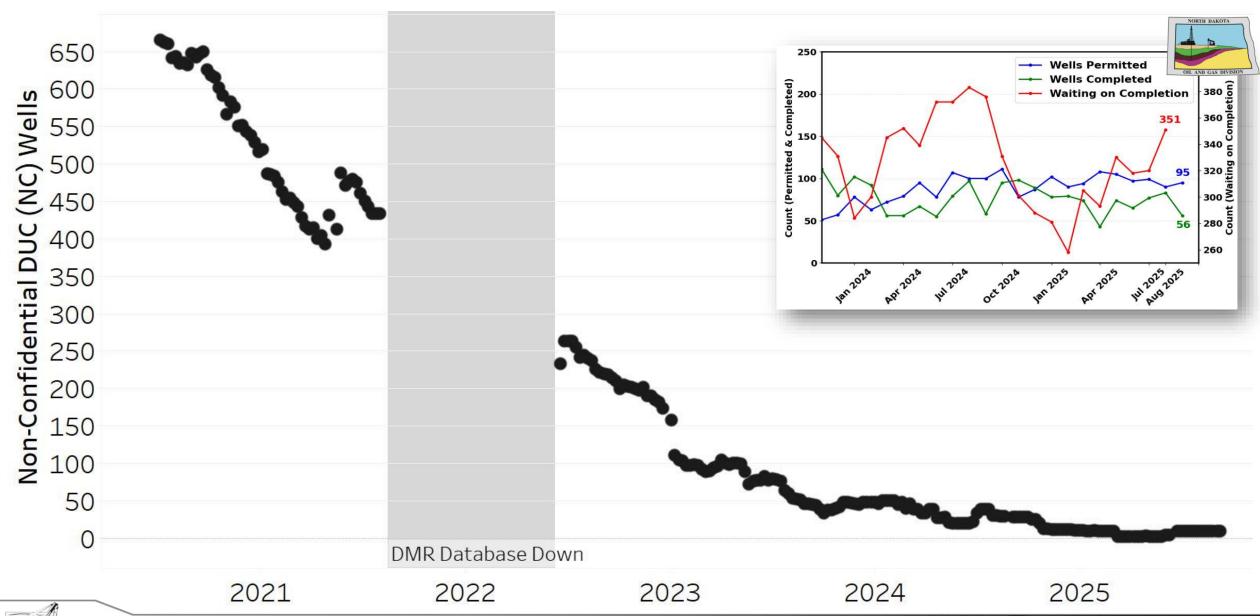


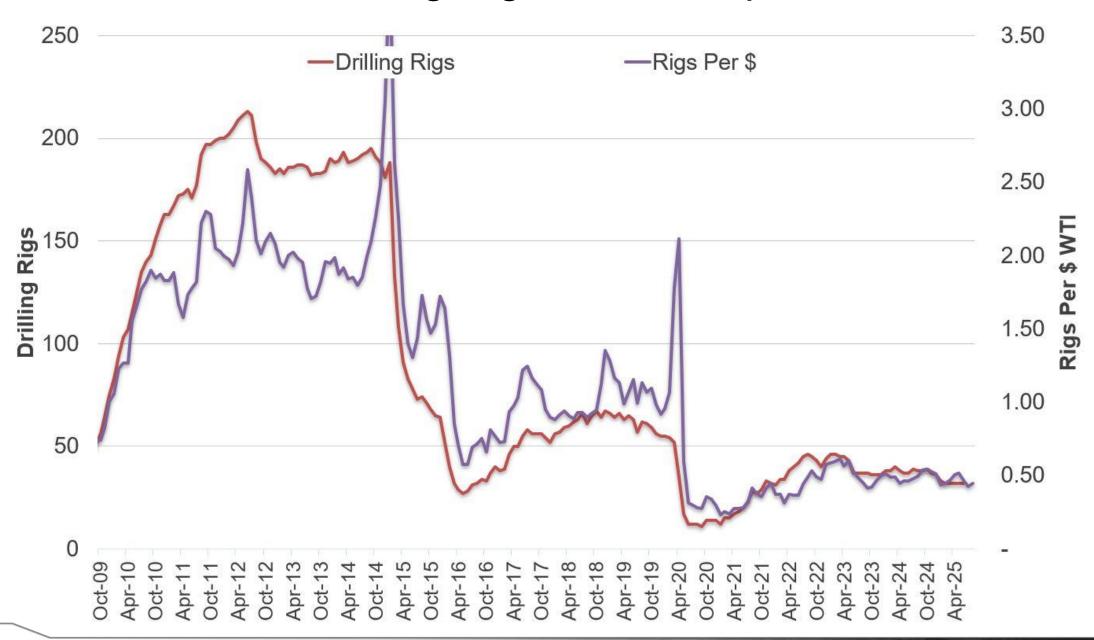
North Dakota Drilling Rigs: 33 (November 5, 2025)



North Dakota DUC/NC Well Counts

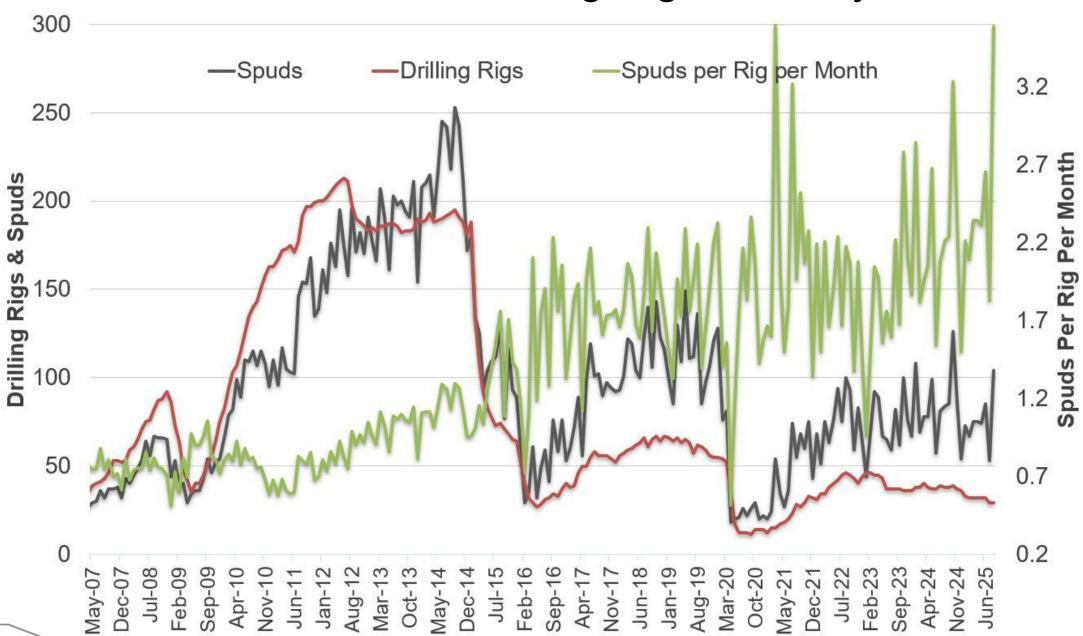


North Dakota Drilling Rig Relationship With Oil Price





North Dakota Drilling Rig Efficiency

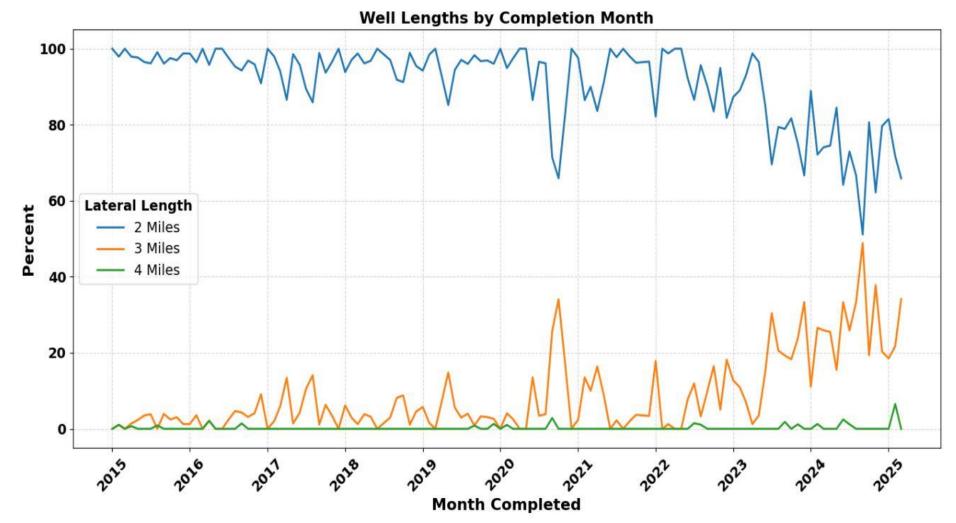






LATERAL LENGTHS OVER TIME





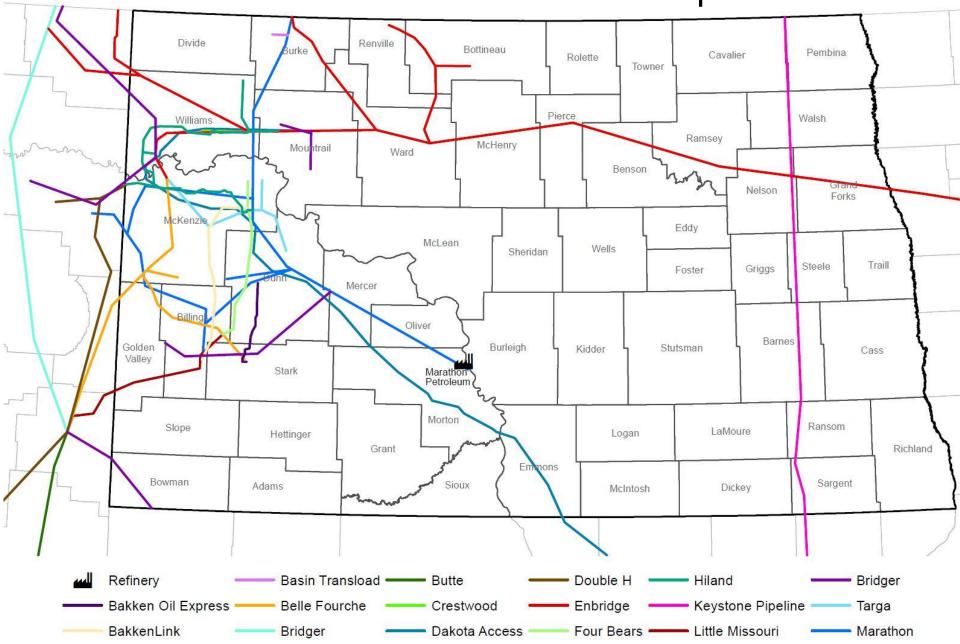
- The total percentage of 2-mile laterals is ~65%
- The total percentage of 3-mile laterals is ~35%
- 4-mile lateral development began in 2024 and is in its infancy, but we continue to see an increase in 4-mile permits

Lateral Length Categorization:

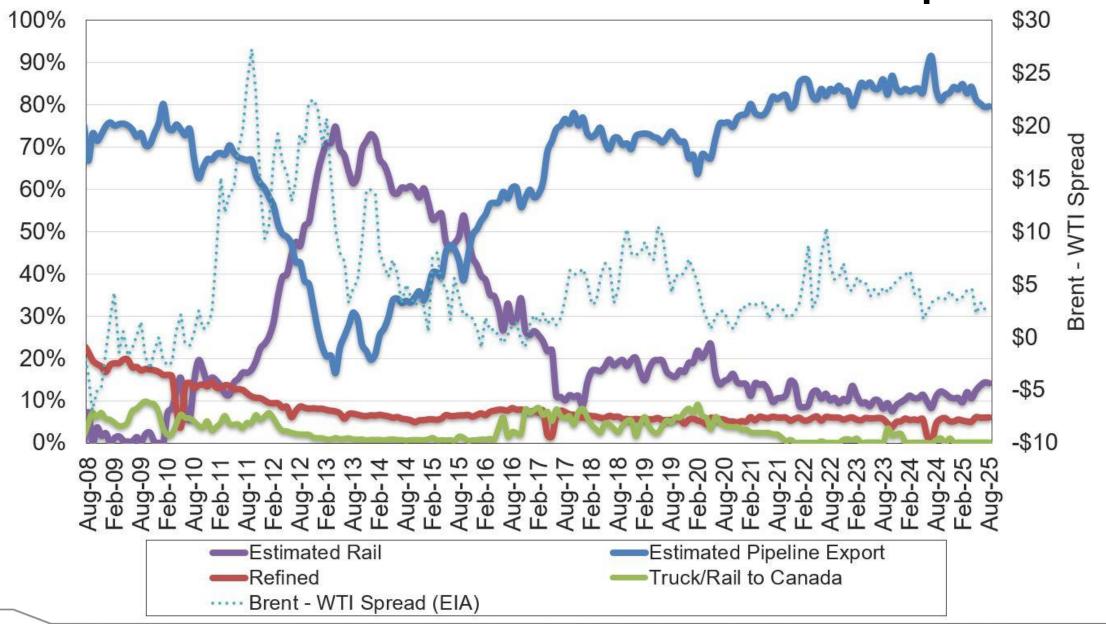
(First to last perforation)

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

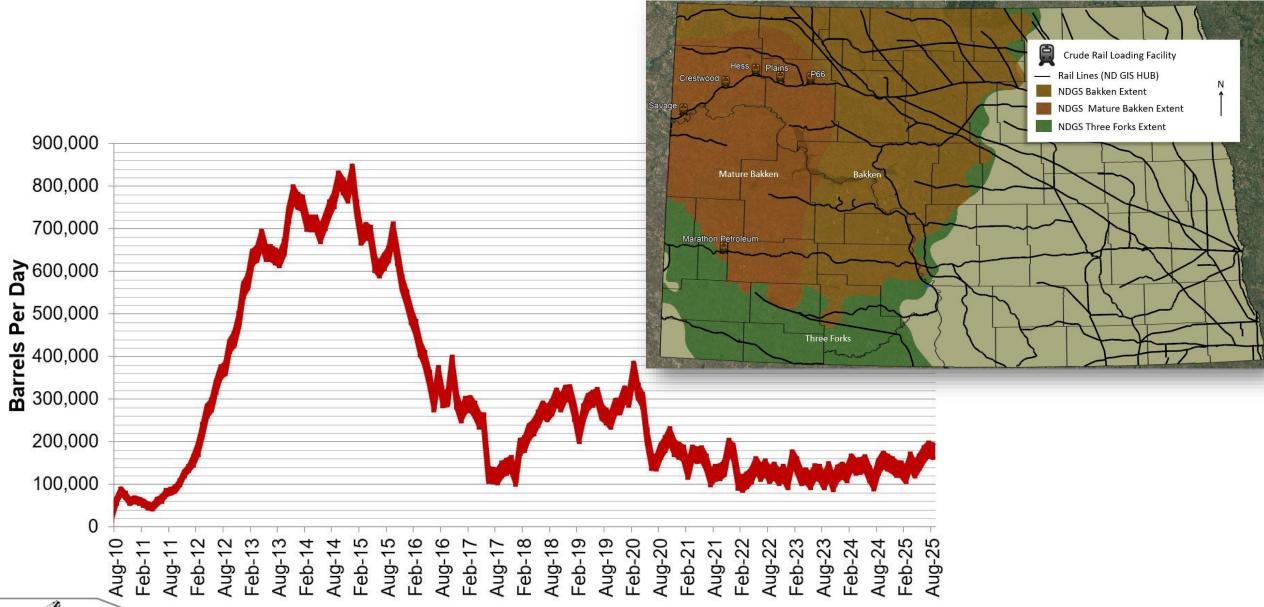
North Dakota Oil Transmission Pipelines



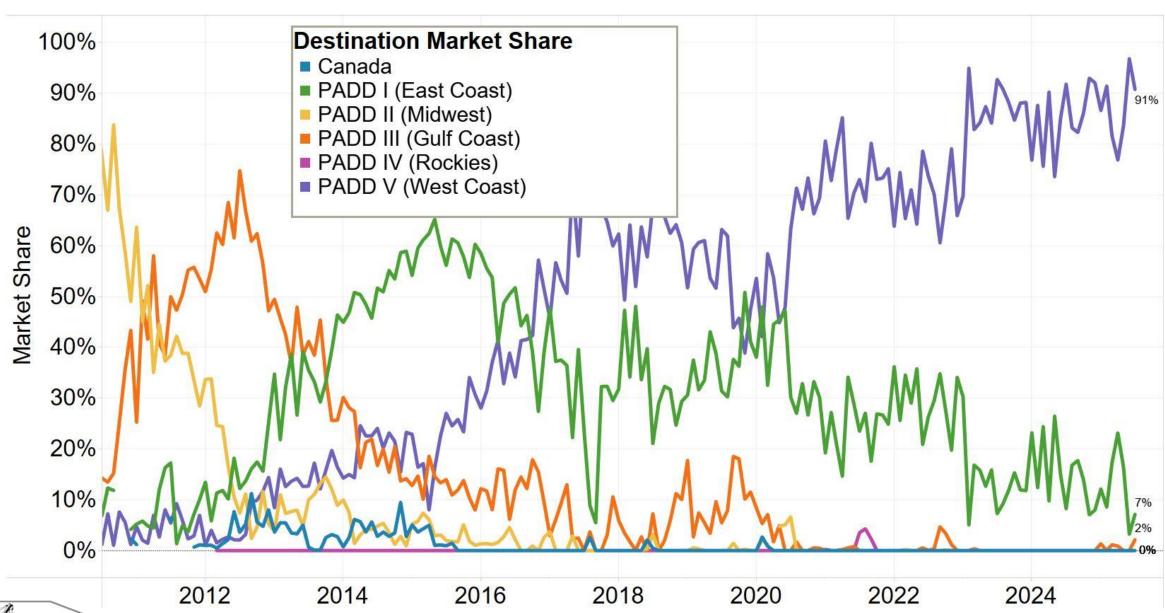
Estimated Williston Basin Oil Transportation



