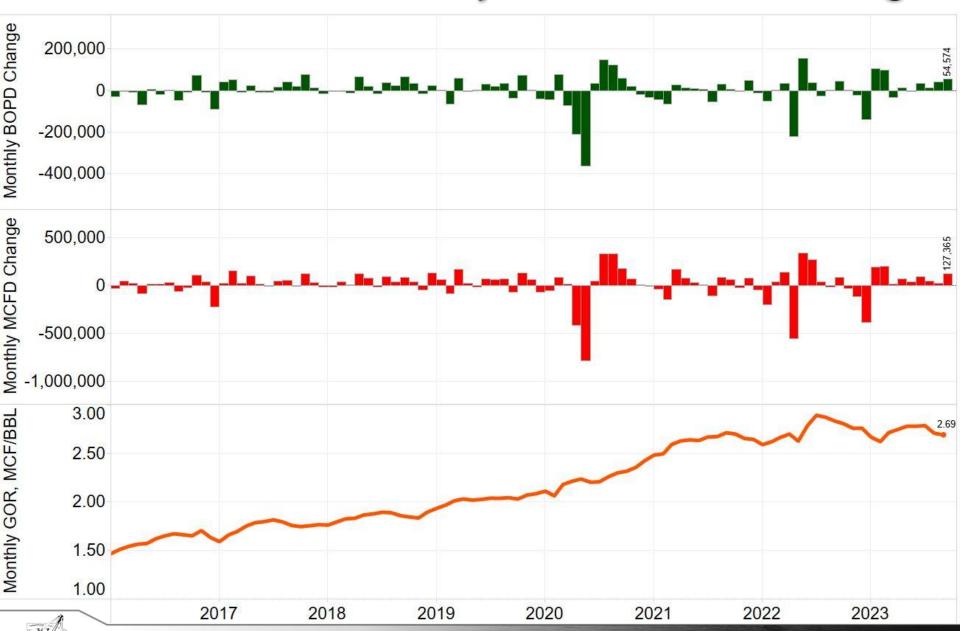


November 2023 Monthly Update North Dakota Pipeline Authority Justin J. Kringstad November 14, 2023

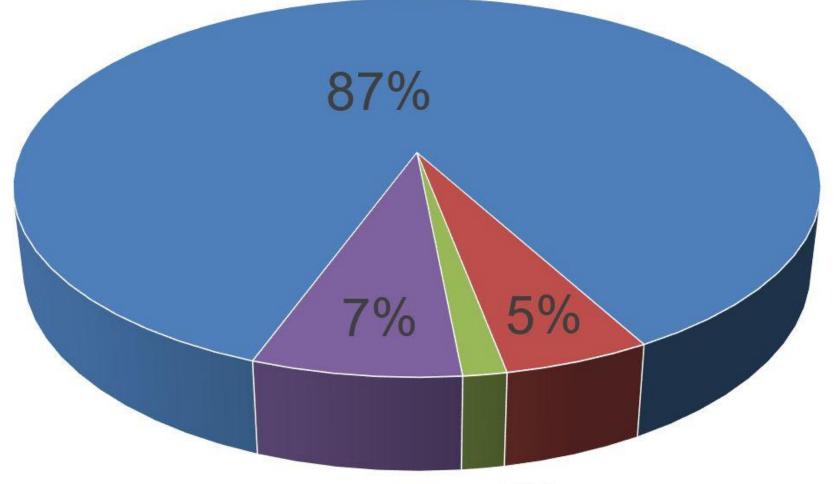
US Williston Basin Oil Production - 2023

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,062,880	62,094	2,610	1,127,584
February	1,159,036	63,536	2,475	1,225,047
March	1,124,897	64,580	2,652	1,192,129
April	1,135,840	61,897	2,557	1,200,294
May	1,135,761	60,760	2,560	1,199,081
June	1,168,269	58,889	2,274	1,229,432
July	1,181,513		2,310	
August	1,223,617			
September	1,278,190			
October		:	ž	
November				
December				

