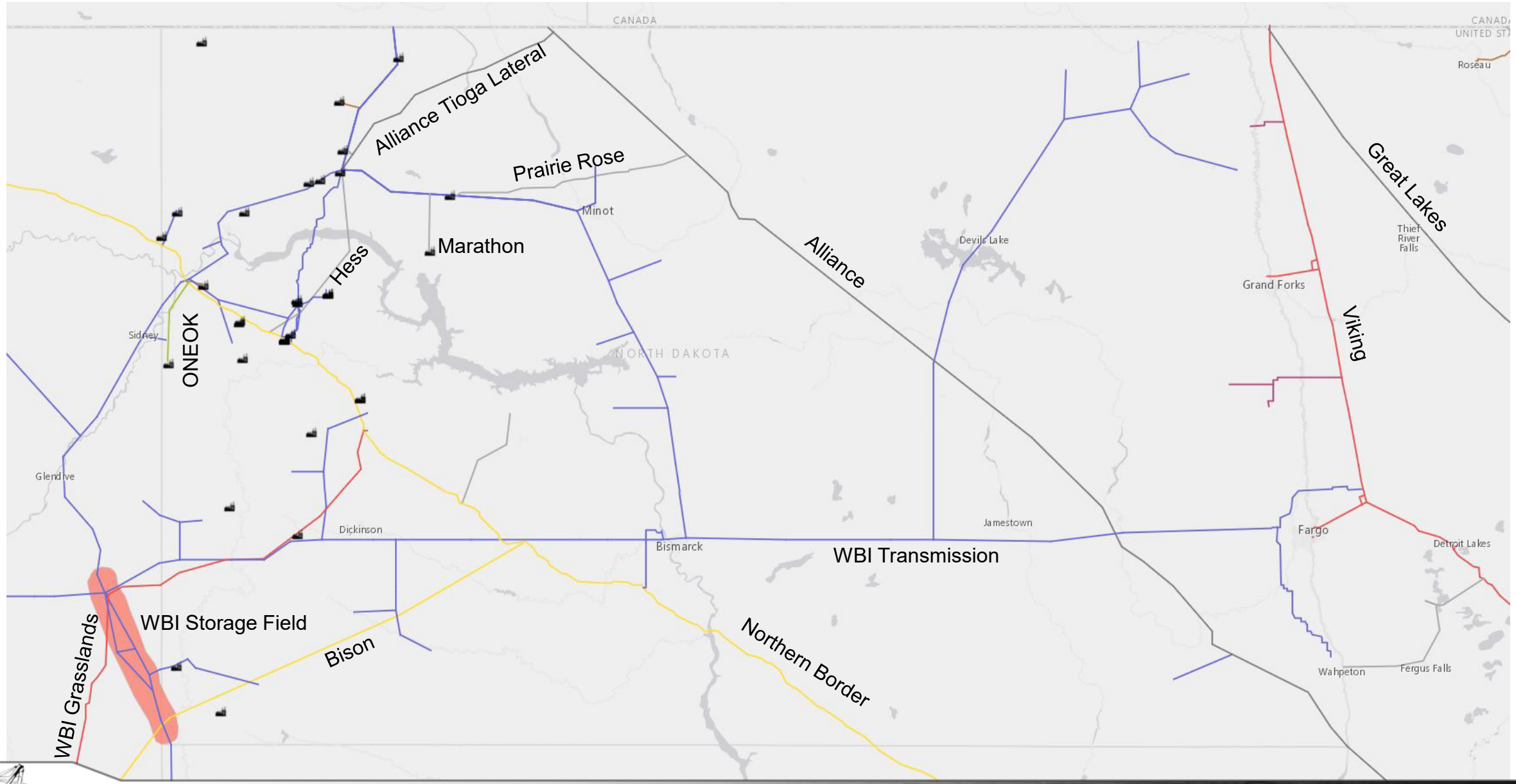
North Dakota Gas Processing Outlook



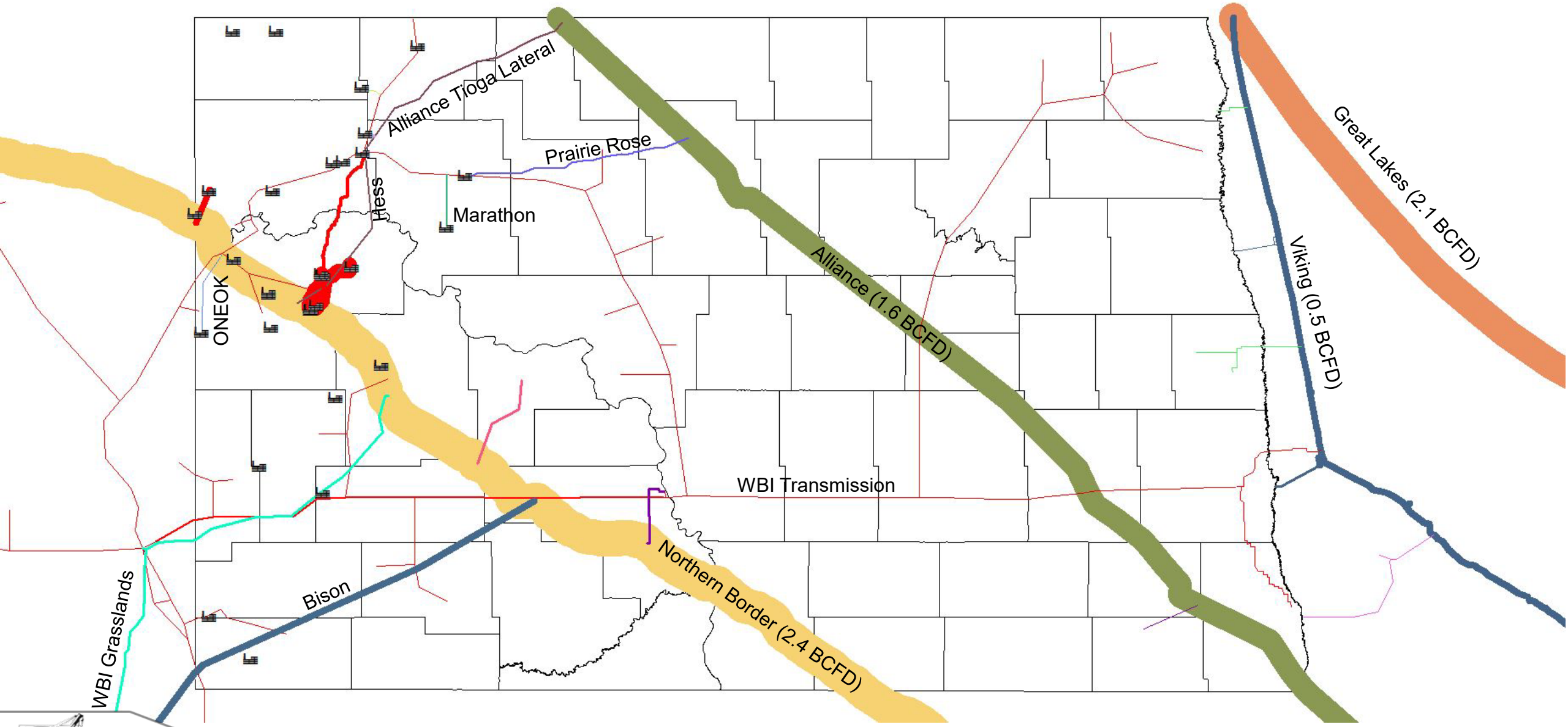