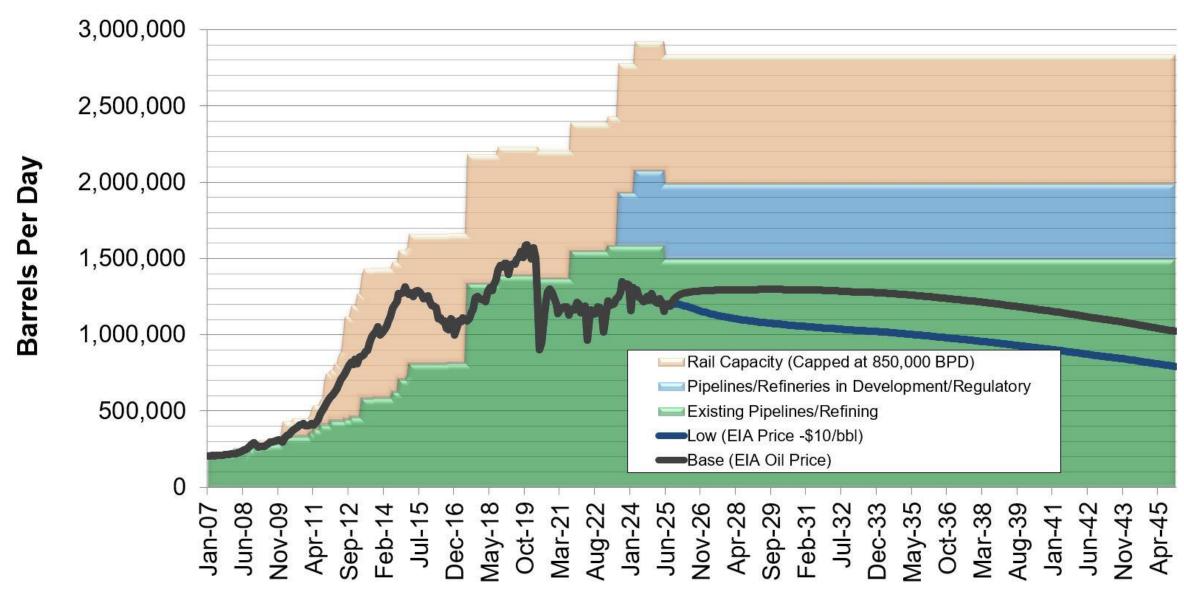
Estimated ND Rail Export Volumes



Rail Destinations Market Share (July 2025)

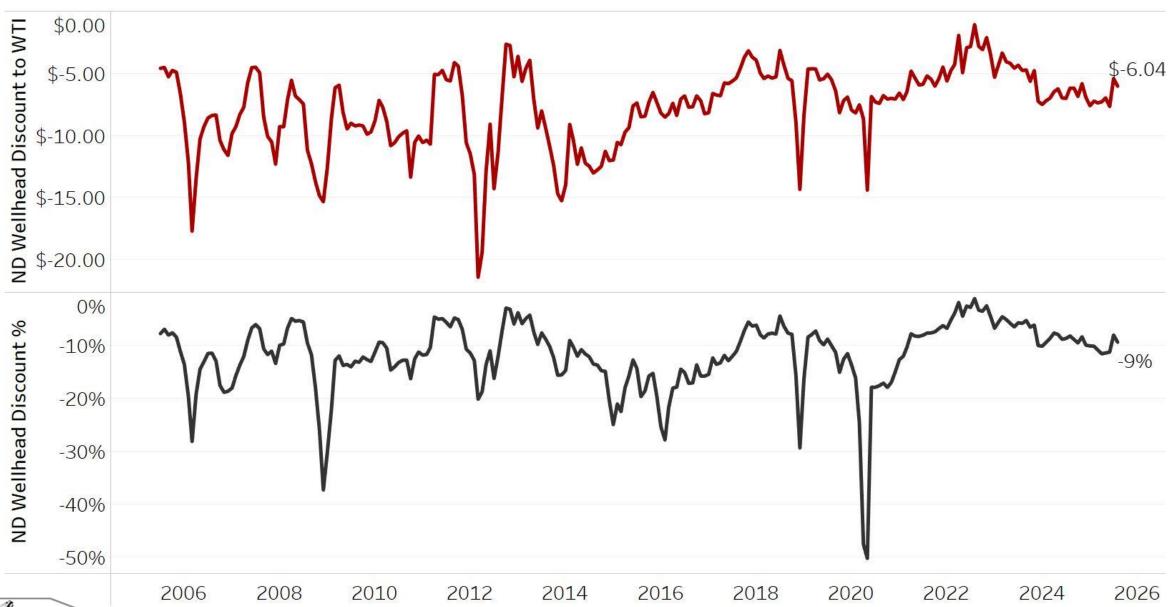


Williston Basin Oil Production & Export Capacity, BOPD



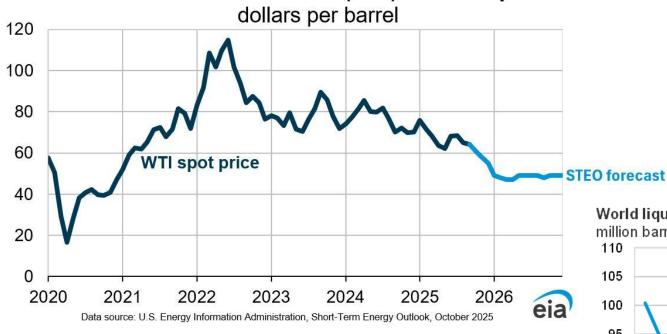


Average North Dakota Oil "Discount" to WTI

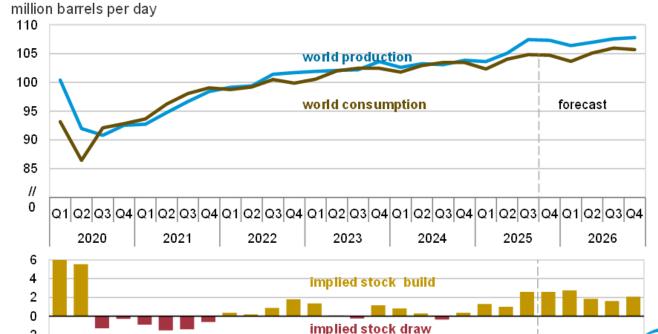


EIA Oil Price Outlook (October 2025)

West Texas Intermediate (WTI) crude oil price



World liquid fuels production and consumption balance





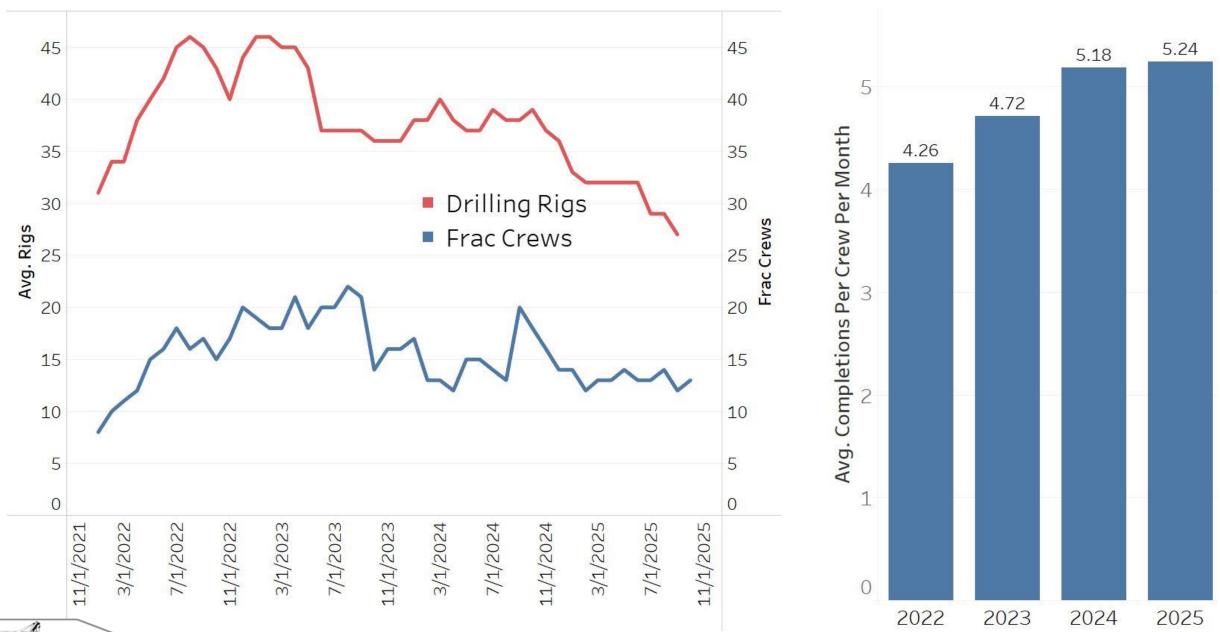
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, October 2025

eia

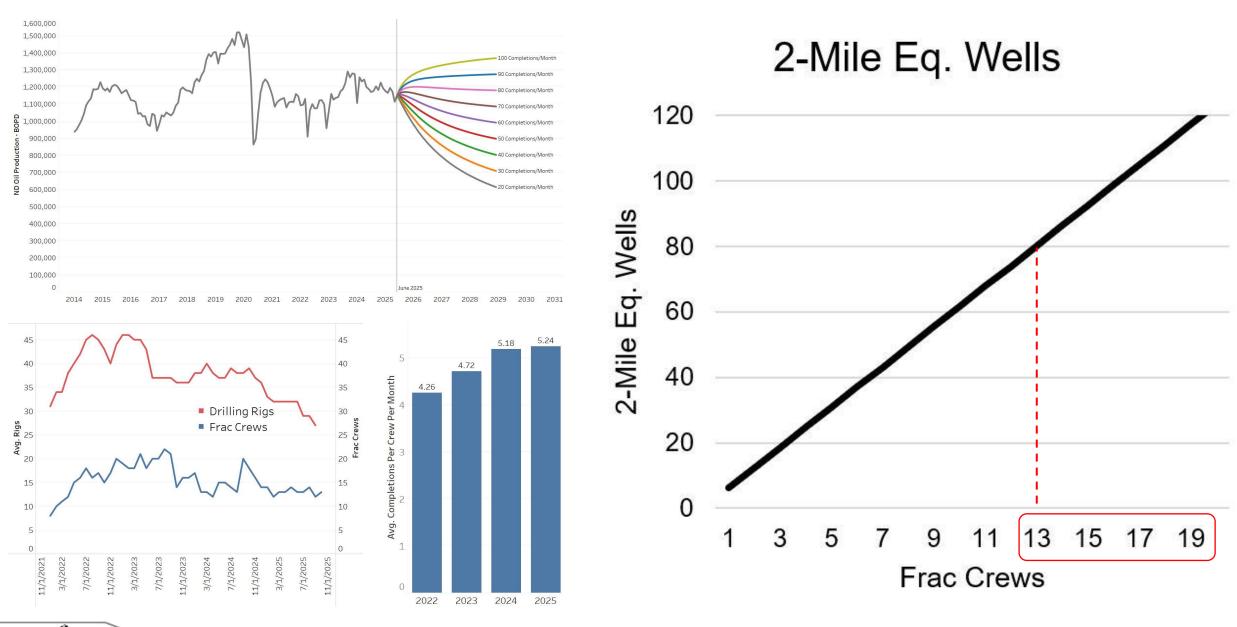
Monthly Completion* Scenarios - Oil



North Dakota Frac Crew Efficiency



What is the Optimal Frac Crew Count? (Assuming 30% 3-Mile & 5% 4-Mile)



