



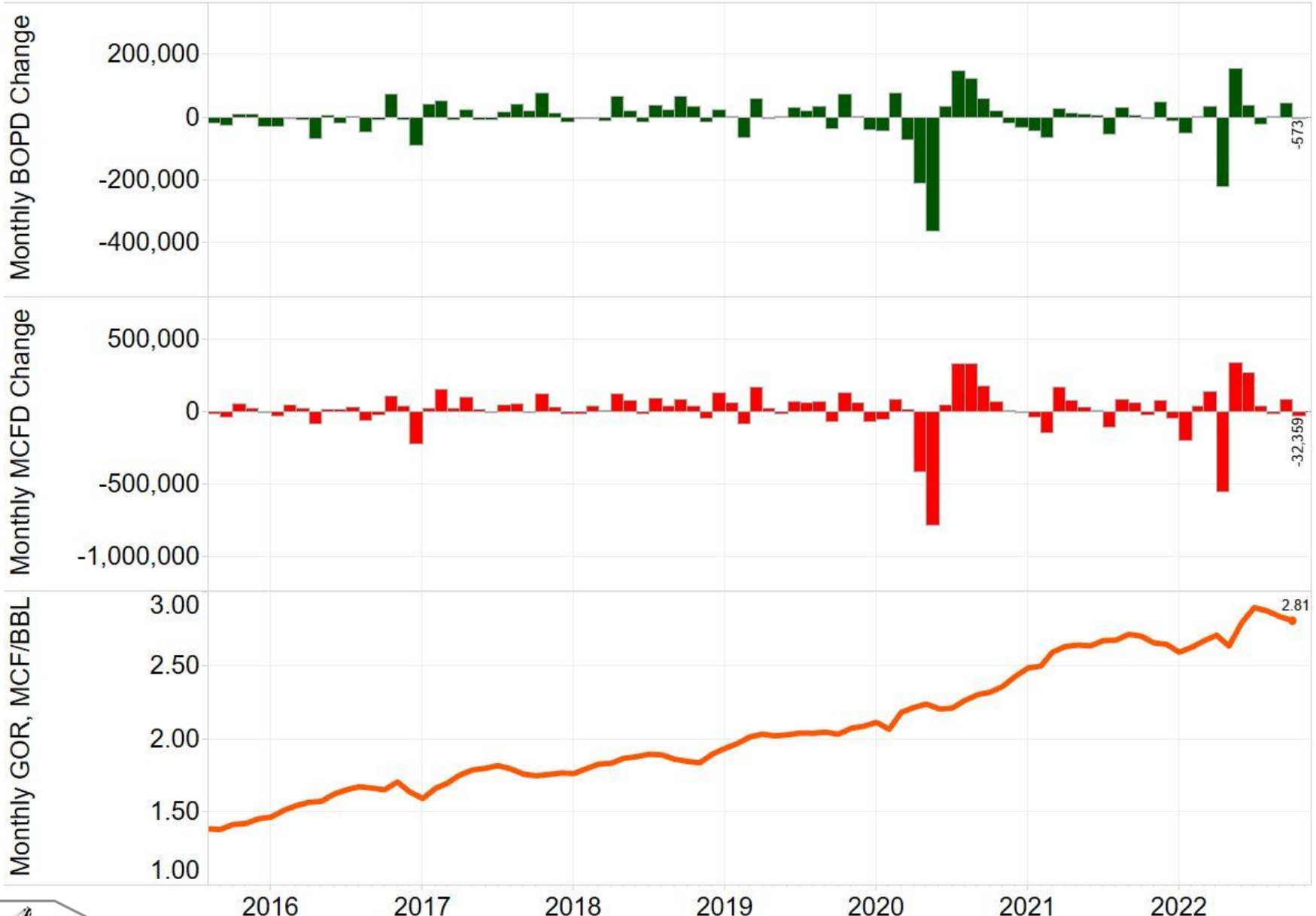
December 2022 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
December 19, 2022

US Williston Basin Oil Production - 2022

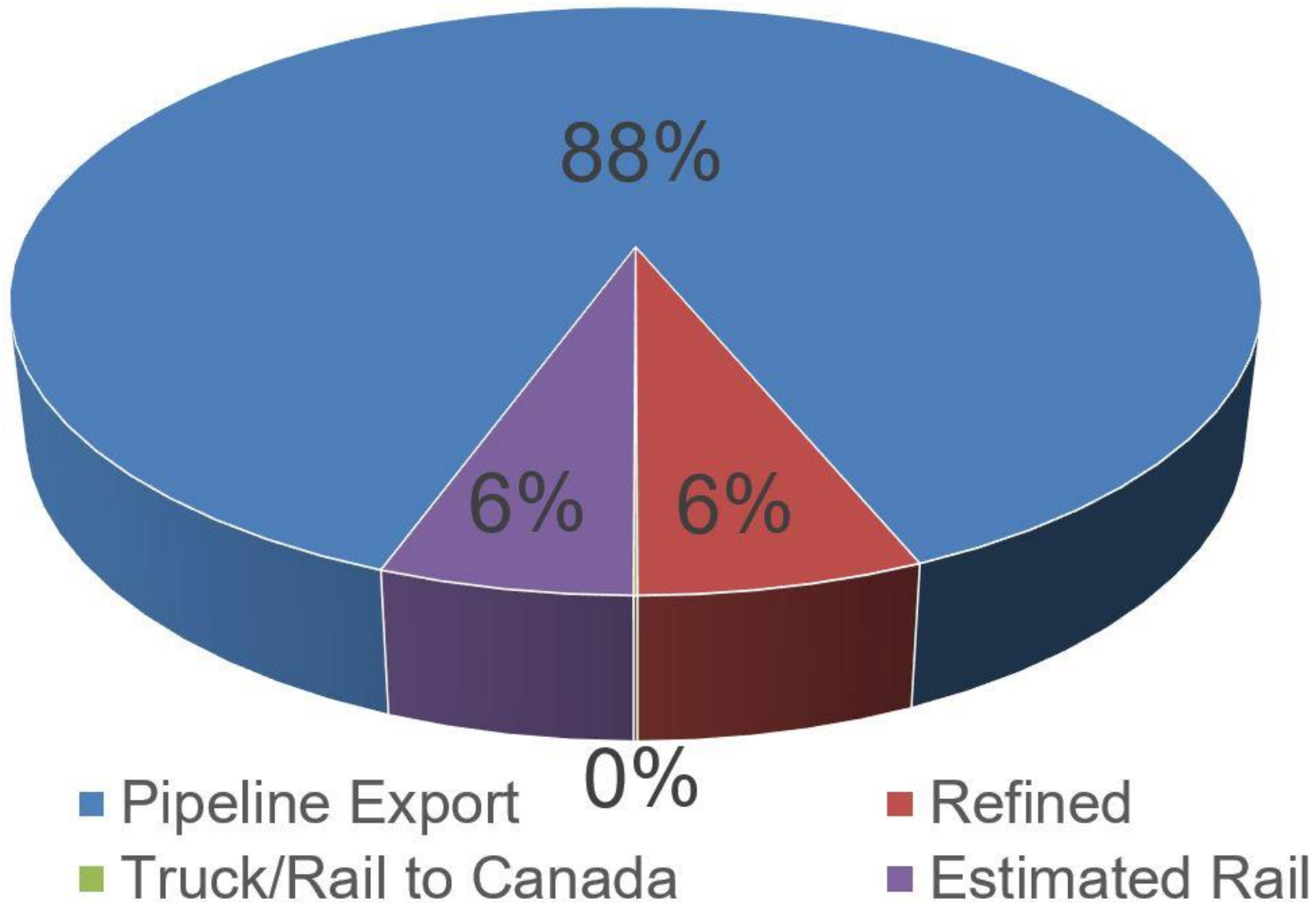
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,091,923	47,598	2,709	1,142,230
February	1,093,706	46,947	2,742	1,143,395
March	1,128,295	50,498	2,709	1,181,502
April	906,990	49,825	2,338	959,153
May	1,060,897	49,159	2,648	1,112,704
June	1,098,156	58,901	2,764	1,159,821
July	1,072,637	54,729	2,774	1,130,140
August	1,075,307	55,823	2,756	1,133,885
September	1,121,063		2,679	
October	1,120,490			
November				
December				



