



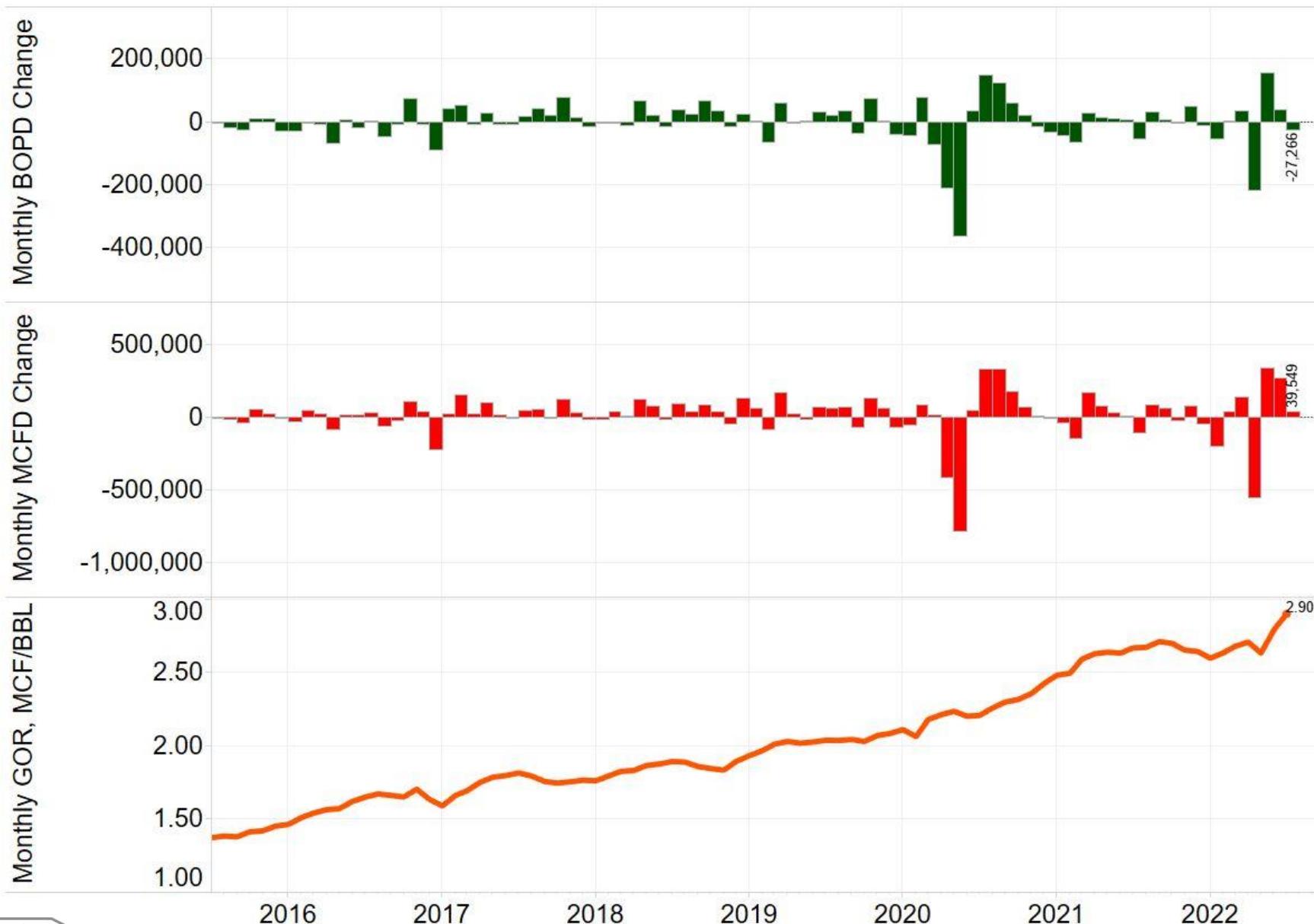
**September 2022 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
September 15, 2022**