A Complete Natural Gas Solution



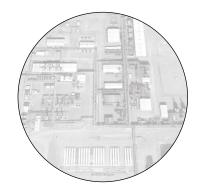
Production

- Technology
- Markets
- Forecasting



Gathering

- Capacity
- Connections
- Compression



Processing

- Capacity
- Location
- Configuration

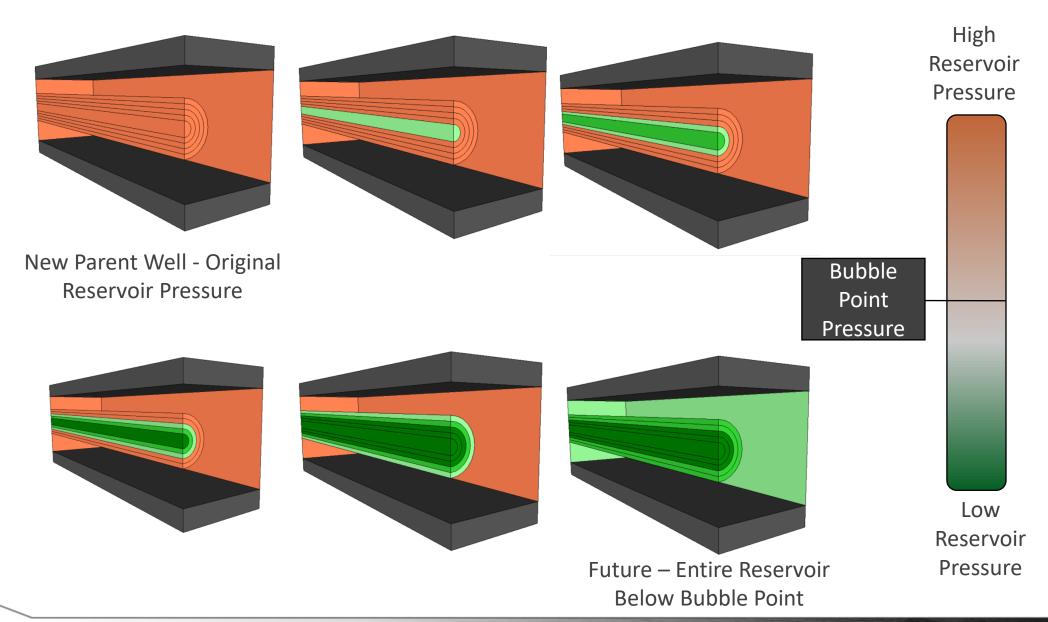


Transmission

- Dry Gas
- Natural Gas Liquids
- Storage

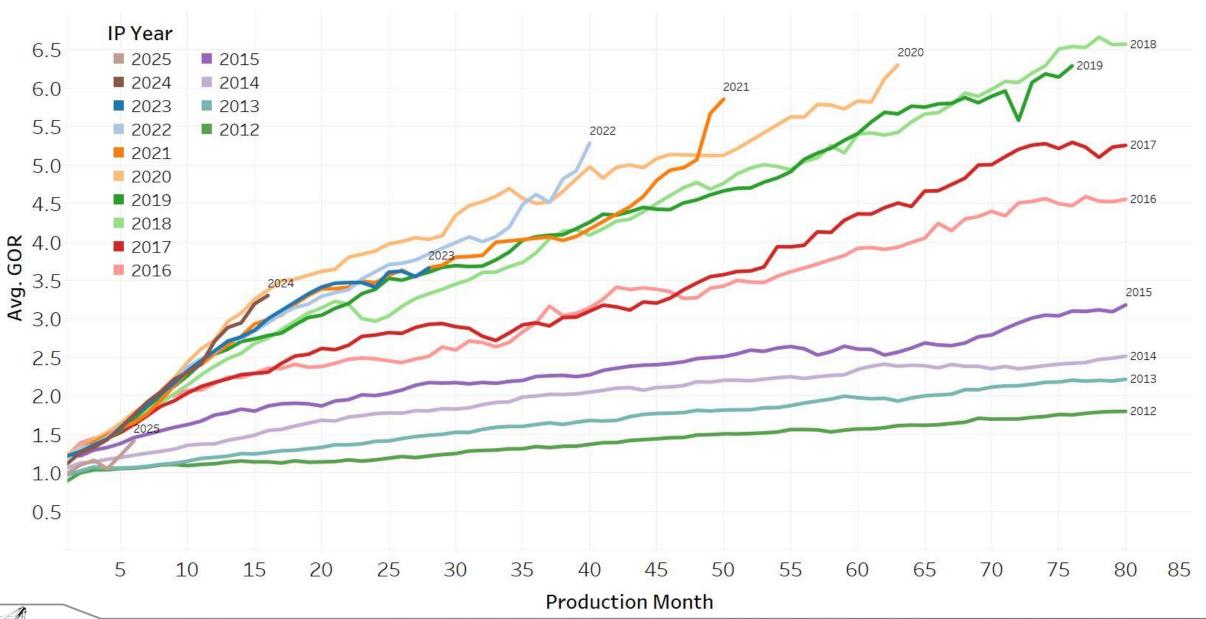


Statewide Bakken Gas/Oil Ratios



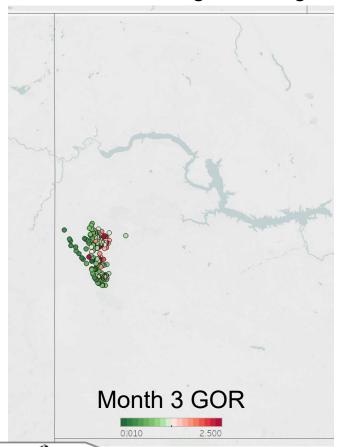


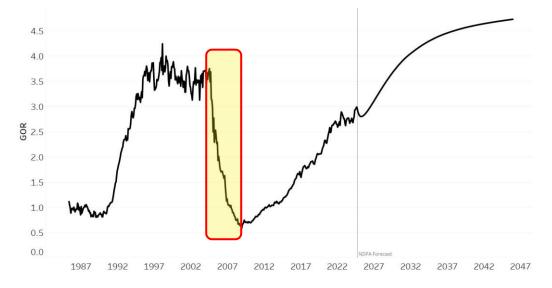
Statewide Bakken Gas/Oil Ratios



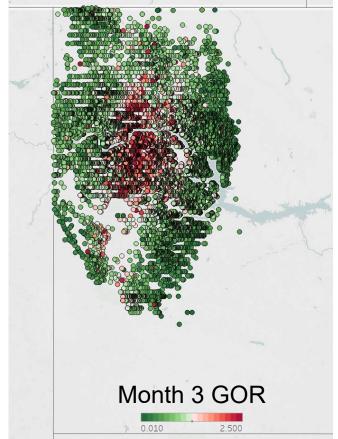
The GOR "Reset" and Forward Expectations

Bakken GOR settles around ~3.7 from 1990's Bakken development in what is now considered "fringe" acreage

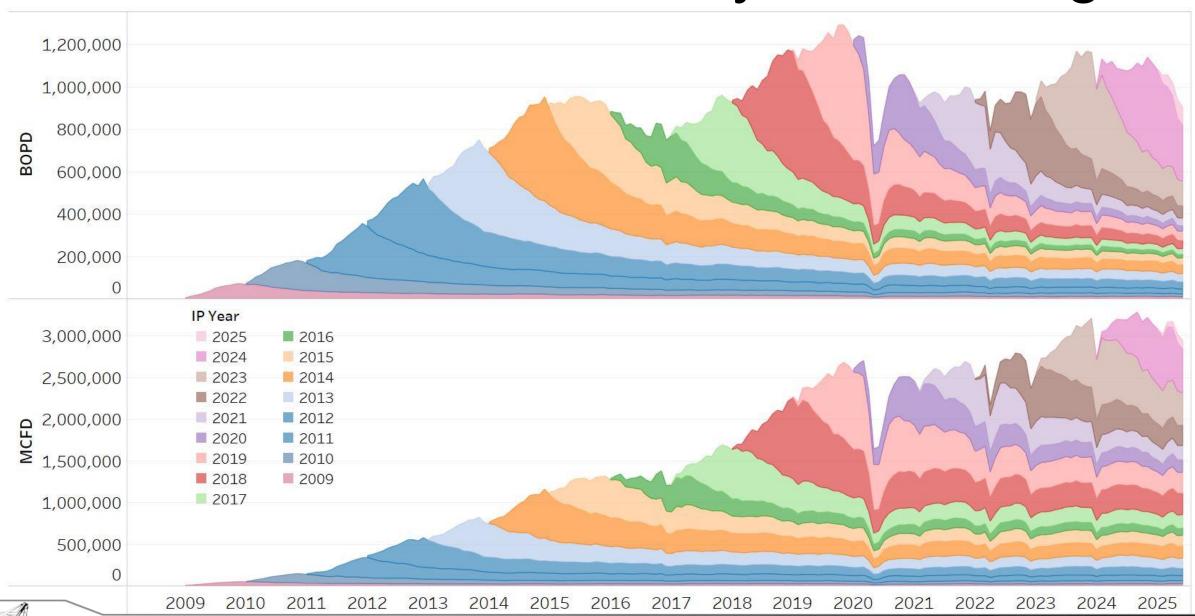




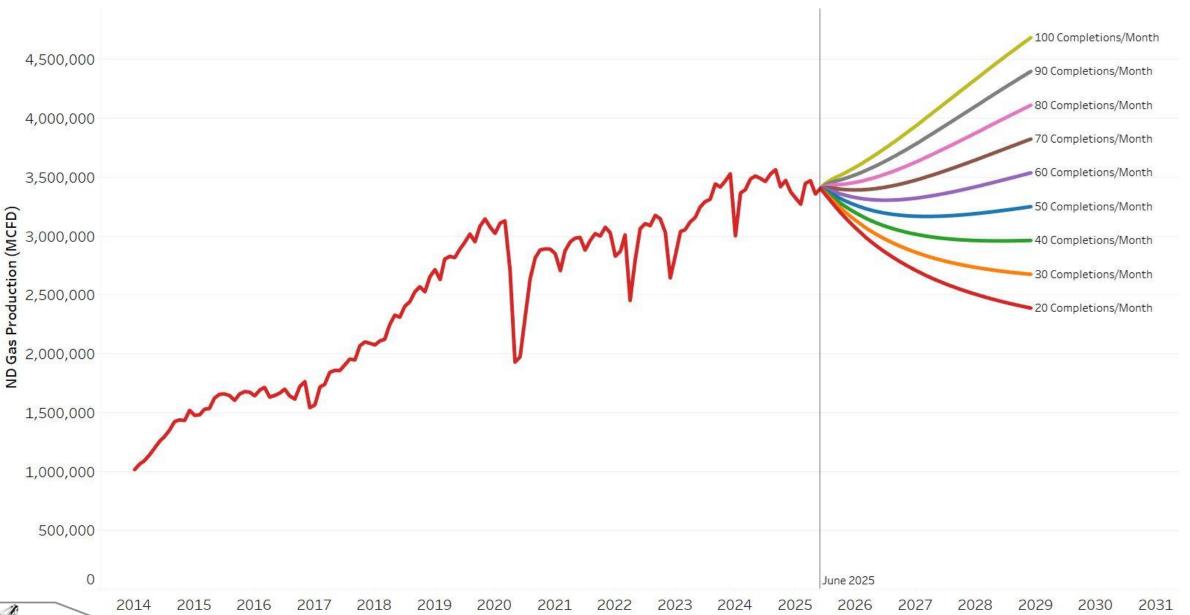
Mid-2000's: Modern Bakken development begins and statewide average GOR is "reset" with large volumes of new gas production Future GOR will be driven by widespread development including deeper/hotter acreage with higher initial and sustained reservoir GOR



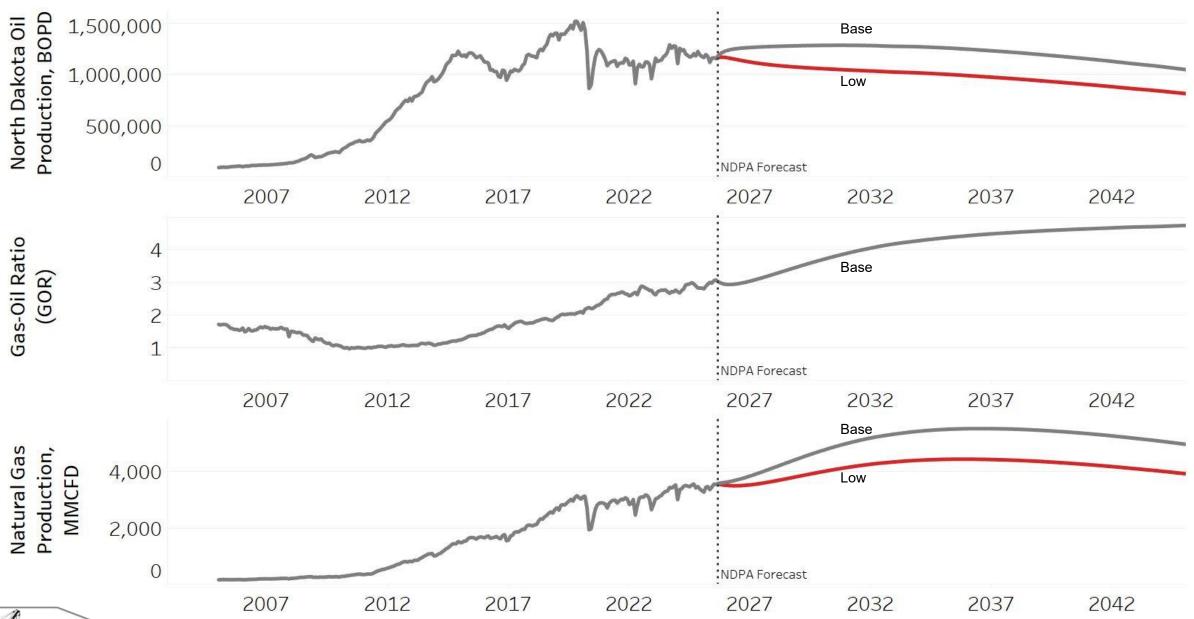
Bakken Base Decline By Well Vintage



Monthly Completion* Scenarios - Gas



ND Production Forecast: EIA Price Deck



A Complete Natural Gas Solution



Production

- Technology
- Markets



Gathering

- Capacity
- Connections



Processing

- Capacity
- Location

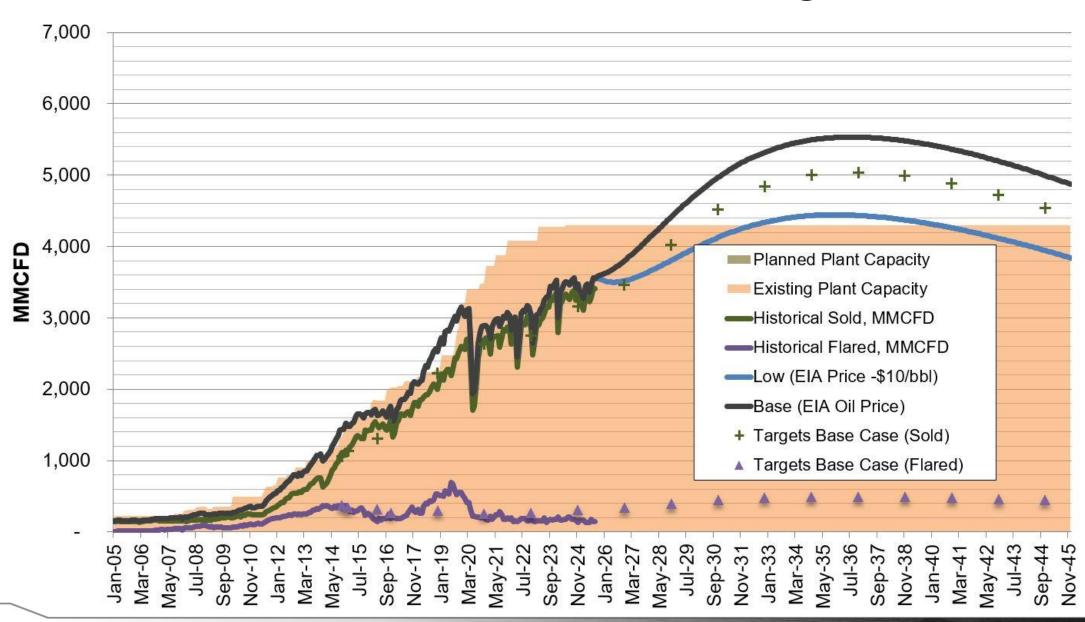


Transmission

- Dry Gas
- Natural Gas Liquids



North Dakota Gas Processing Outlook





A Complete Natural Gas Solution



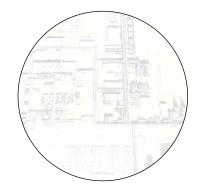
Production

- Technology
- Markets



Gathering

- Capacity
- Connections



Processing

- Capacity
- Location

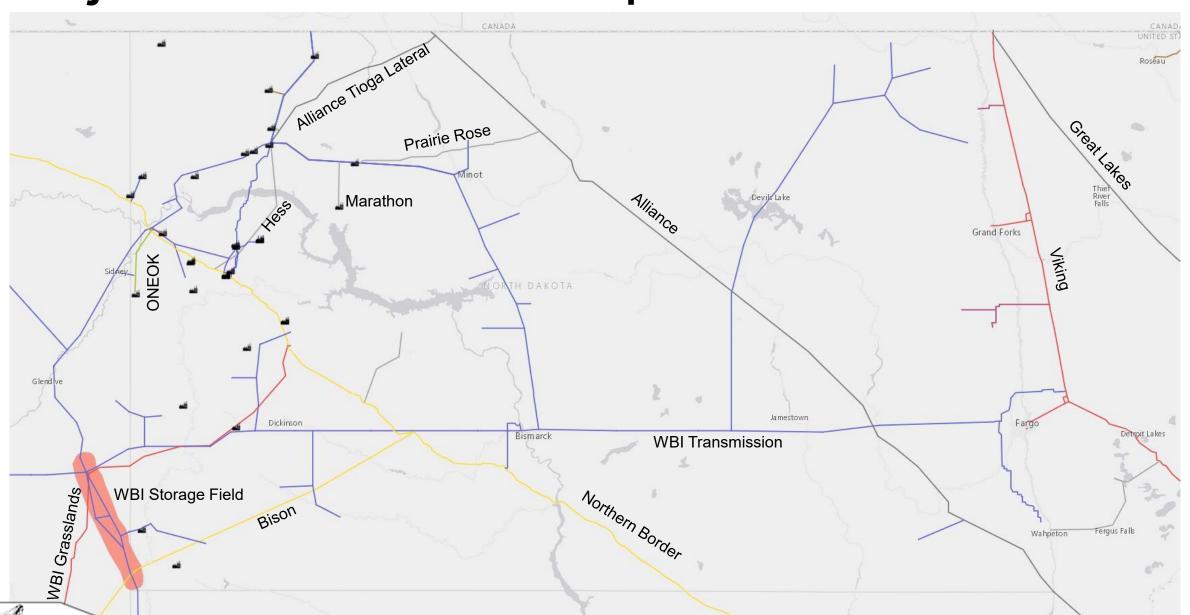


Transmission

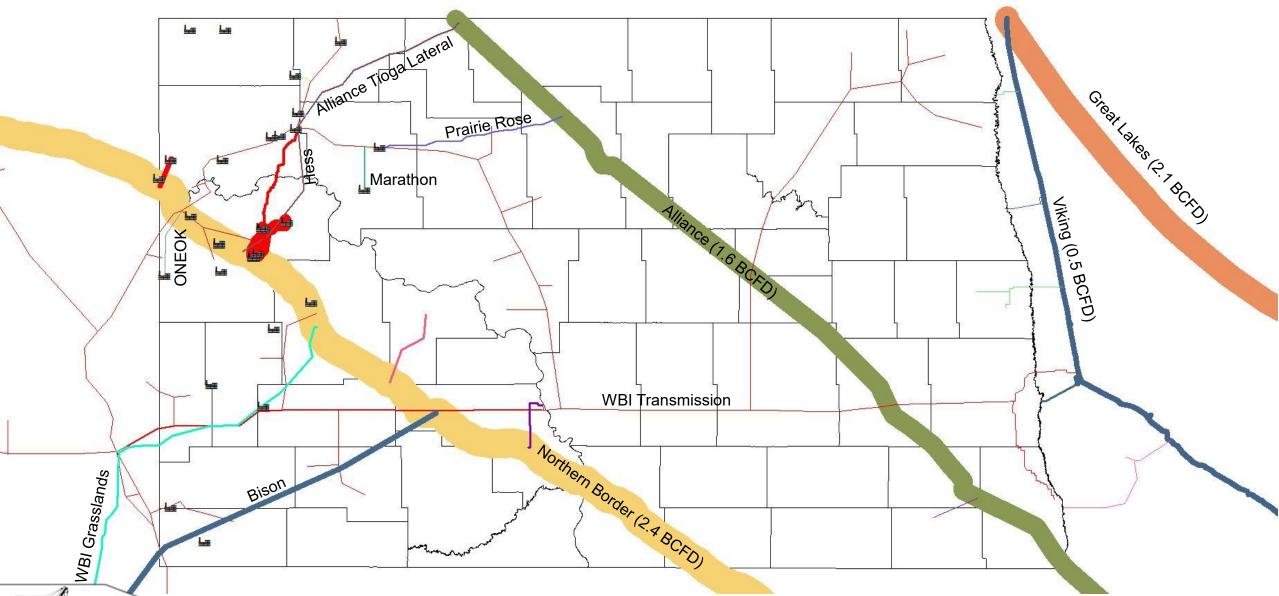
- Dry Gas
- Natural Gas Liquids
- Storage