North Dakota Monthly Production Change



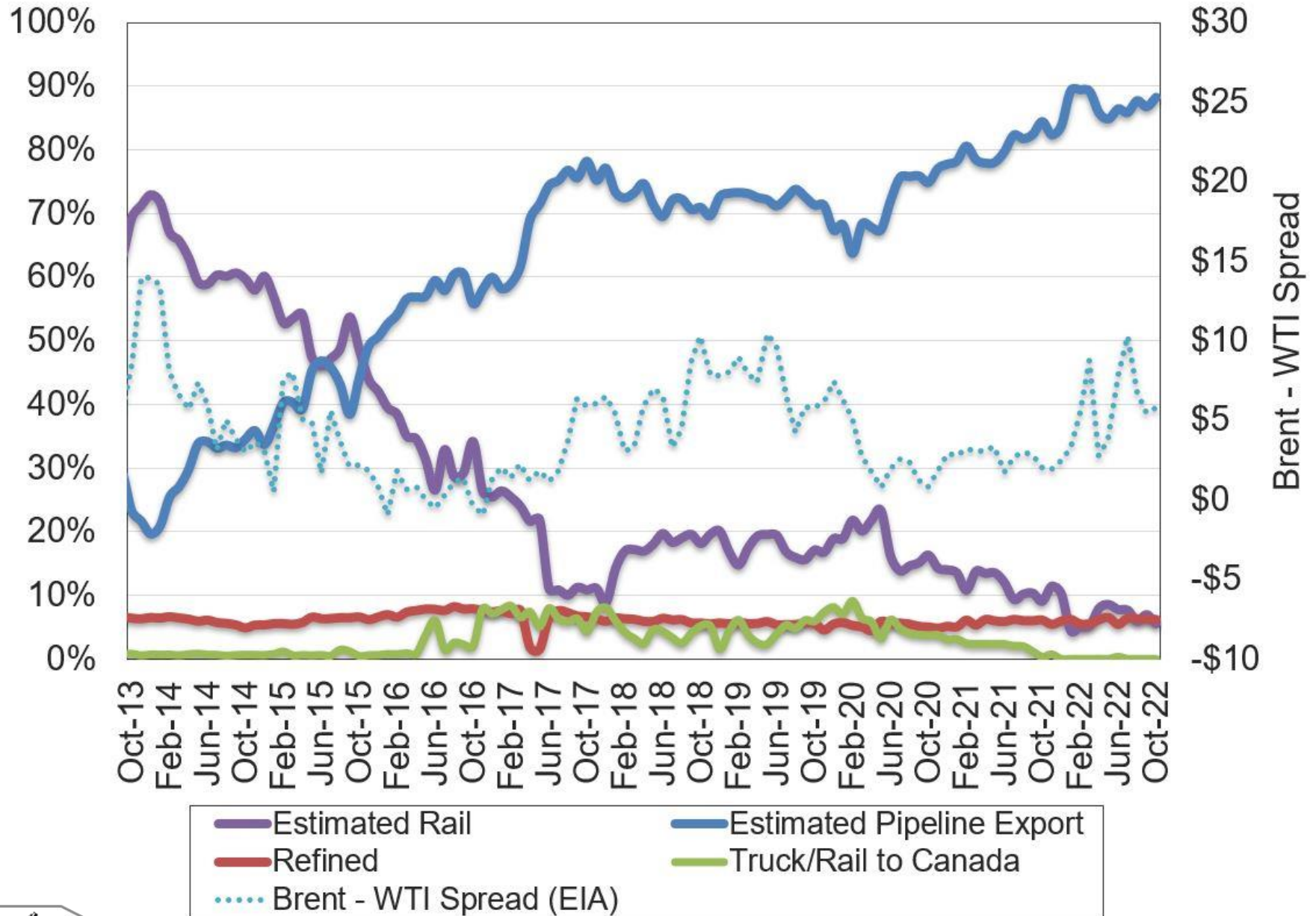
Estimated Williston Basin Oil Transportation