US Williston Basin Oil Production - 2022

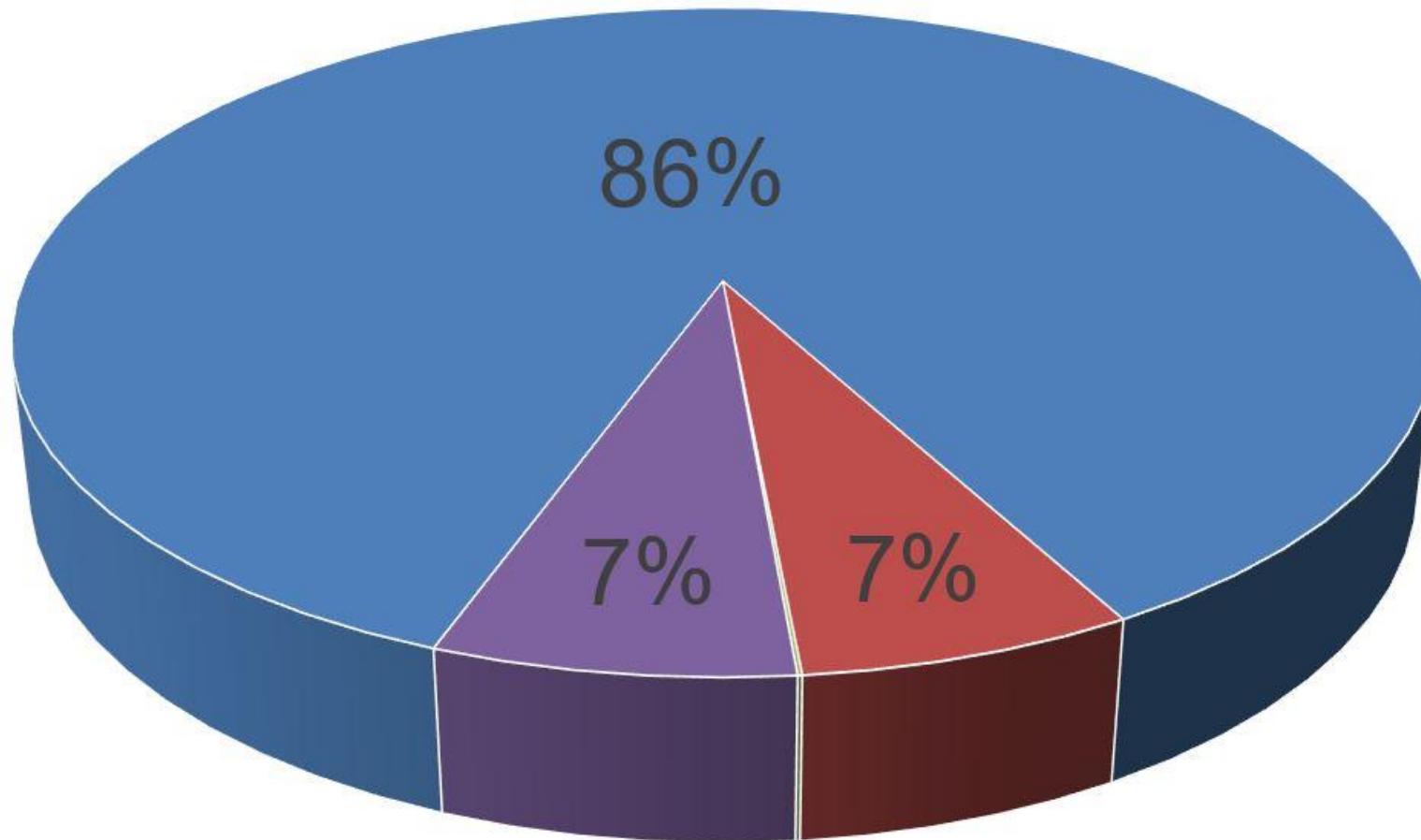
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,088,613	47,599	2,709	1,138,921
February	1,089,091	46,945	2,742	1,138,778
March	1,122,640	49,451	2,709	1,174,800
April	905,357	49,804	2,338	957,499
May	1,059,060	48,994	2,648	1,110,702
June	1,096,783		2,764	
July	1,069,517			
August				
September				
October				
November				
December				