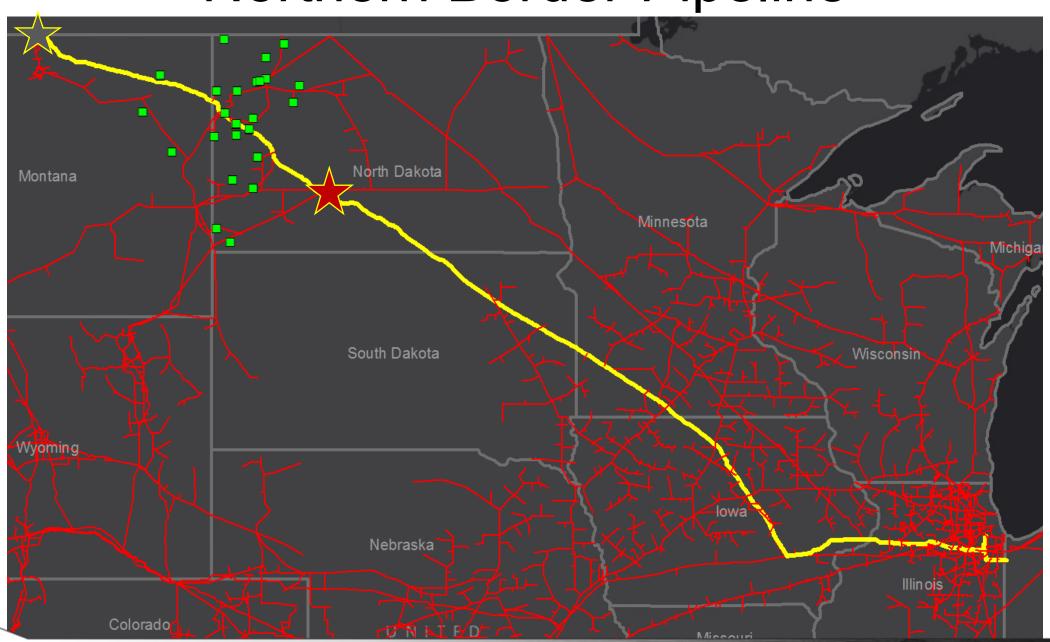
Major Residue Gas Pipeline Infrastructure



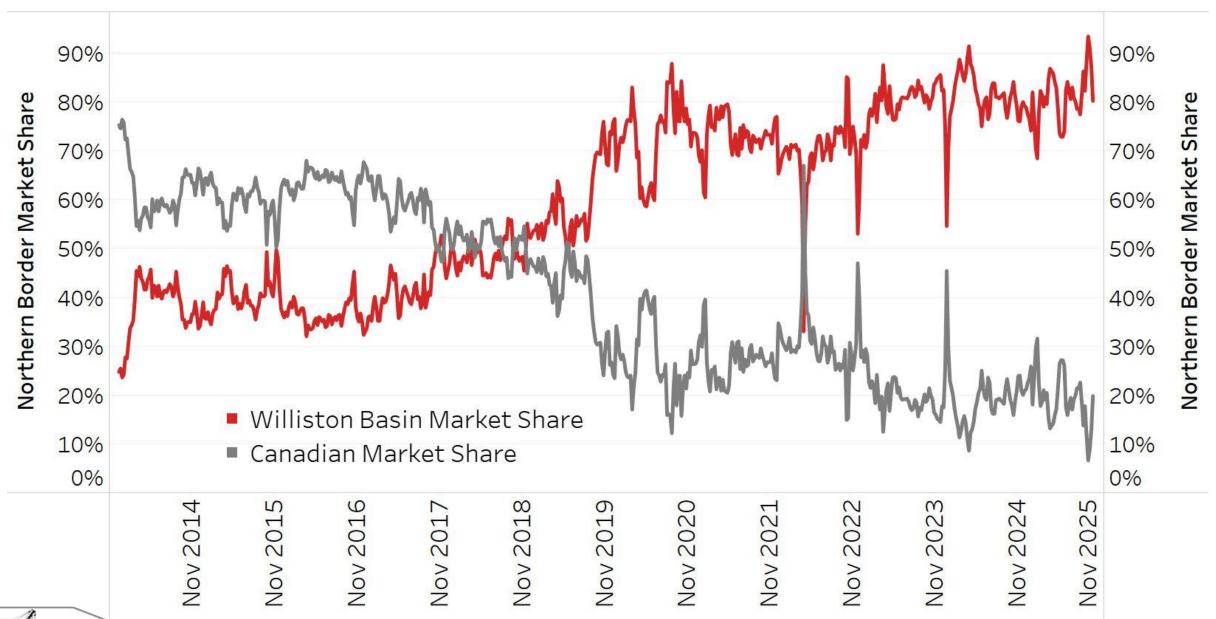
Residue Gas Pipeline Capacity Visualization



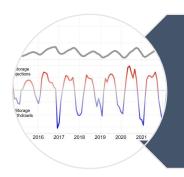
Northern Border Pipeline



Northern Border Pipeline Market Share



Summer 2025 Transmission Tailwinds



Summer Storage Injections
Seasonal ~100,000 Dth/day



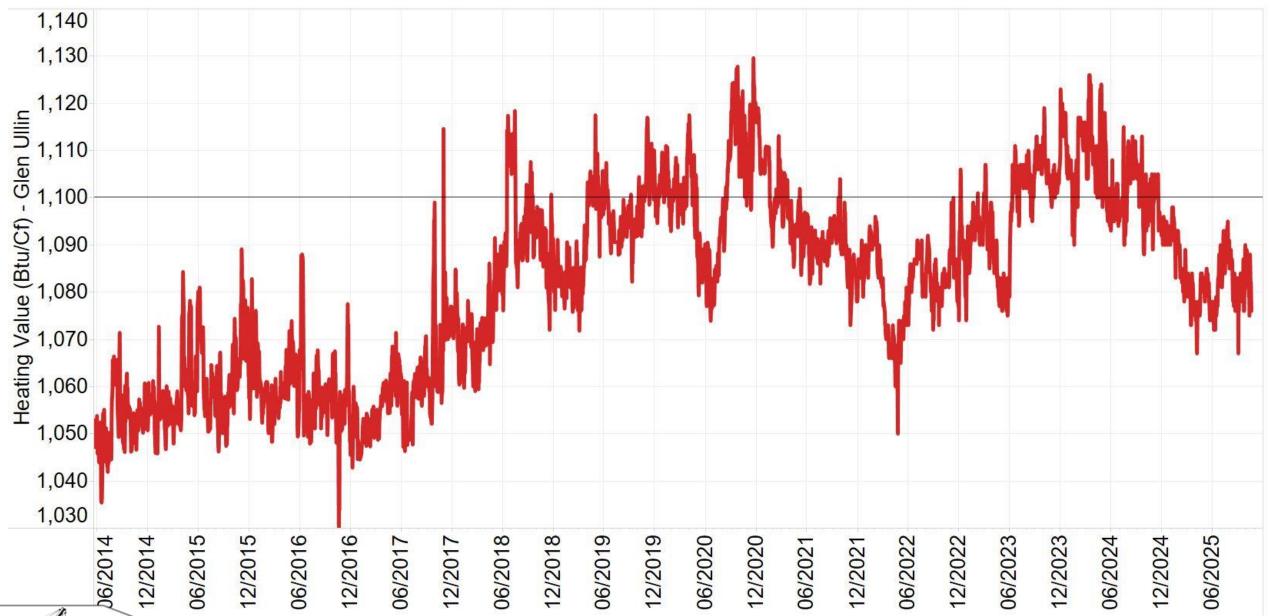
Local Power Generation Increase ~120,000 Dth/day



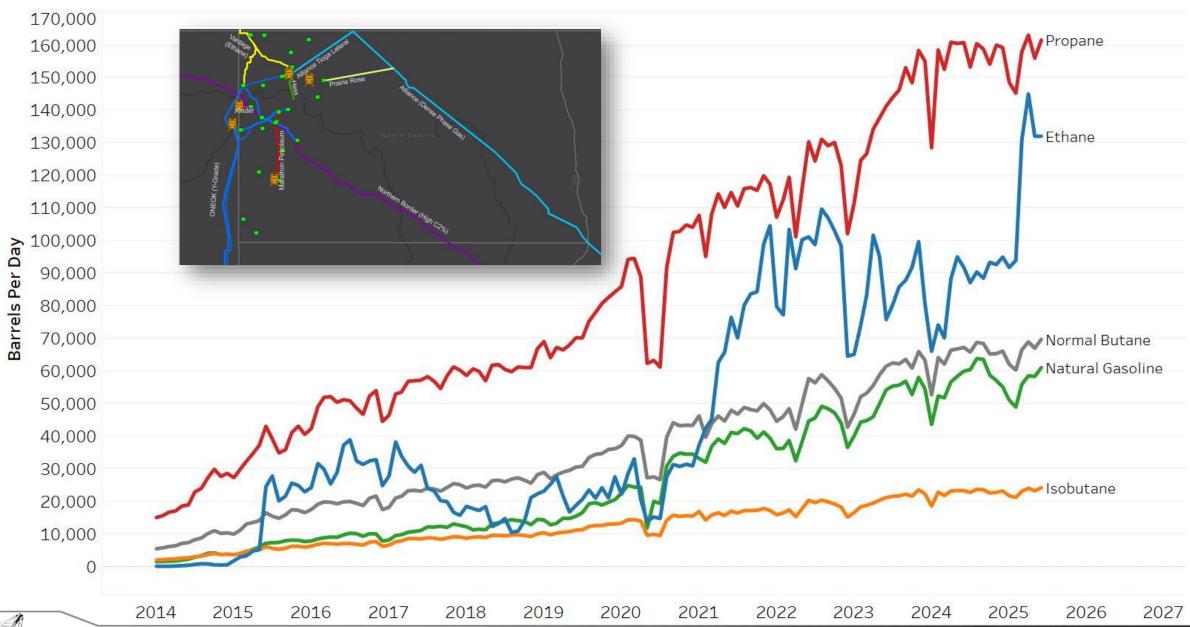
High Ethane Recovery Elective ~100,000 Dth/day



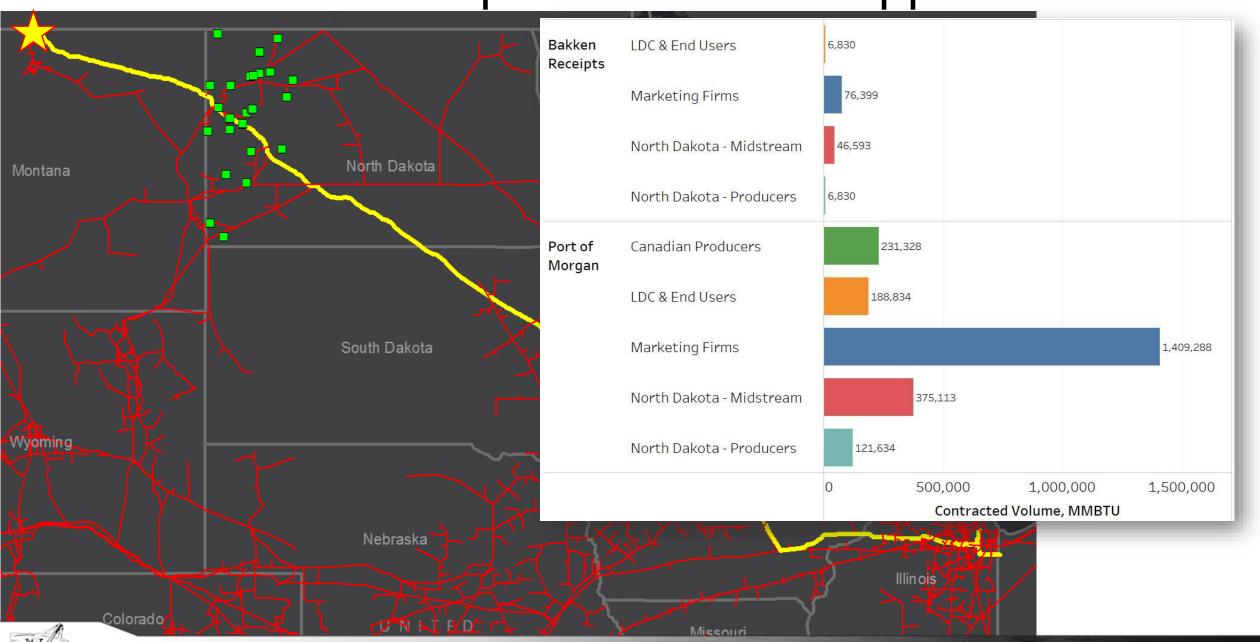
Northern Border BTU at Glen Ullin, ND



PADD II to PADD IV NGL Pipeline Flows



Northern Border Pipeline P.O.M. Shipper Mix: 2025

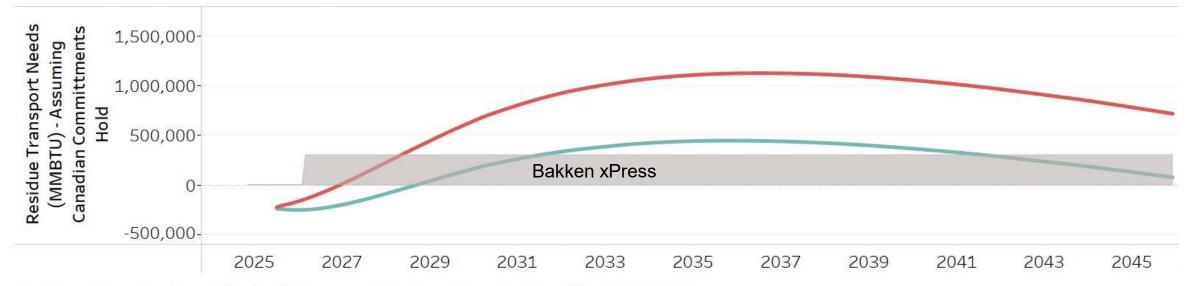


Justin J. Kringstad - North Dakota Pipeline Authority

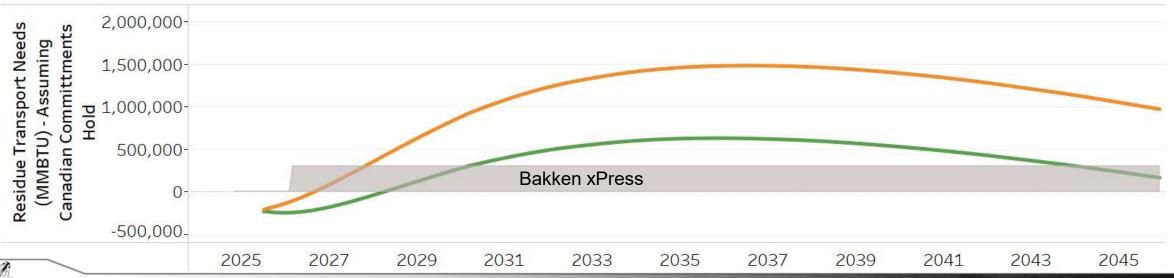
34

Residue Capacity Needs: Glen Ullin BTU 1,100 & 1,150

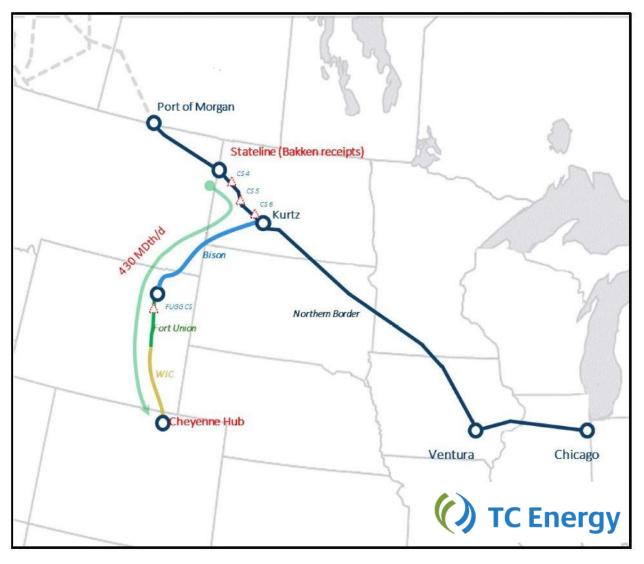
Residue Capacity Need: Port of Morgan at Contract Level: Glen Ullin BTU 1,100



