



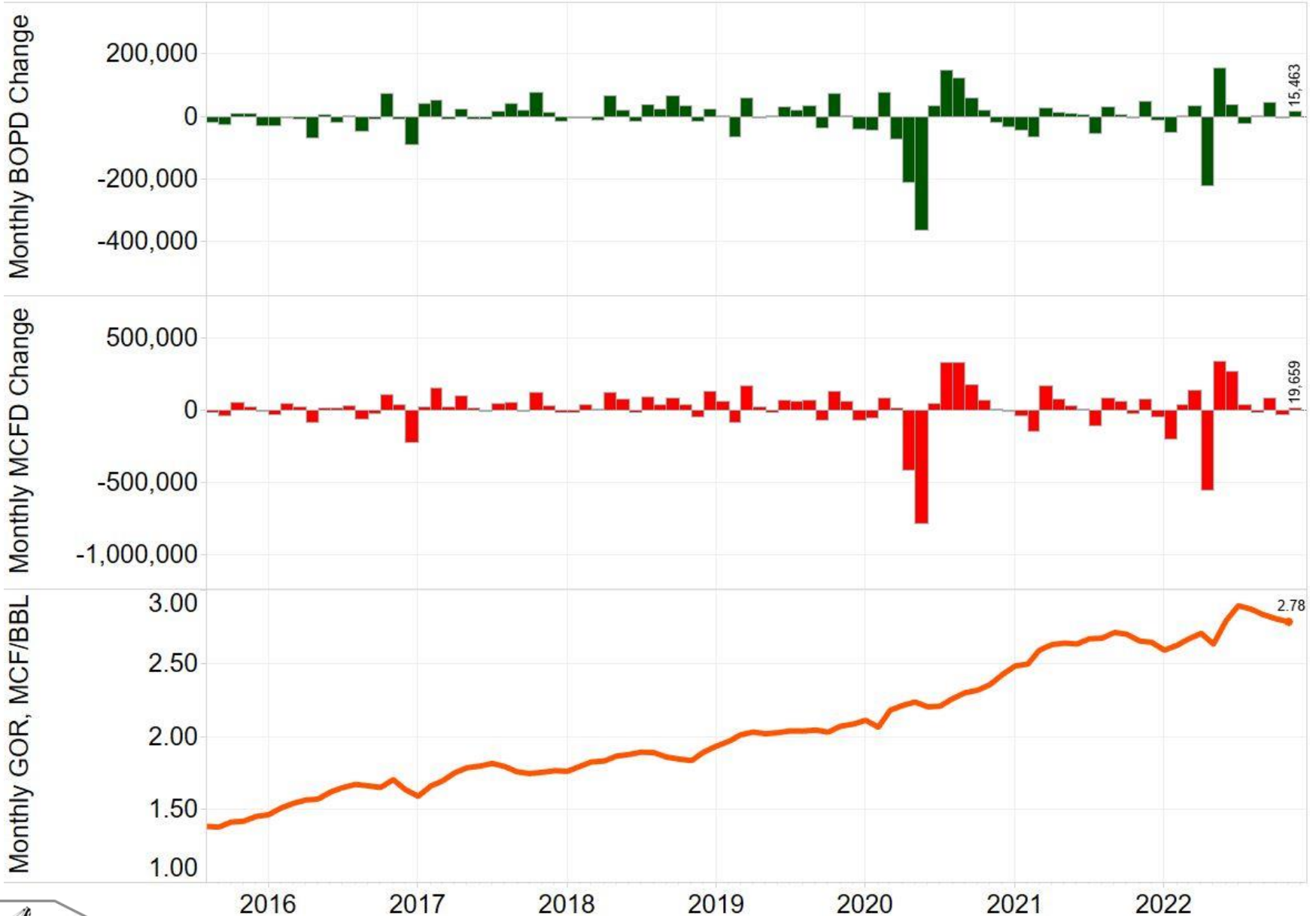
January 2023 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
January 17, 2023

US Williston Basin Oil Production - 2022

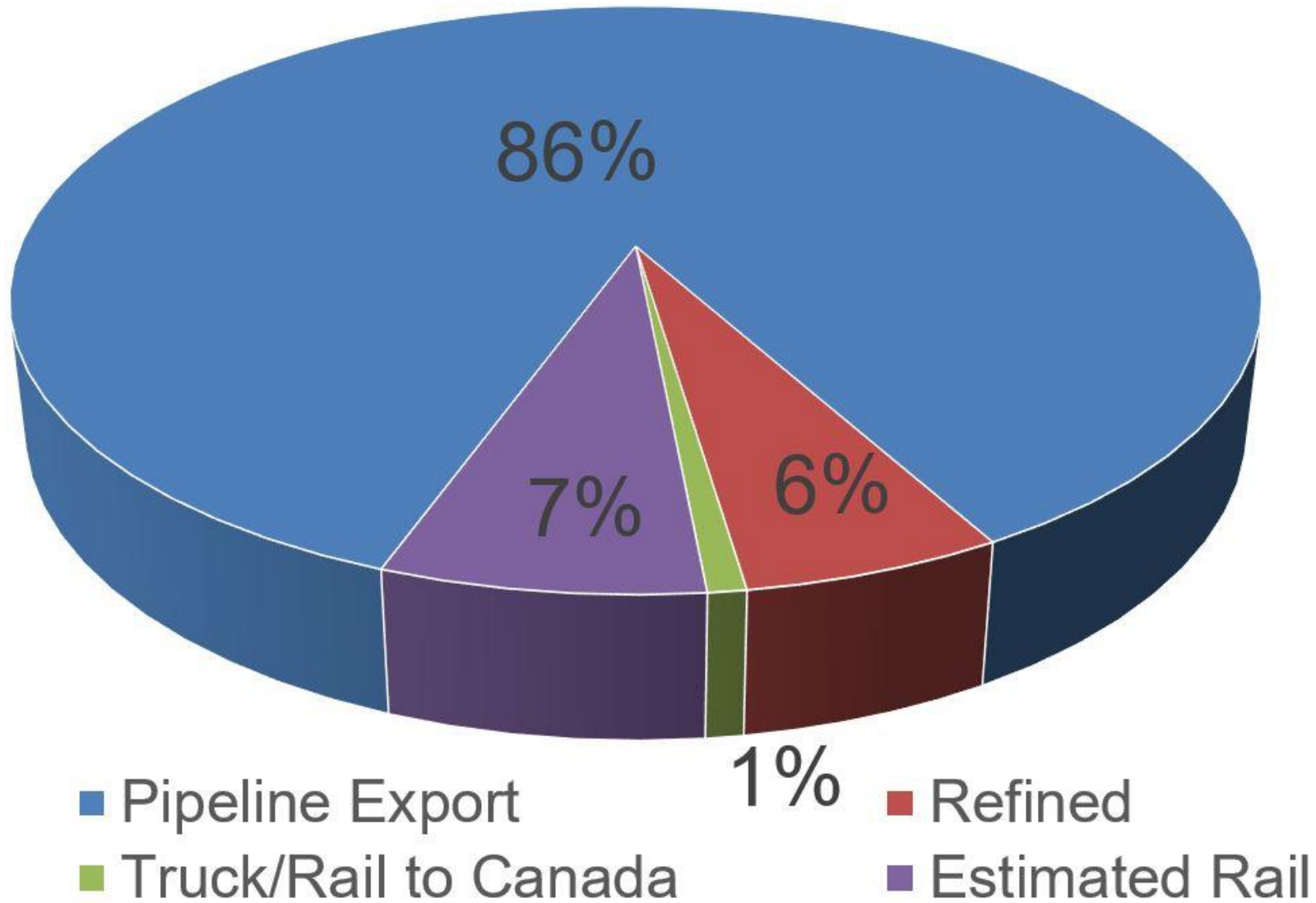
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,091,932	47,598	2,709	1,142,239
February	1,095,458	46,947	2,742	1,145,147
March	1,129,880	50,498	2,709	1,183,087
April	908,339	49,825	2,338	960,502
May	1,062,157	49,159	2,648	1,113,964
June	1,099,408	58,901	2,764	1,161,073
July	1,073,610	54,729	2,774	1,131,113
August	1,075,289	55,823	2,756	1,133,868
September	1,121,063		2,679	
October	1,121,754		2,621	
November	1,097,716			
December				