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

0%

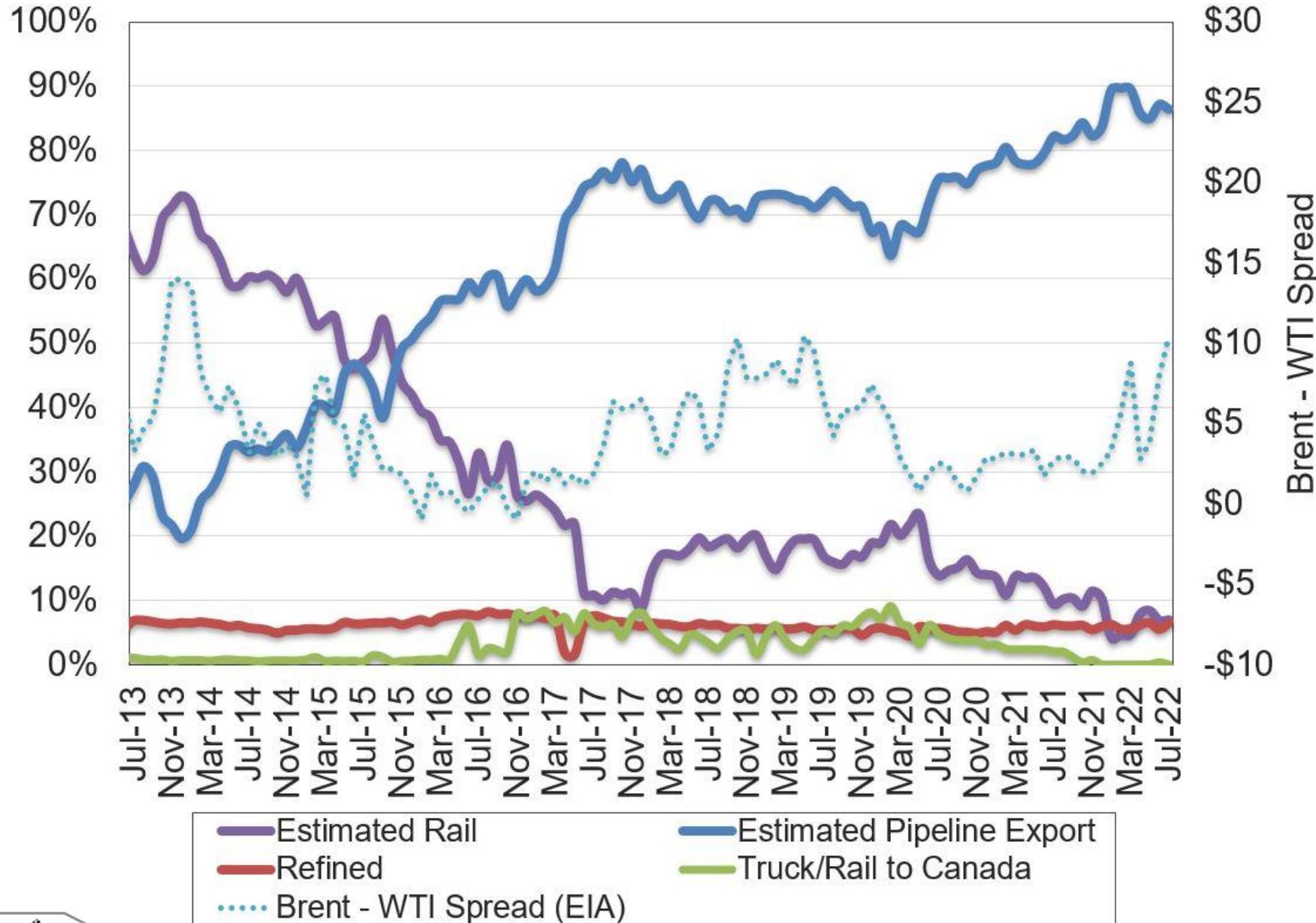
■ Refined

■ Estimated Rail

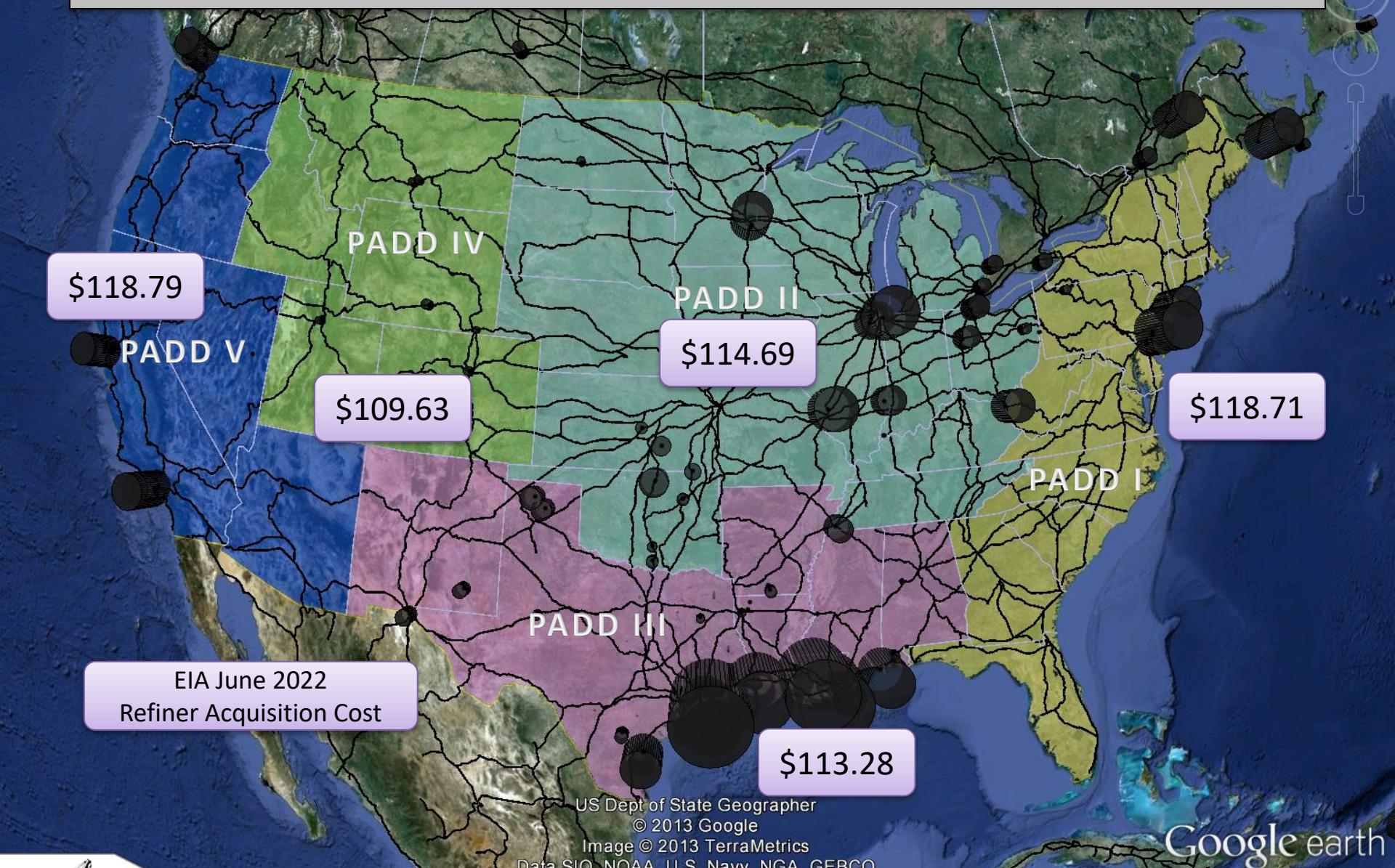