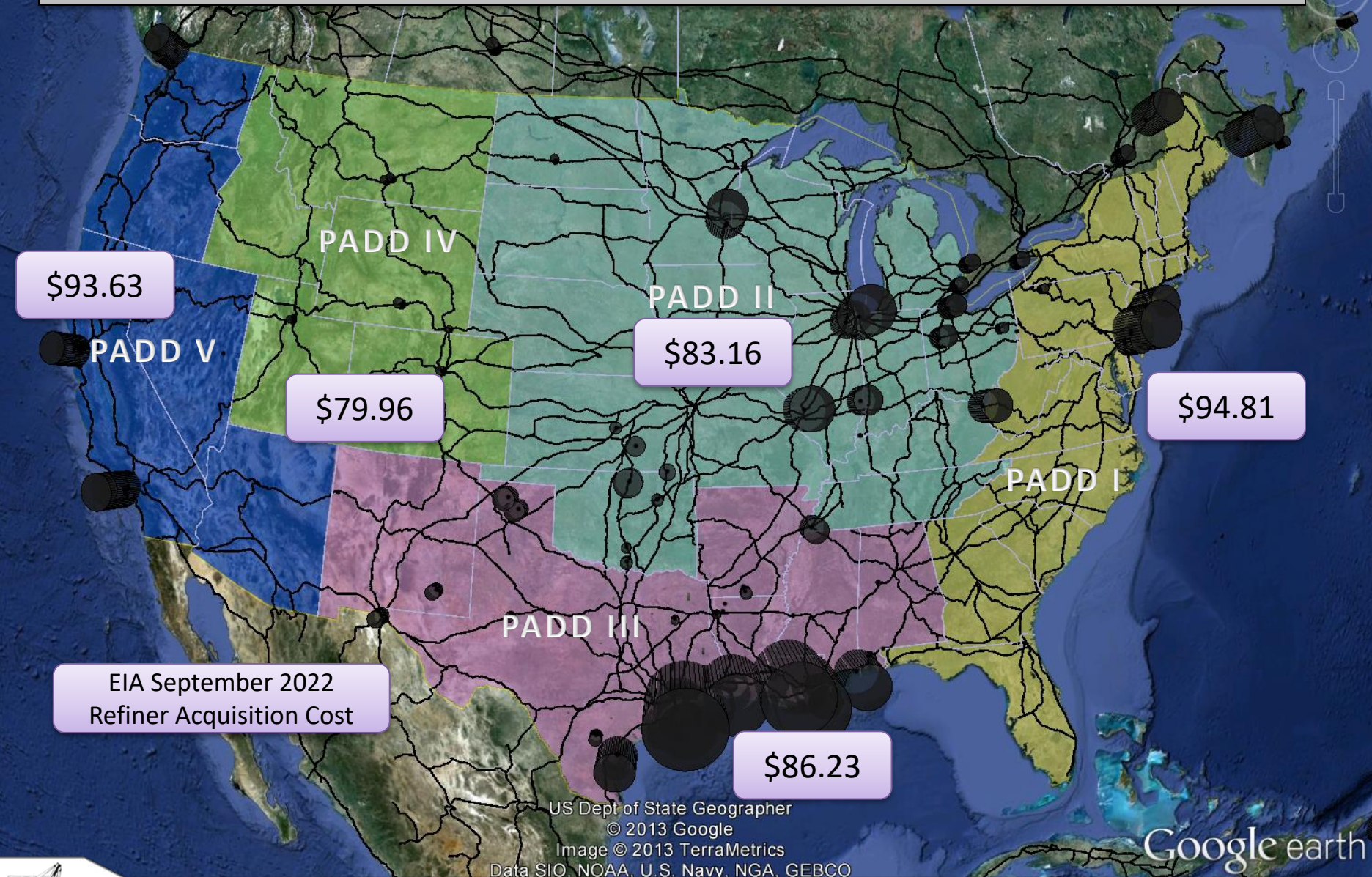
October 2022



Estimated Williston Basin Oil Transportation



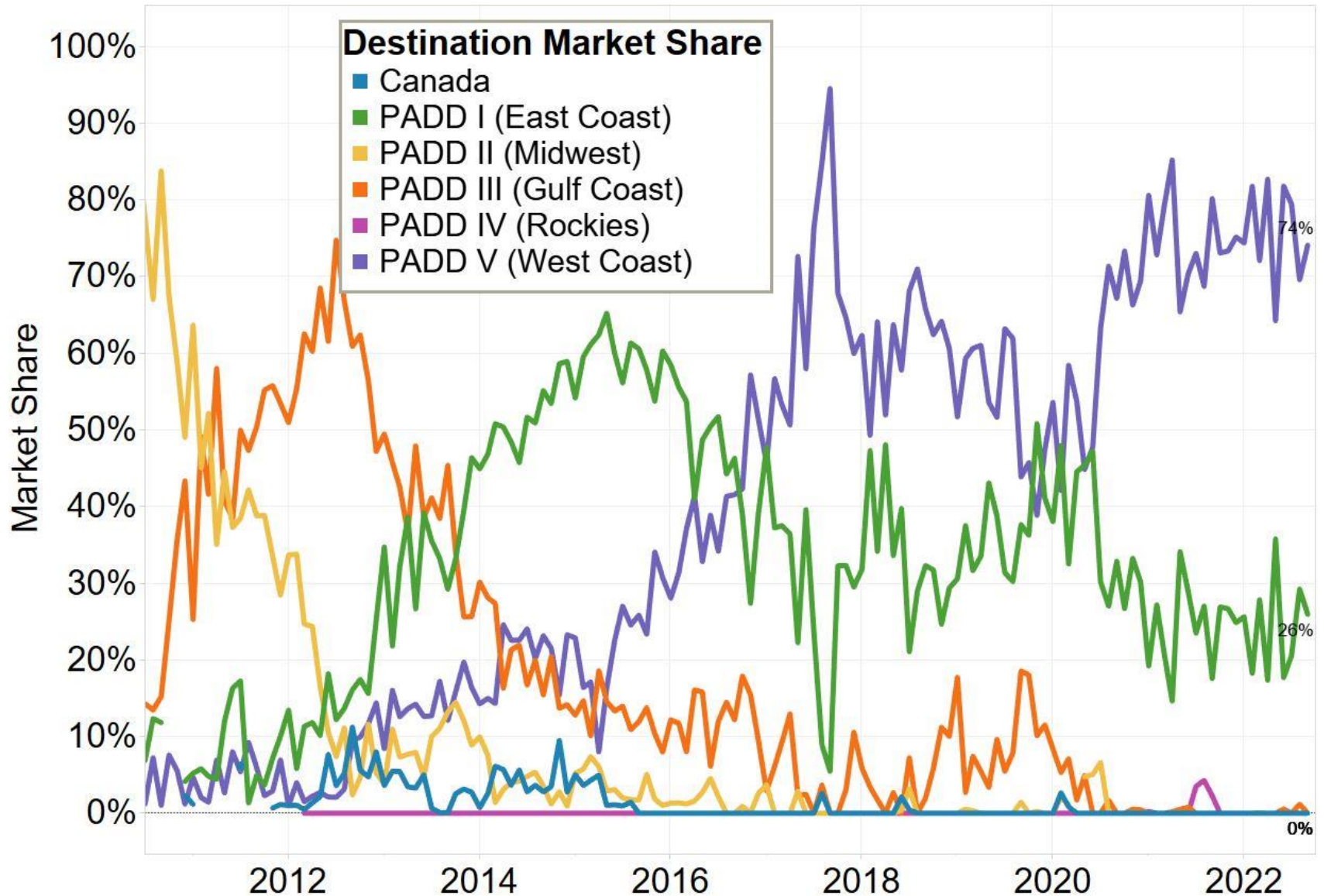
Major Rail Lines and Refineries



Estimated ND Rail Export Volumes



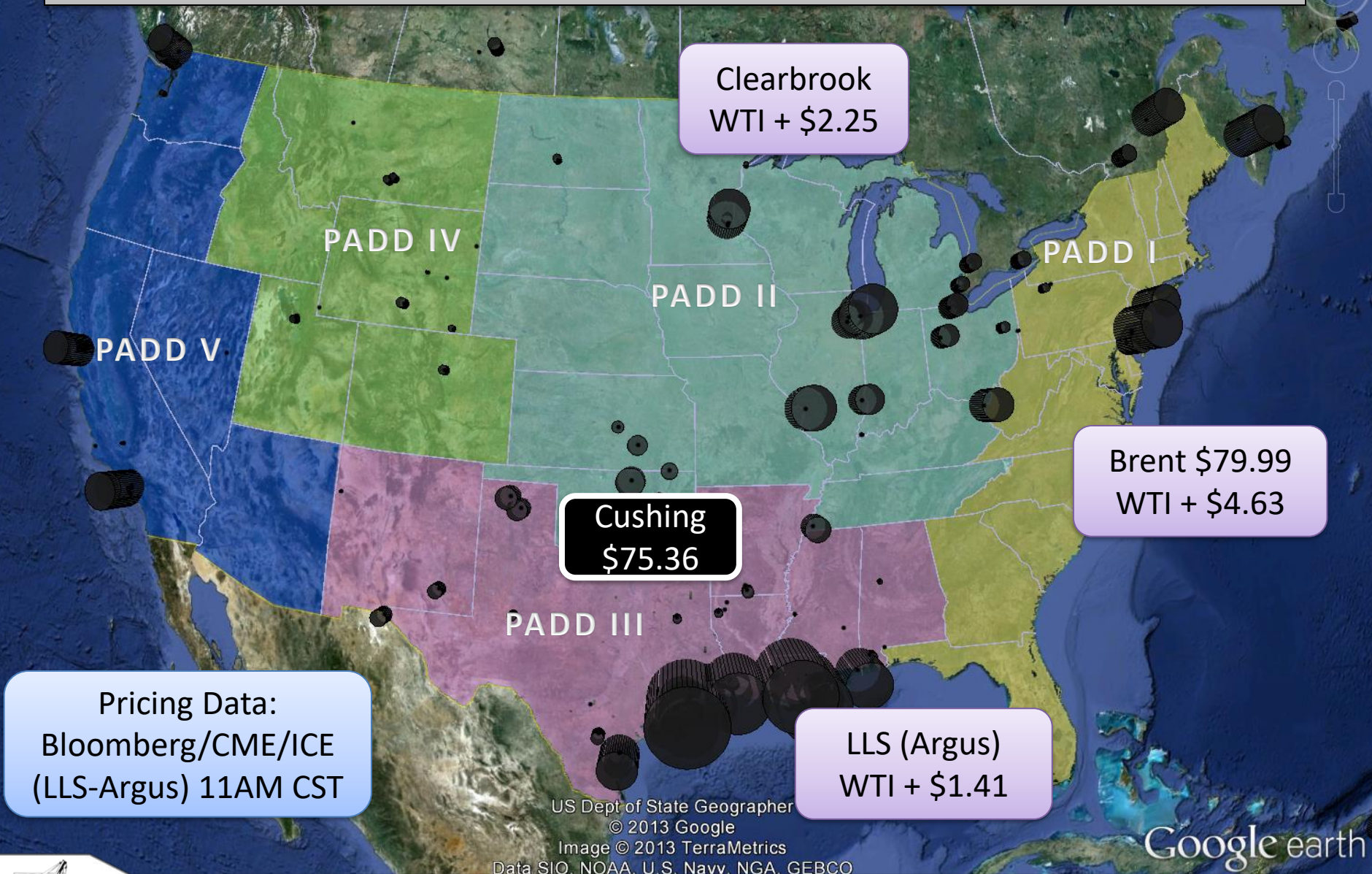
Rail Destinations Market Share (Sep. 2022)