North Dakota Monthly Production Change



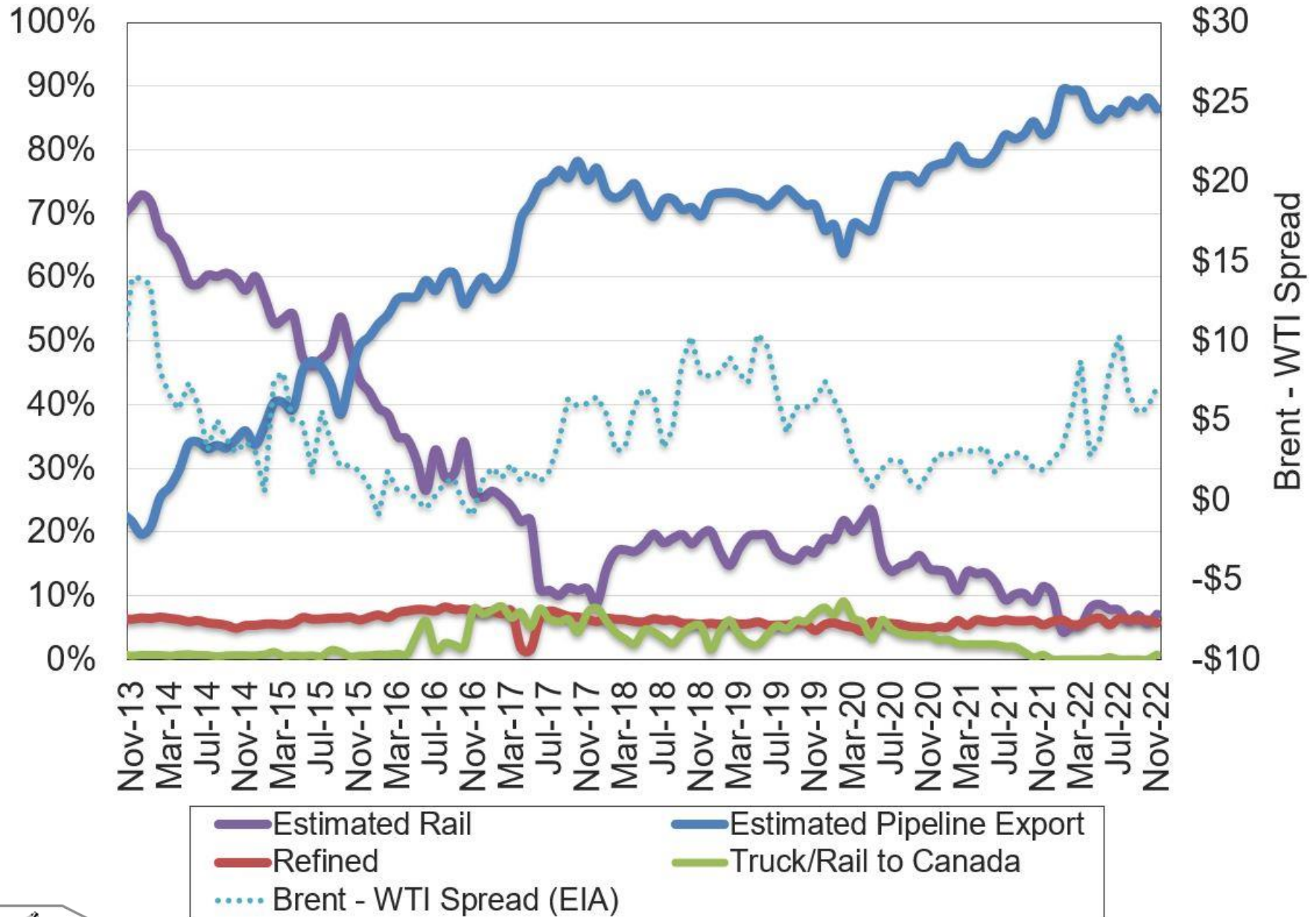
Estimated Williston Basin Oil Transportation