July 2022



Estimated Williston Basin Oil Transportation



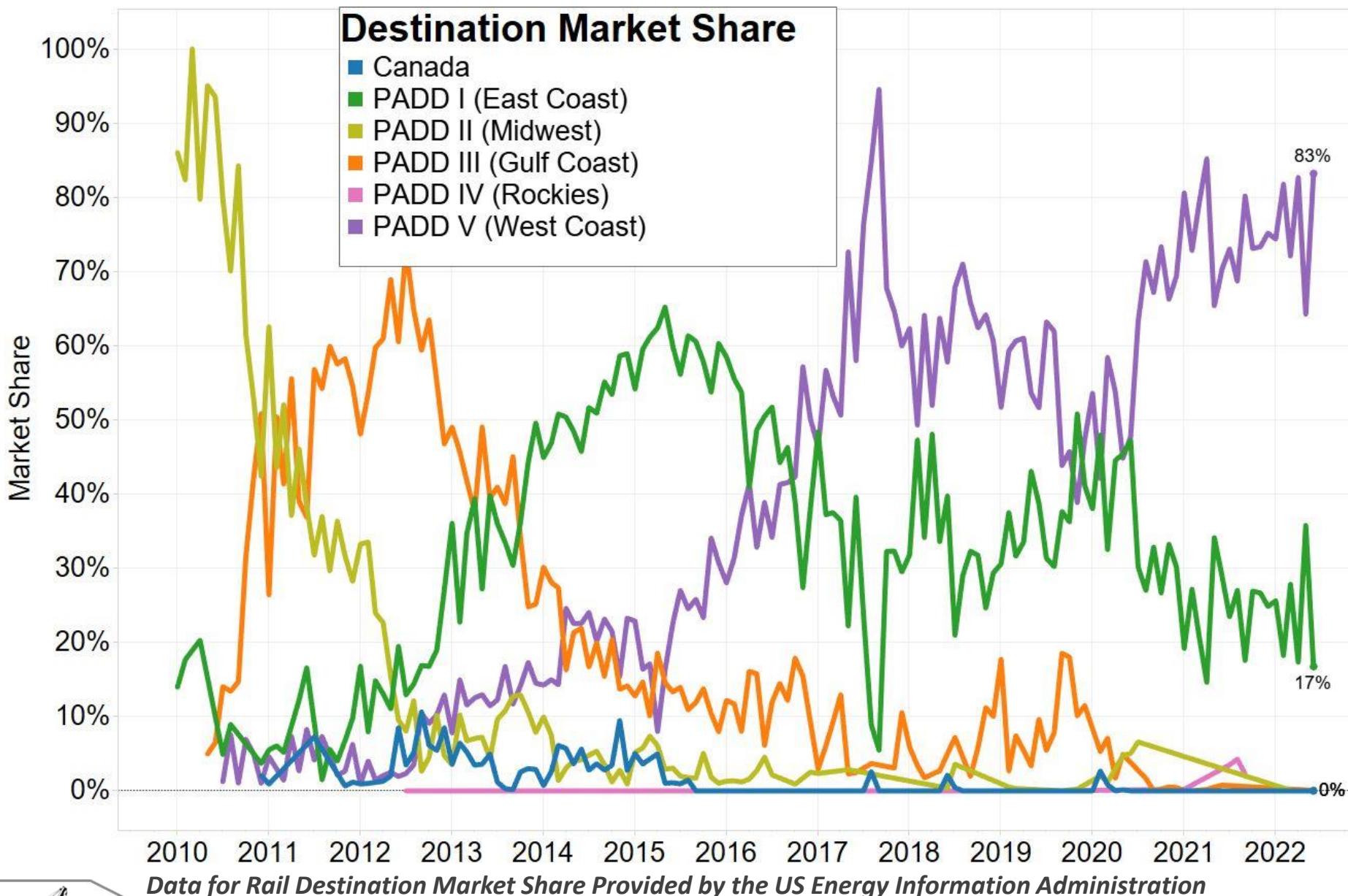
Major Rail Lines and Refineries



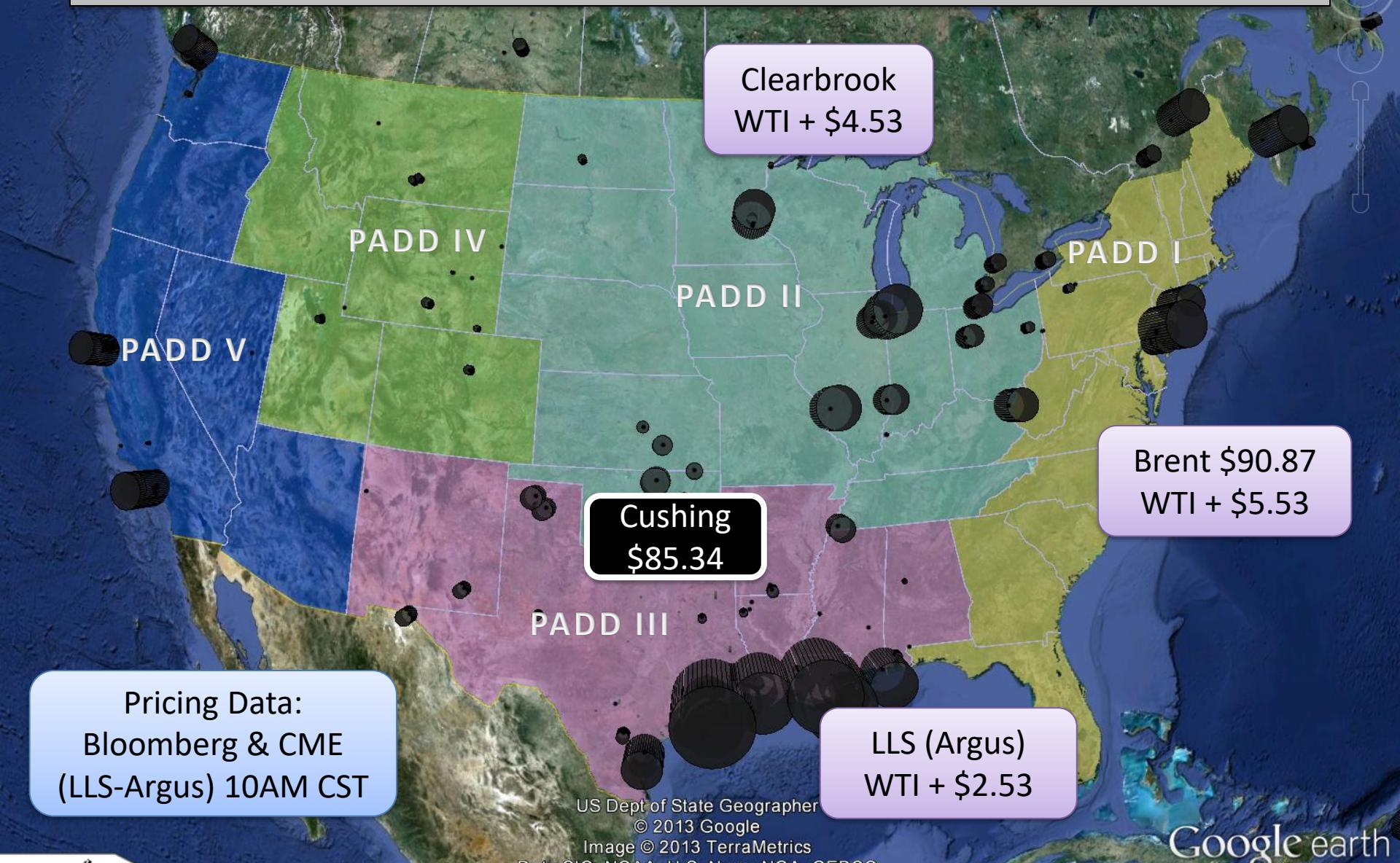