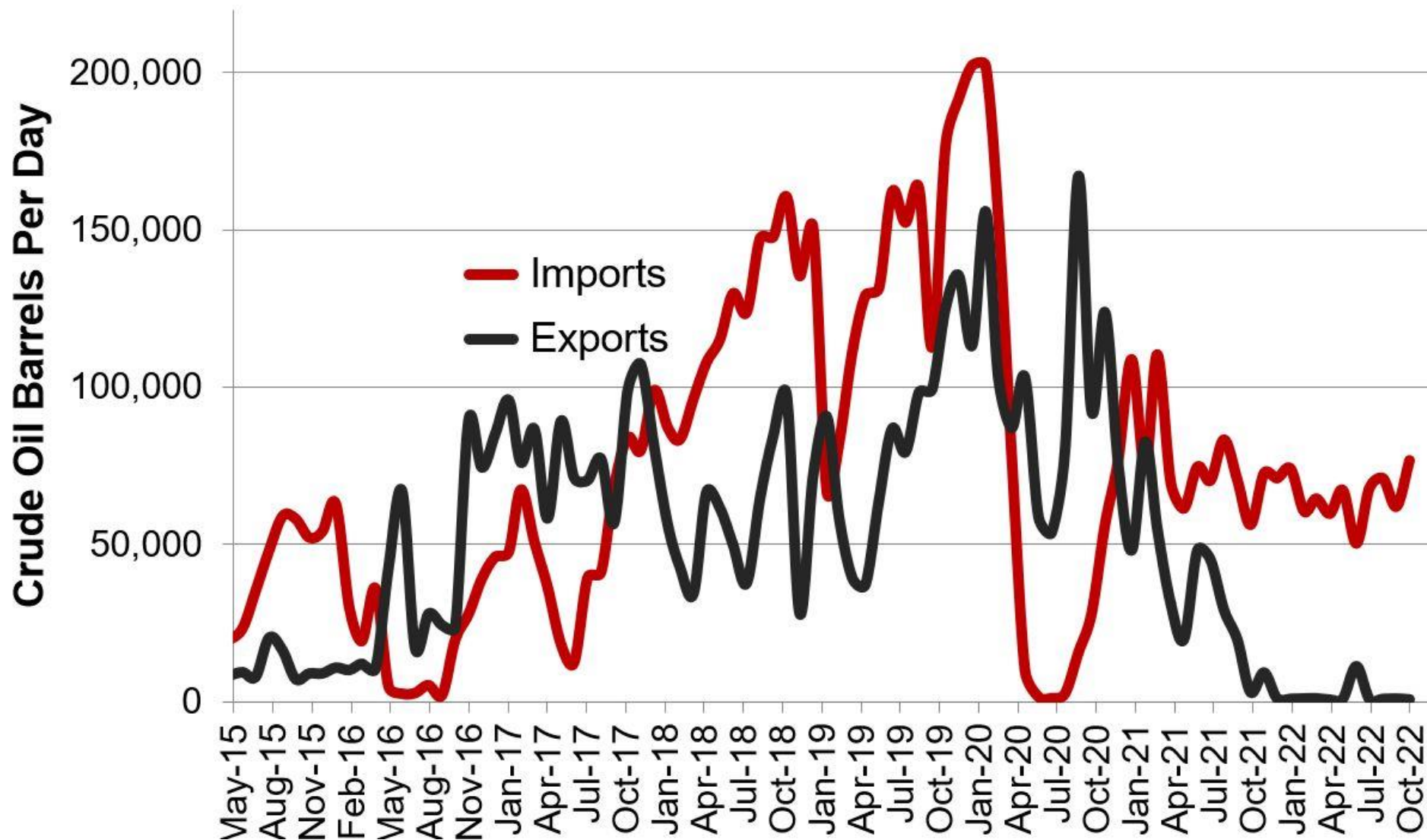
Data for Rail Destination Market Share Provided by the US Energy Information Administration



Crude Oil Prices – Dec. 19, 2022



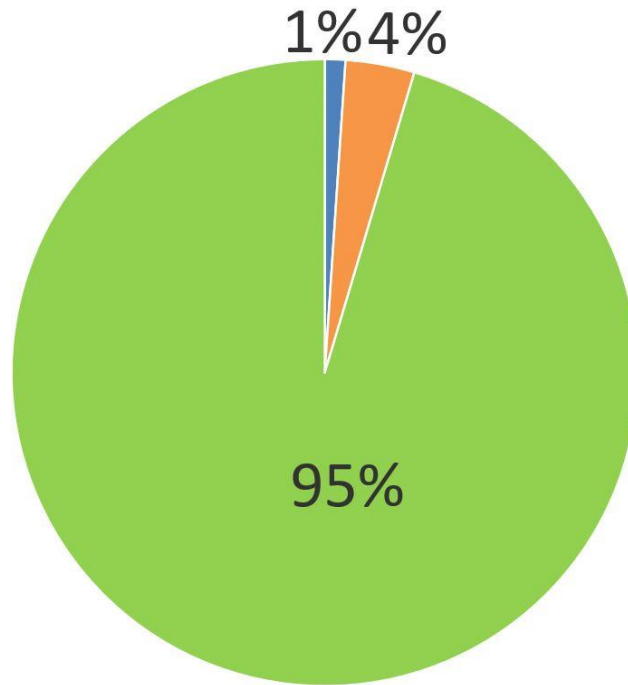
Williston Basin Truck/Rail Imports and Exports with Canada



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.

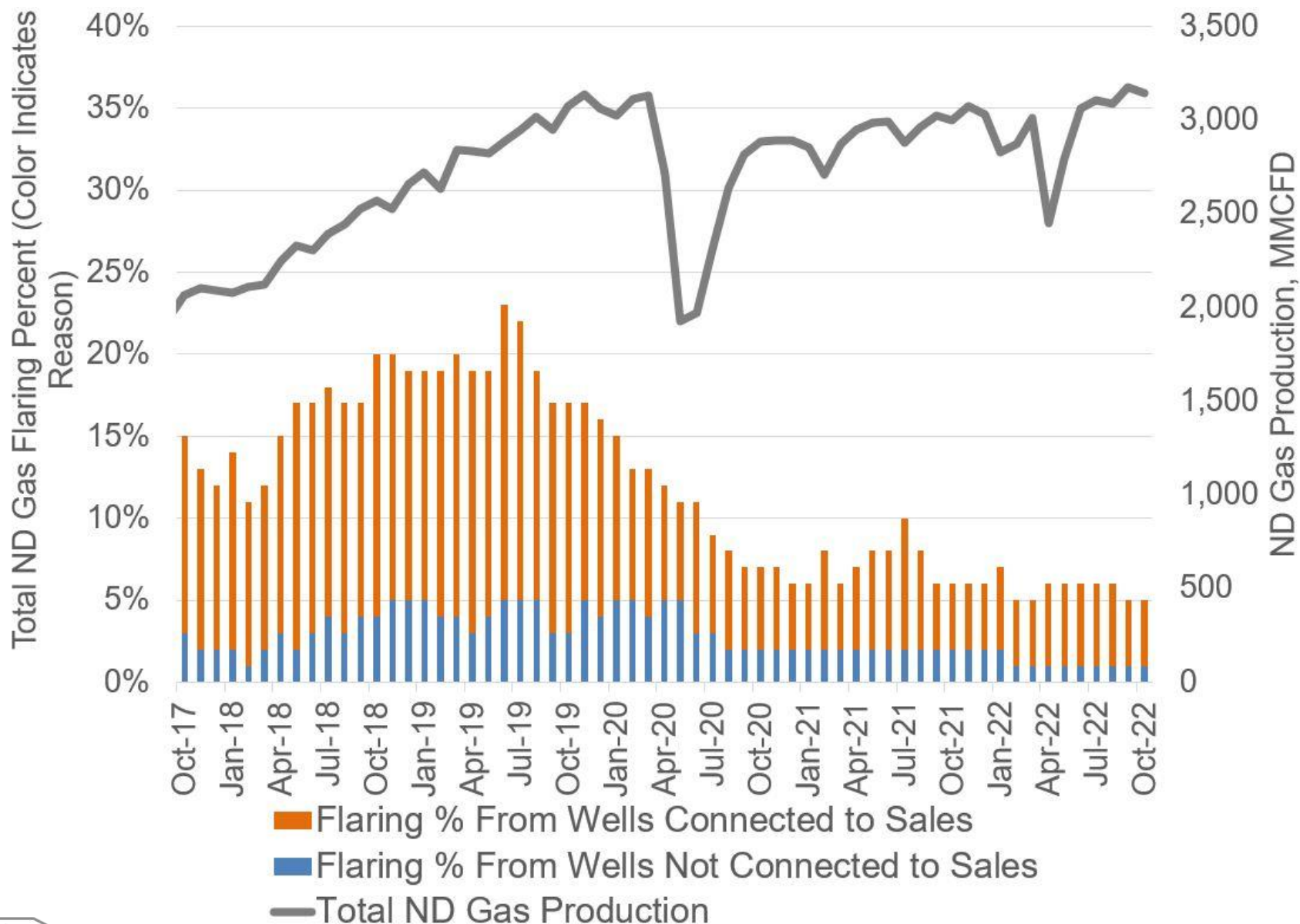
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