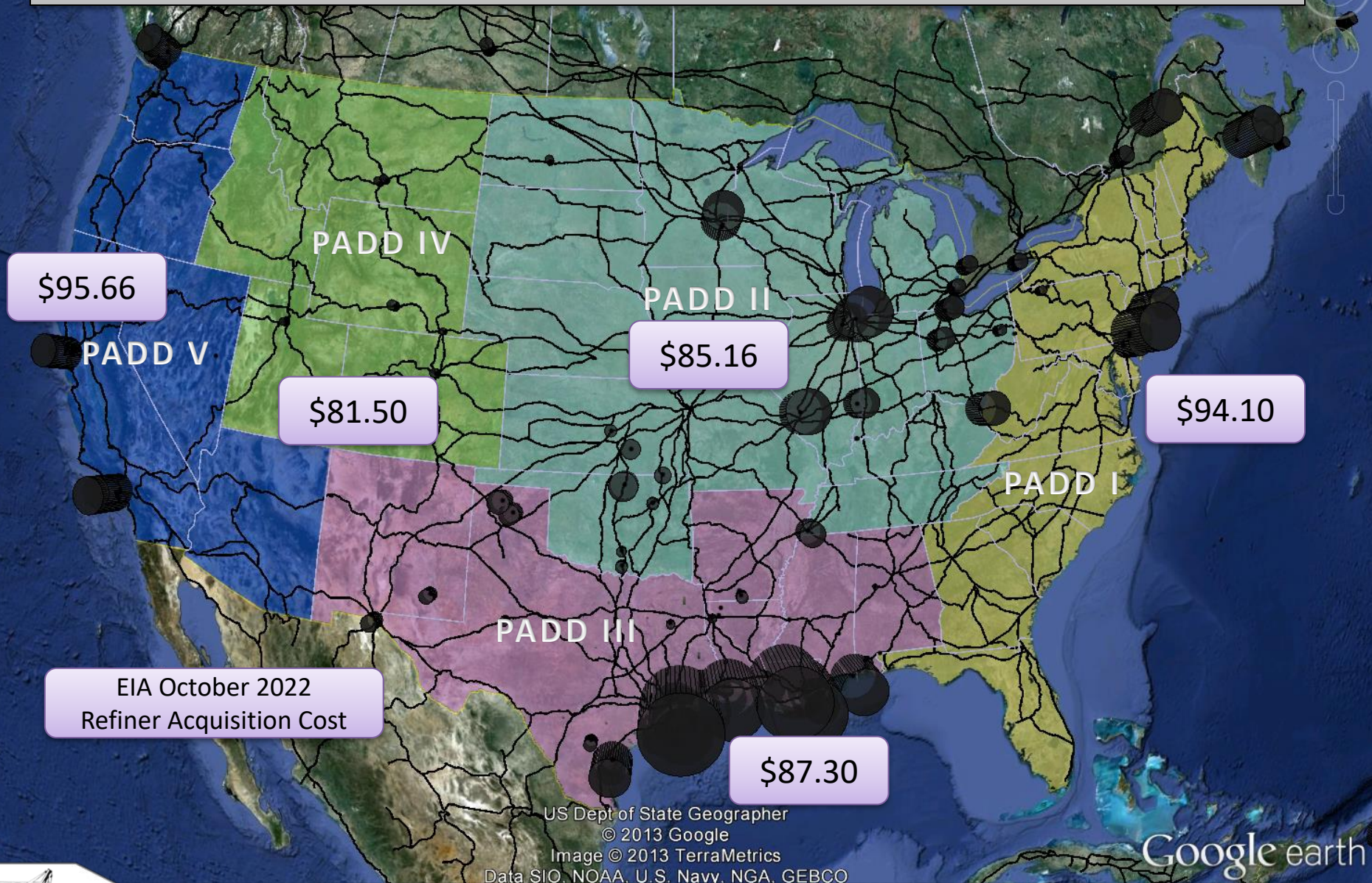
November 2022



Estimated Williston Basin Oil Transportation



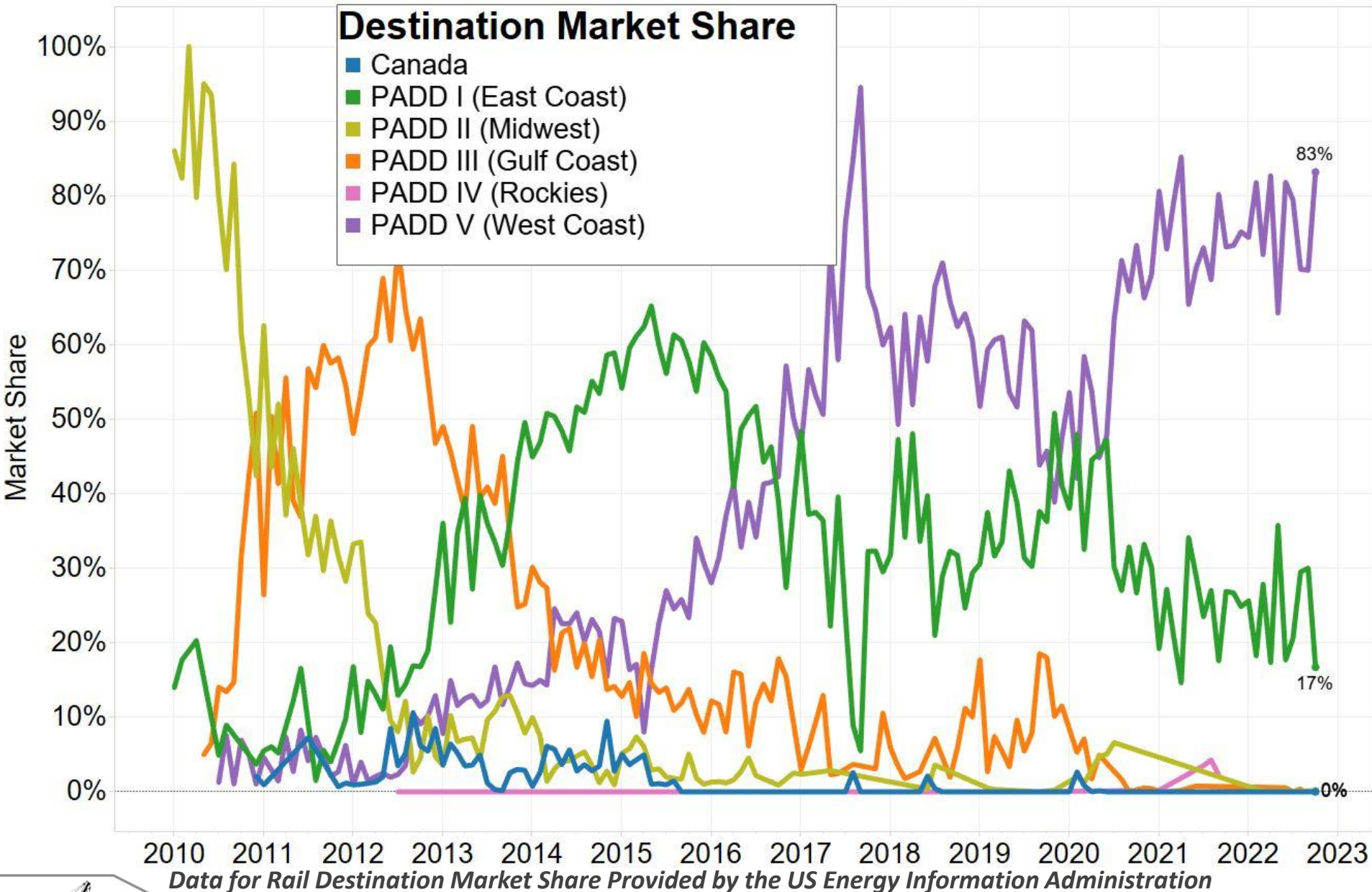
Major Rail Lines and Refineries



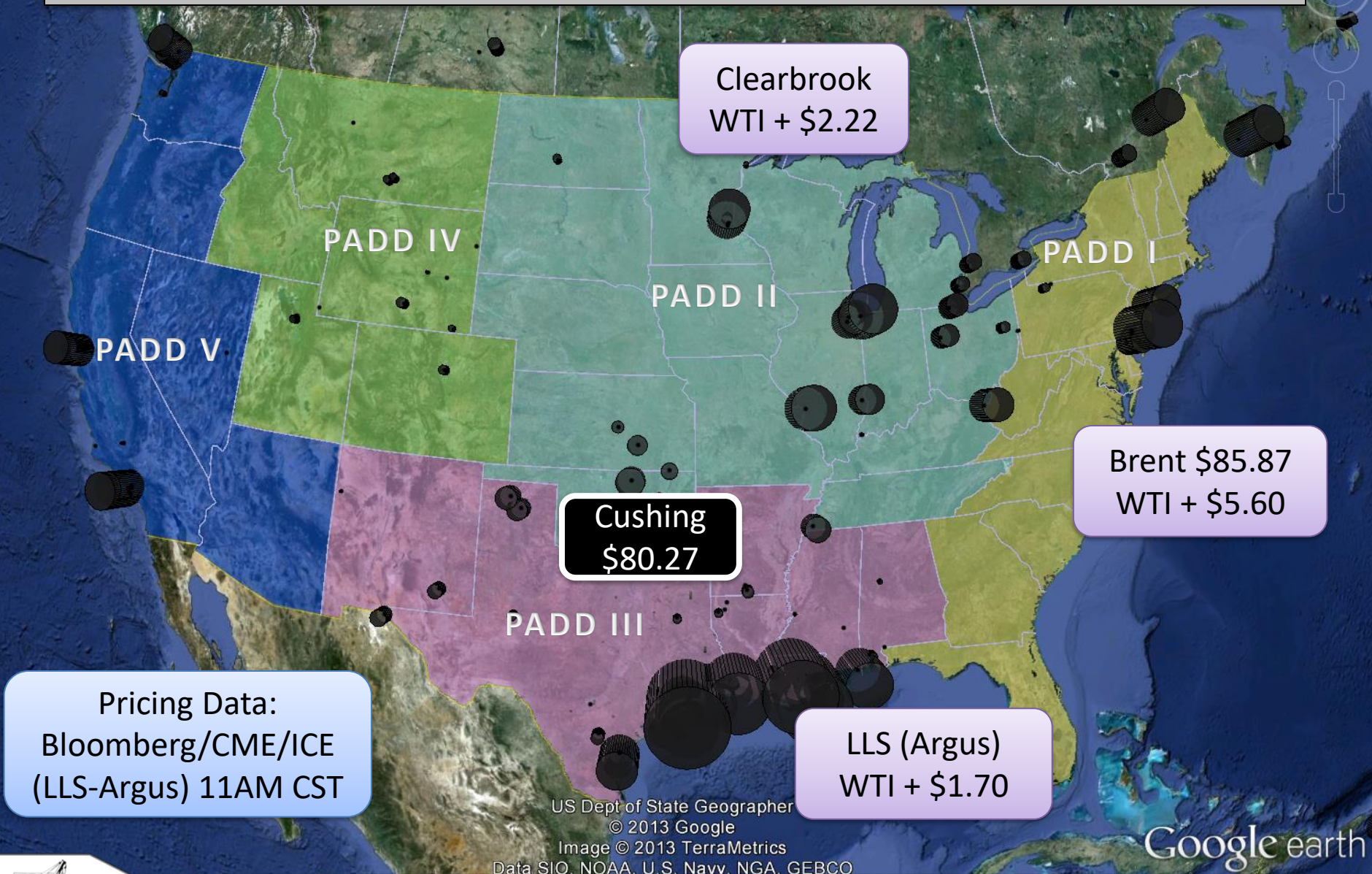
Estimated ND Rail Export Volumes



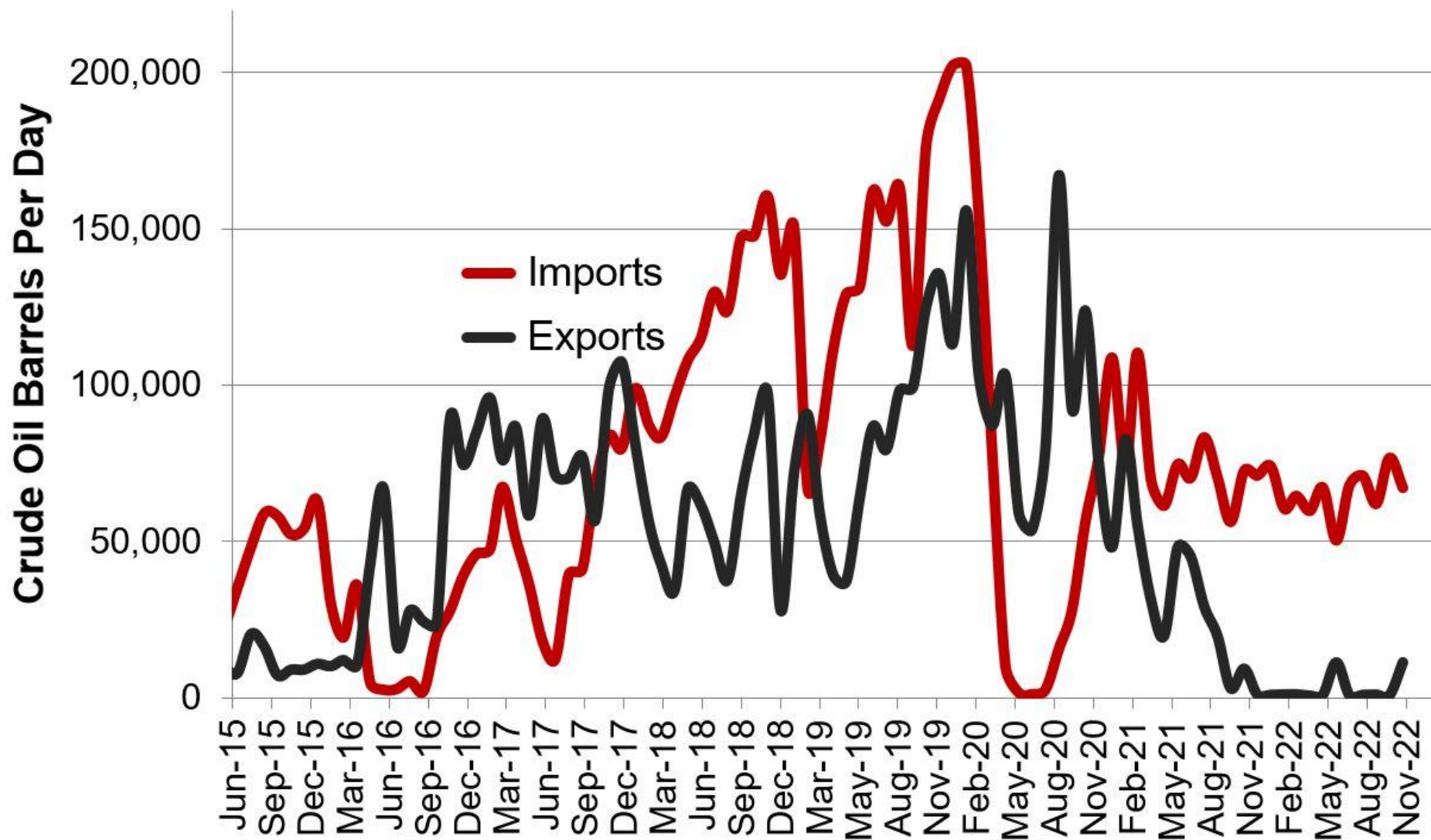