North Dakota Monthly Production Change



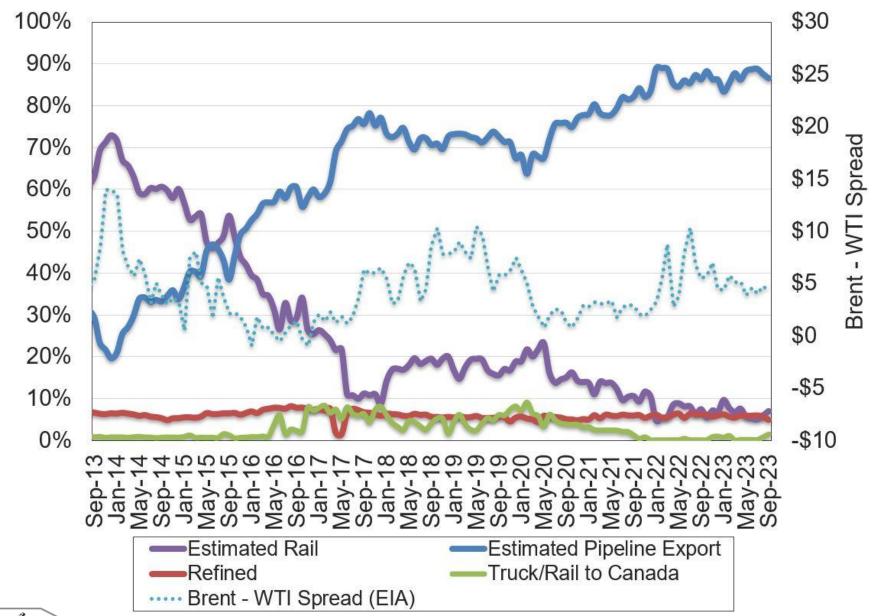
Estimated Williston Basin Oil Transportation



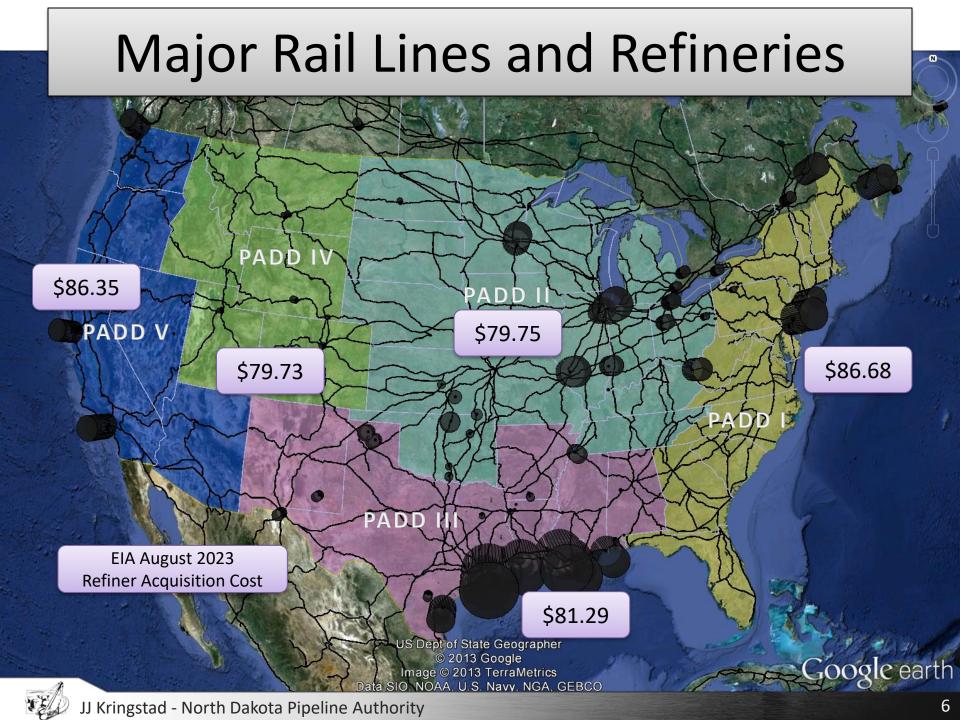
- Pipeline Export
- Truck/Rail to Canada
- 1% Refined
 - Estimated Rail Sep 2023



