



December 2023 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
December 21, 2023

US Williston Basin Oil Production - 2023

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,062,880	62,110	2,610	1,127,600
February	1,159,036	63,553	2,475	1,225,064
March	1,124,897	64,593	2,652	1,192,142
April	1,135,840	61,926	2,557	1,200,323
May	1,135,761	61,258	2,560	1,199,579
June	1,168,269	59,612	2,274	1,230,155
July	1,181,513	56,845	2,310	1,240,668
August	1,223,617	61,999		
September	1,280,052	61,779		
October	1,244,857			
November				
December				



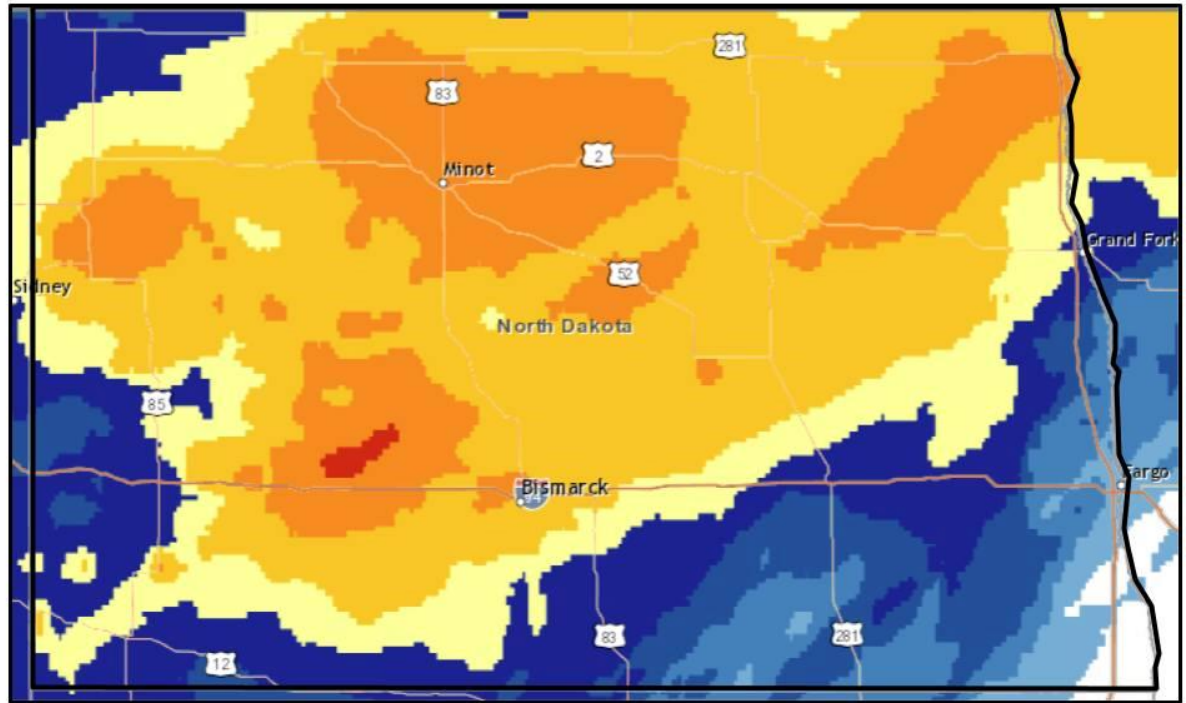
Late October Winter Weather

October 27, 2023
10:31 AM



Winter Storm Snow Totals October 25th-26th

Storm Total Snow



City	Snowfall Total
Stanley	15.5
Washburn	14
Harvey	14
Hazen	14
New England	13.3
Lansford	12.1
Minot	12
Williston	11
Gladstone	10
Mylo	9.5
Rhame	9
(NWS) Bismarck	8.8
Glen Ullin	7.8
Jamestown	3.0



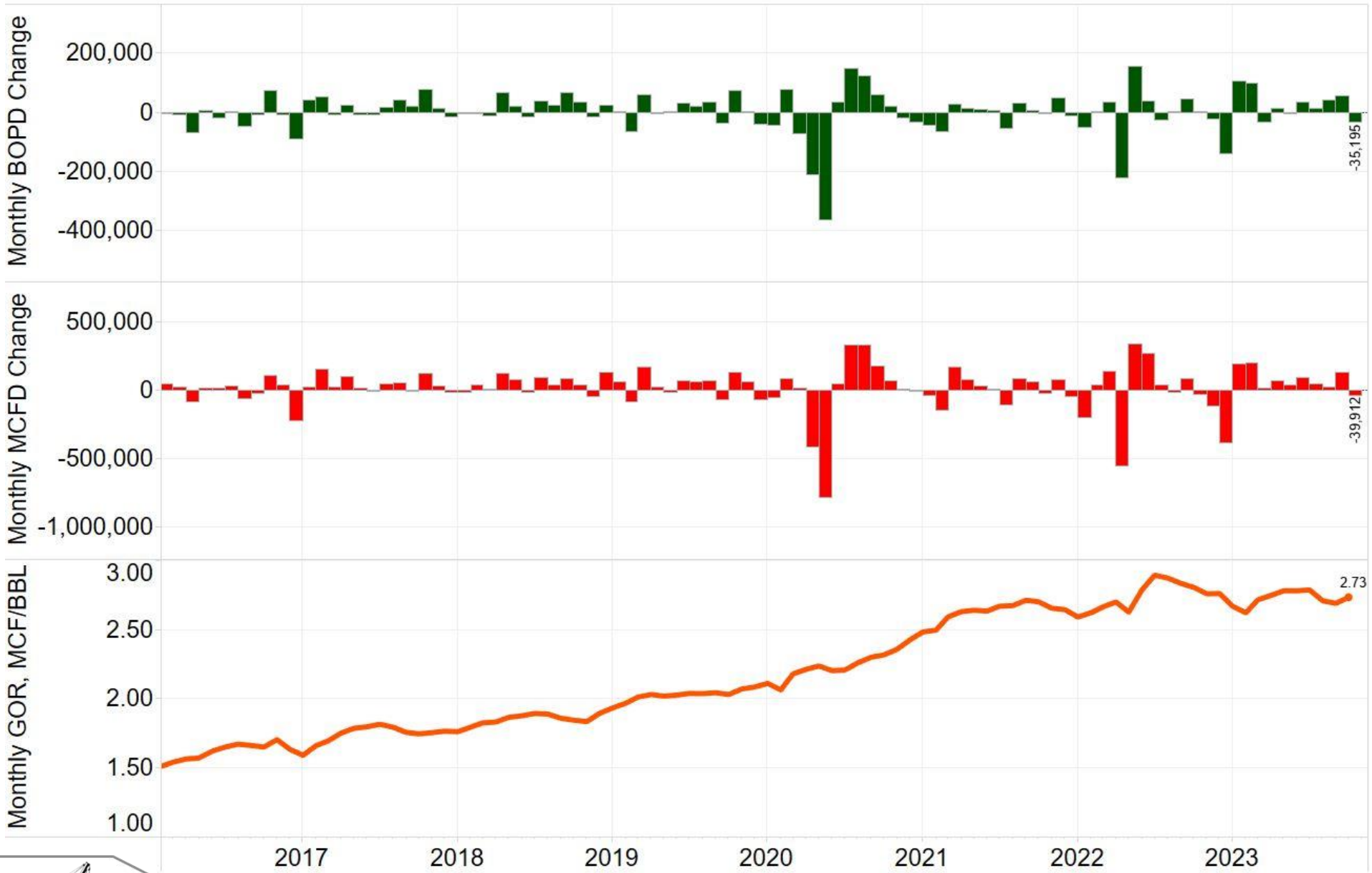
*Snow map provided by NOHRSC snowfall estimates