Rail Destinations Market Share (Oct. 2022)



Crude Oil Prices – Jan. 17, 2023



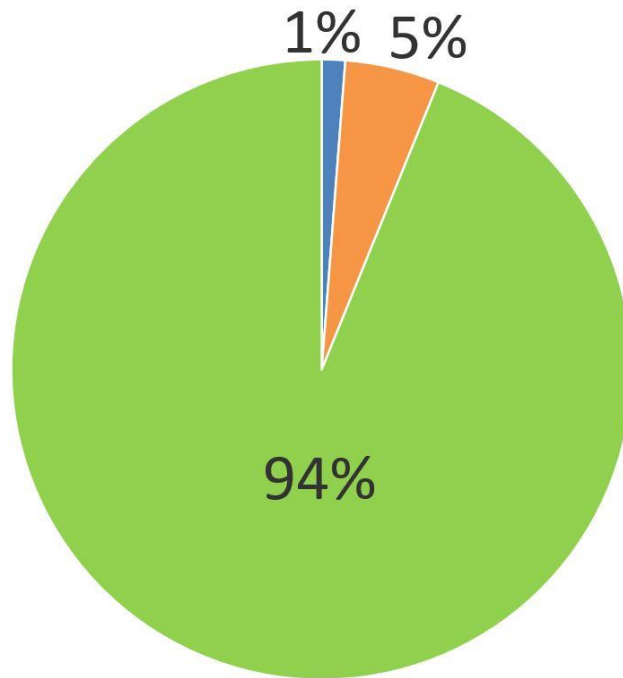
Williston Basin Truck/Rail Imports and Exports with Canada



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.

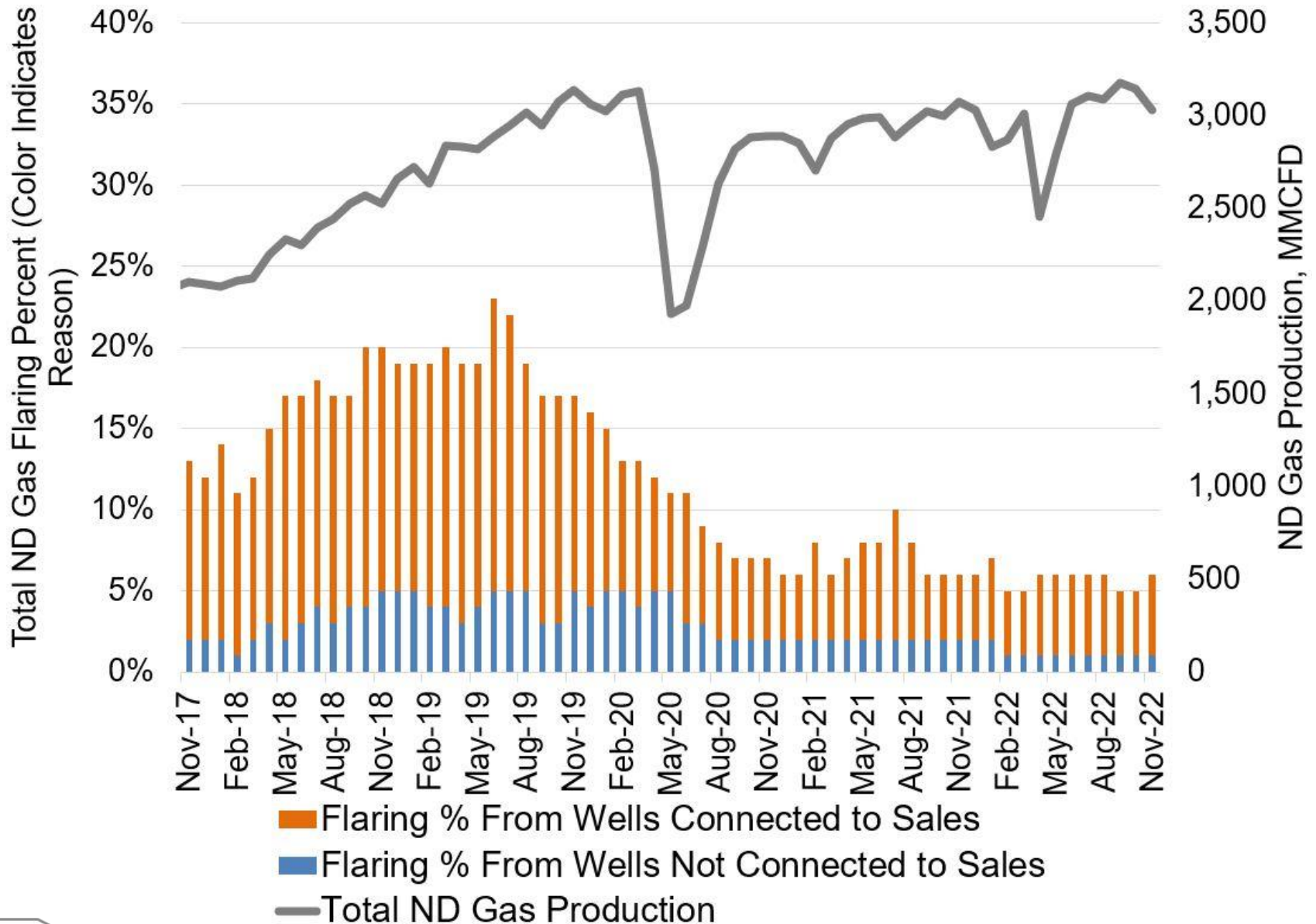
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