Bakken Natural Gas Infrastructure



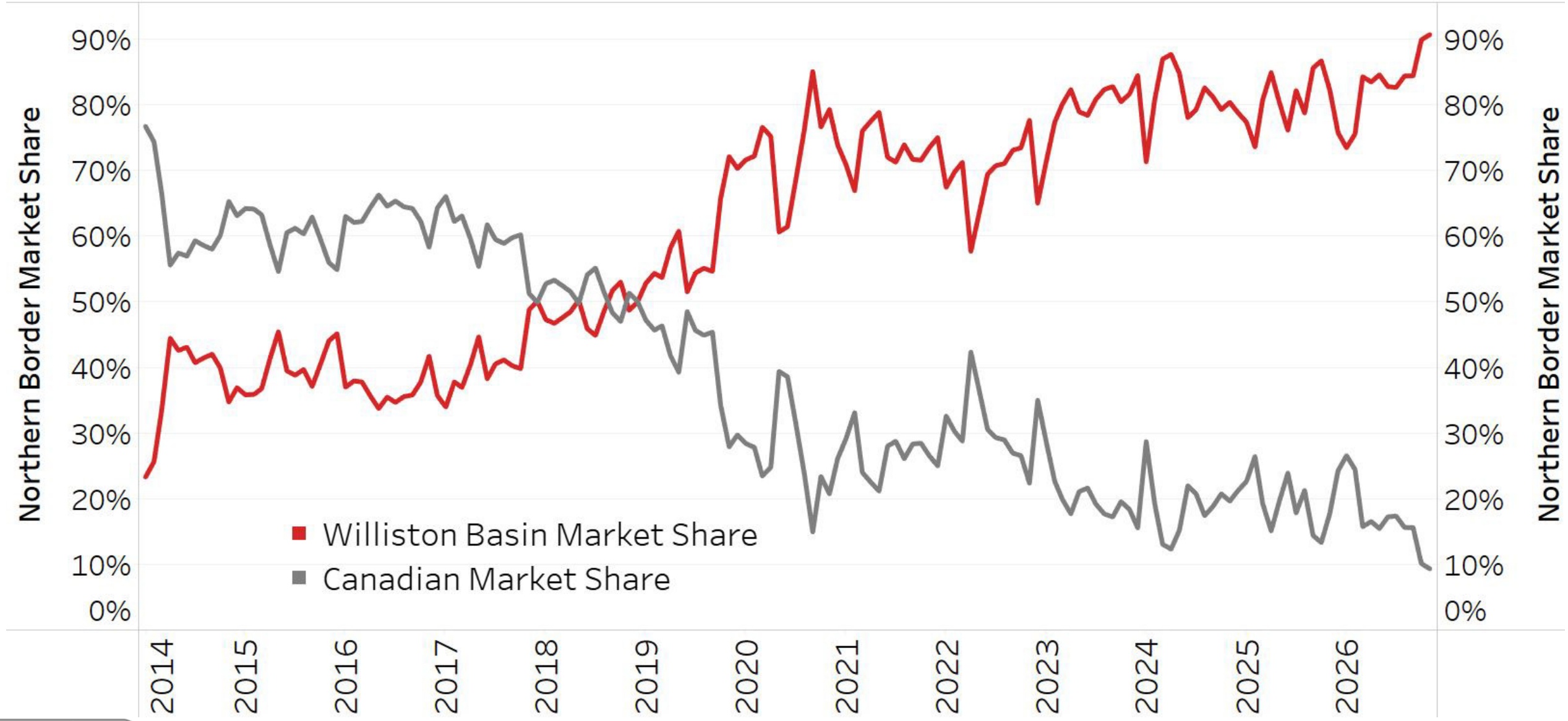
Major Residue Gas Pipeline Infrastructure