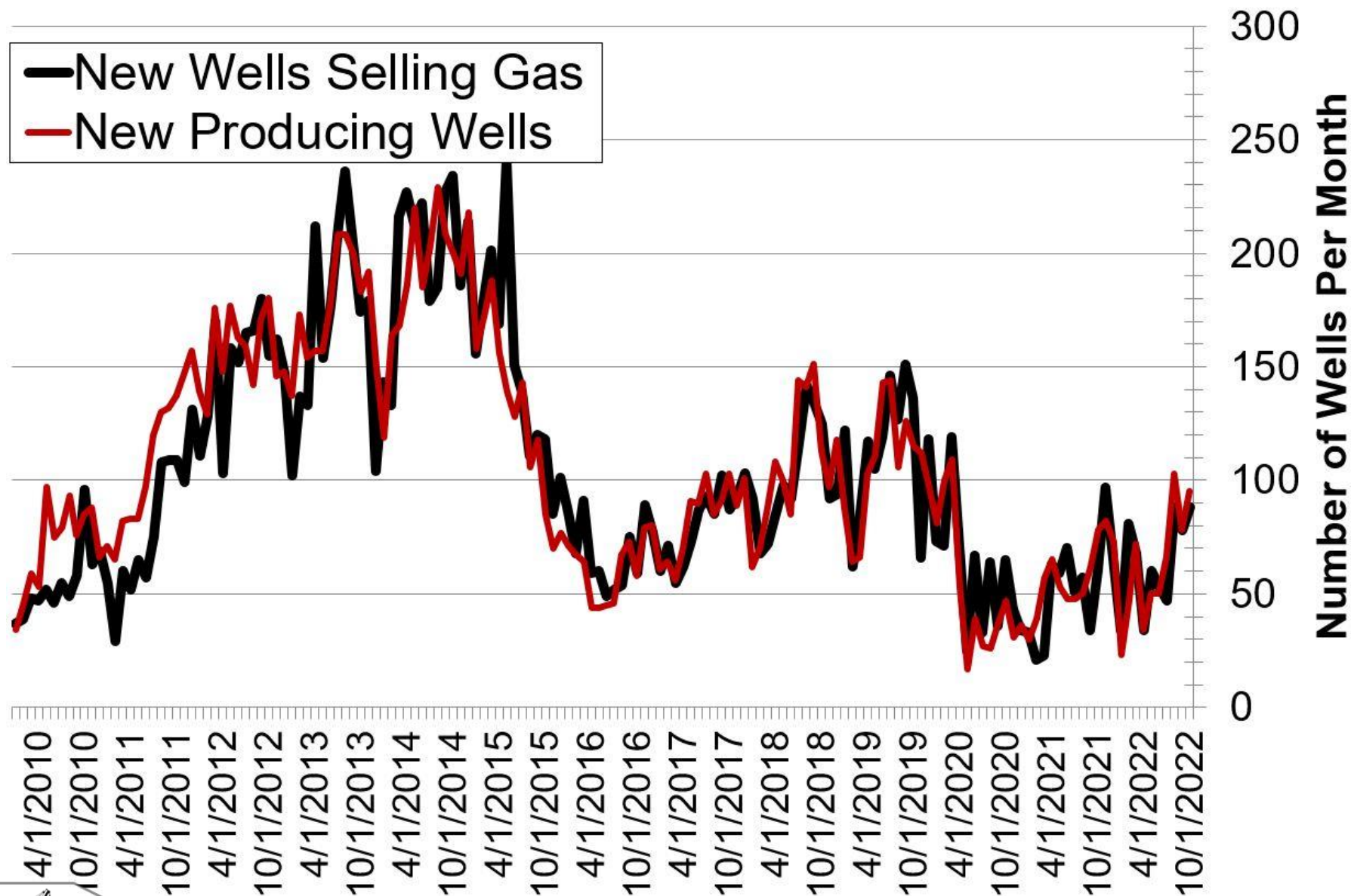
Oct. 2022 Data – Non-Confidential Wells



Solving the Flaring Challenge

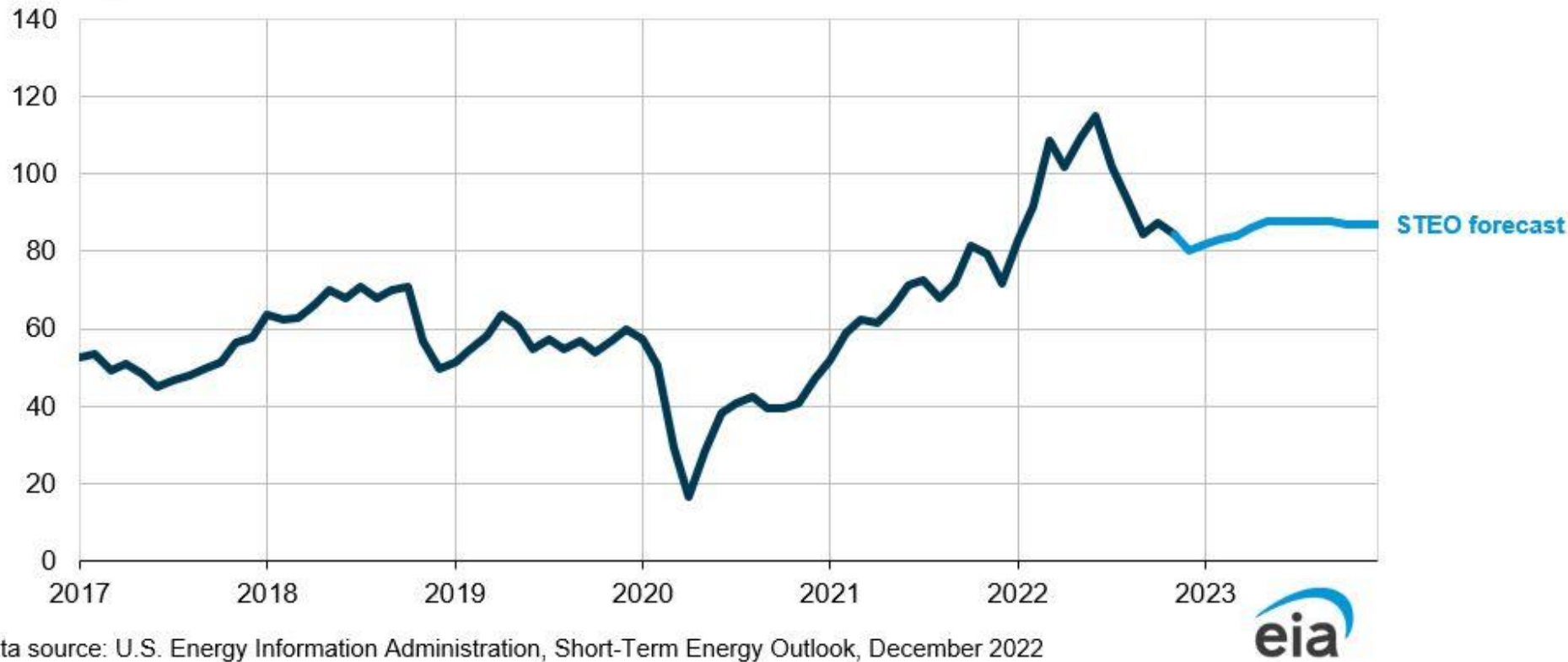


Solving the Flaring Challenge