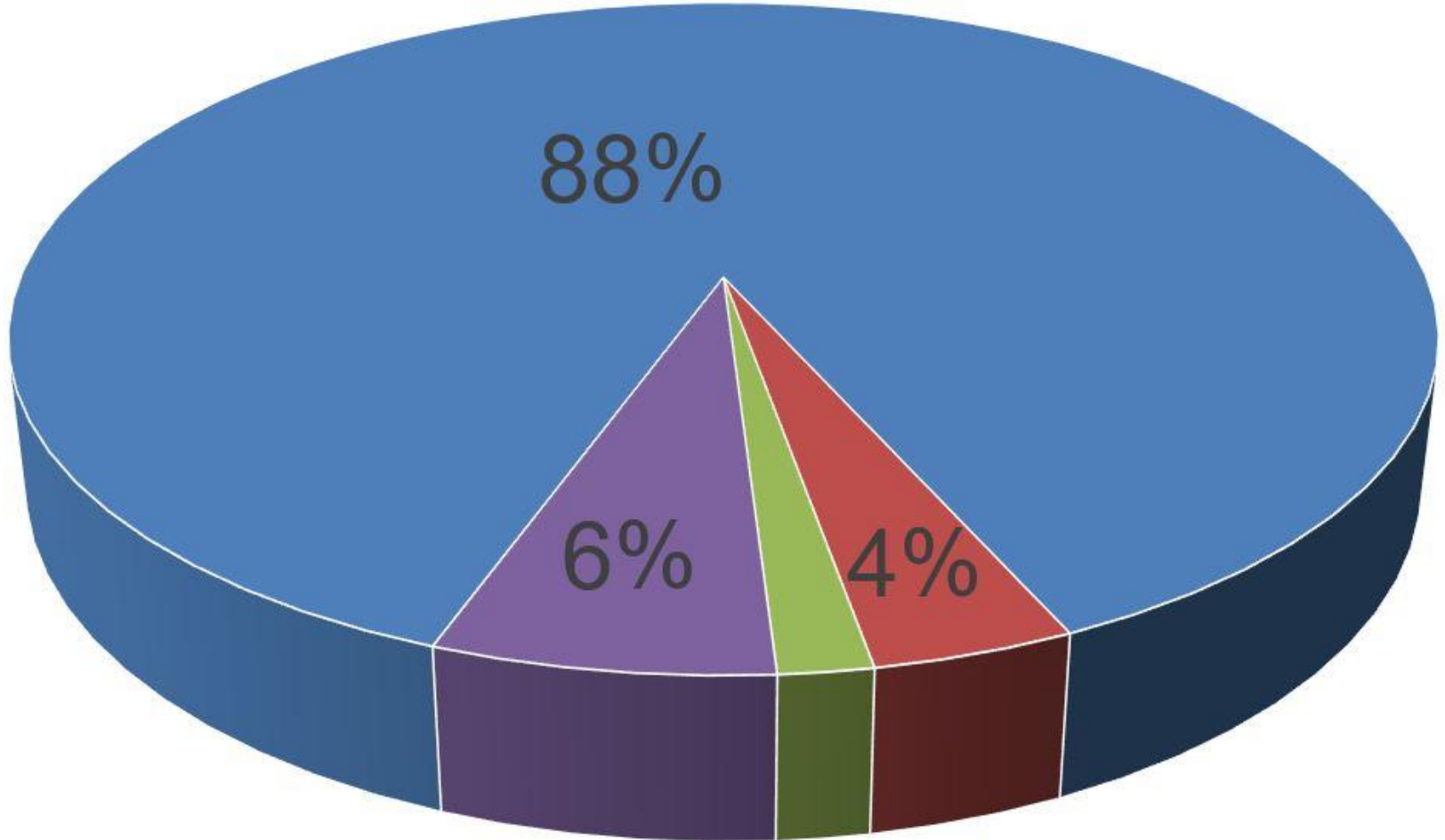
National Weather Service
Bismarck, ND



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation

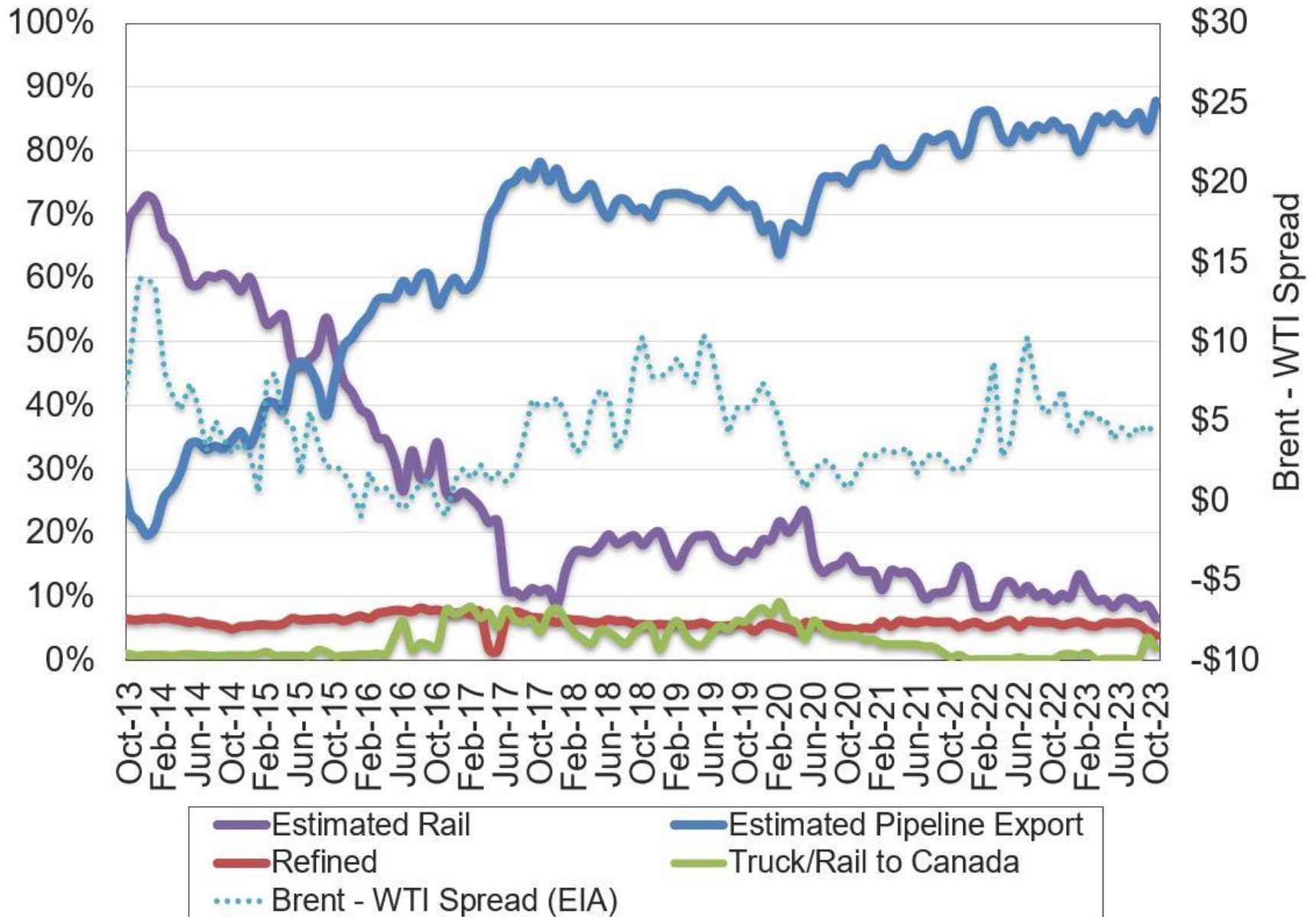


- Pipeline Export
- Estimated Rail
- Truck/Rail to Canada