Residue Capacity Need: Port of Morgan at Contract Level: Glen Ullin BTU 1,150



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)
- March 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



Options Beyond 2026: The 5 "C's"

Construction (Interstate)

Long-haul Pipe to New or Expanded Markets

Compete

Price Canadian Volumes to Flow Elsewhere

Compression

Increase Capacity on Existing Interstate Systems

Consumption

Intra Region Gas Demand Expansion

Contraction

Reduce E&P Activity to Meet Limited Gas Options



Options Beyond 2026: The 5 "C's"

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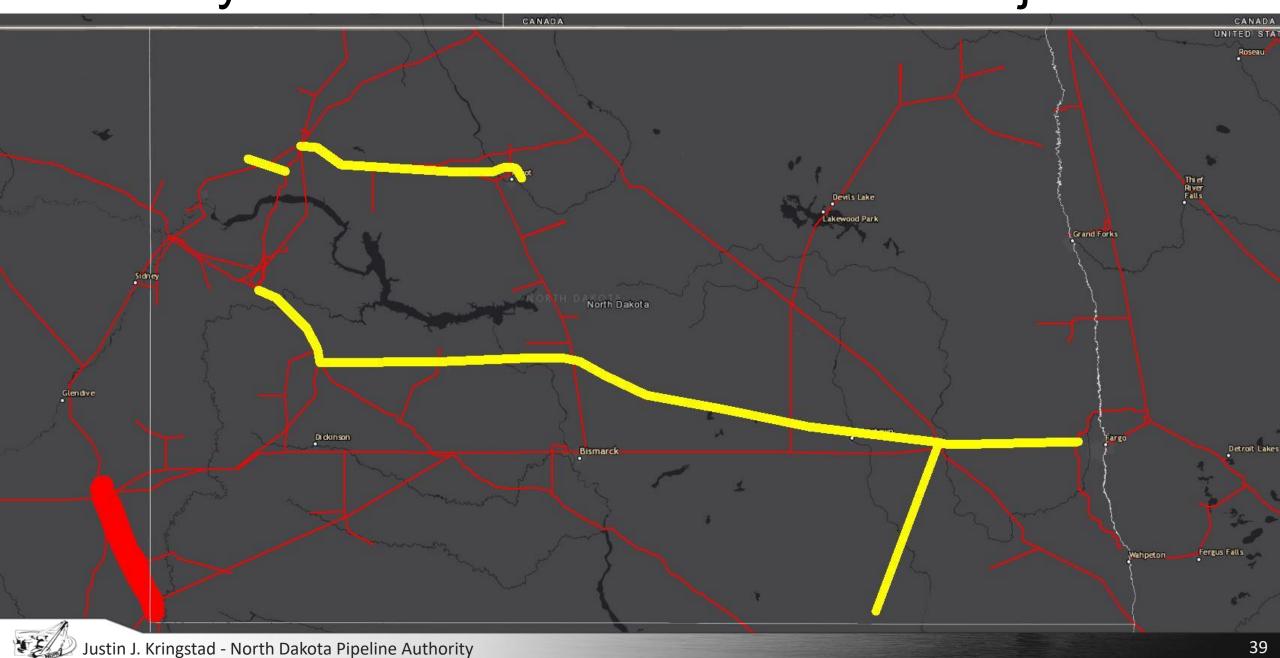
Intra Region Gas Demand Expansion

Contraction

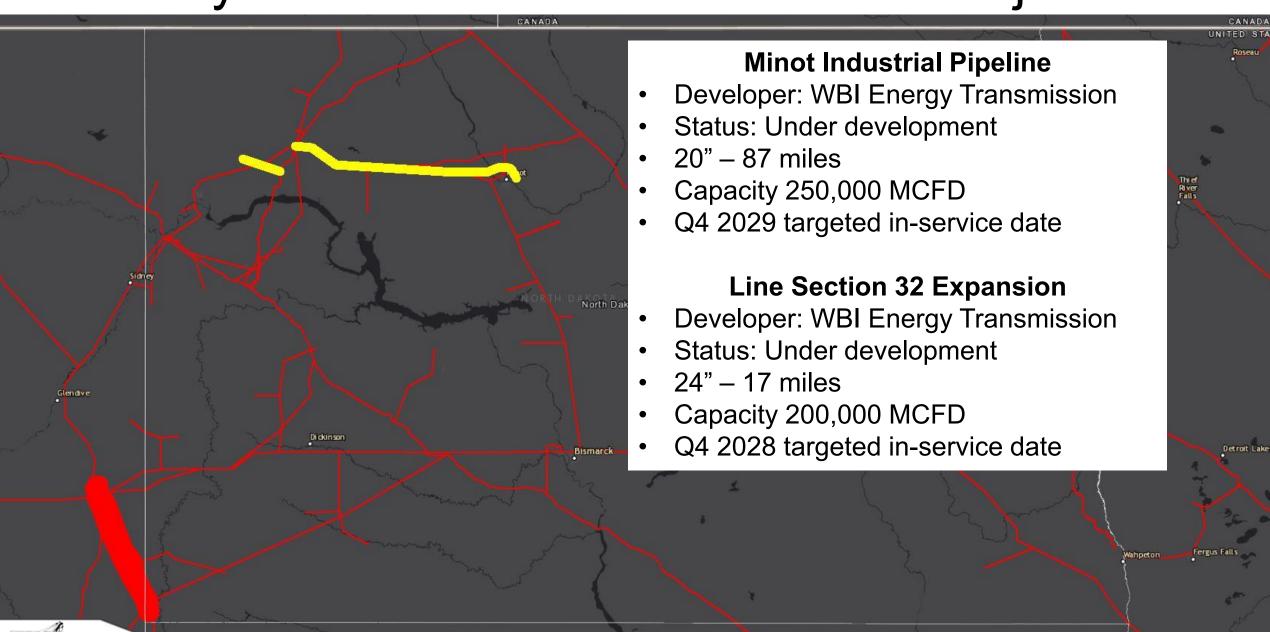
Reduce E&P Activity to Meet Limited Gas Options



Beyond 2026: Gas Transmission Projects

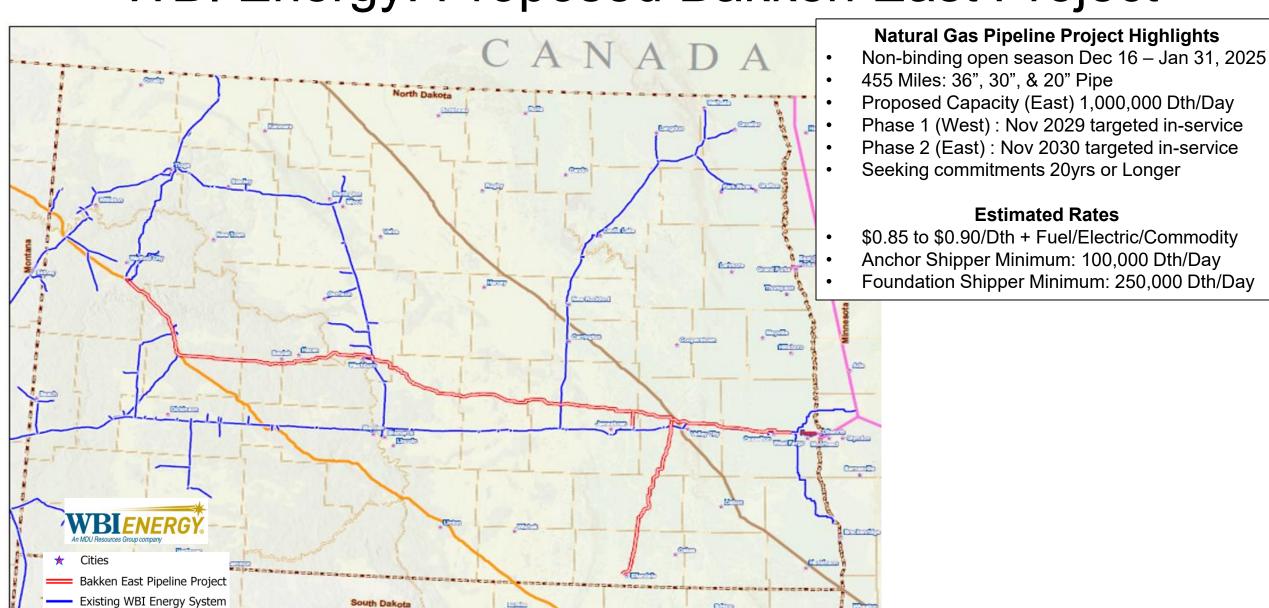


Beyond 2026: Gas Transmission Projects

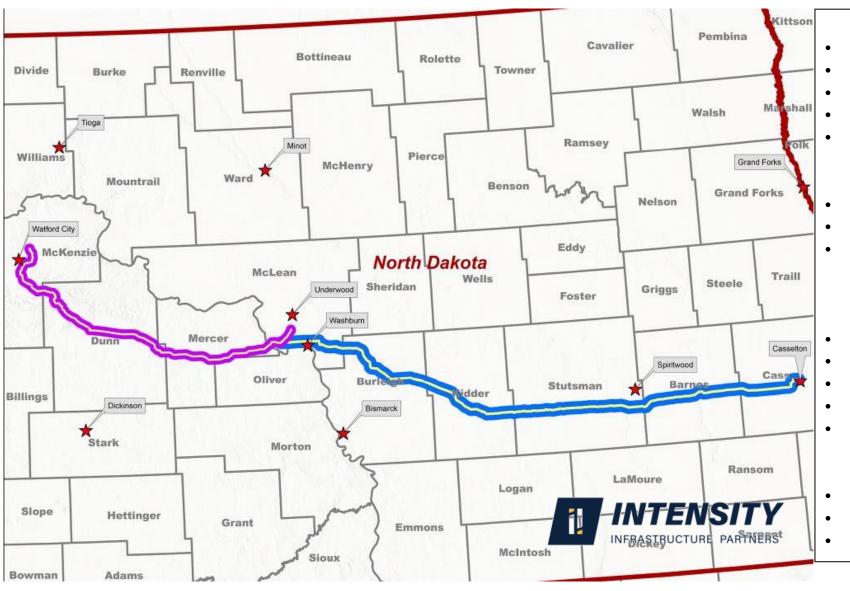


WBI Energy: Proposed Bakken East Project

Dire



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

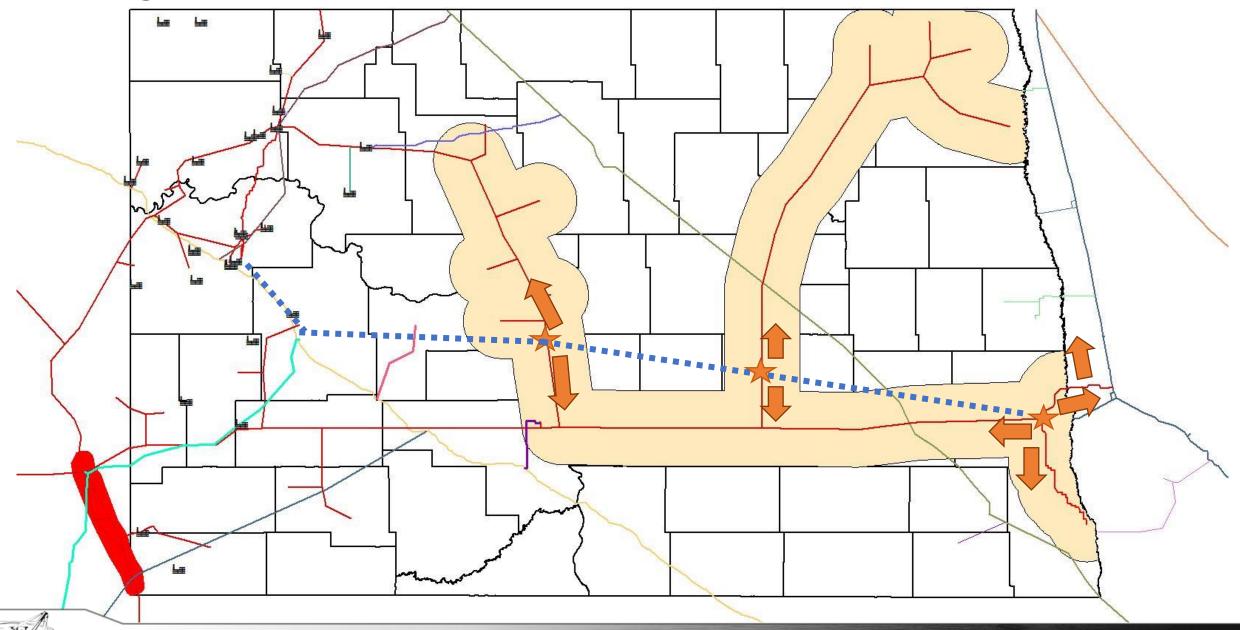
- Non-binding open season Apr 17 May 23, 2025
- 208 Miles: 30" Pipe
- Proposed Capacity 430,000 Dth/Day
 - January 2030 targeted in-service
- Seeking commitments 10yrs or Longer

Phase 2 Estimated Rates

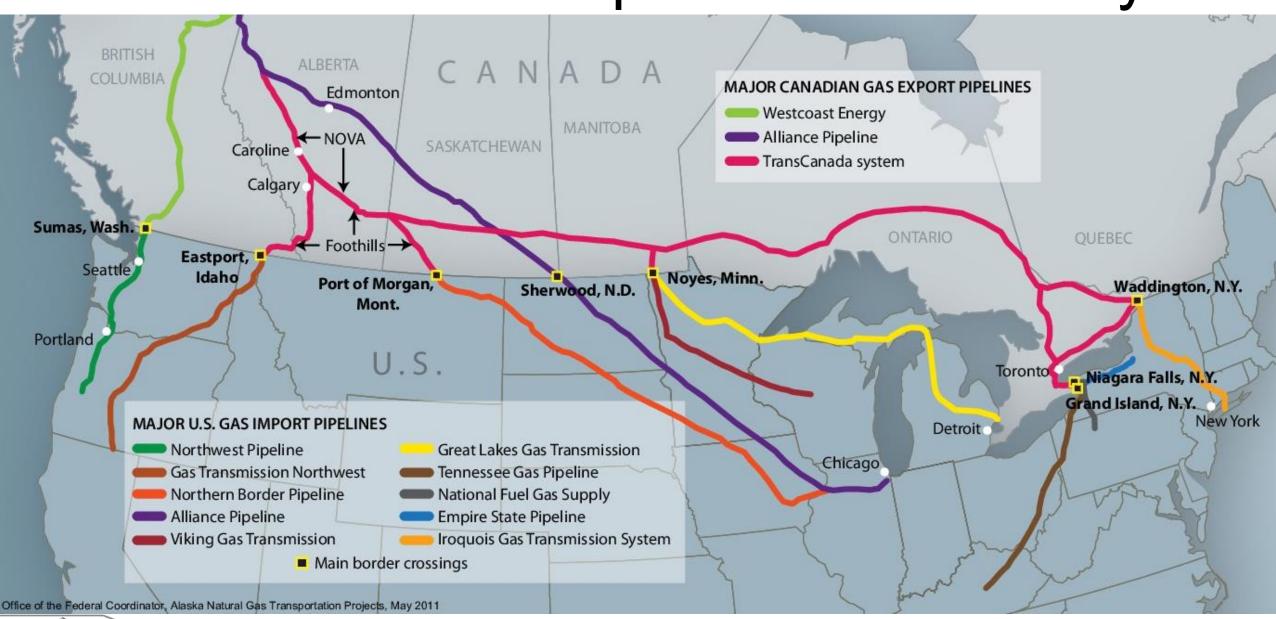
- \$0.80/Dth + Fuel/Electric/Commodity
- Anchor Shipper Minimum: 100,000 Dth/Day
 - Foundation Shipper Minimum: 250,000 Dth/Day