Estimated ND Rail Export Volumes



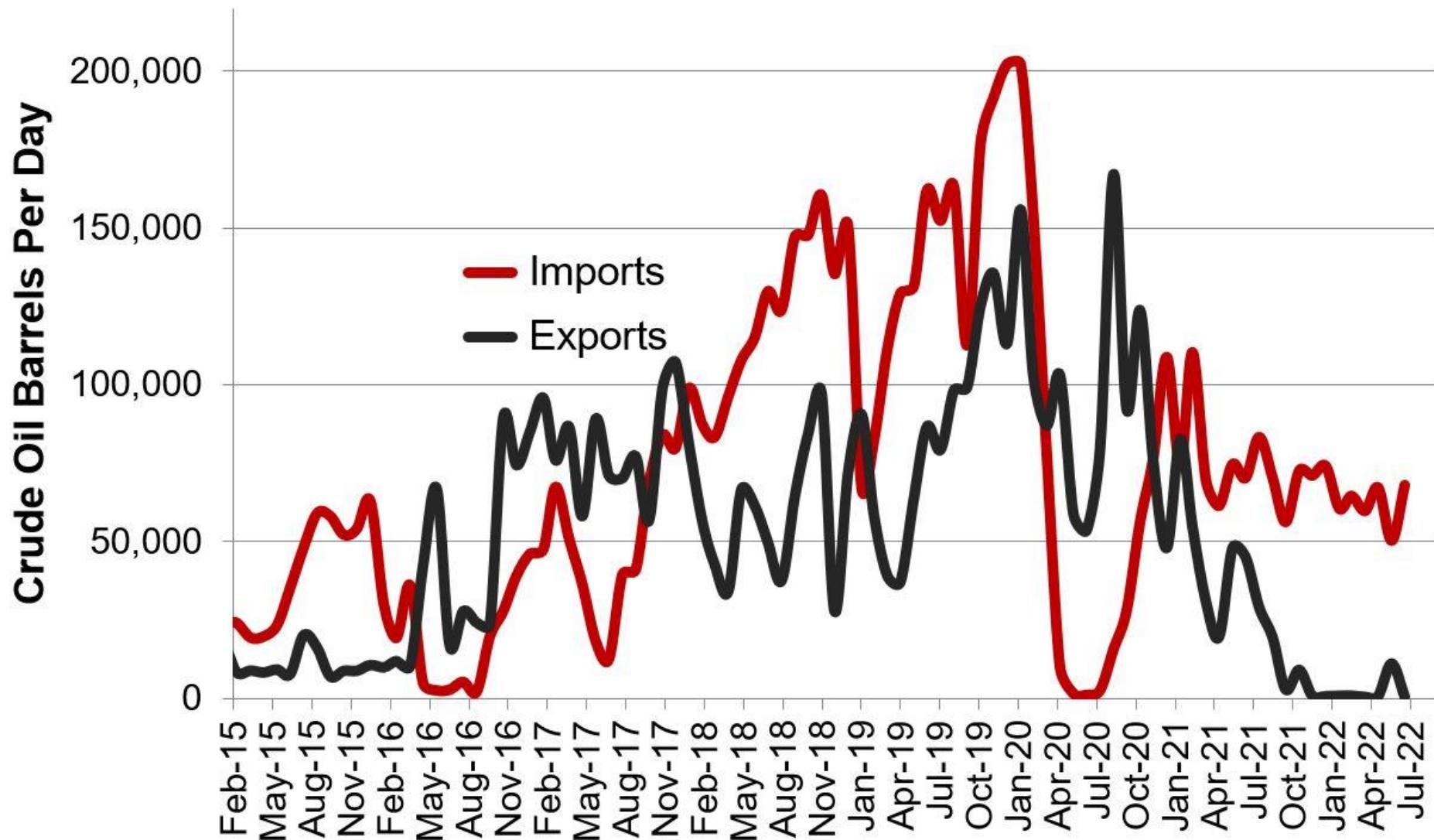
Rail Destinations Market Share (June 2022)



Crude Oil Prices – Sep. 15, 2022