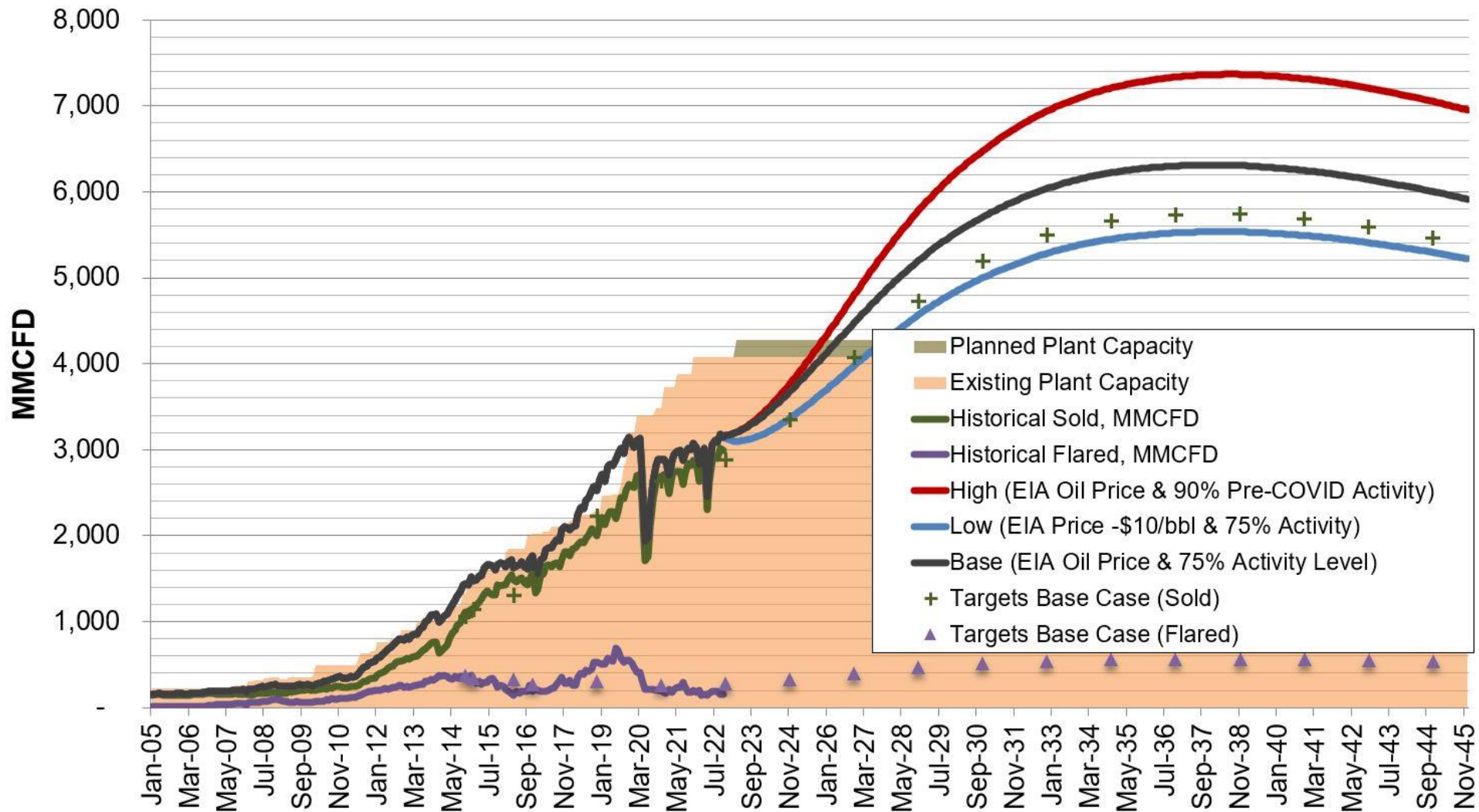


EIA Oil Price Forecast: Dec. 2022

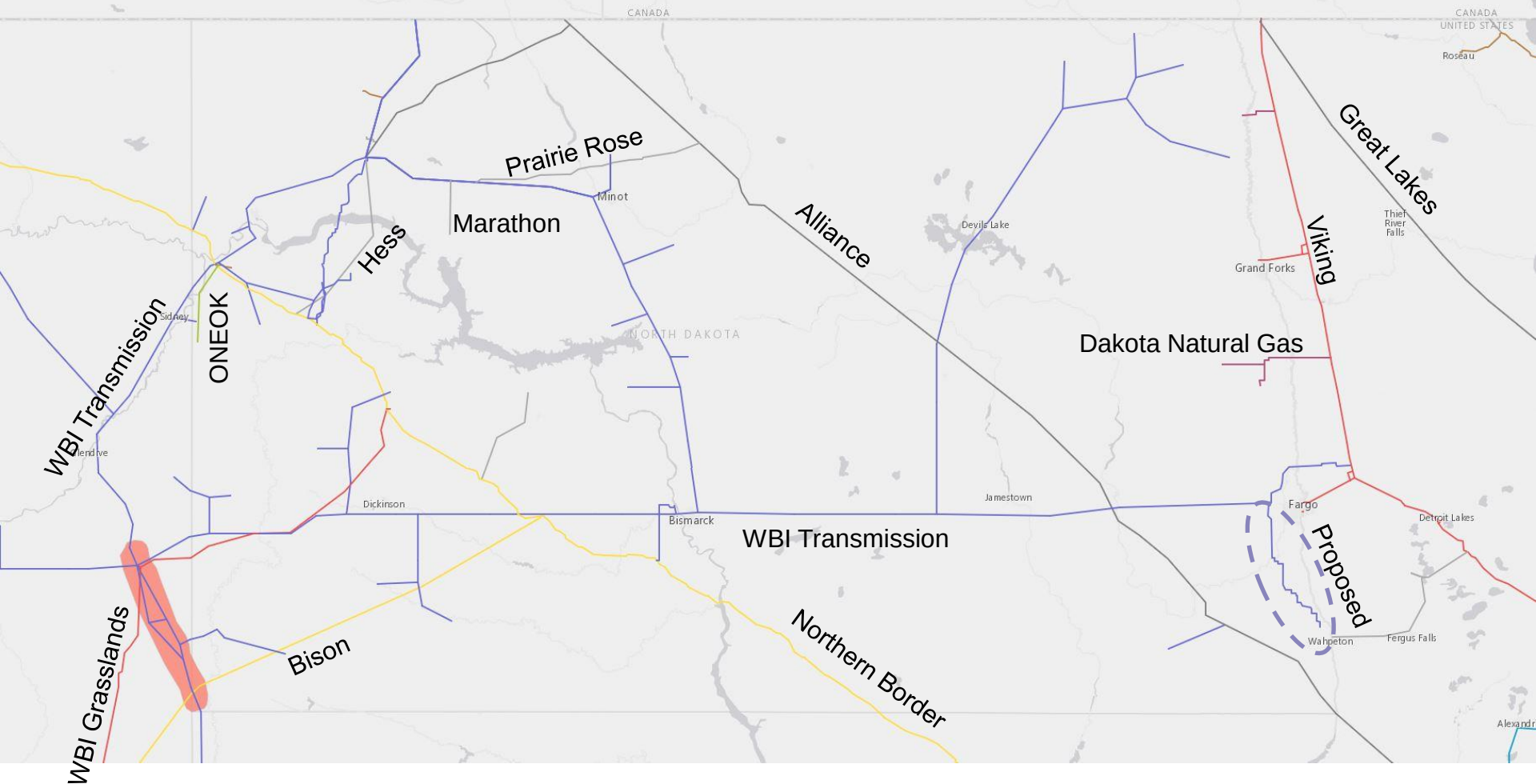
West Texas Intermediate (WTI) crude oil price dollars per barrel