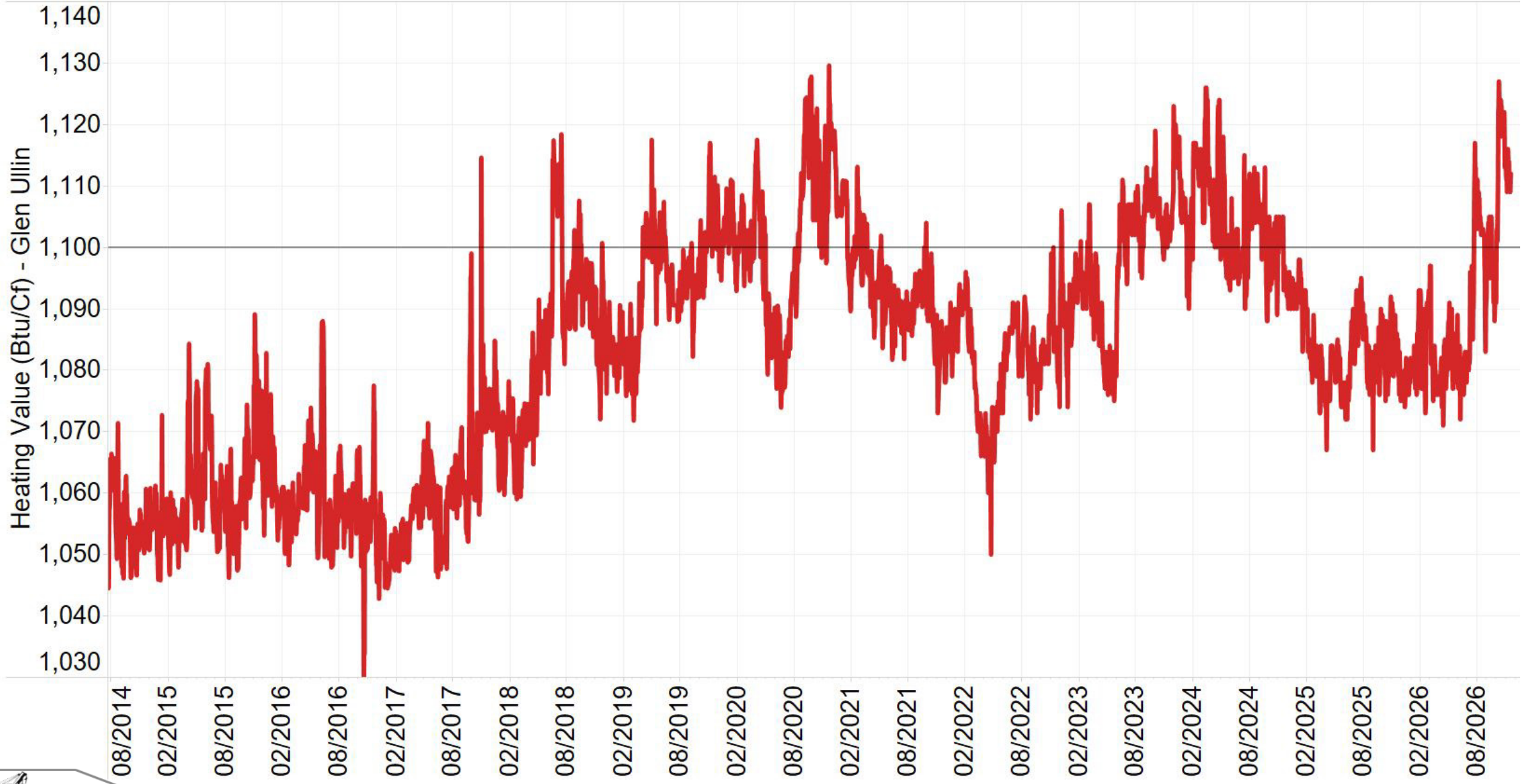
Residue Gas Pipeline Capacity Visualization