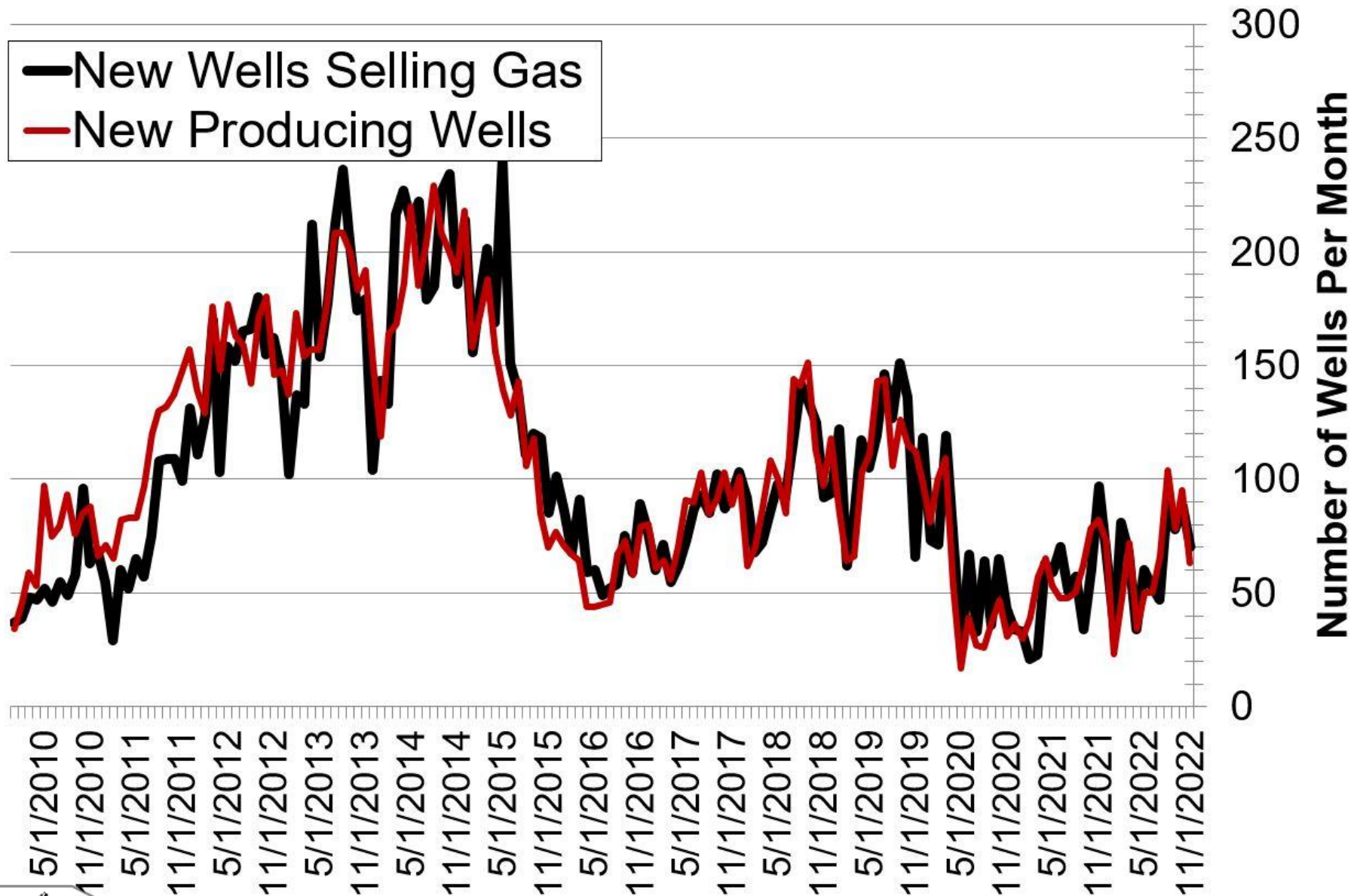
Nov. 2022 Data – Non-Confidential Wells



Solving the Flaring Challenge

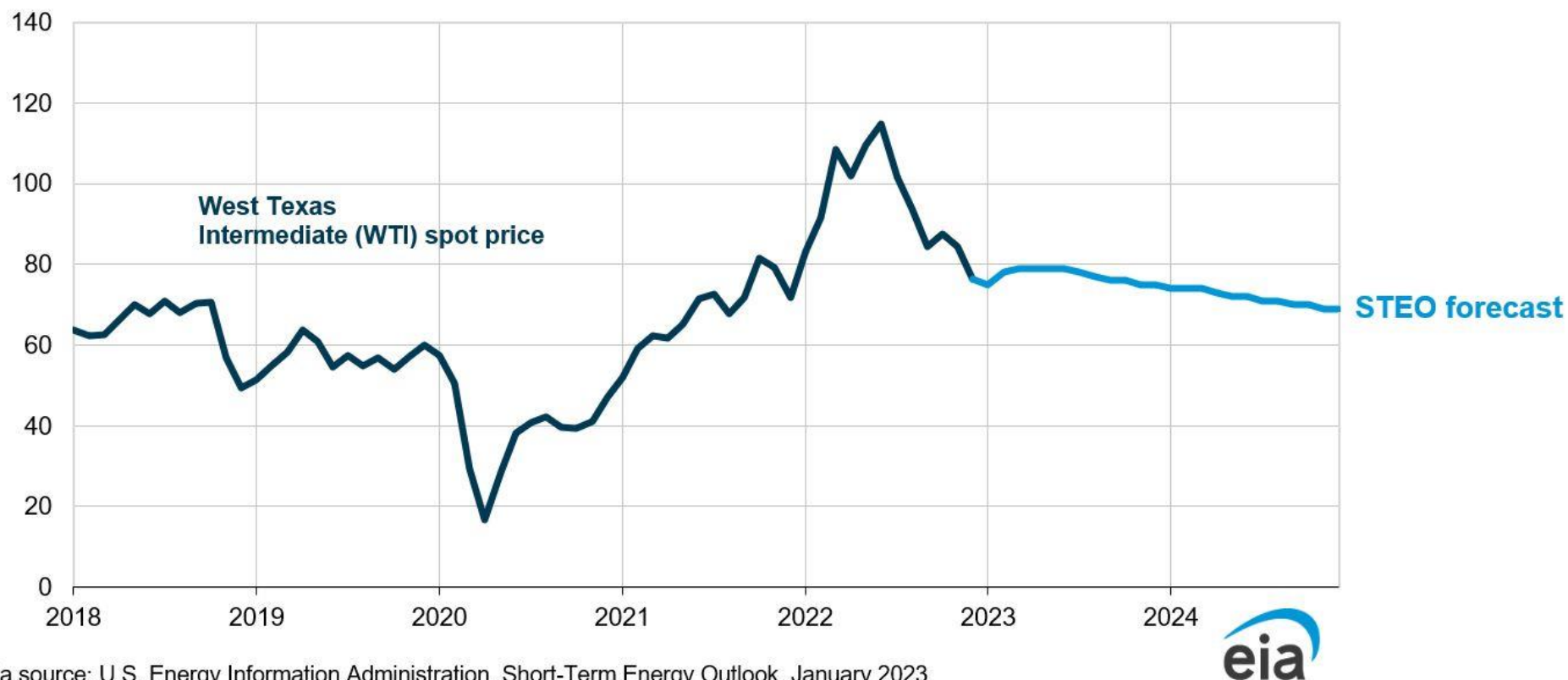


Solving the Flaring Challenge



EIA Oil Price Forecast: Jan. 2023