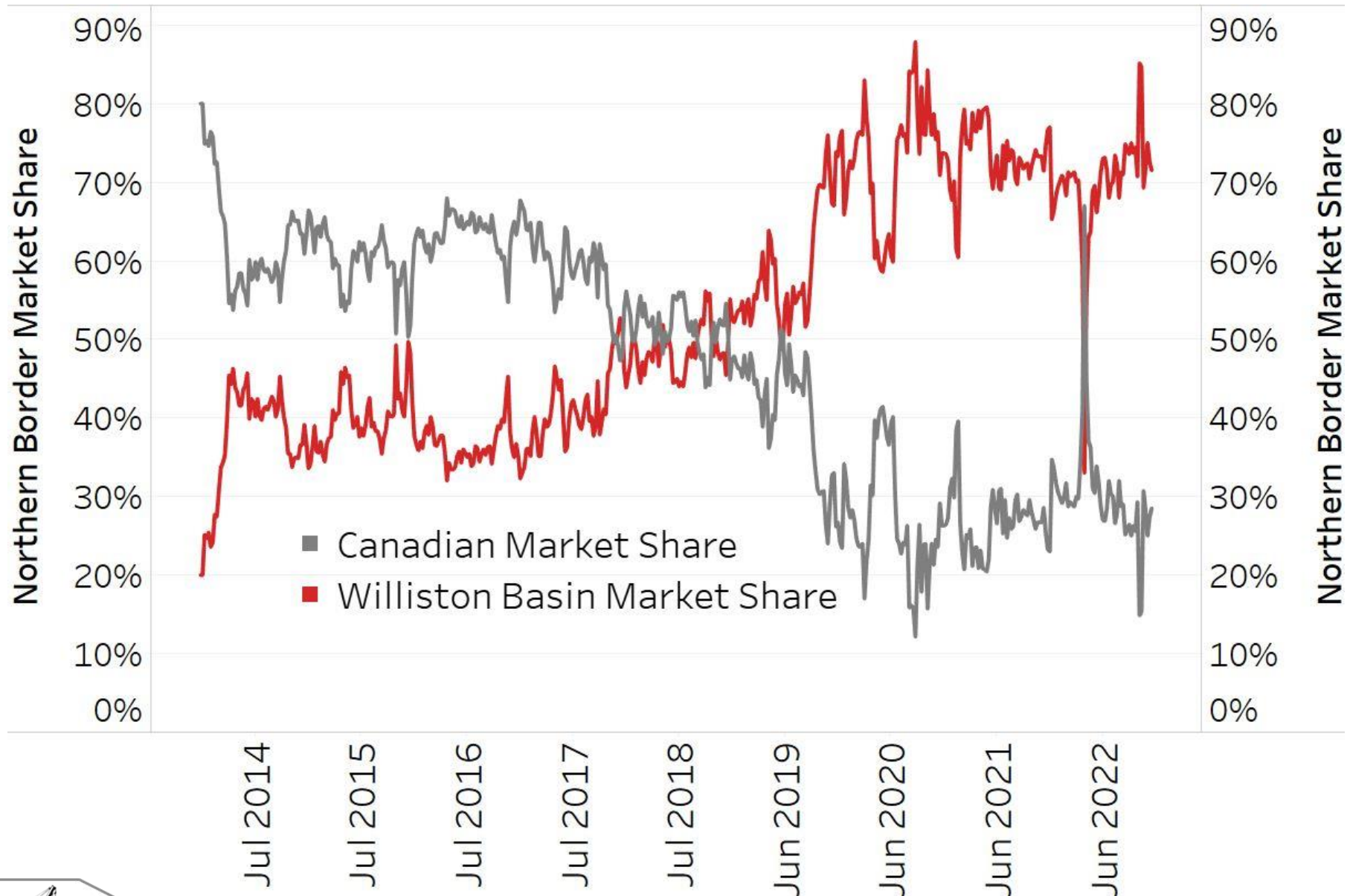
Solving the Flaring Challenge



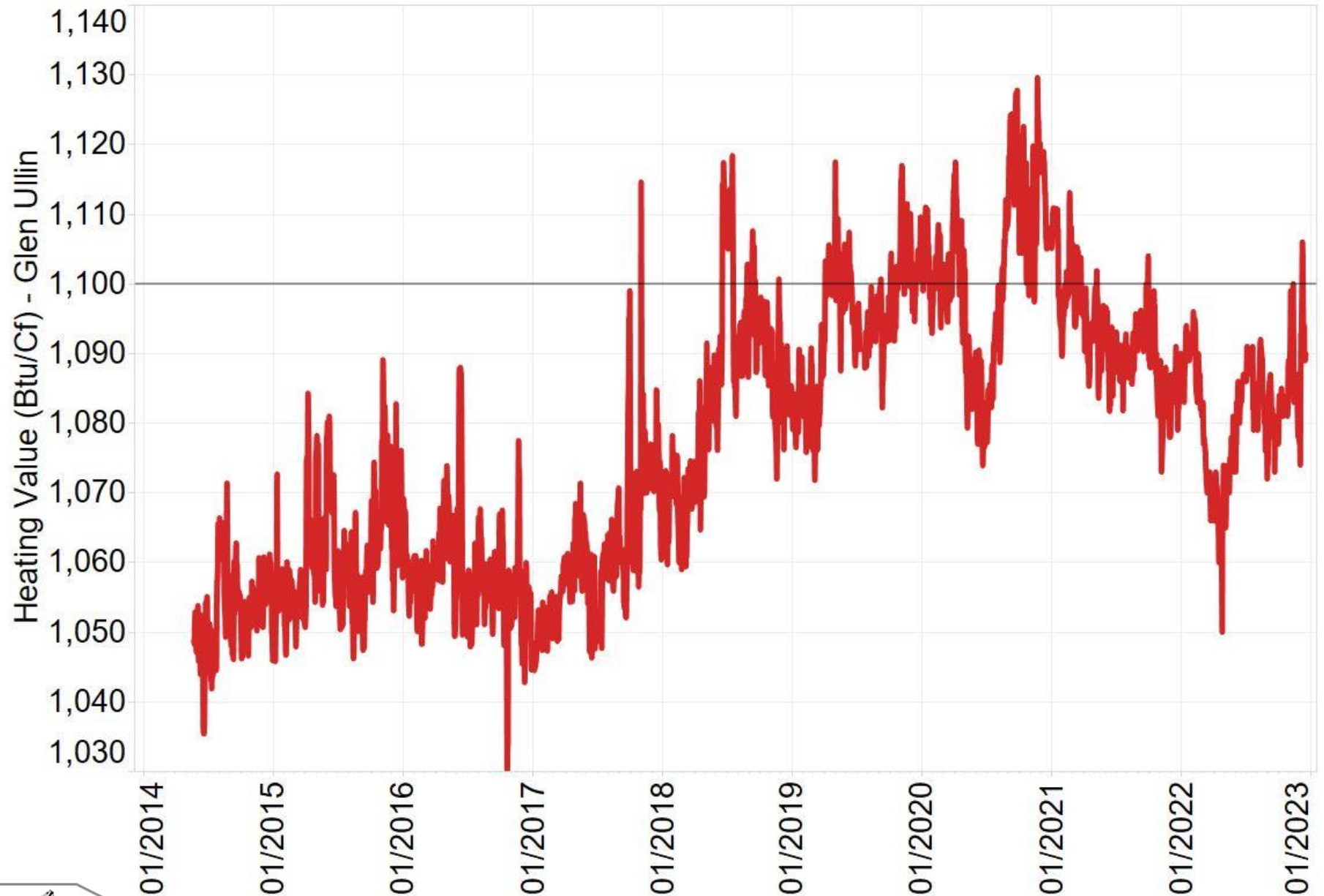
Bakken Natural Gas Infrastructure



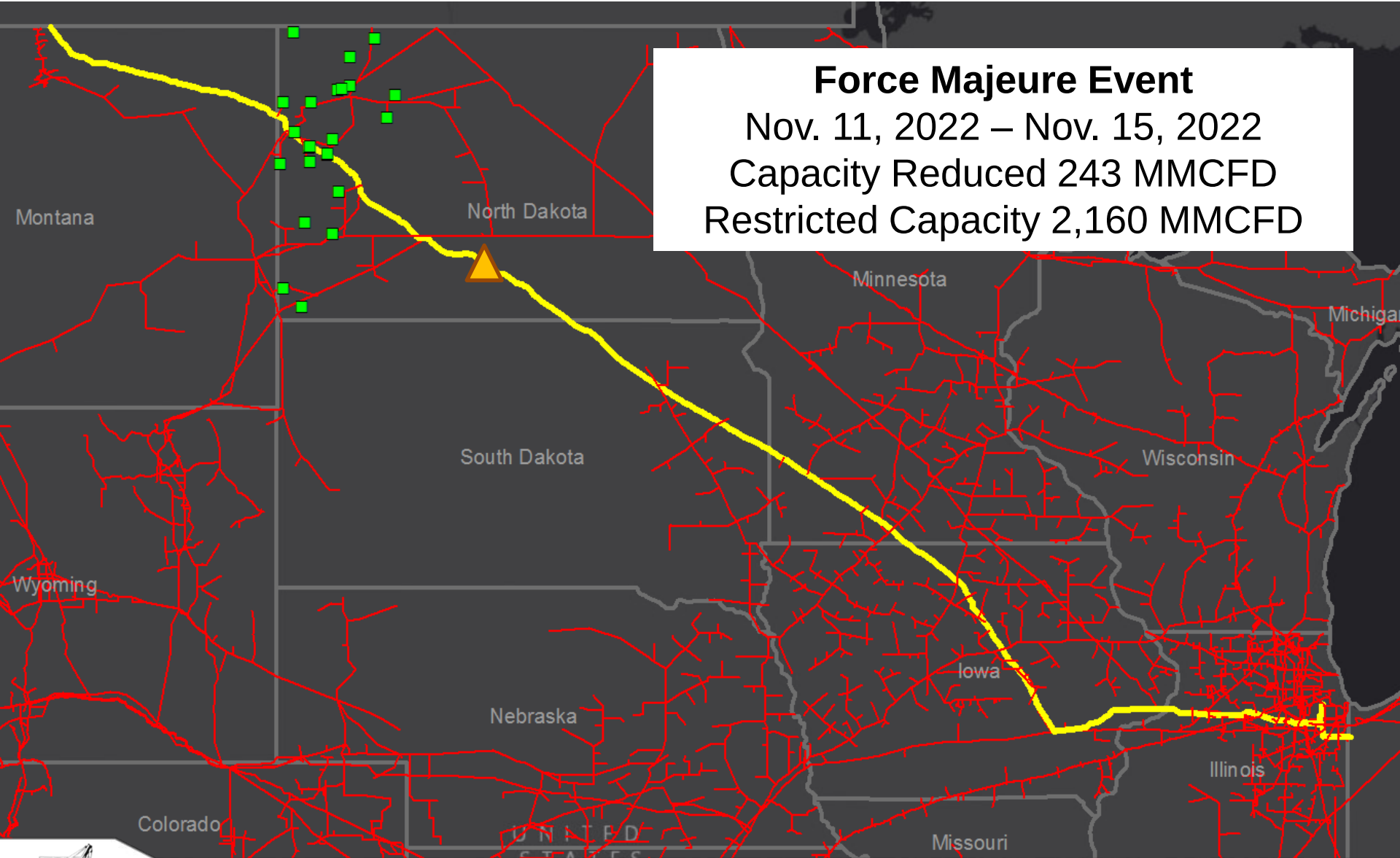
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND