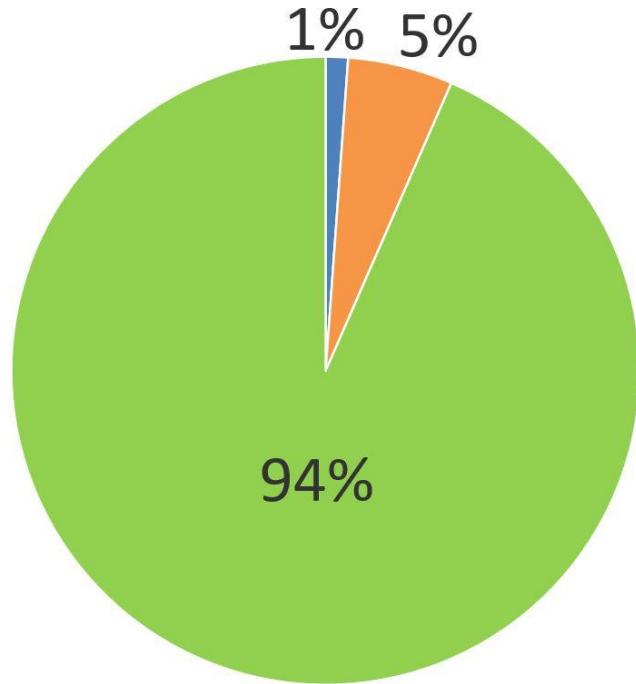
Williston Basin Truck/Rail Imports and Exports with Canada



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.