- Refined

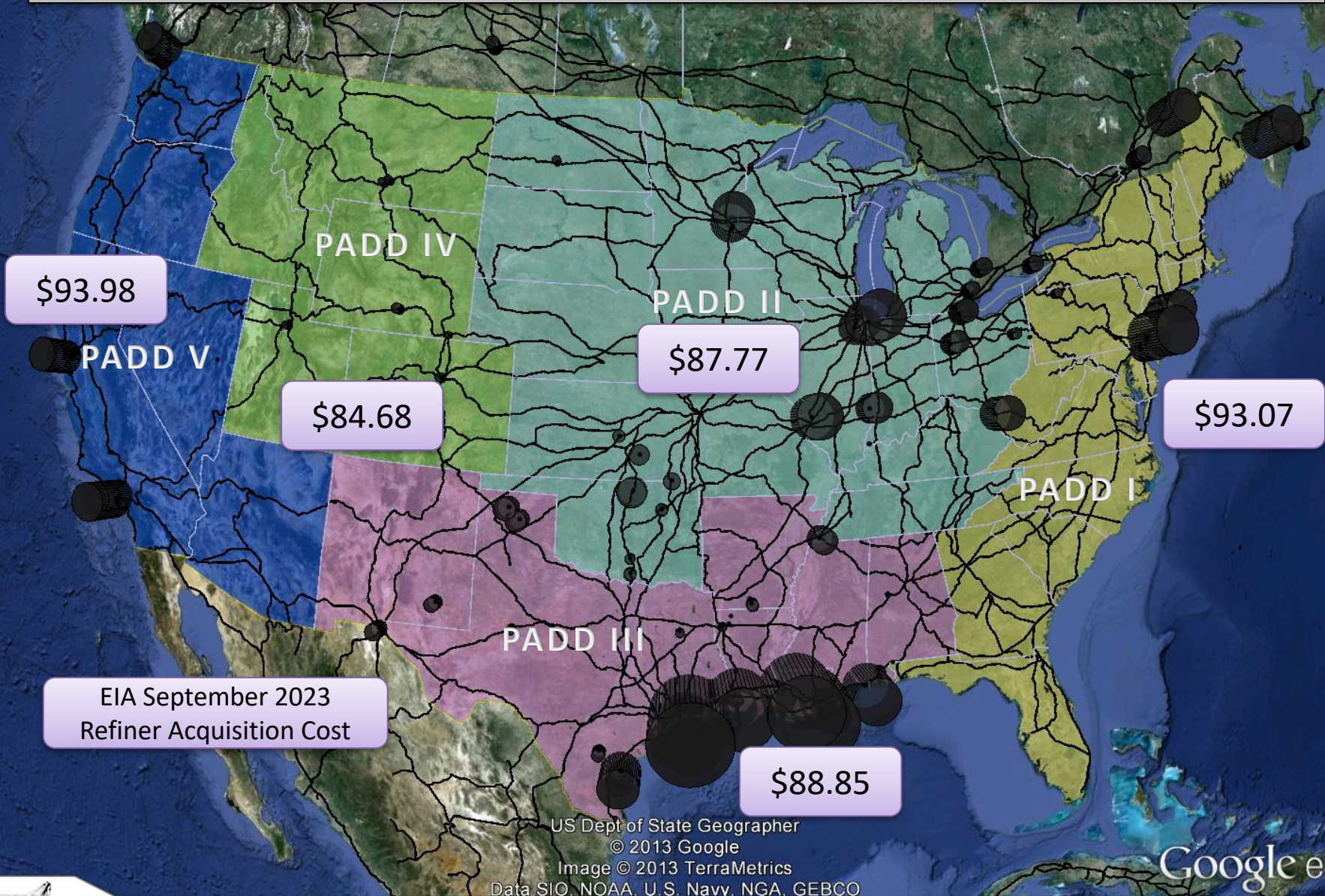
Oct 2023



Estimated Williston Basin Oil Transportation



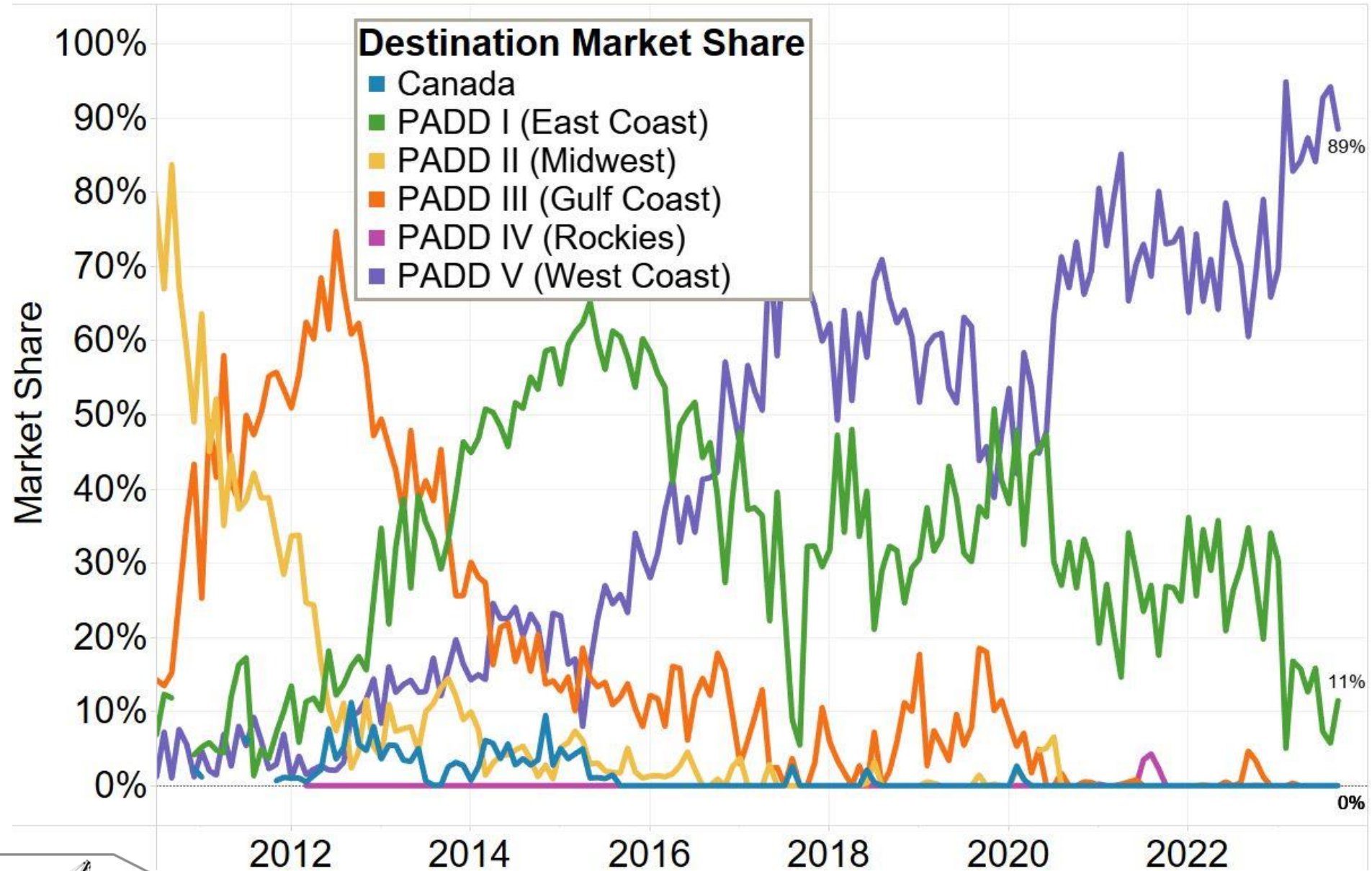
Major Rail Lines and Refineries



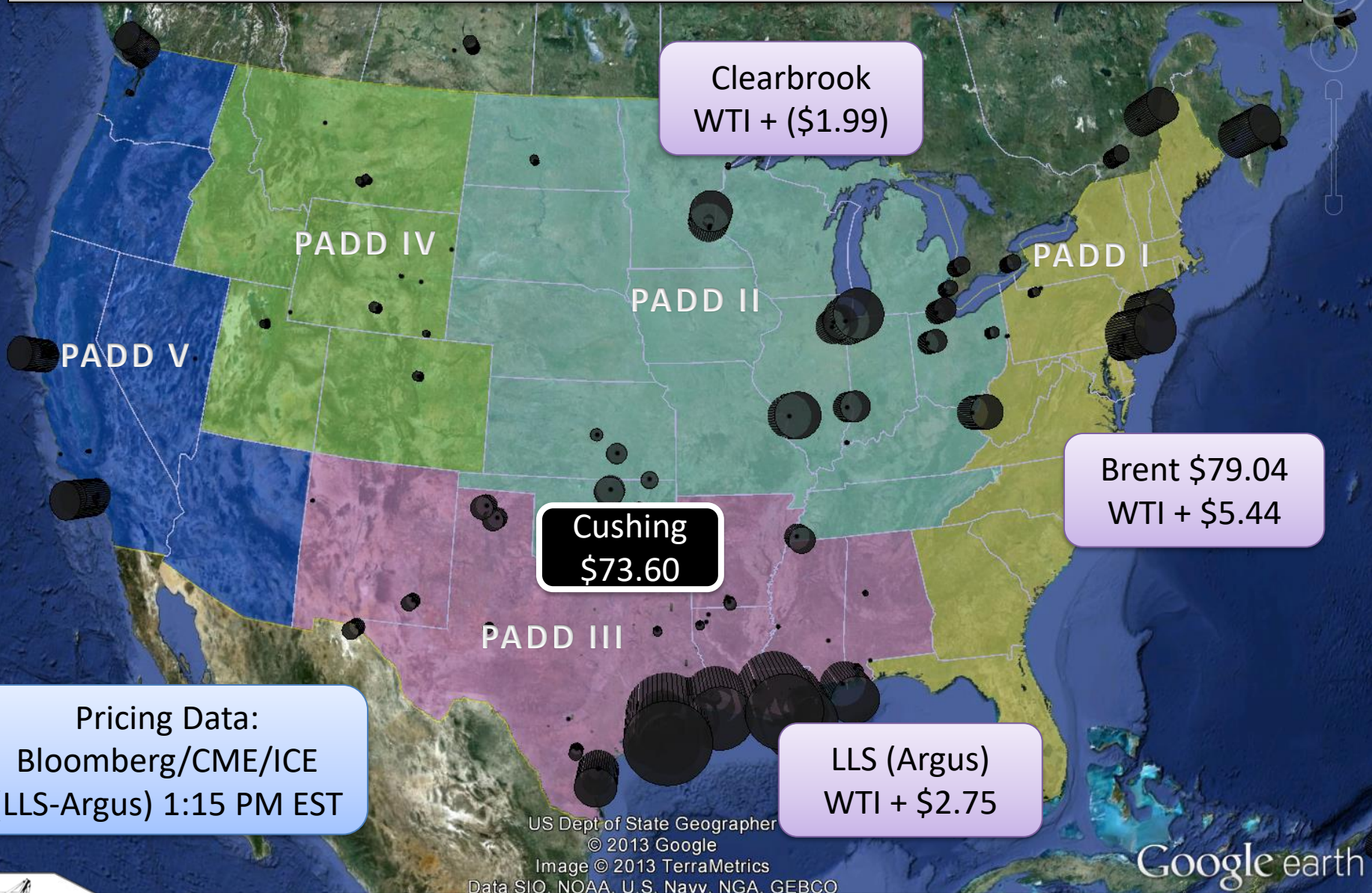