Estimated Williston Basin Oil Transportation





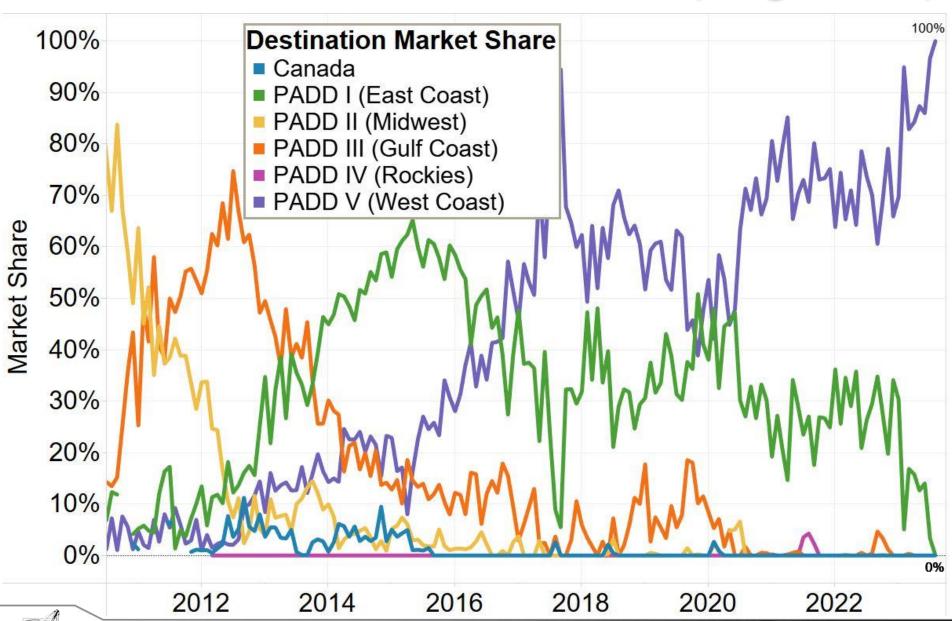


Estimated ND Rail Export Volumes

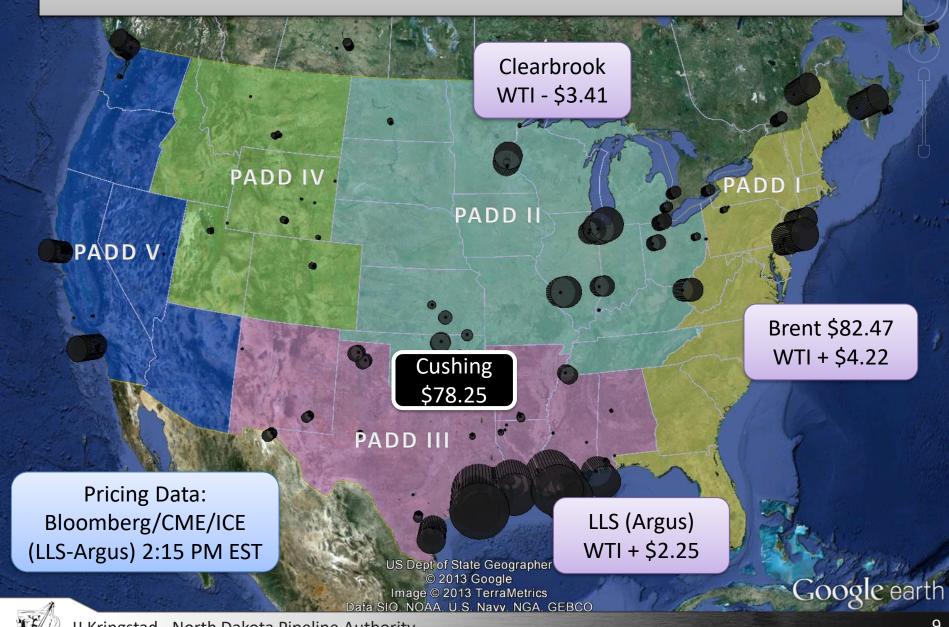




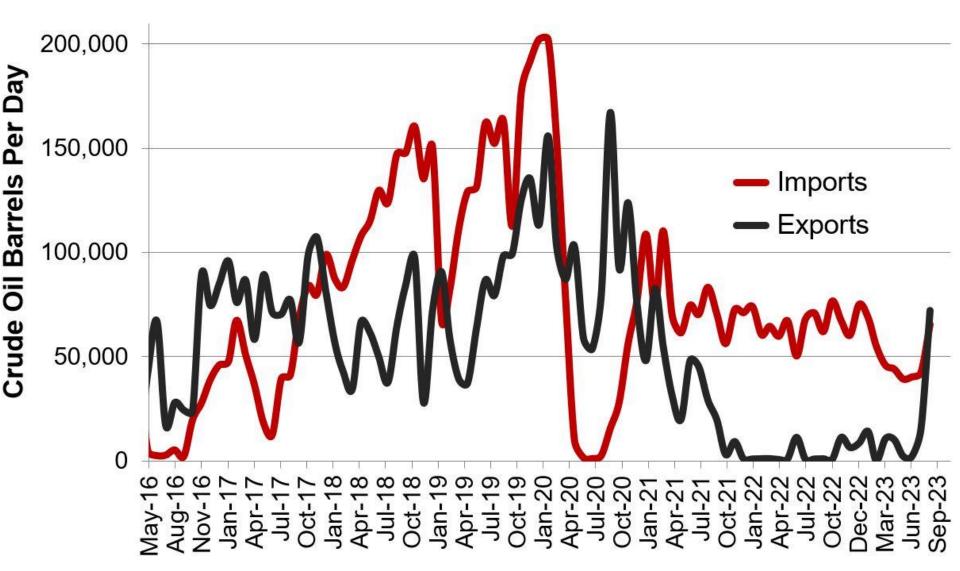
Rail Destinations Market Share (Aug. 2023)



Crude Oil Prices – Nov. 14, 2023



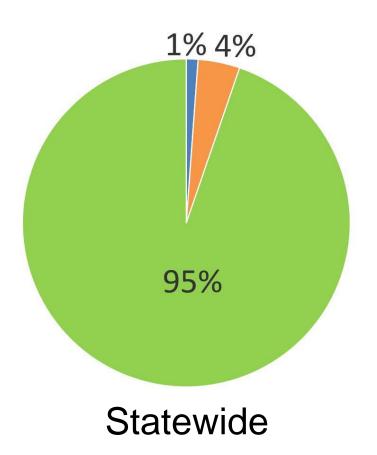
Williston Basin Truck/Rail Imports and Exports with Canada