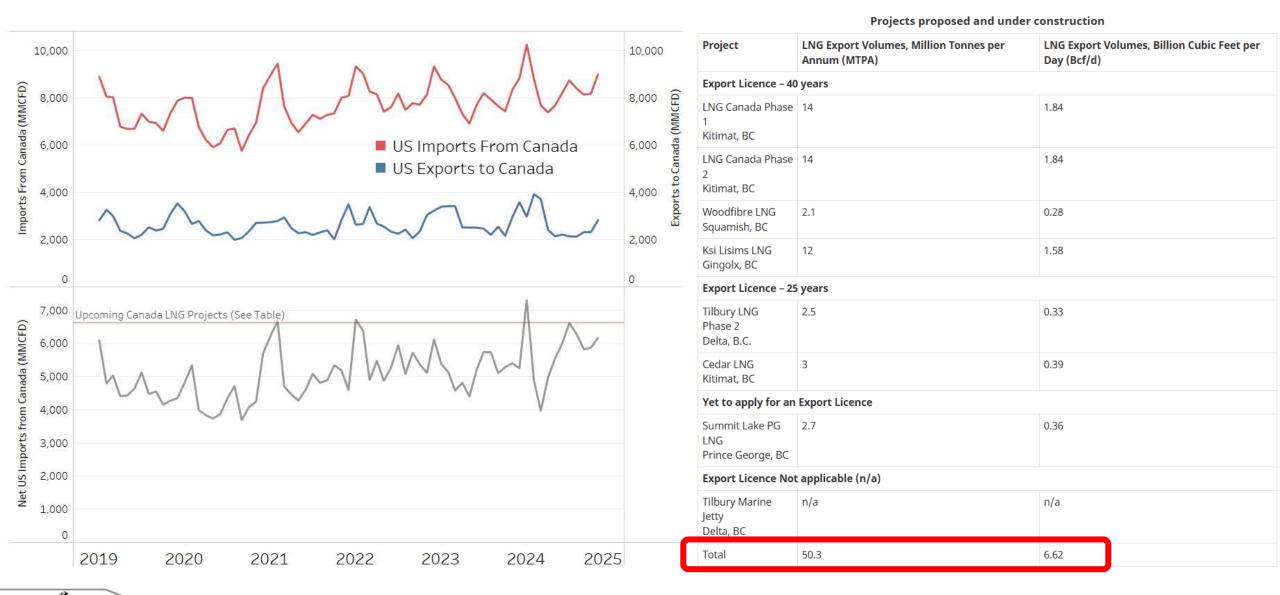
Going East: Statewide Benefits of Interconnections



Canadian Gas Pipeline Connectivity

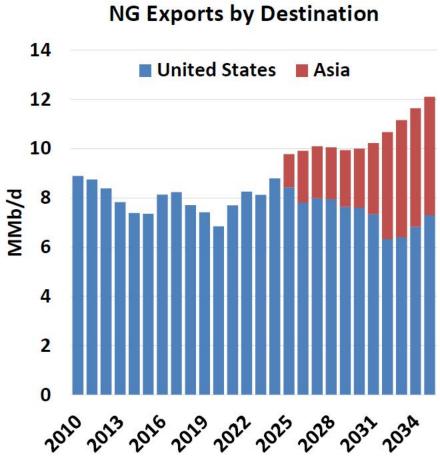


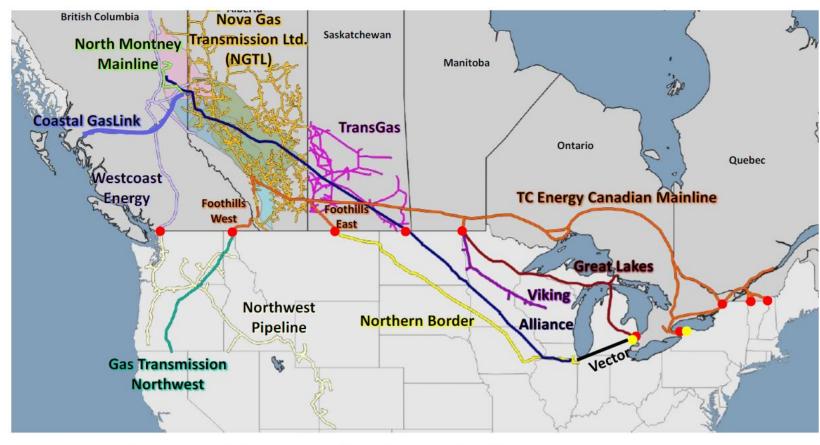
United States Canada Gas Movements & LNG



Natural Gas Exports and Export Options

 Gas production growth is insufficient to meet a combination of LNG export needs, Alberta demand growth and sustaining pipeline exports.





 Potential end result is a reduction in gas pipeline exports to the U.S. as LNG and Alberta demand will take precedence.

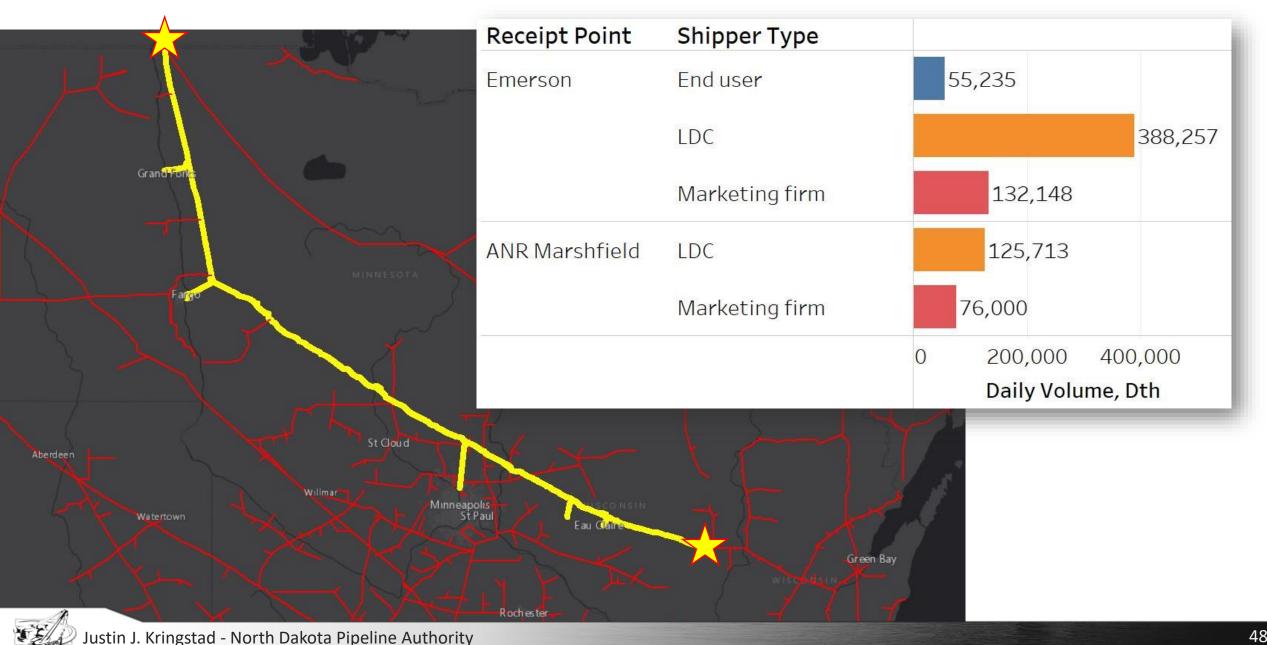


12

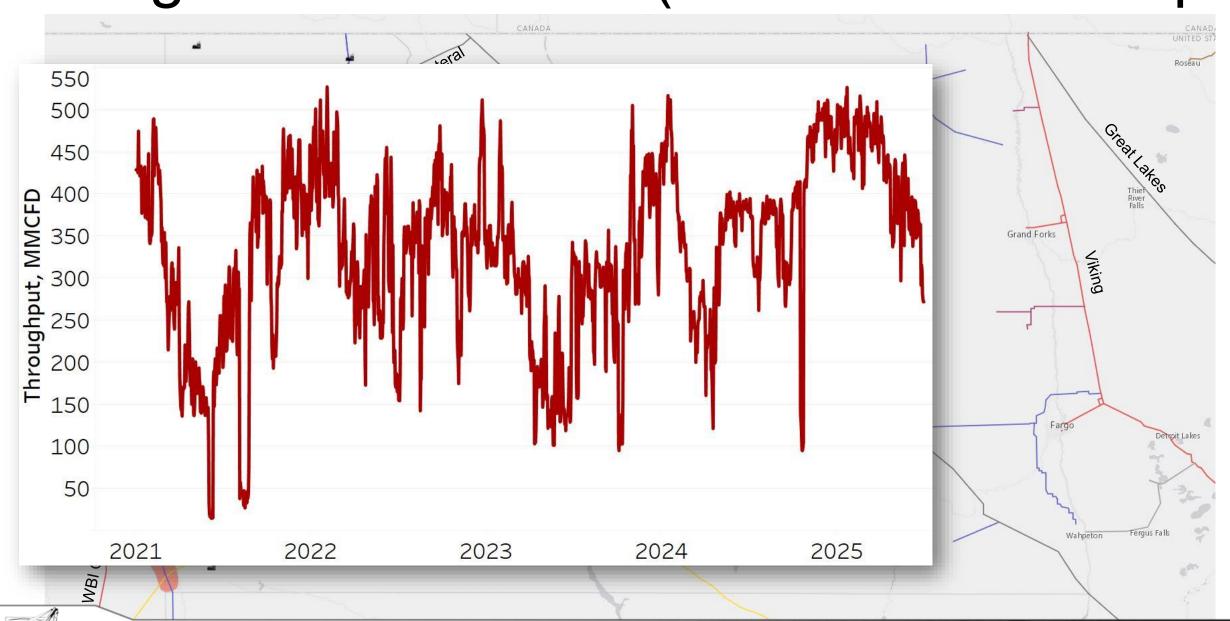
© Copyright 2025 RBN Energy Source: RBN, CER

Eastern North Dakota Interstate Pipeline Interconnection Options

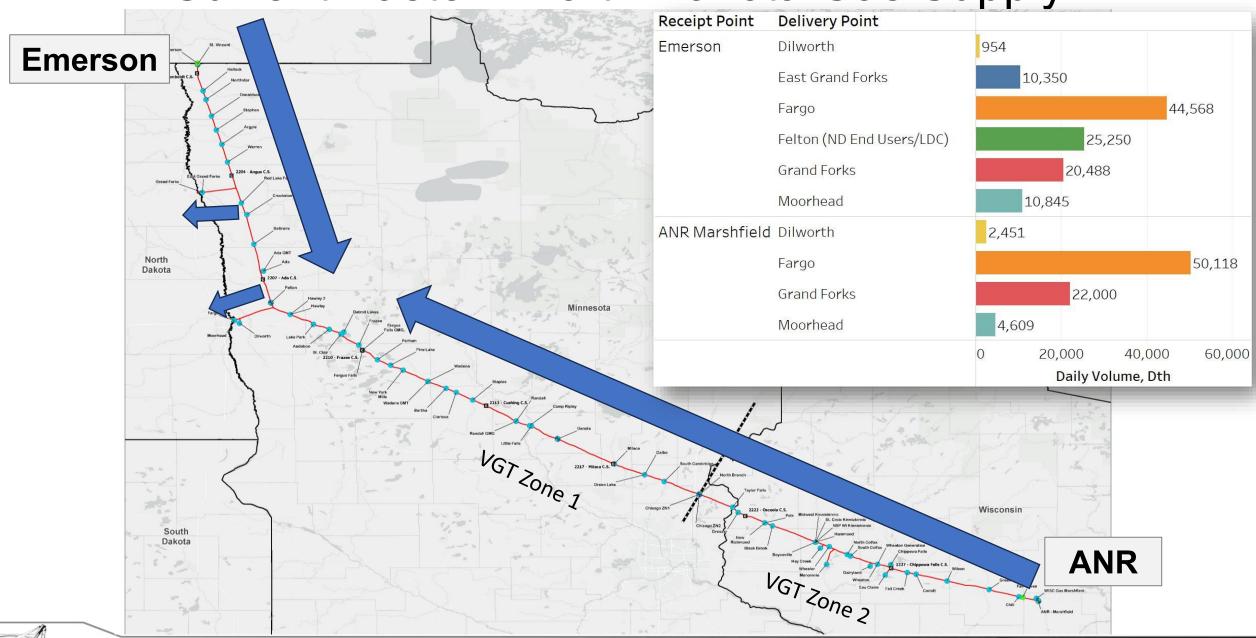
Viking Pipeline Shipper Mix: 2025



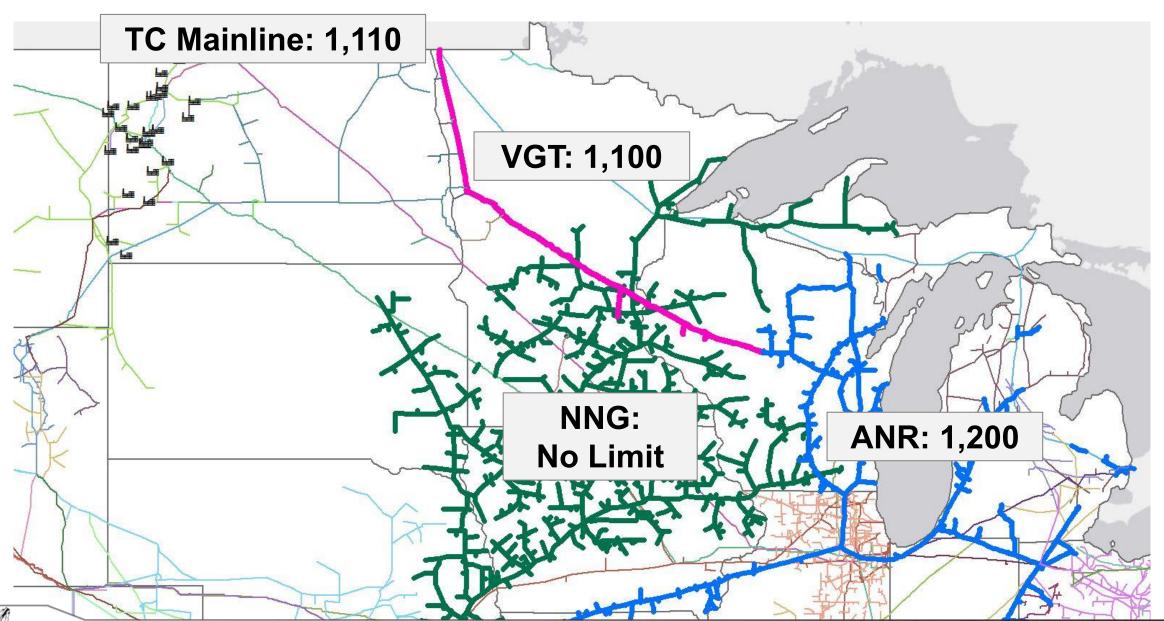
Viking South Volumes (~500 MMCFD Cap.)