Estimated ND Rail Export Volumes



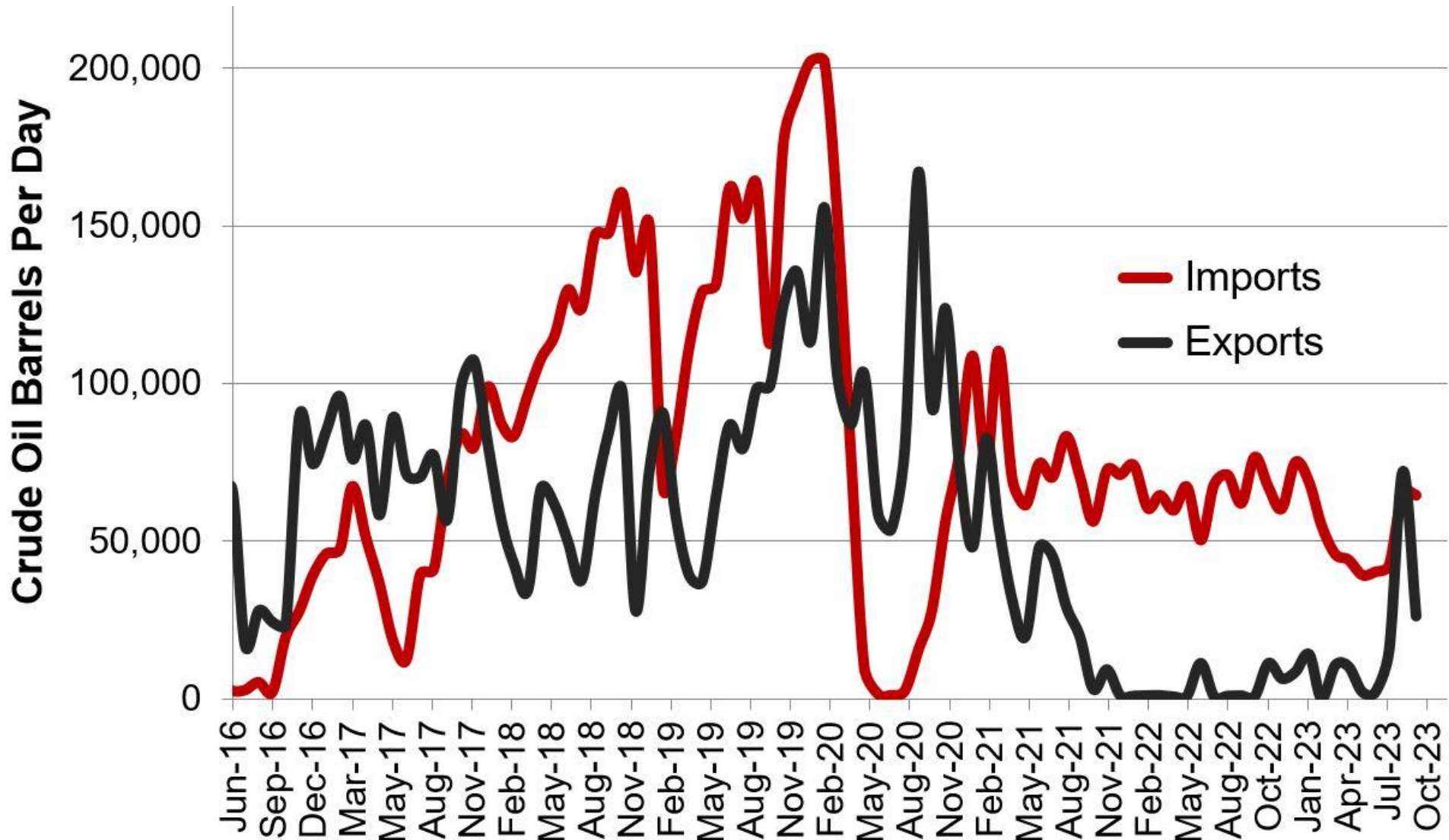
Rail Destinations Market Share (Sep. 2023)



Crude Oil Prices – Dec. 21, 2023



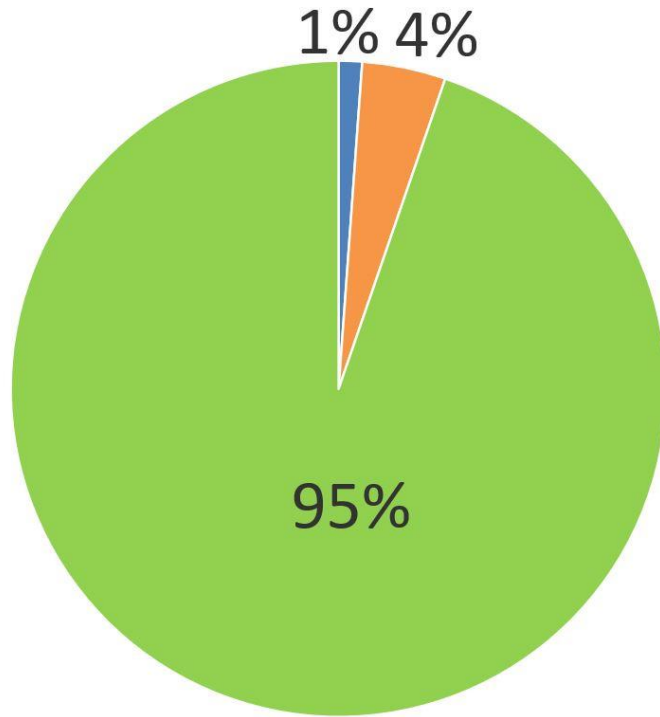
Williston Basin Truck/Rail Imports and Exports with Canada