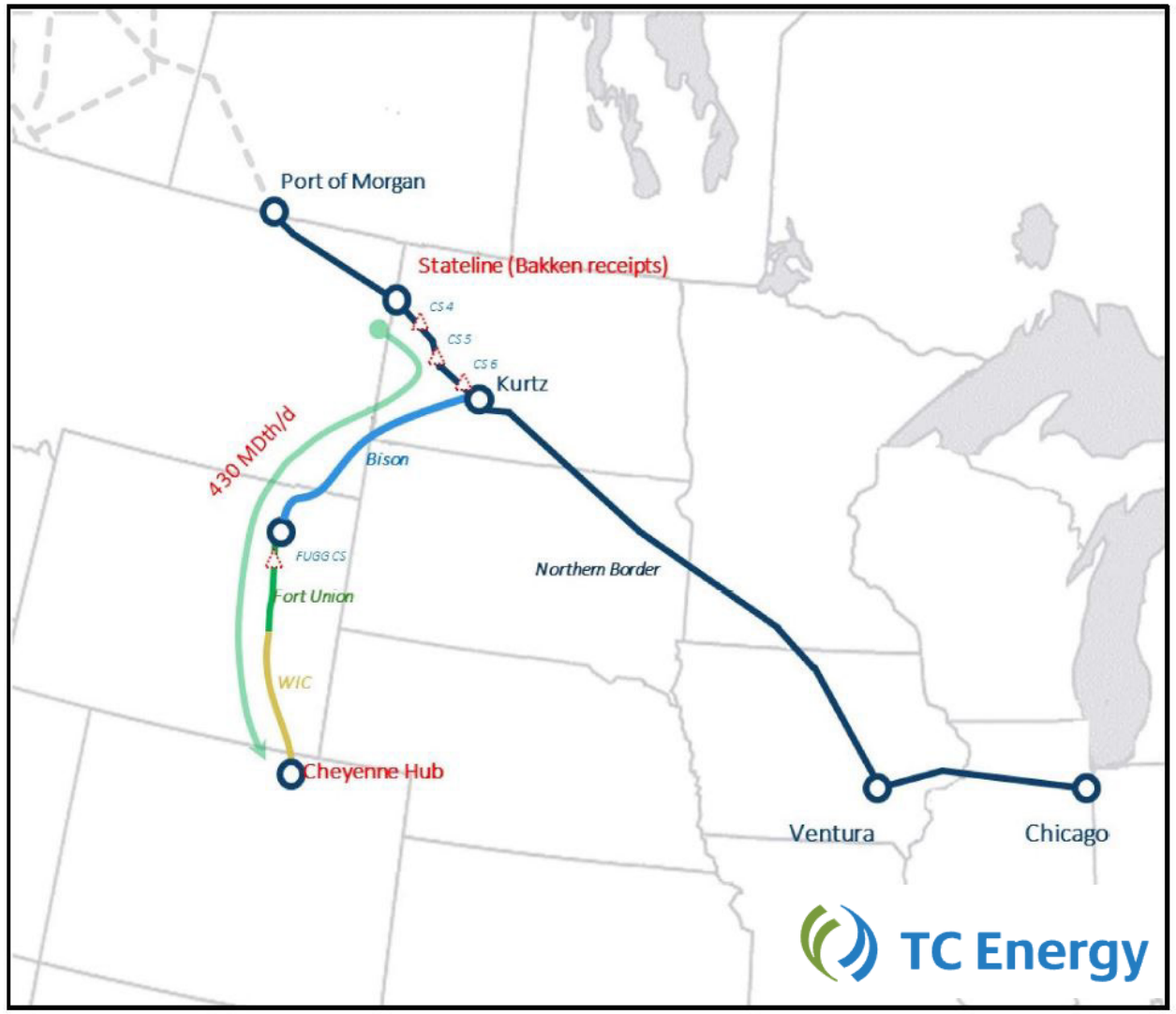
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