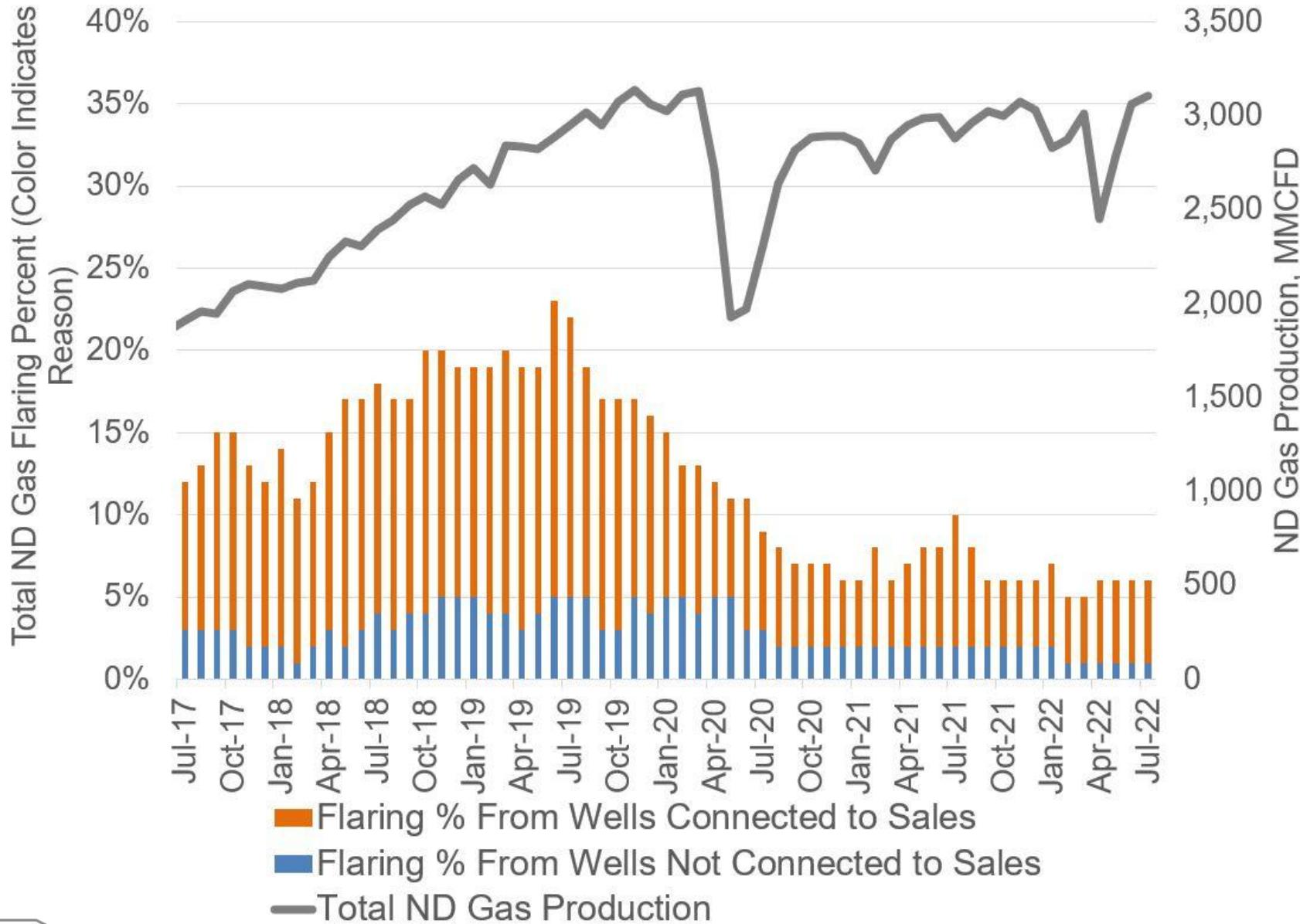
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