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



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

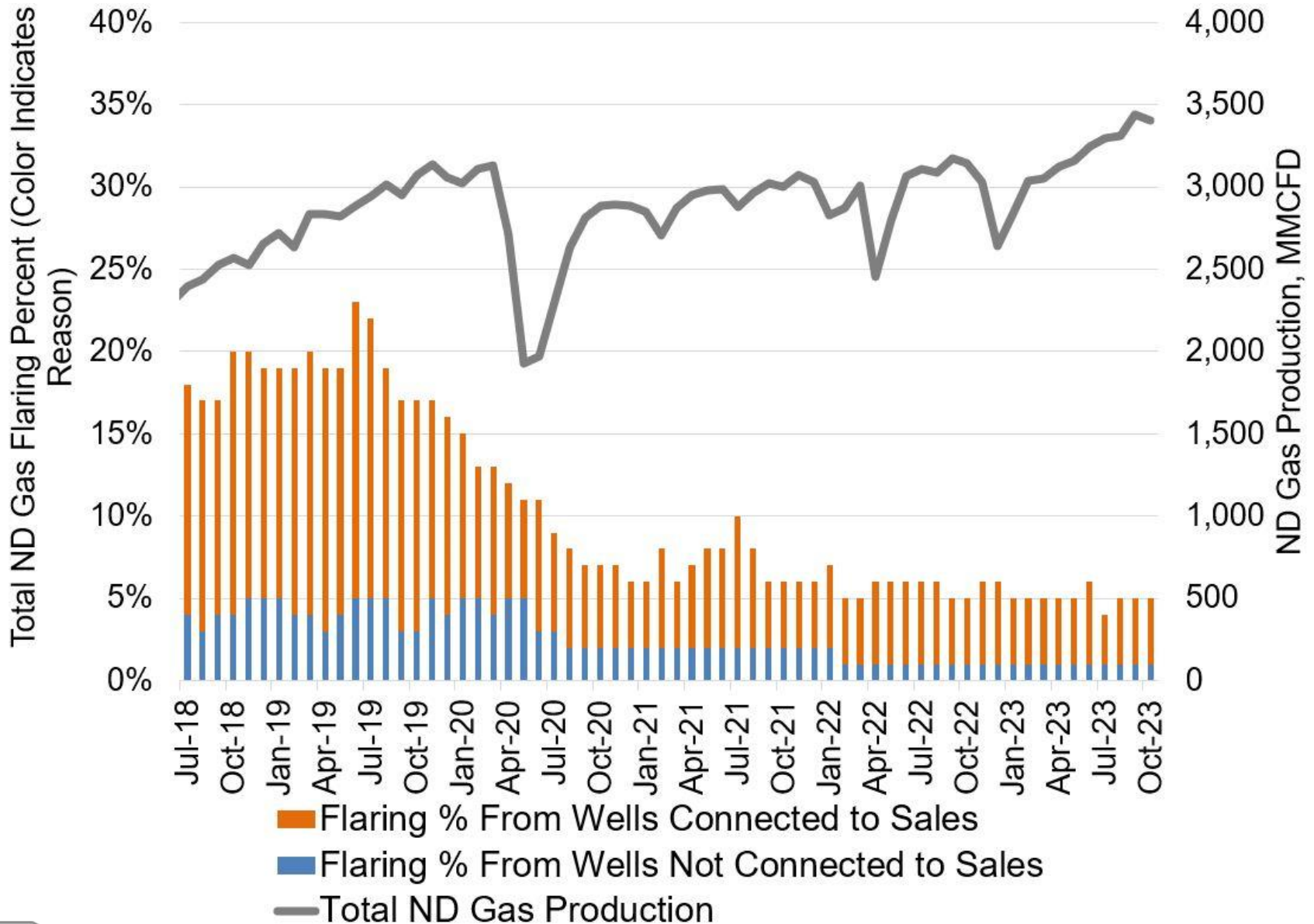
Blue – Lack of pipelines

Orange – Challenges on existing infrastructure

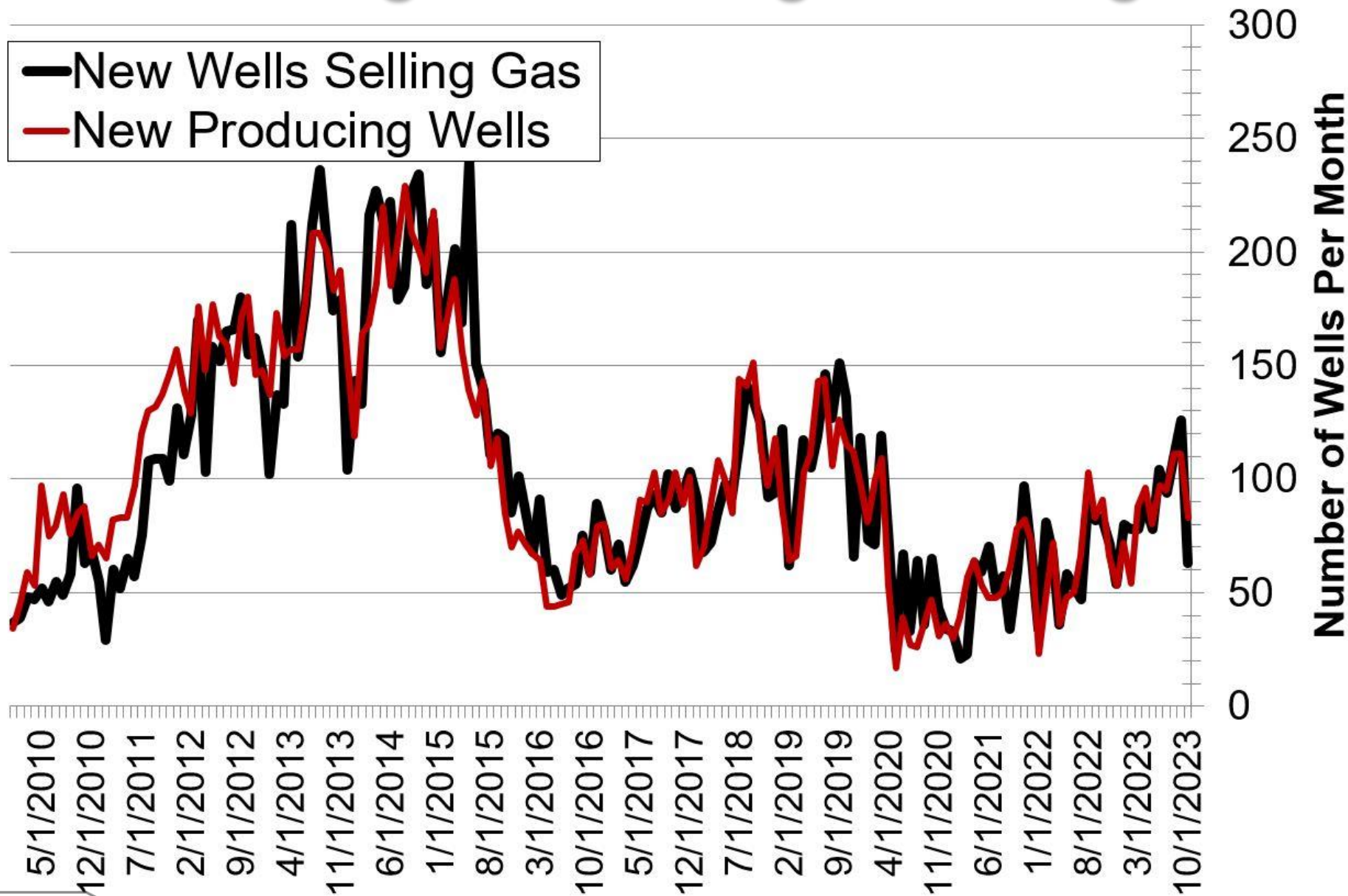
Oct. 2023 Data – Non-Confidential Wells