TC Energy / Kinder Morgan: Bakken xPress Project



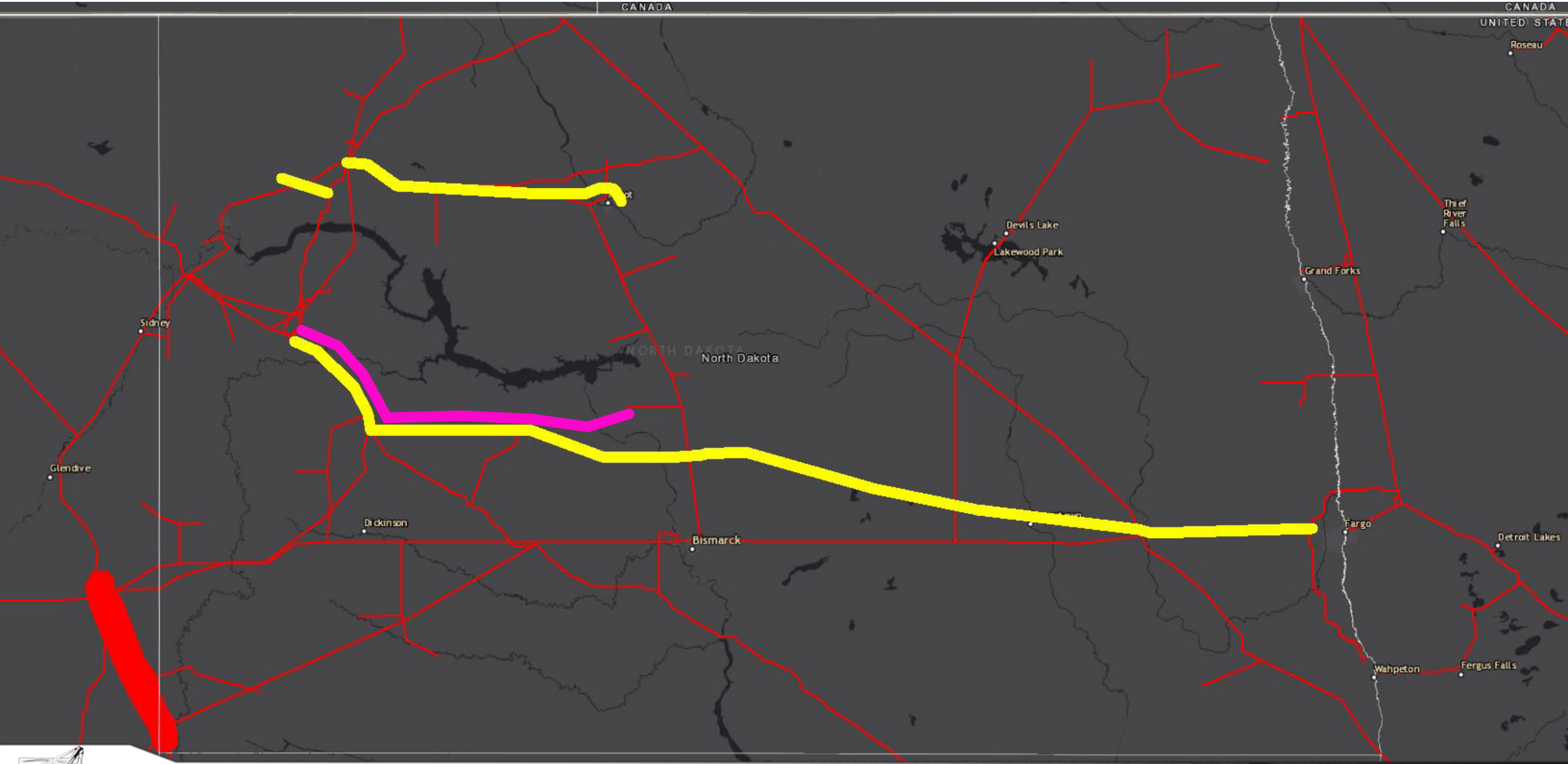
Project Highlights

- 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 **(DELAYED)**
- 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