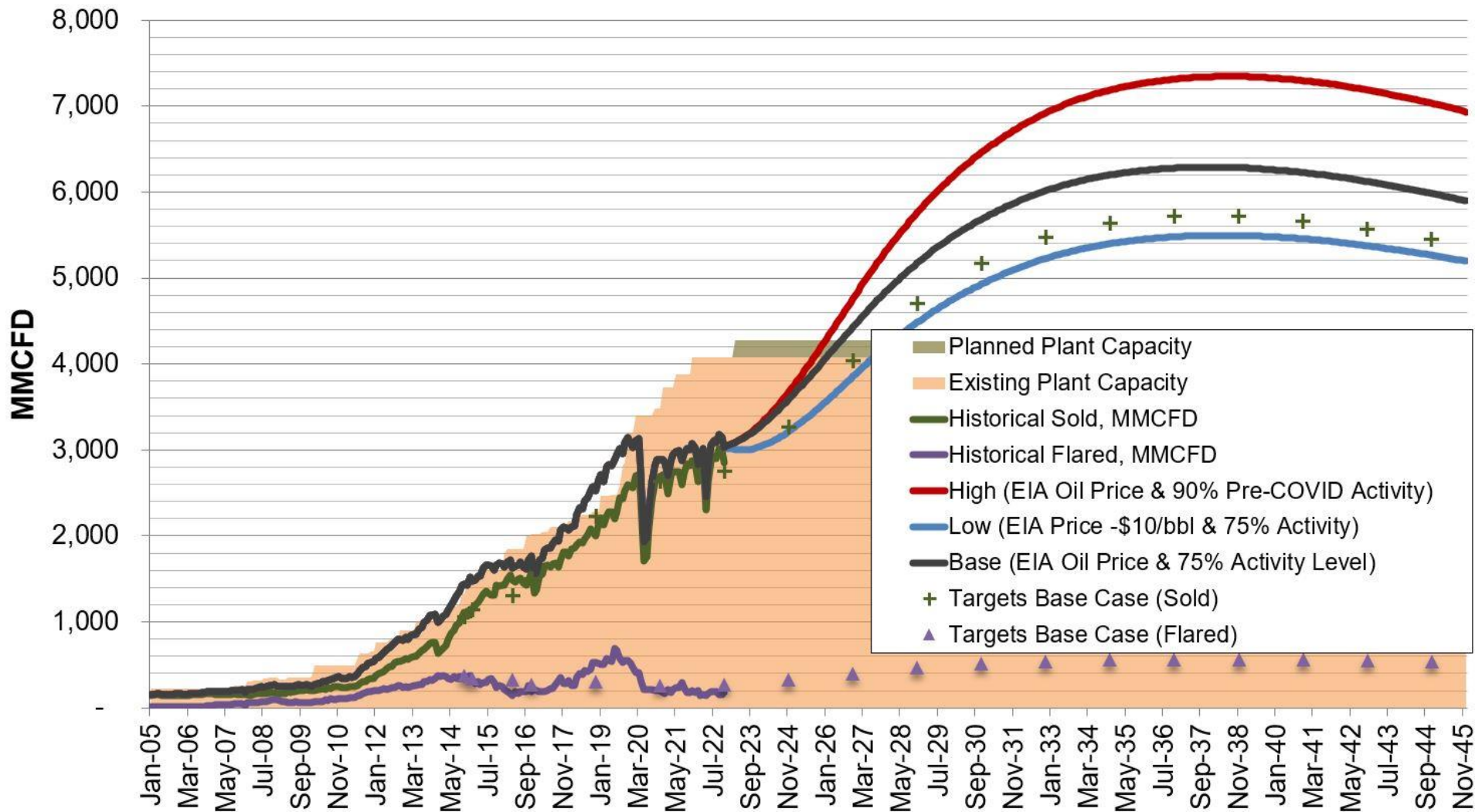
West Texas Intermediate (WTI) crude oil price dollars per barrel



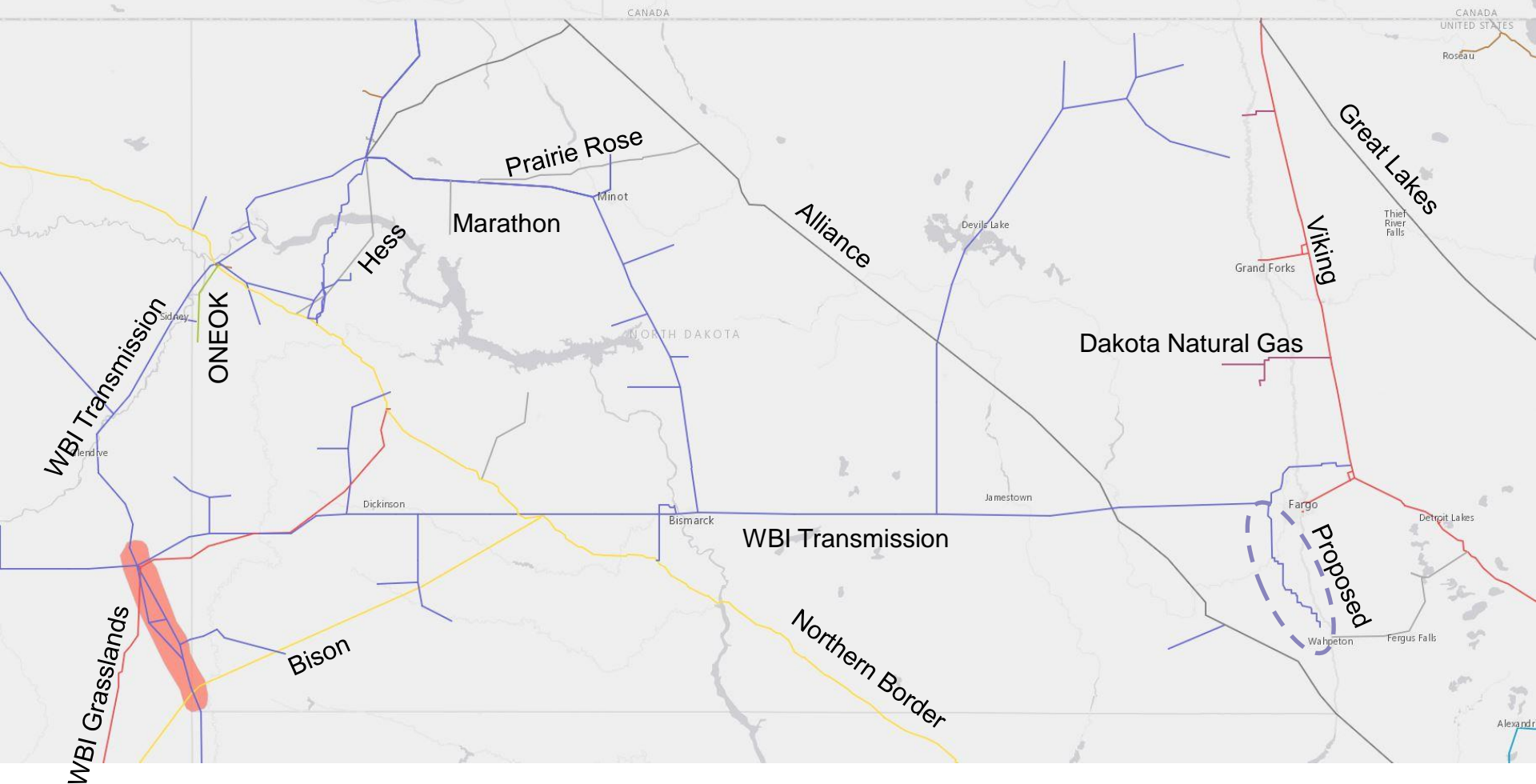
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, January 2023