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



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

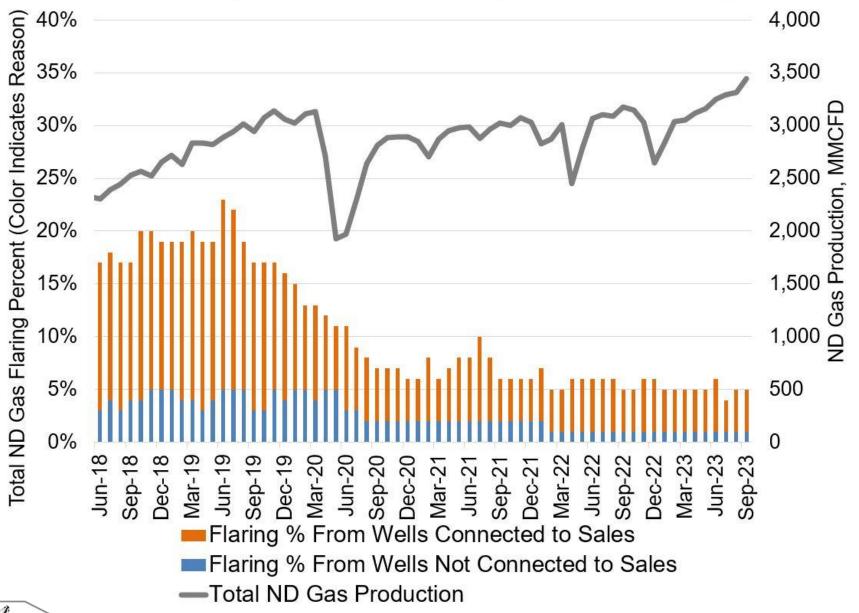
Simple Terms

Blue – Lack of pipelines

Orange – Challenges on existing infrastructure

Sep. 2023 Data - Non-Confidential Wells

Solving the Flaring Challenge



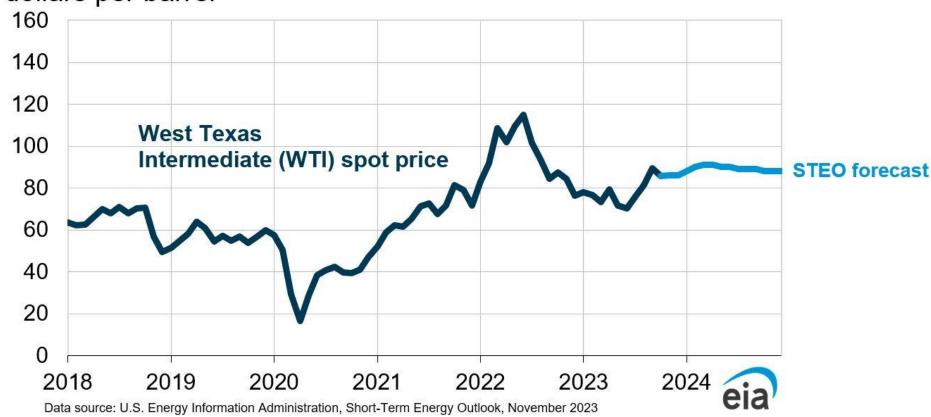
Solving the Flaring Challenge 300 New Wells Selling Gas -New Producing Wells 250 200 150 100 50 8/1/2019 3/1/2020 10/1/2020 5/1/2021 |2/1/2021 7/1/2022 6/1/201 1/1/201 8/1/201 3/1/201 5/1/201 7/1/201 2/1/201 4/1/201 6/1/201 6/1/201