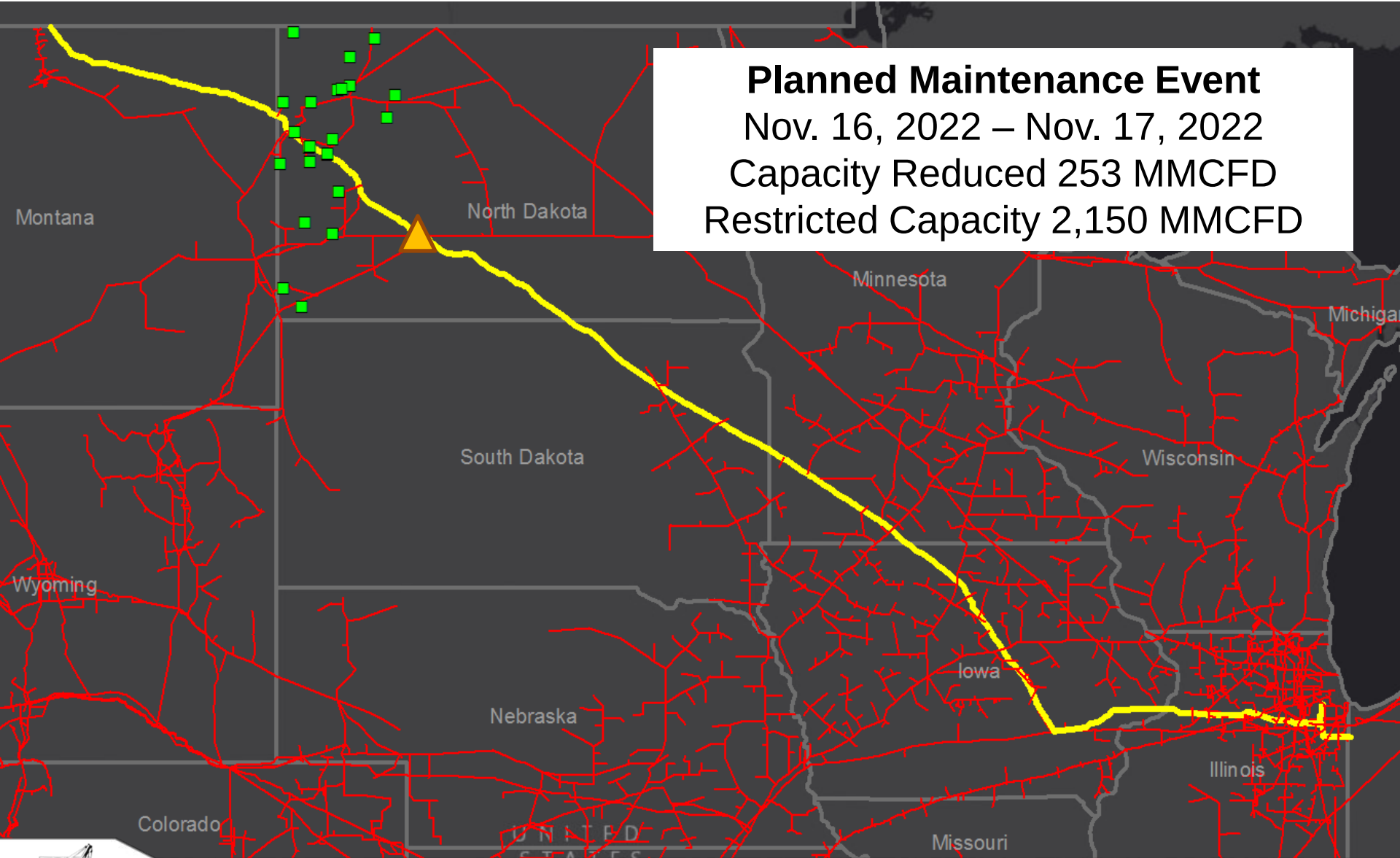


St. Anthony Compressor Outage

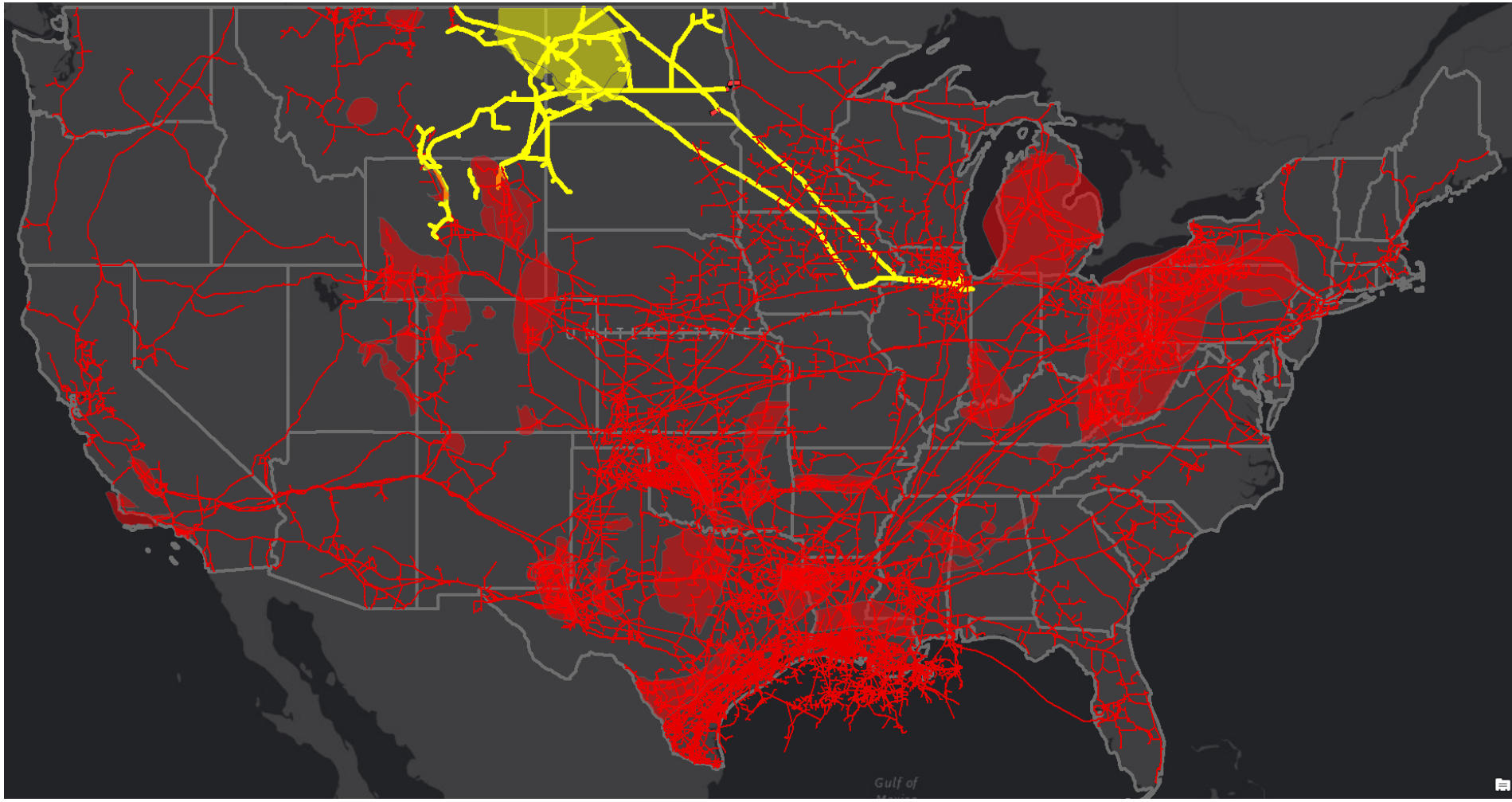


Glen Ullin, ND Maintenance

Planned Maintenance Event
Nov. 16, 2022 – Nov. 17, 2022
Capacity Reduced 253 MMCFD
Restricted Capacity 2,150 MMCFD



Bakken Natural Gas Infrastructure



Contact Information

Justin J. Kringstad, Director
North Dakota Pipeline Authority

600 E. Boulevard Ave. Dept. 405
Bismarck, ND 58505-0840

Phone: (701)220-6227

Fax: (701)328-2820

E-mail: jjkringstad@ndpipelines.com

Websites:

www.pipeline.nd.gov

www.northdakotapipelines.com



**Know what's below.
Call before you dig.**