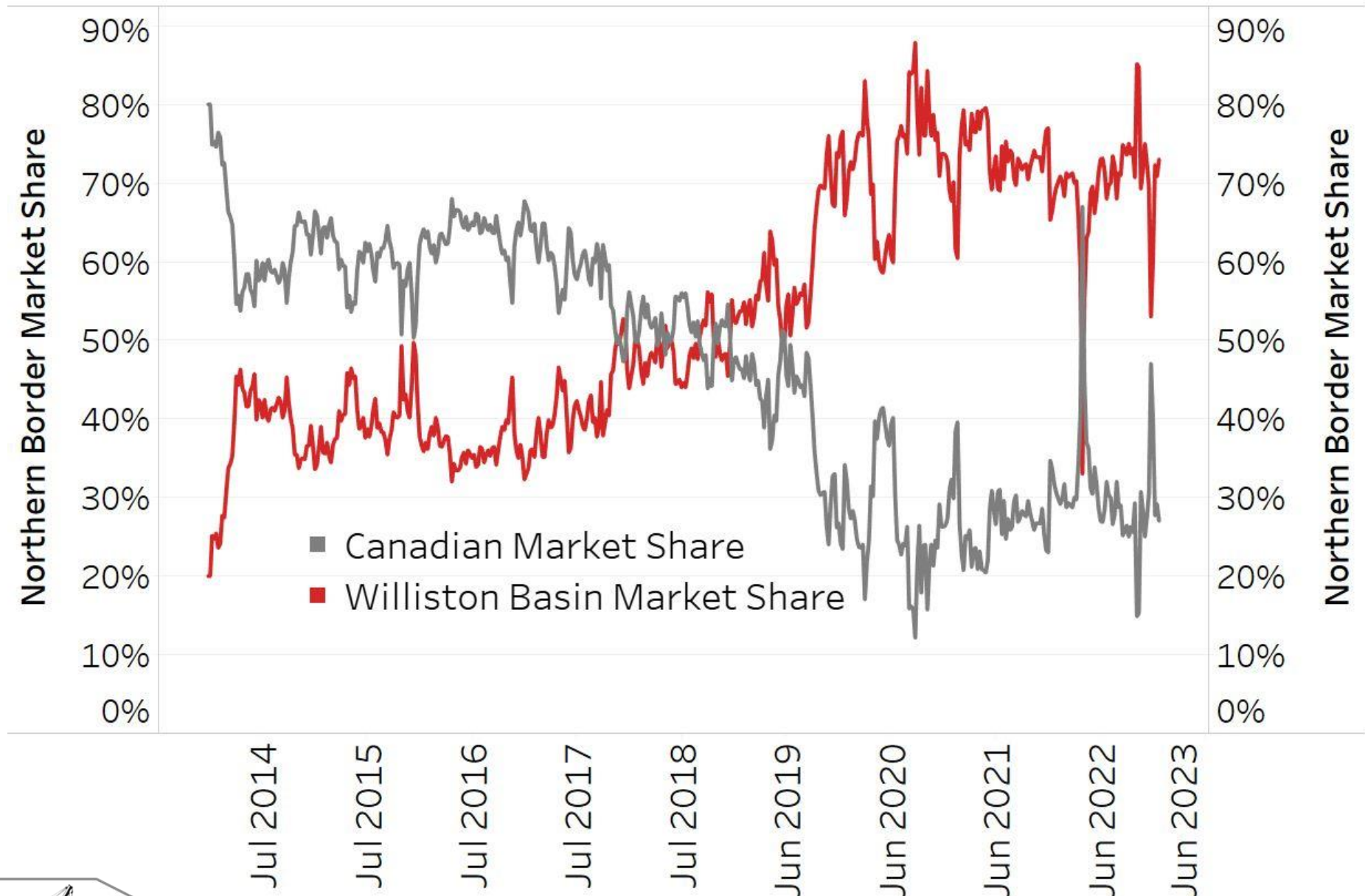
Solving the Flaring Challenge



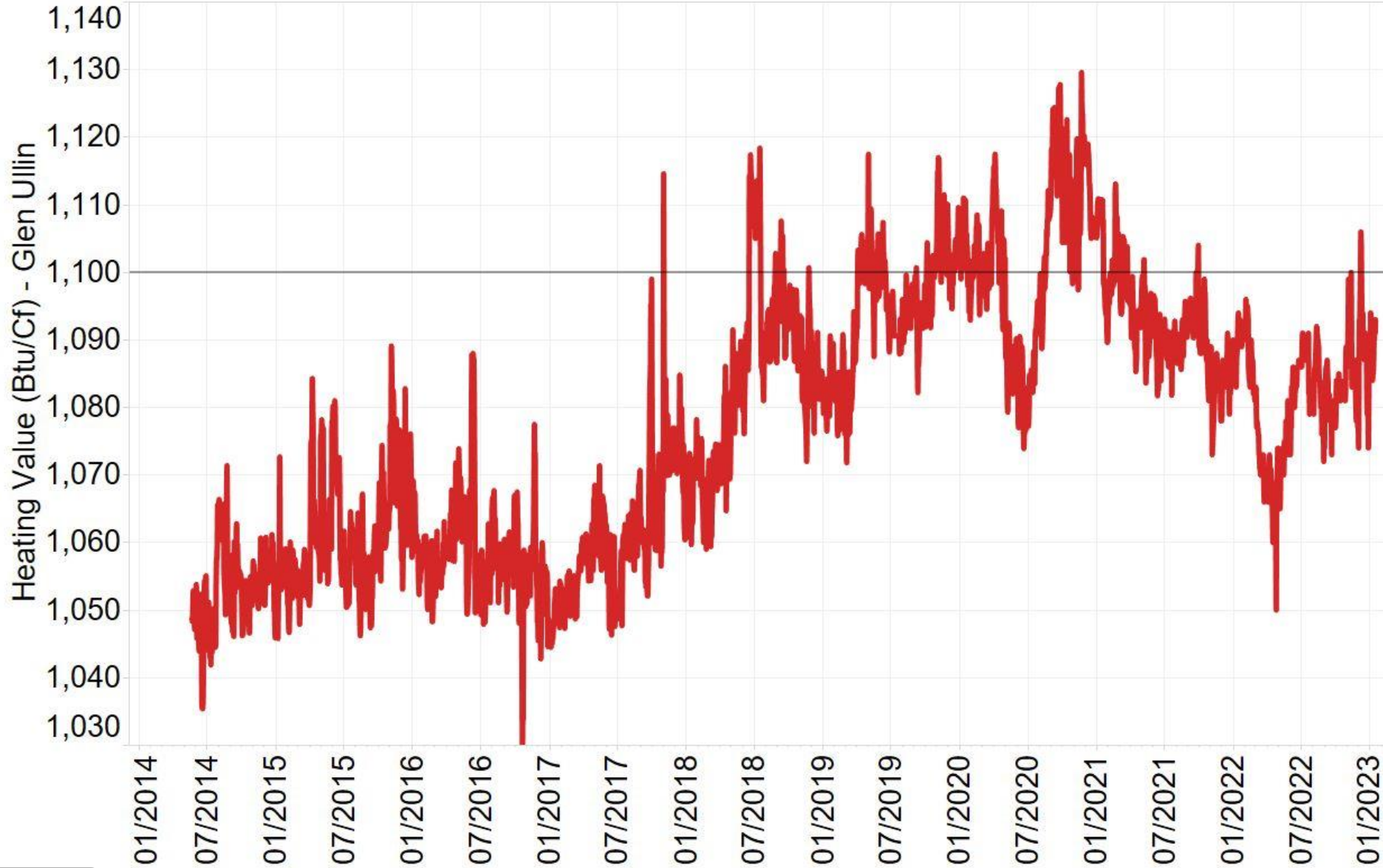
Bakken Natural Gas Infrastructure



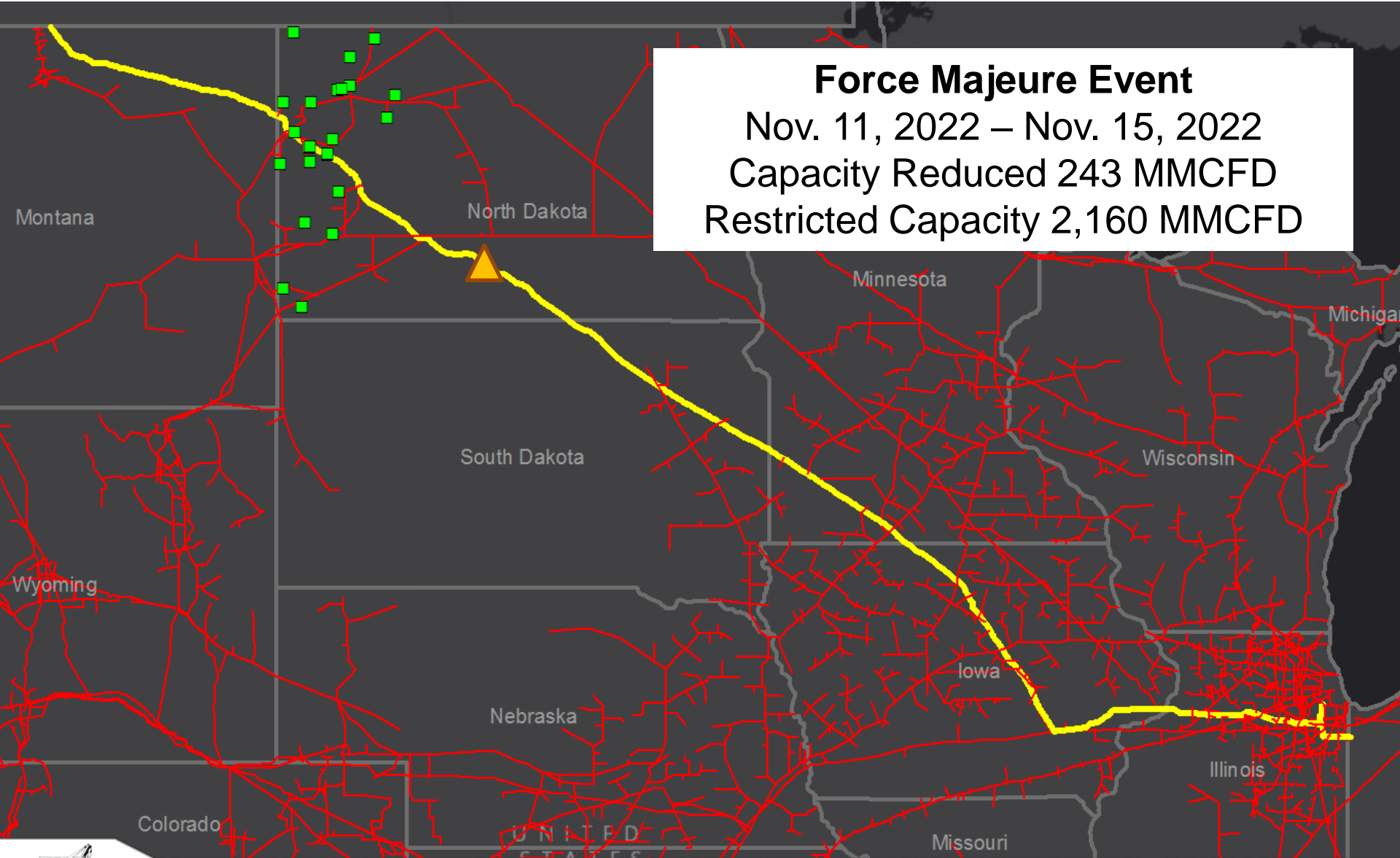
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