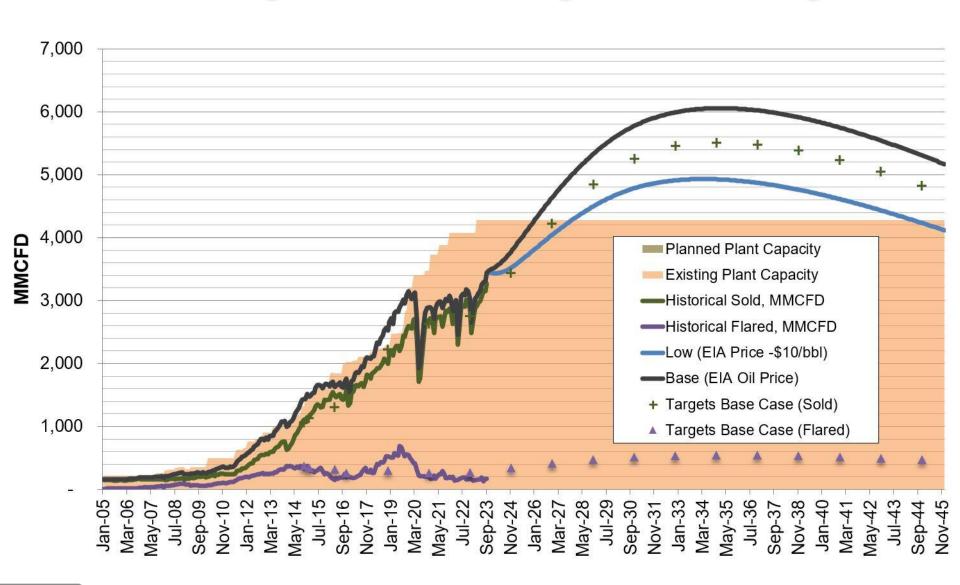
EIA Oil Price Forecast: Nov. 2023

West Texas Intermediate (WTI) crude oil price

dollars per barrel

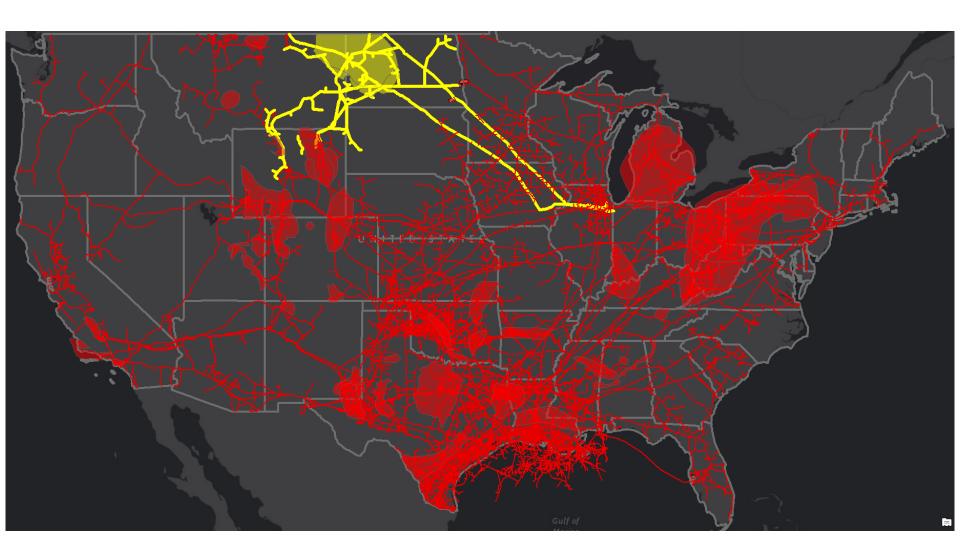


Solving the Flaring Challenge





Bakken Natural Gas Infrastructure



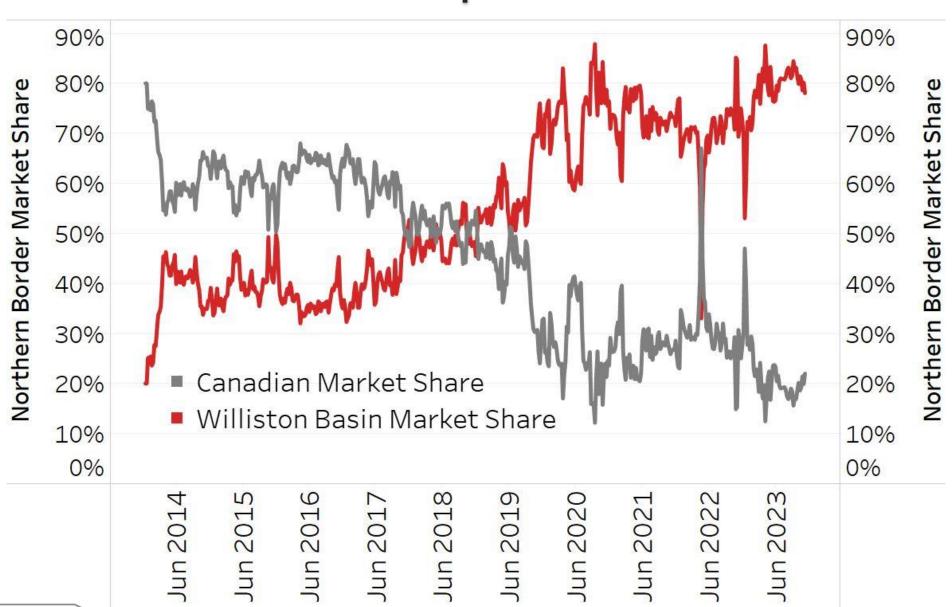


Bakken Natural Gas Infrastructure



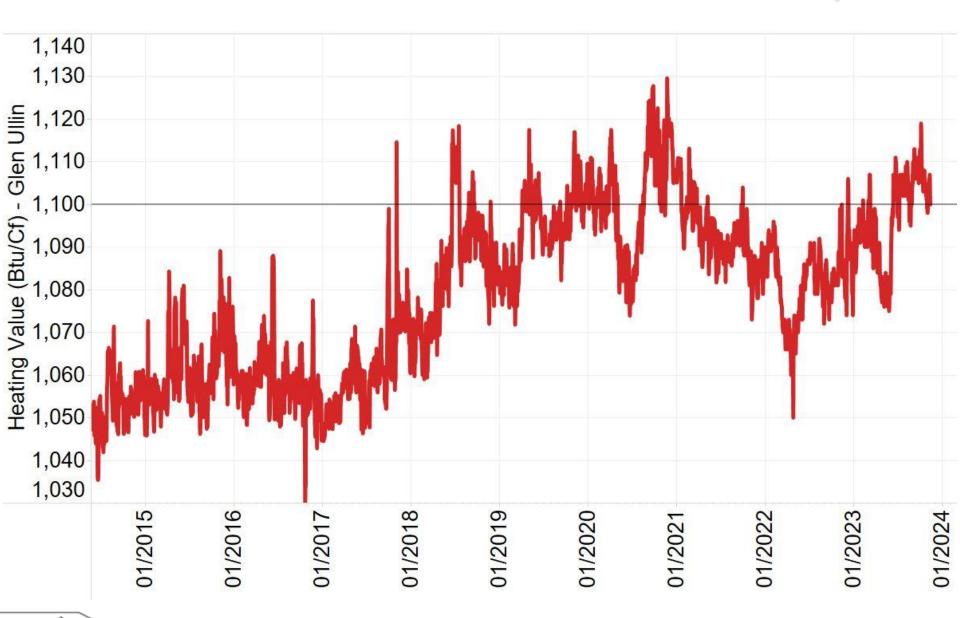


Northern Border Pipeline Market Share





Northern Border BTU at Glen Ullin, ND





Bakken Natural Gas Infrastructure





WBI Energy – Wahpeton Expansion

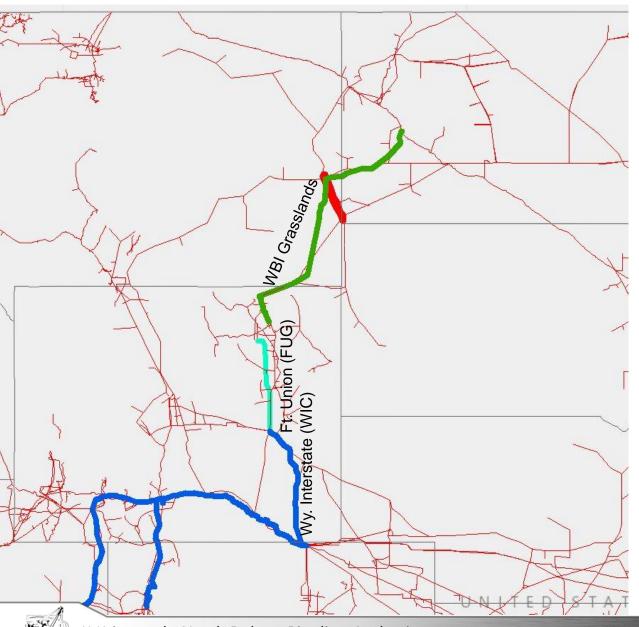


Project Highlights

- \$75 million, 60.5 miles of 12-inch diameter natural gas pipeline
- Providing up to 20 million cubic feet of natural gas per day to southeastern North Dakota
- Starting point: WBI Energy's existing Mapleton Compressor Station near Mapleton, North Dakota
- End point: A new delivery station near Wahpeton, North Dakota
- Also provide natural gas service for the first time to Kindred, North Dakota.
- The Project may include the installation of farm taps along the pipeline route.
- FERC approval granted Oct 19, 2023
- Projected in-service, late 2024



WBI Energy – Grasslands South Project



Project Highlights

- Binding open season Jan 10Feb 25, 2022
- Repurpose Grasslands Pipeline (16")
- Capacity 94,000 Dth/Day
- Access to Baker storage
 - Fort Union Gas Gathering and Wyoming Interstate Company provide further transport to Cheyenne hub.

Contact Information

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