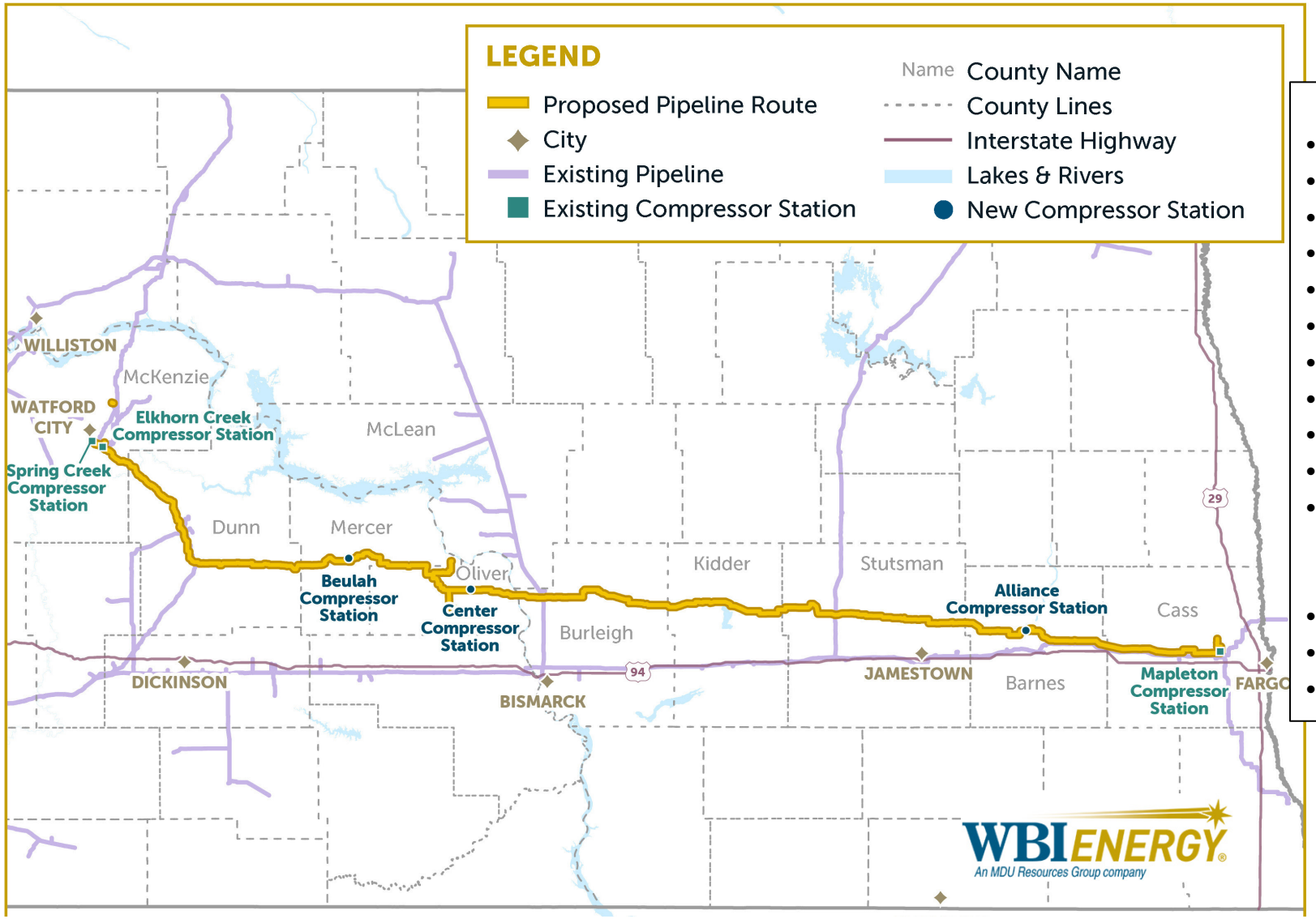
Proposed Rates

- NBPL/Bison $0.45/Dth + Fuel/Elec to WIC/FUG Interconnect
- WIC/FUG to Cheyenne $0.30/Dth + Fuel/Elec

Beyond 2026: Gas Transmission Projects



WBI Energy: Proposed Bakken East Project



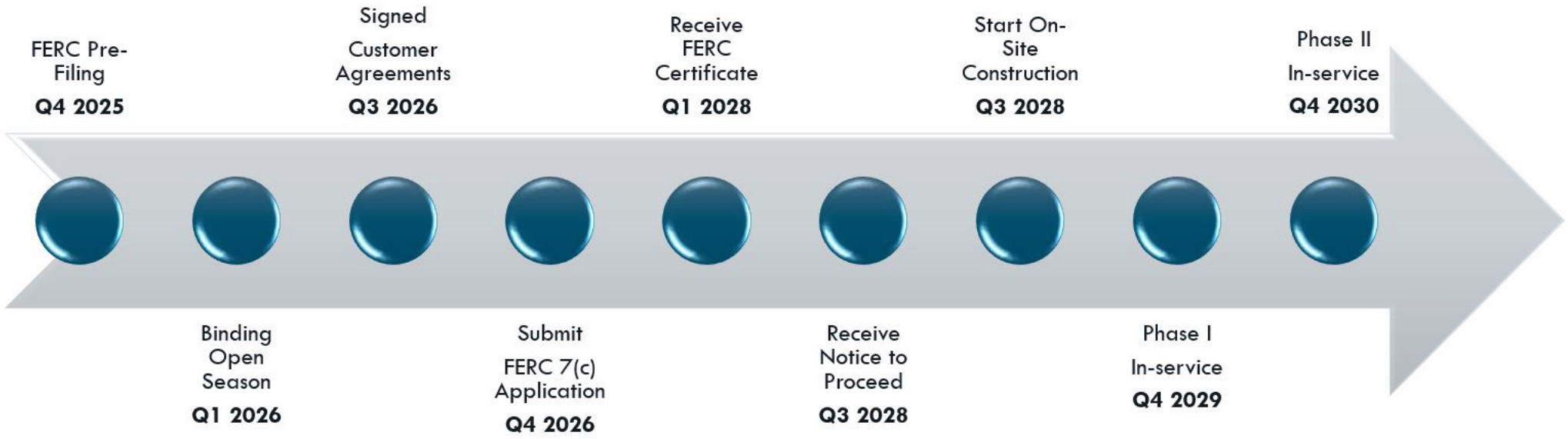
Natural Gas Pipeline Project Highlights

- Non-binding open season Dec 16 – Jan 31, 2025
- Binding open season Feb 2 – Mar 12, 2026
- 134 Miles: 42” Pipe
- 162 Miles: 36” Pipe
- 57 Miles: 30” Pipe
- 20 Miles: 20”-30” Pipe (Laterals)
- Compression: ~89,000 HP
- Proposed Capacity 1,400,000 to 1,700,000 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

Bakken East Major Milestone Schedule



Intensity Infrastructure Partners Proposed Pipeline



Phase 1 Project Highlights

- Non-binding open season Feb 3 – Mar 7, 2025
- 136 Miles: 36” Pipe
- Proposed Capacity 1,100,000 Dth/Day
- July 2029 targeted in-service
- Seeking commitments 10yrs or Longer