St. Anthony Compressor Outage



Force Majeure Event

Nov. 11, 2022 – Nov. 15, 2022

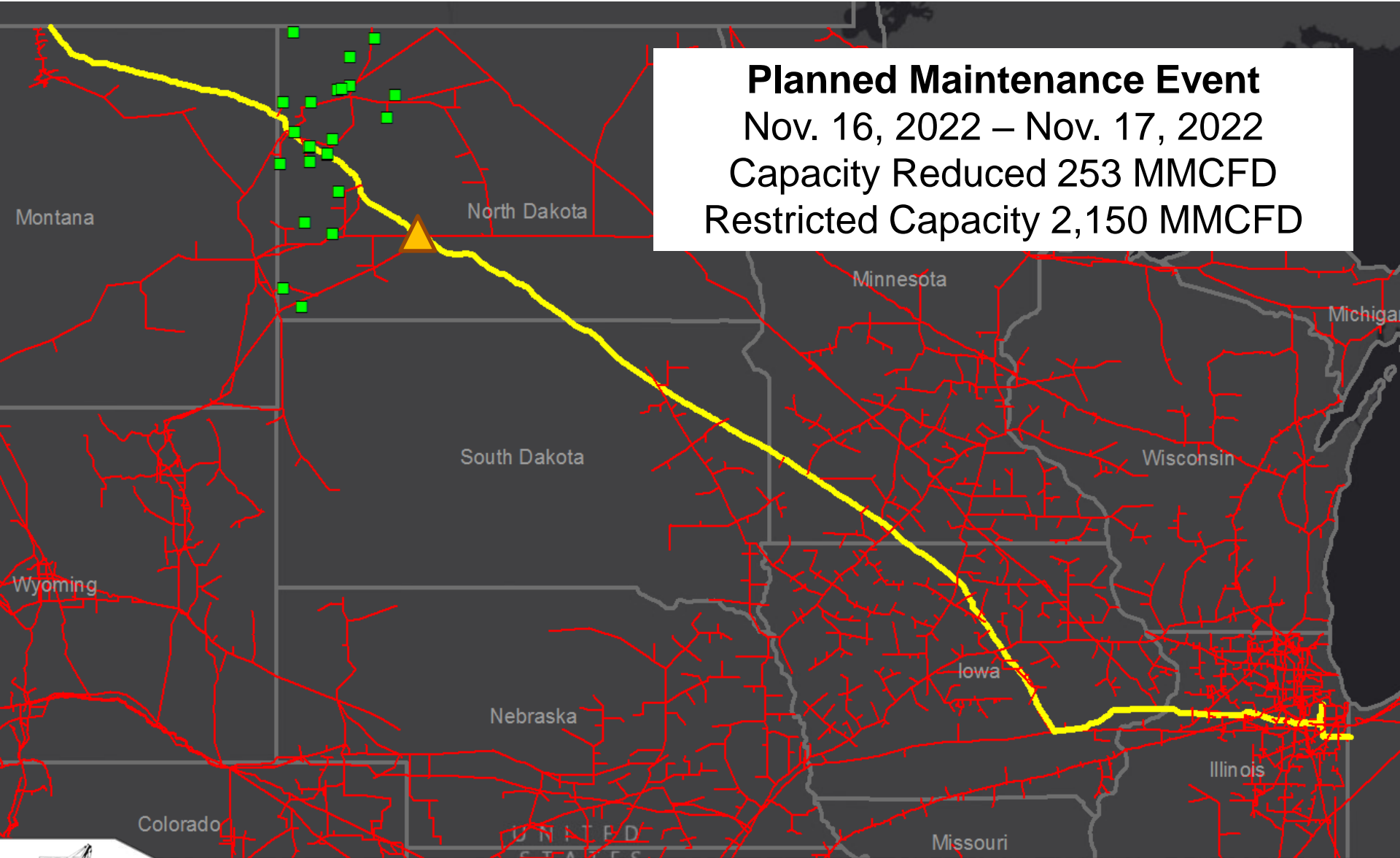
Capacity Reduced 243 MMCFD

Restricted Capacity 2,160 MMCFD

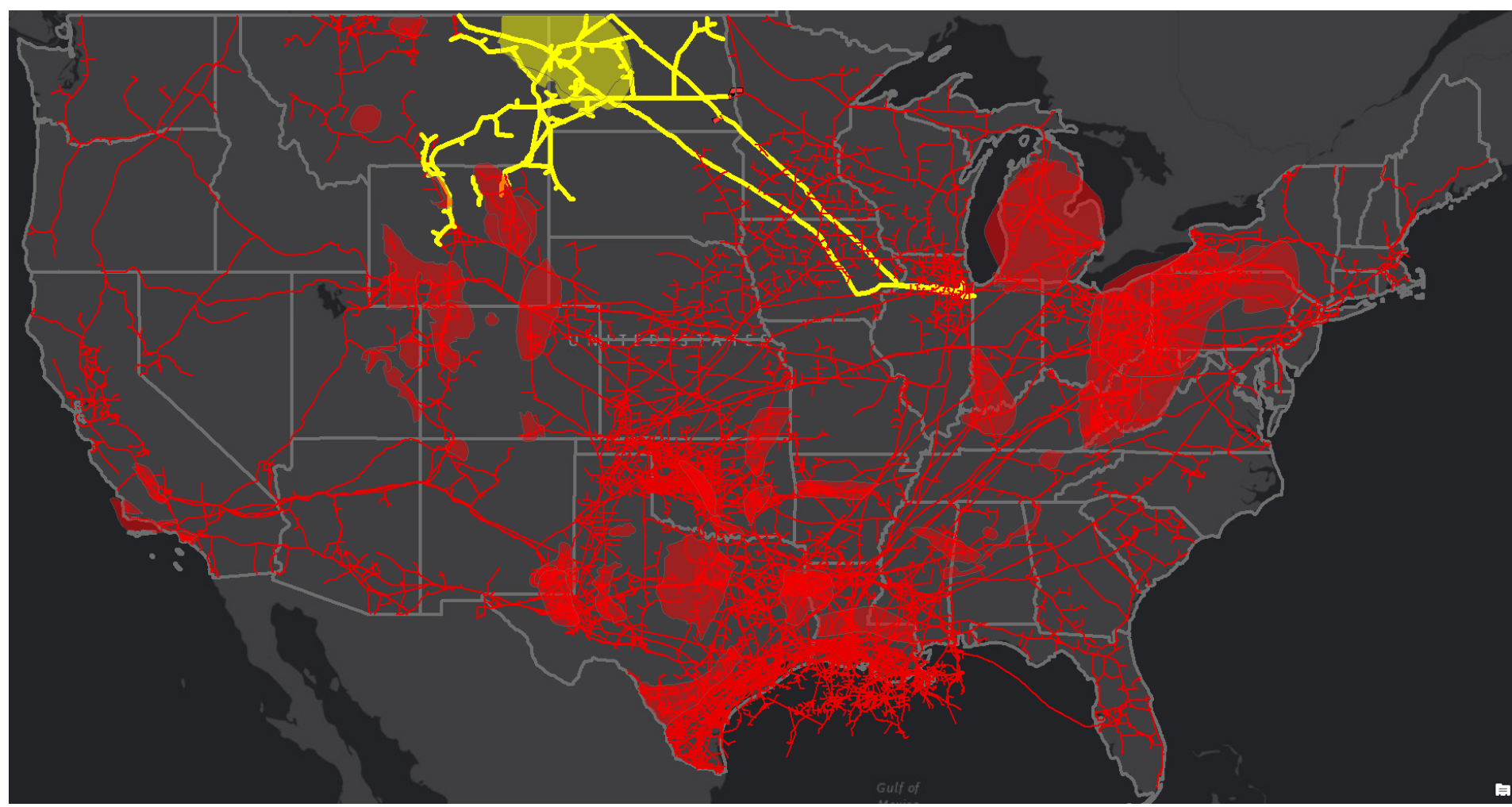


Glen Ullin, ND Maintenance

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.**