Solving the Flaring Challenge

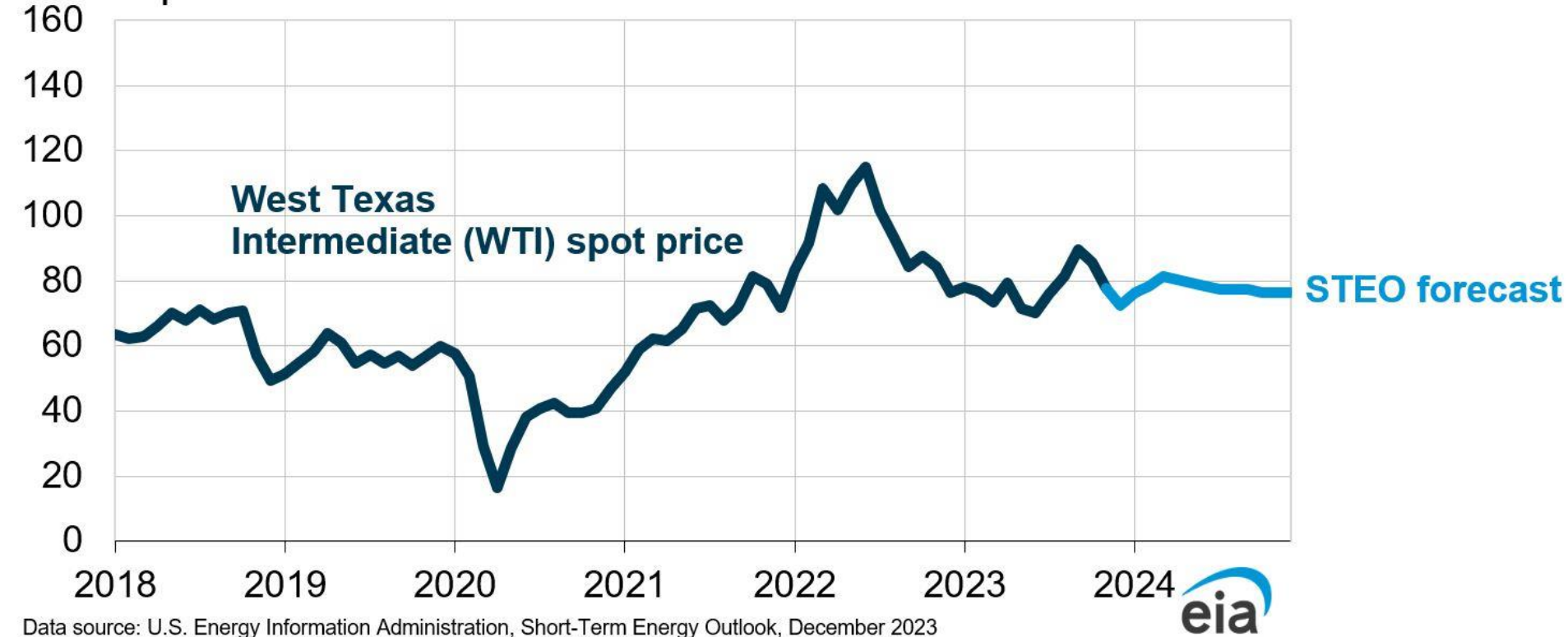


Solving the Flaring Challenge

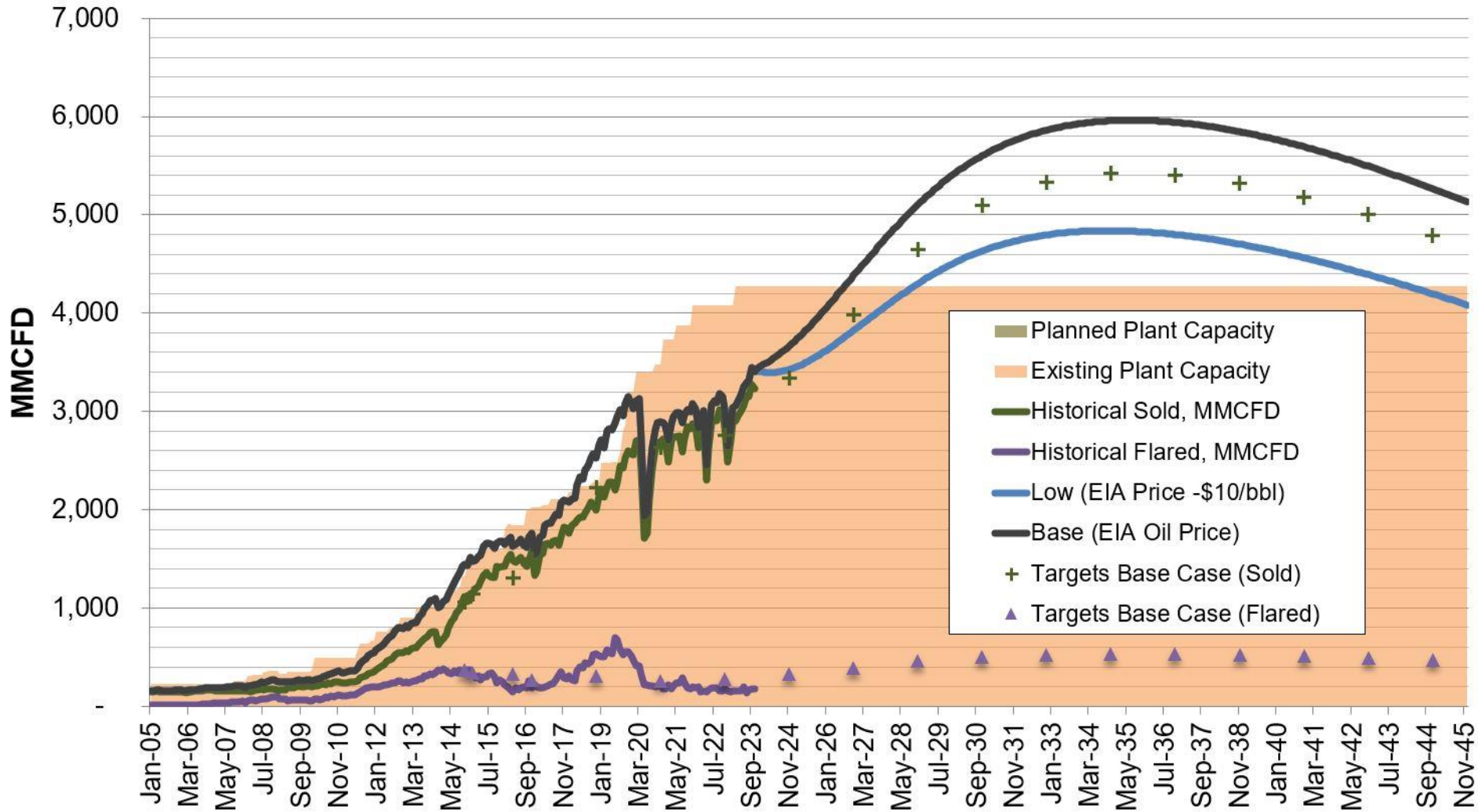


EIA Oil Price Forecast: Dec. 2023

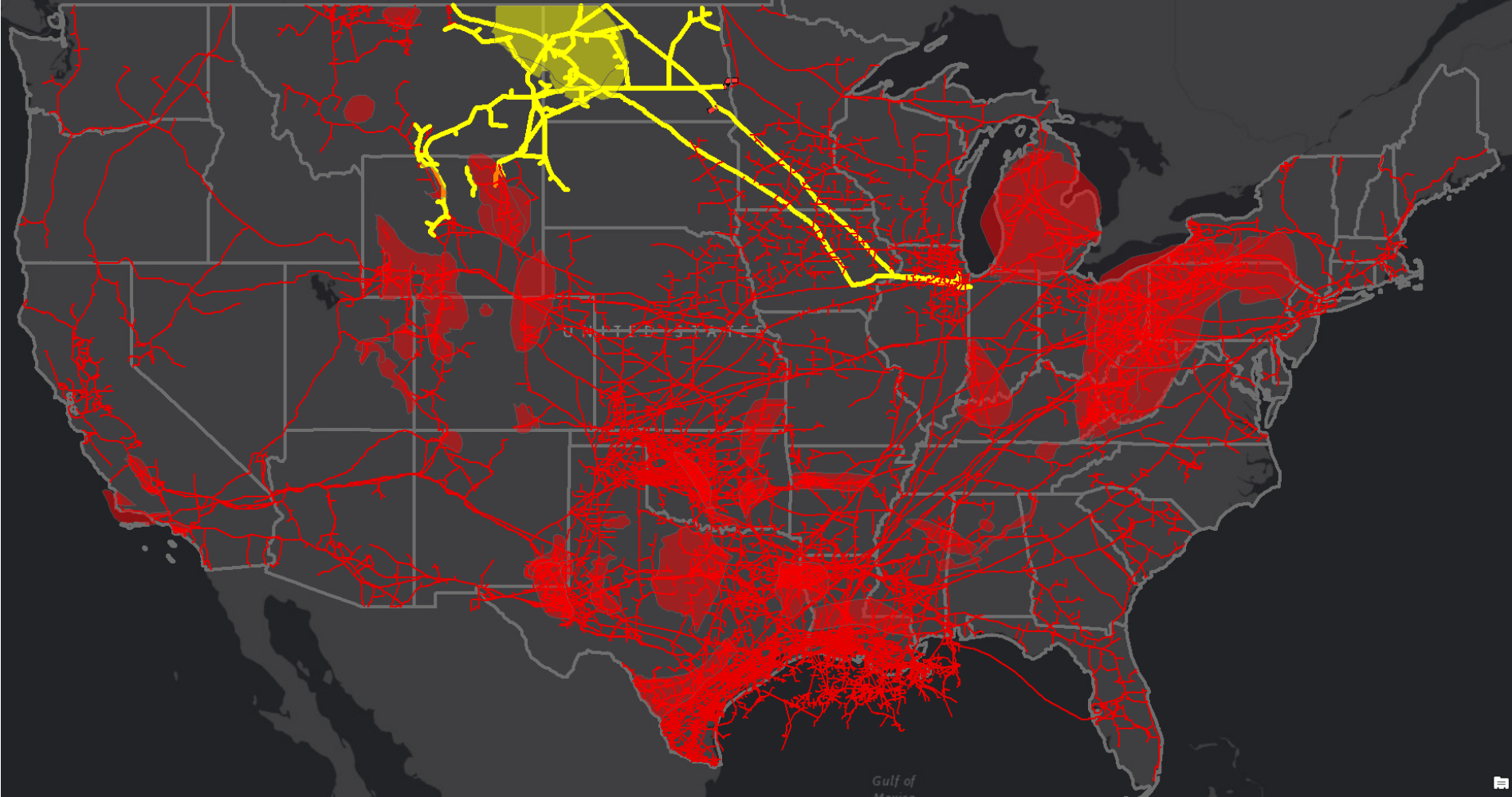
West Texas Intermediate (WTI) crude oil price dollars per barrel