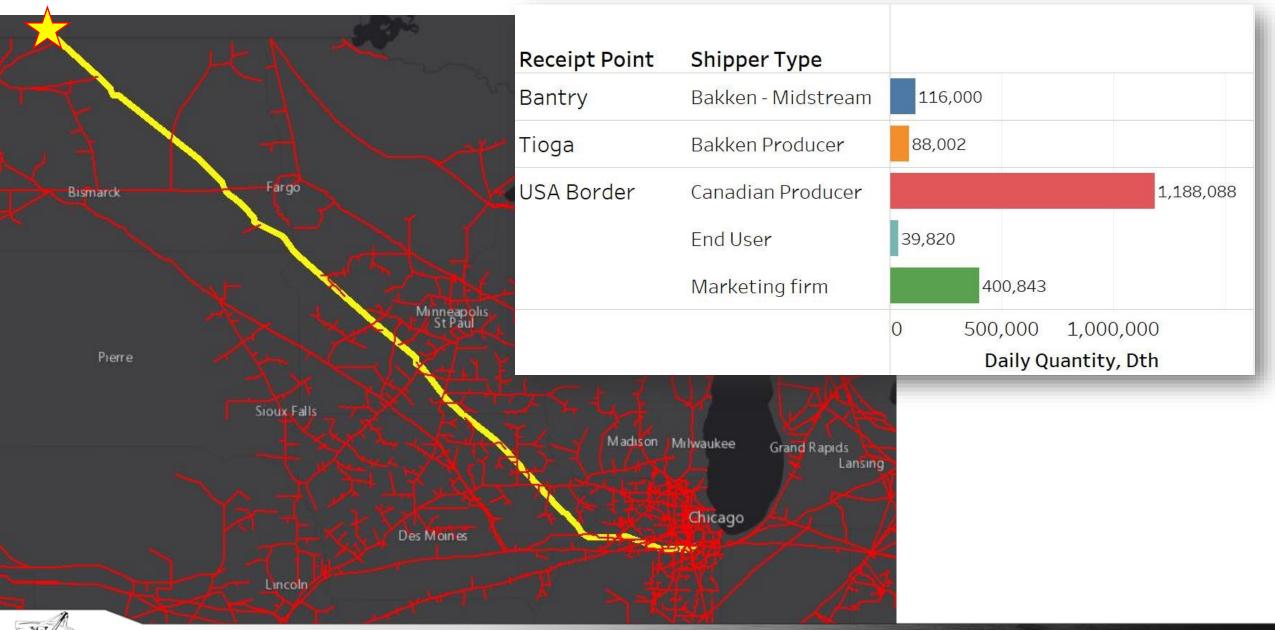
Current Eastern North Dakota Gas Supply



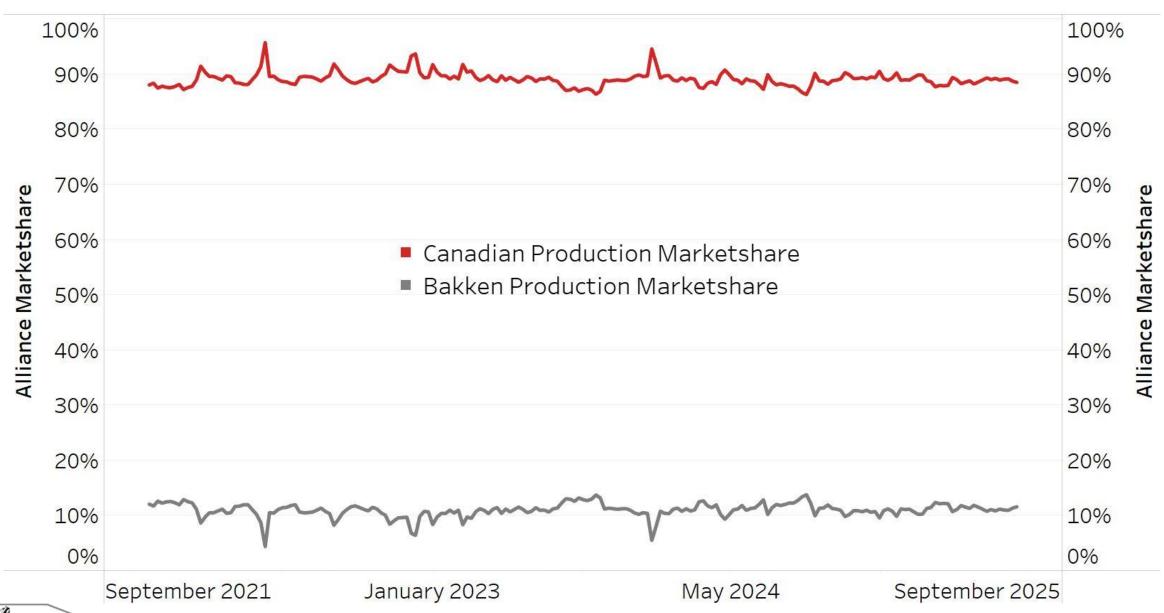
The Need to Modernize Viking's BTU Limit



Alliance Pipeline US Shipper Mix: 2025



Alliance Pipeline Market Share: ~1.6 BCFD Capacity





Sig

Signing Up For Pipeline Capacity

l ype: hipp



Producers/Midstream



Marketing Firms

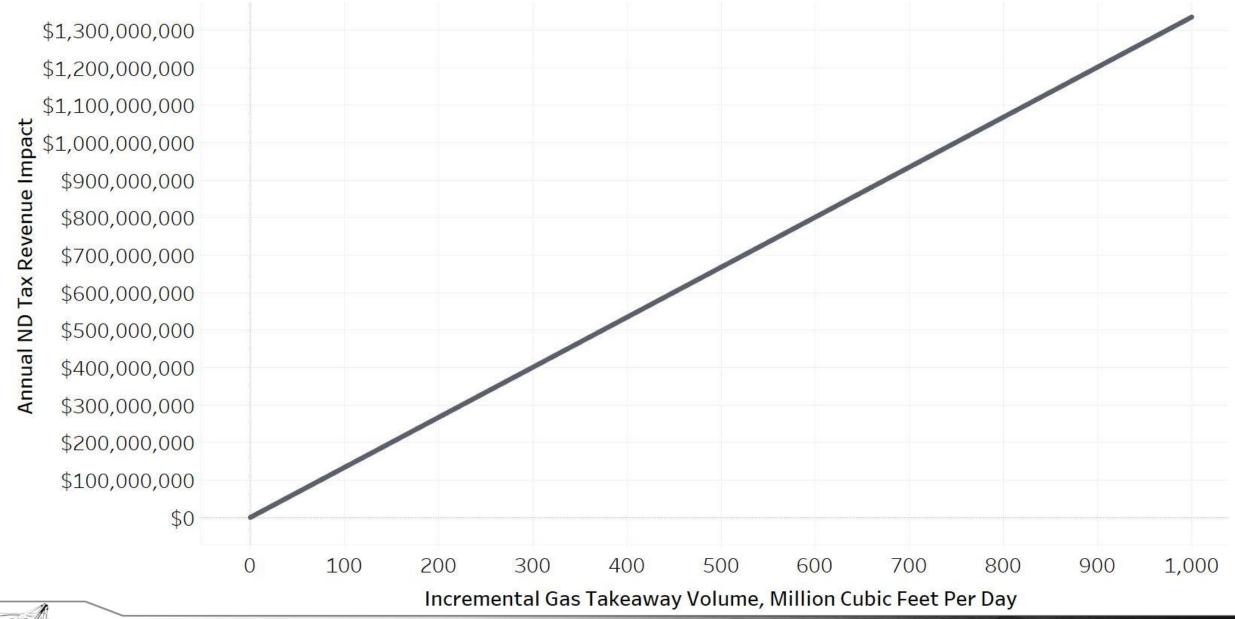


Industrial Consumers/LDC

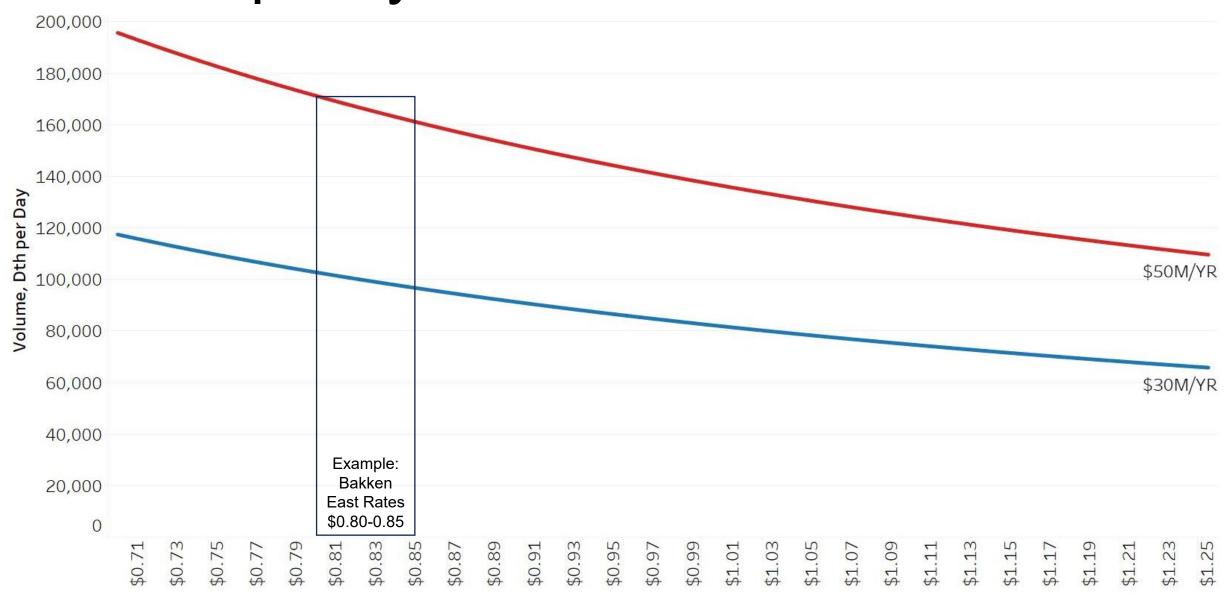


State of North Dakota (PA/IC)

ND Tax Impact of Incremental Gas Capacity



Capacity and Reservation Rate





How Will NDPA Manage Contracted Capacity?



Release capacity to replacement shipper(s) in increments greater than one year at FERC required rate structure

Release capacity to replacement shipper(s) in increments less than one year at bid rates (Limited by 54-17.7-04 Subsection 3)

Release of capacity to an asset manager for an appropriate term length

Pay obligated precedent agreement rates until a release or asset management agreement is established

Least Desirable



Options Beyond 2026: The 5 "C's"

Construction (Interstate)

Long-haul Pipe to New or Expanded Markets

Compete

Price Canadian Volumes to Flow Elsewhere

Compression

Increase Capacity on Existing Interstate Systems

Consumption

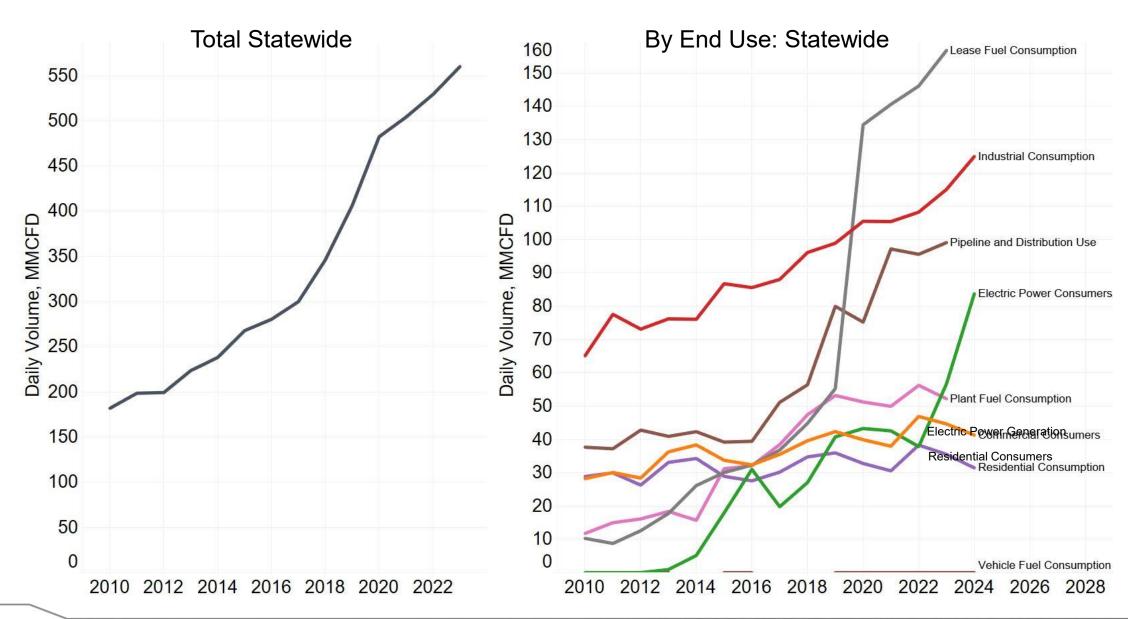
Intra Region Gas Demand Expansion

Contraction

Reduce E&P Activity to Meet Limited Gas Options

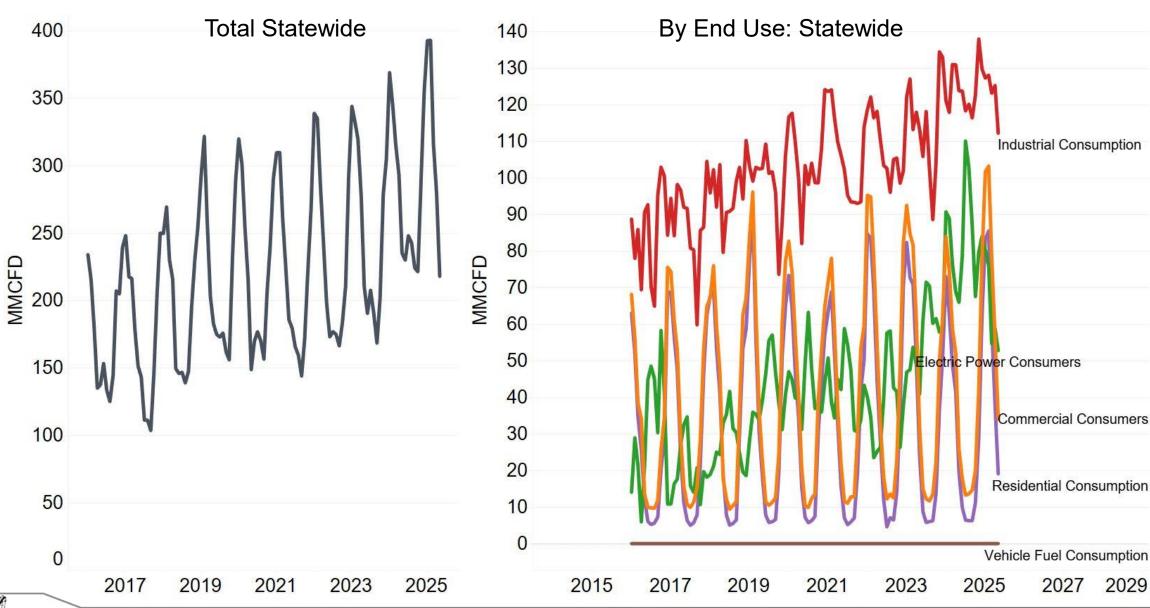


North Dakota Gas Consumption (Annual)





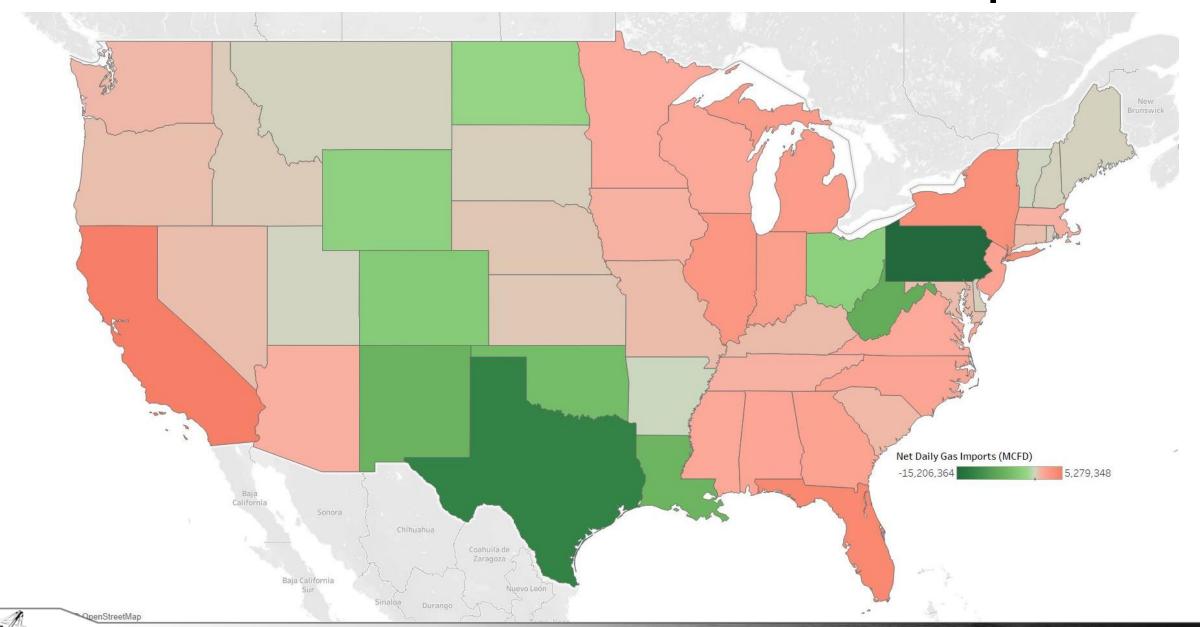
Non-Midstream Consumption (Monthly)