Phase 1 Estimated Rates

- Sub-$0.40/Dth + Fuel/Electric/Commodity
- Anchor Shipper Minimum: 100,000 Dth/Day
- Foundation Shipper Minimum: 250,000 Dth/Day

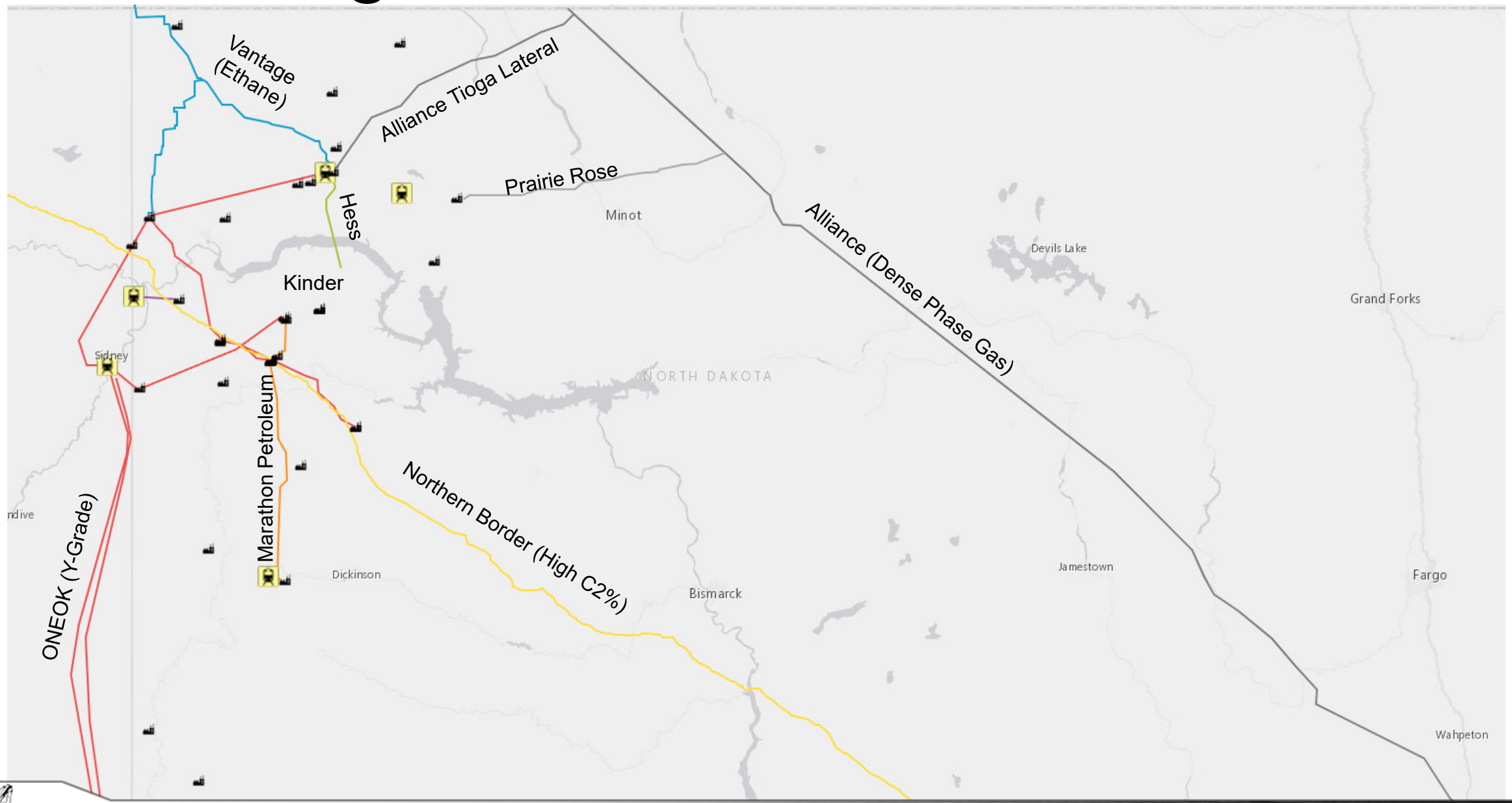
Phase 2 Project Highlights

- 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

Regional NGL Infrastructure



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E-mail: jjkringstad@ndpipelines.com

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