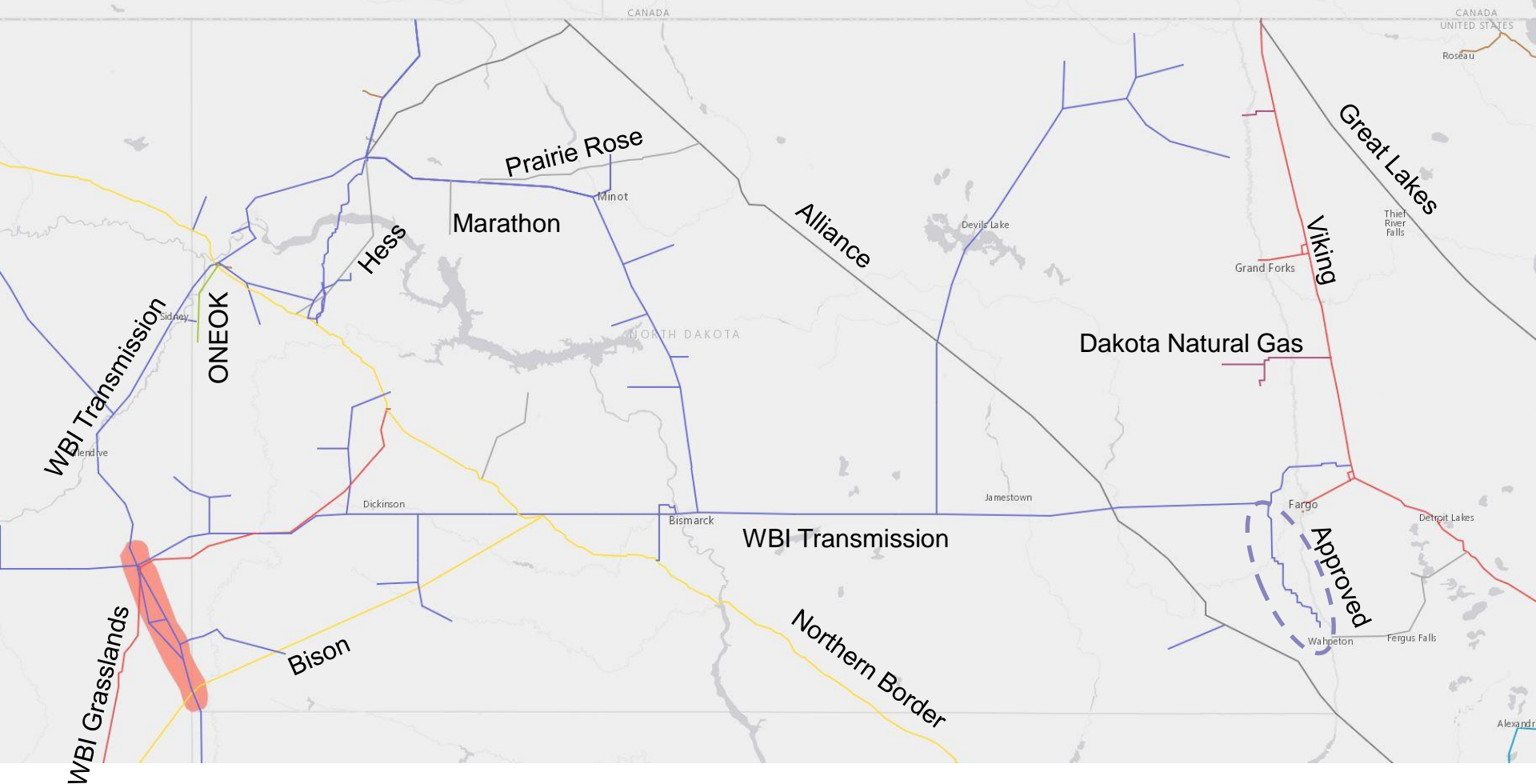
Solving the Flaring Challenge



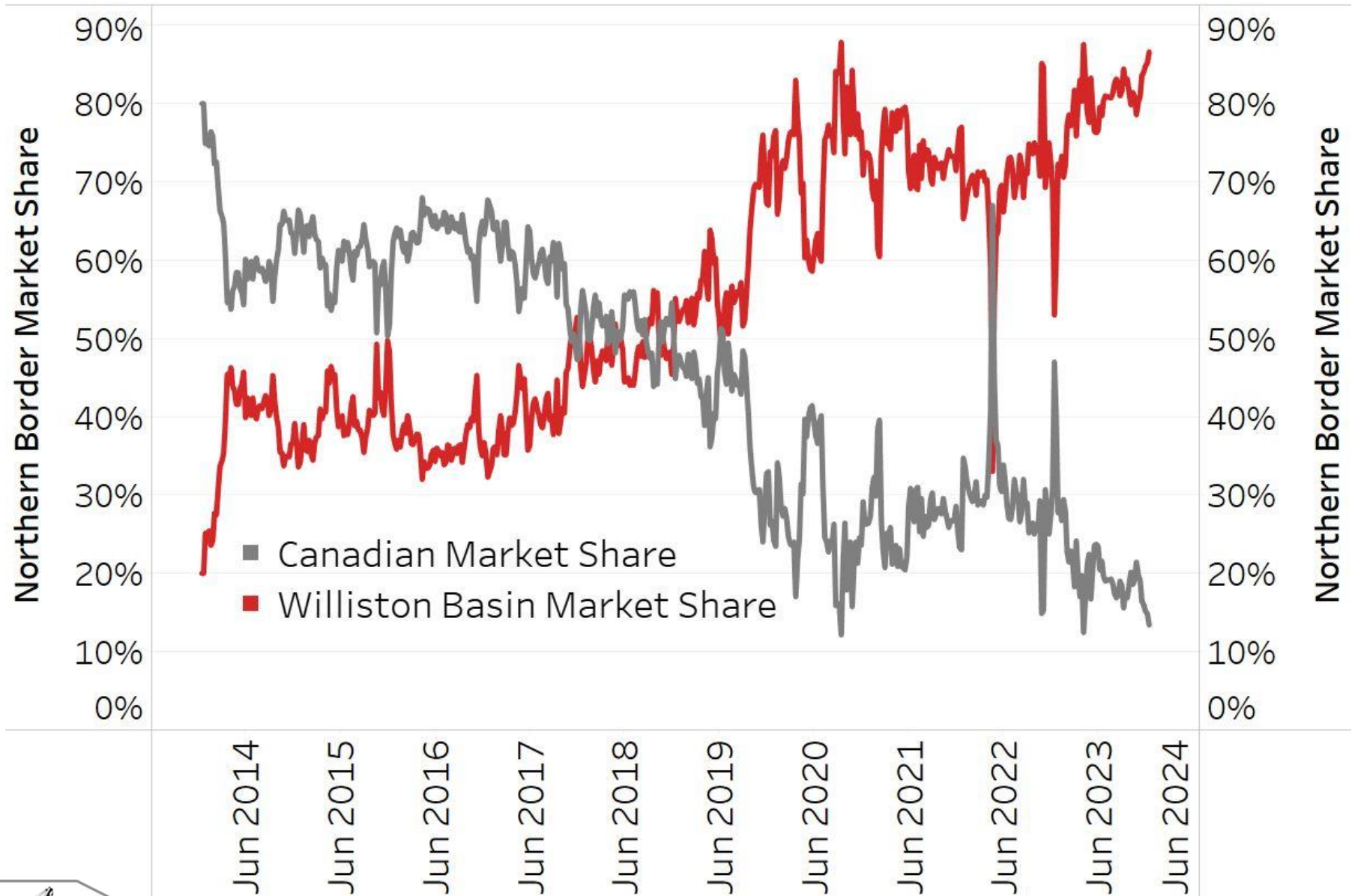
Bakken Natural Gas Infrastructure



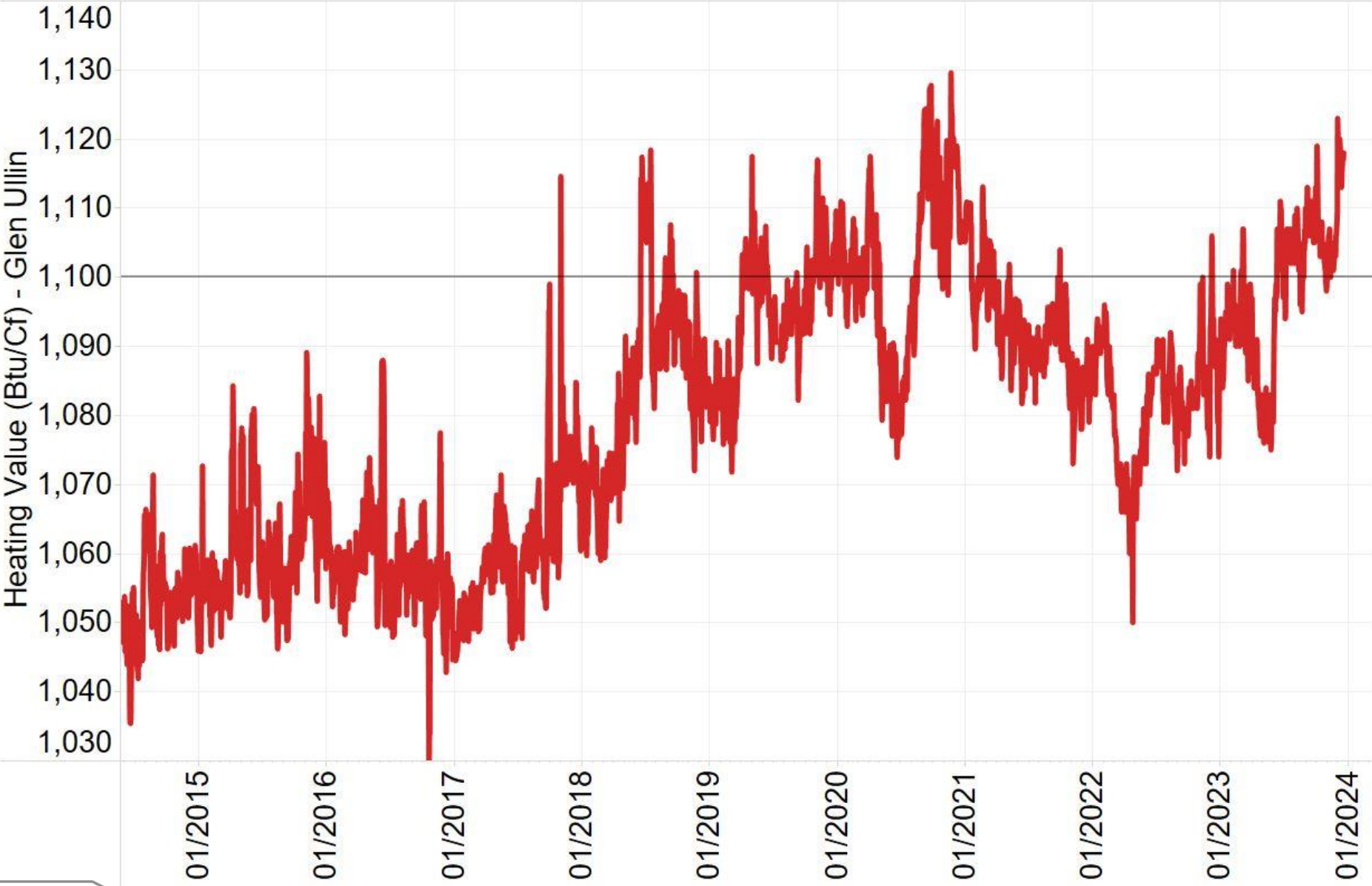
Bakken Natural Gas Infrastructure



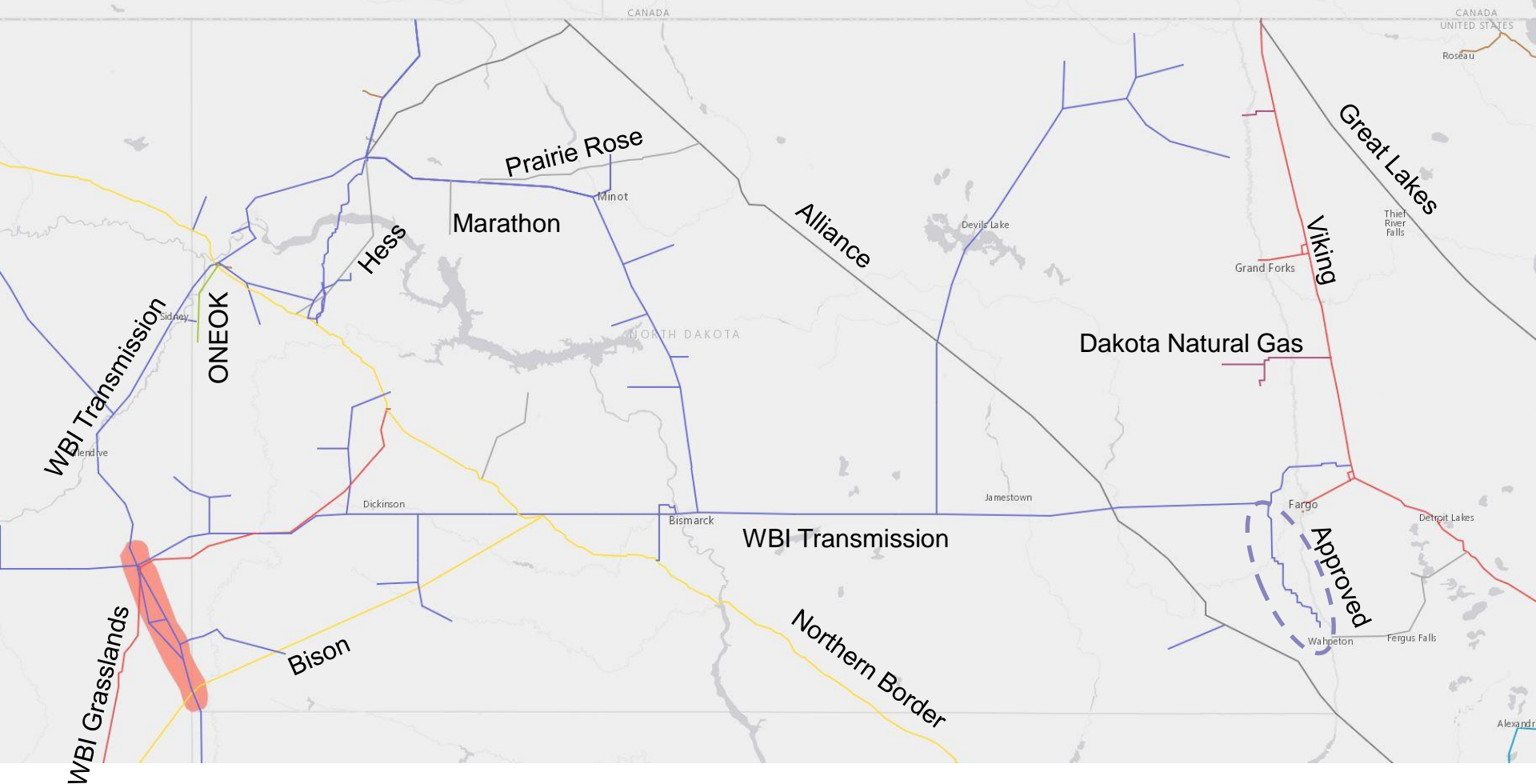
Northern Border Pipeline Market Share