Regional Gas Demand Outlook Changing Rapidly

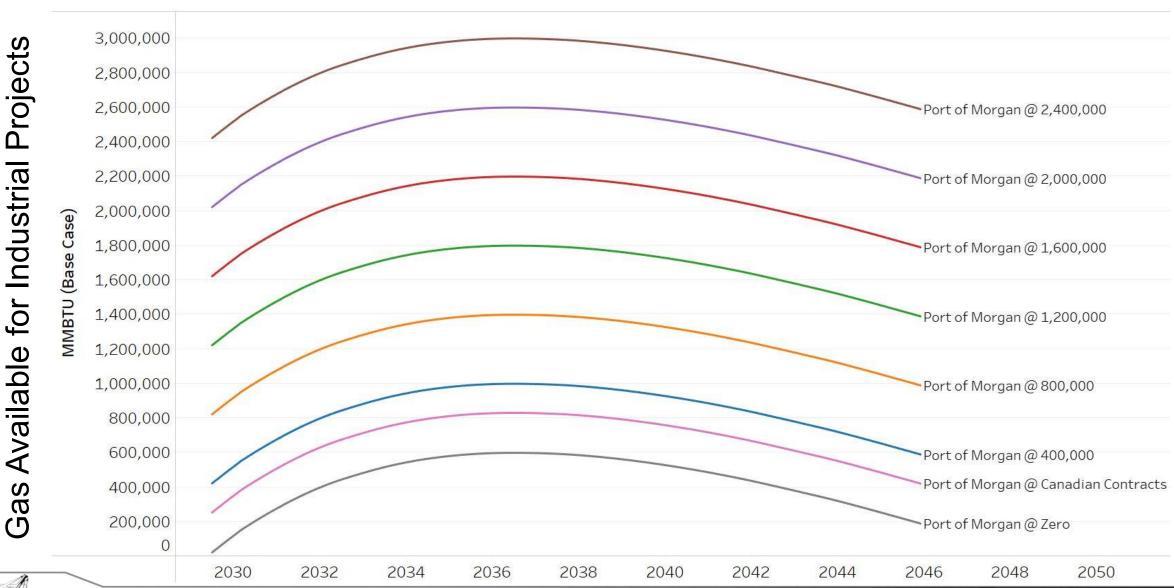


Natural Gas Production/Consumption

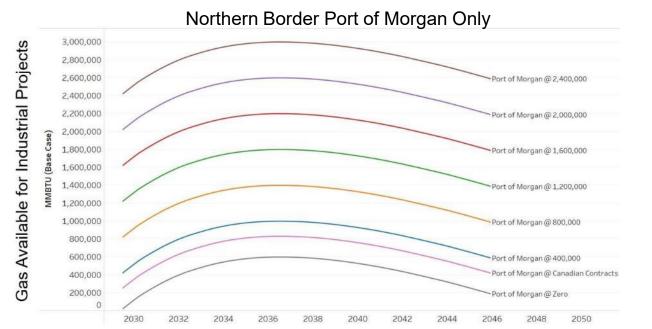


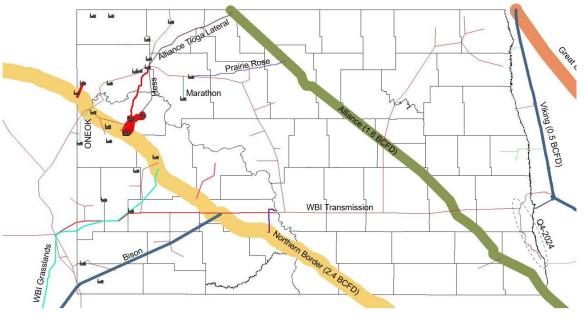
Harnessing Gas for a New Era of Industrial Expansion

Exploring Northern Border Port of Morgan Flows Combined With Bakken Growth



Regional Gas Availability: Reimagining What's Possible





Other Theoretically Possible Scenarios W/Out Any New Pipe

- Bison (re)Reversal: Net 800,000-1,300,000 MMBTU
- Grasslands (re)Reversal: Net 180,000 MMBTU
- Reduced Northern Border Flows Exit North Dakota
- New/Increased Alliance and/or Viking Receipts
- CIG/Elk Basin Movements East to North Dakota

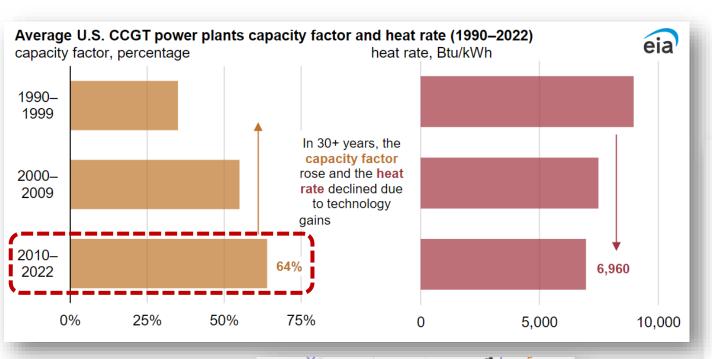


Intermittent Gas-Fired Generation Challenging to Match Oilfield Output

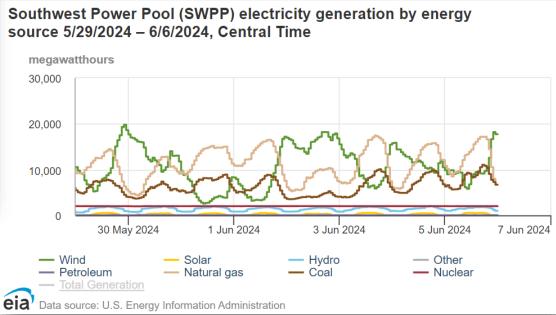
Dickinson

Bison

WBI Storage Field



Gas-fired demand can fluctuate hourly, daily, and weekly, depending on system load, weather, etc.



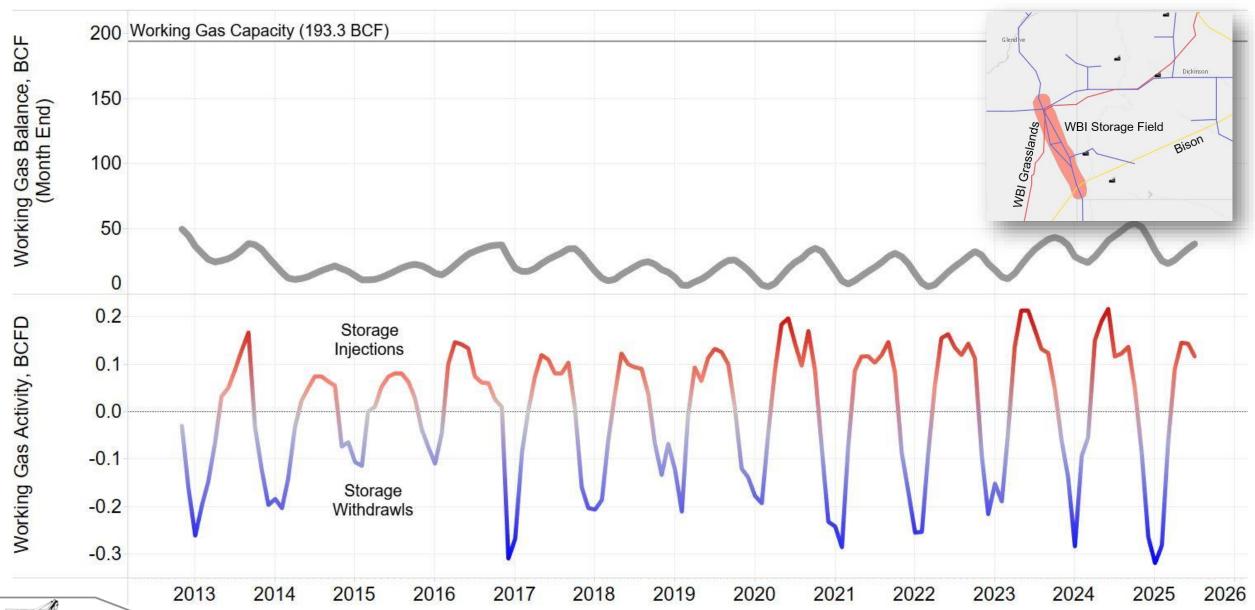
Regional gas storage could provide a balancing solution for intermittent generation, but who pays for the required expansion?



WBI Grasslands

Glend

Residue Gas Storage – WBI Energy*



Options Beyond 2026: The 5 "C's"

Construction (Interstate)

Long-haul Pipe to New or Expanded Markets

Compete

Price Canadian Volumes to Flow Elsewhere

Compression

Increase Capacity on Existing Interstate Systems

Consumption

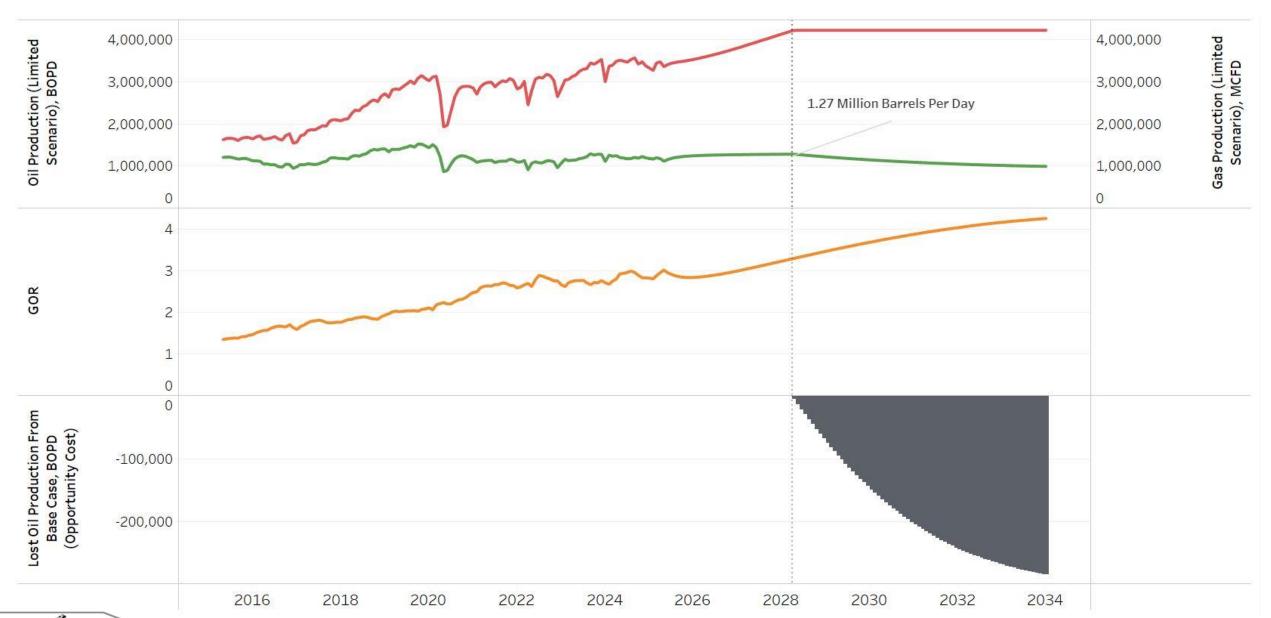
Intra Region Gas Demand Expansion

Contraction

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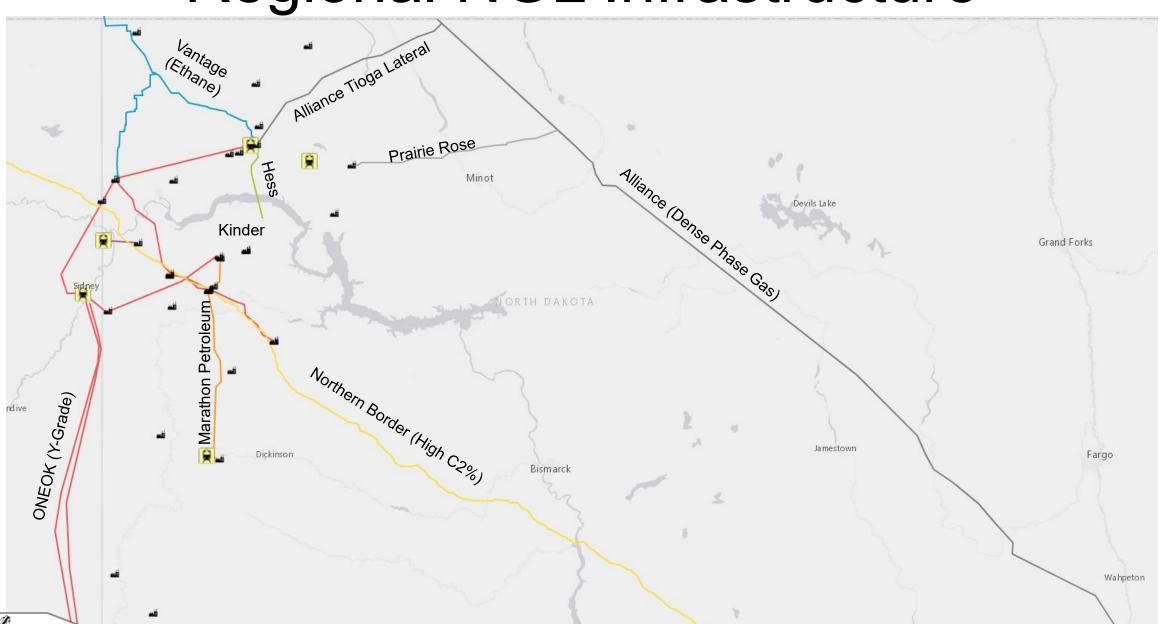


Gas Limitations Could Force Oil Production Down As GOR Rises

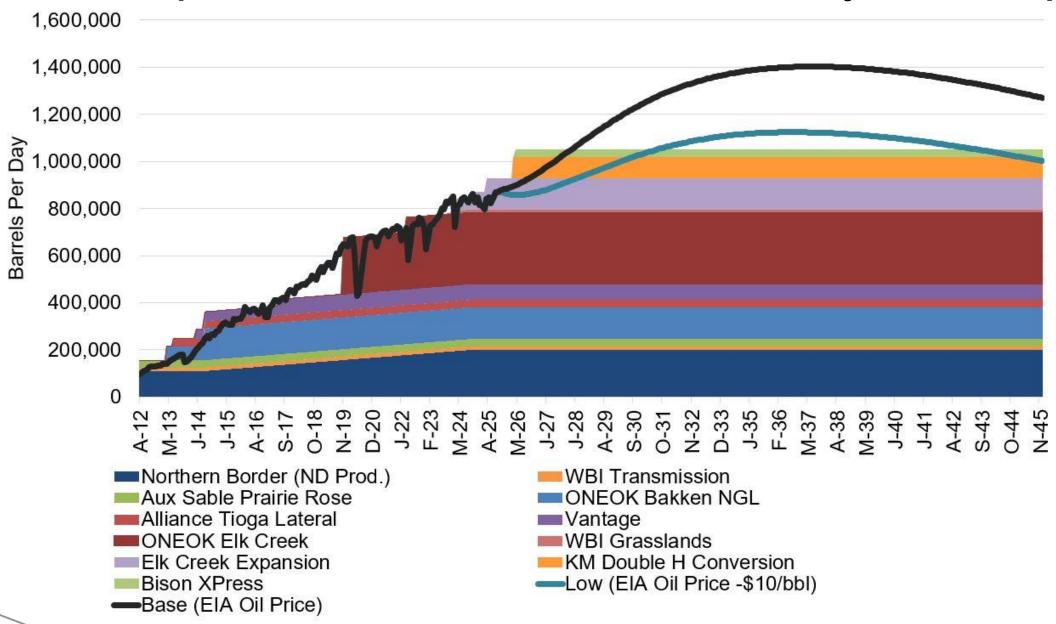




Regional NGL Infrastructure



NGL Transport Needs* – With New Cheyenne Pipes



Contact Information

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E-mail: jjkringstad@ndpipelines.com



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www.northdakotapipelines.com