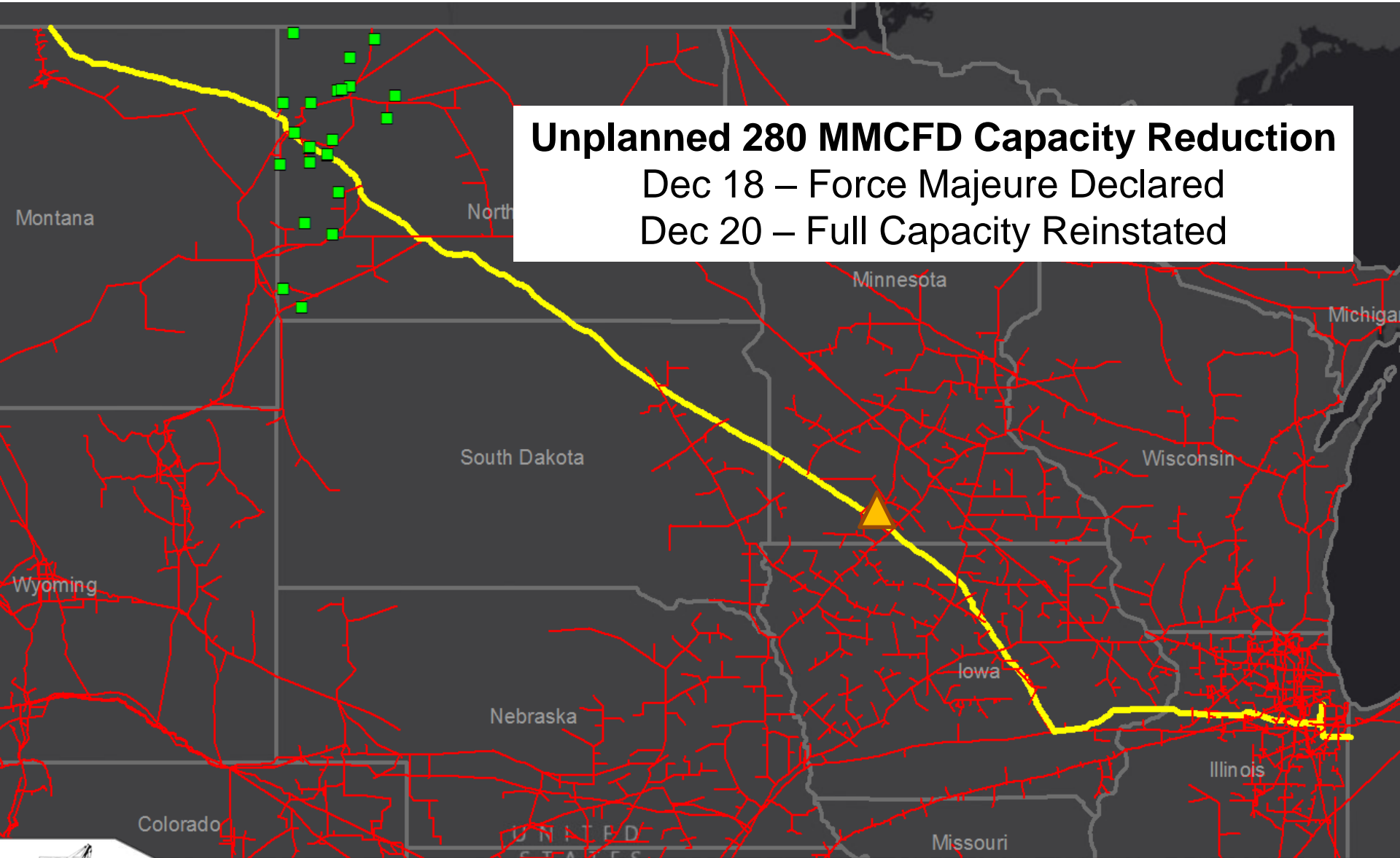
Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



Trimont, MN Compressor Outage



Unplanned 280 MMCFD Capacity Reduction

Dec 18 – Force Majeure Declared

Dec 20 – Full Capacity Reinstated



Contact Information

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