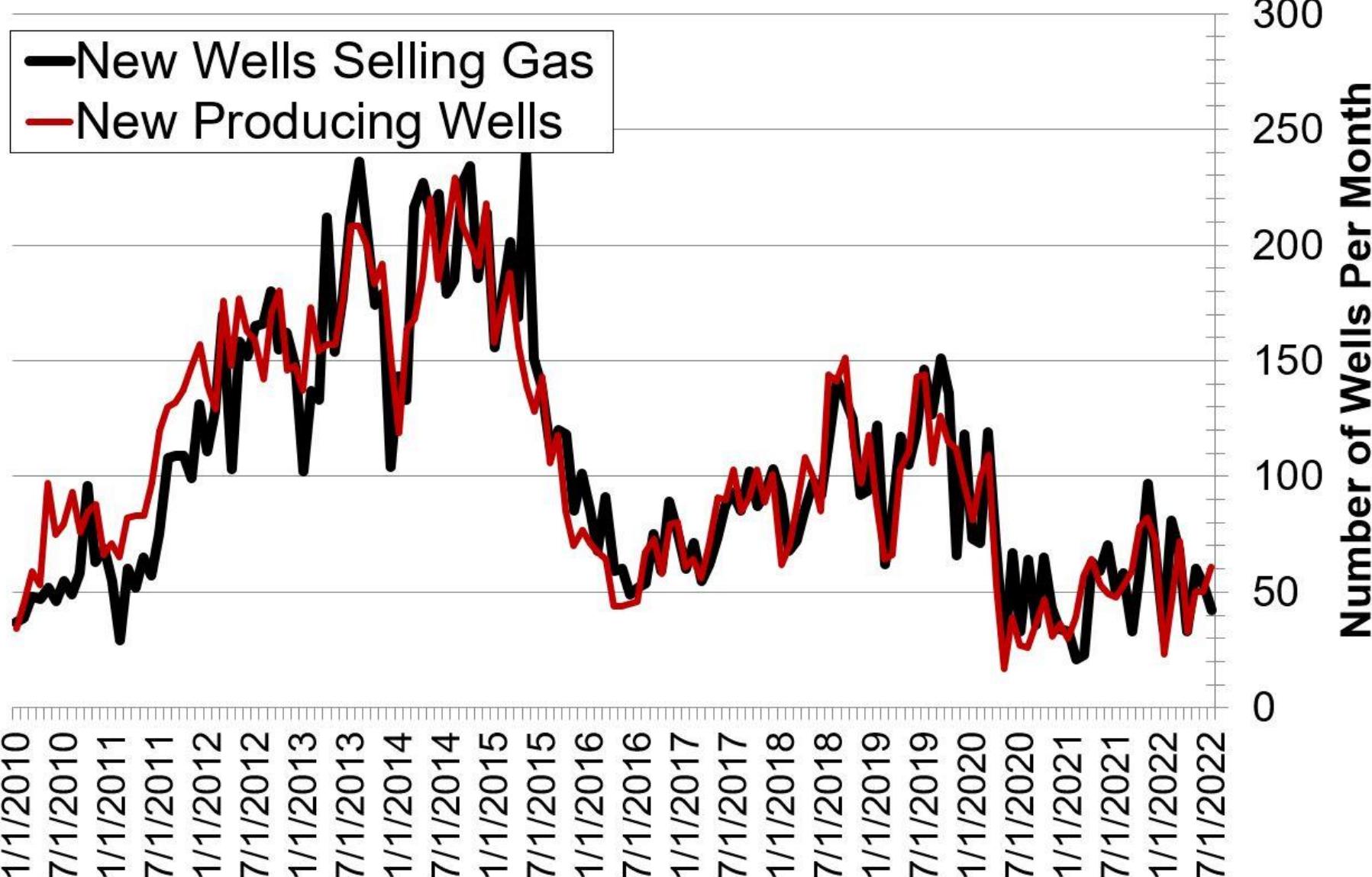
July 2022 Data – Non-Confidential Wells



Solving the Flaring Challenge



Solving the Flaring Challenge



EIA Oil Price Forecast: Sep. 2022

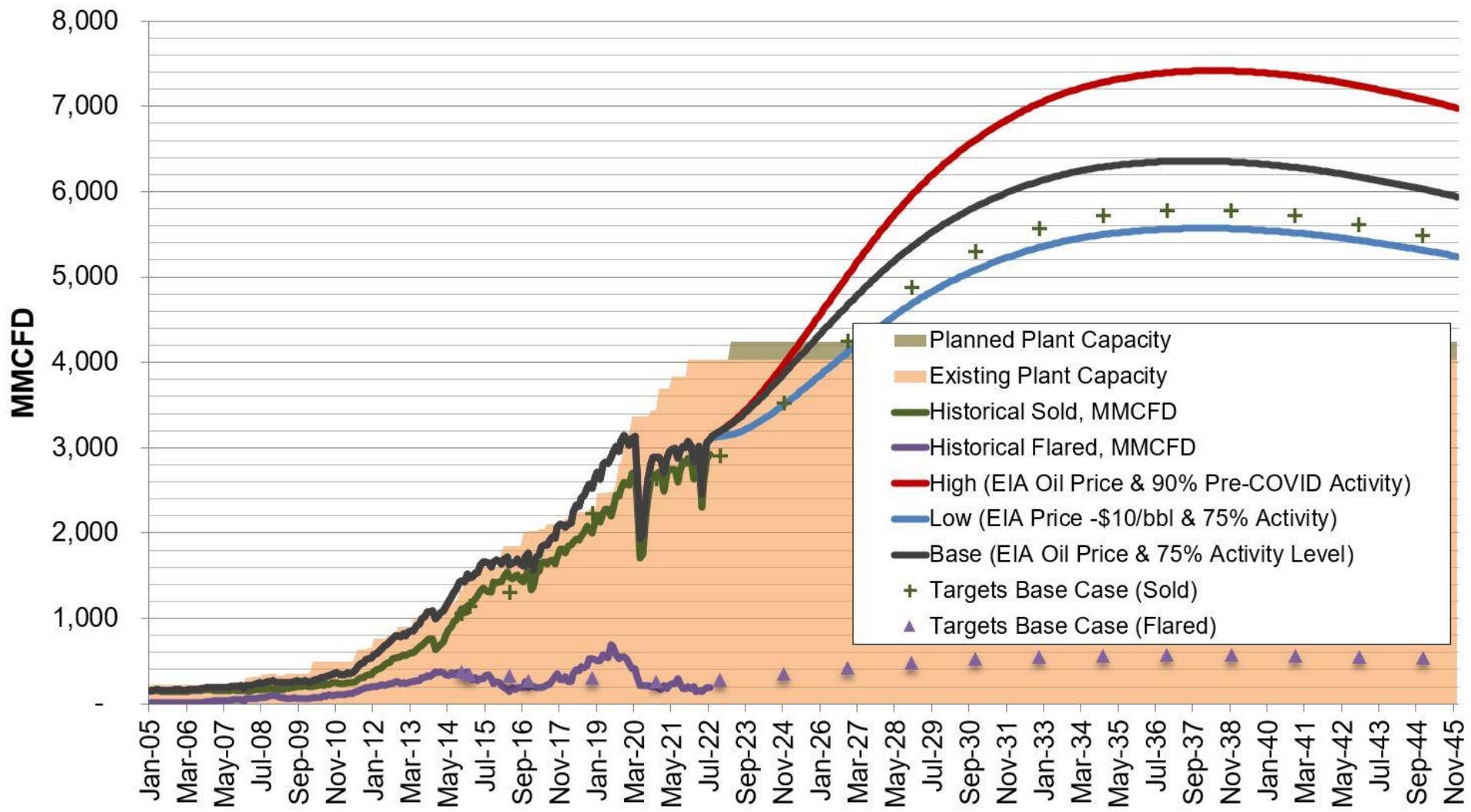
West Texas Intermediate (WTI) crude oil price
dollars per barrel



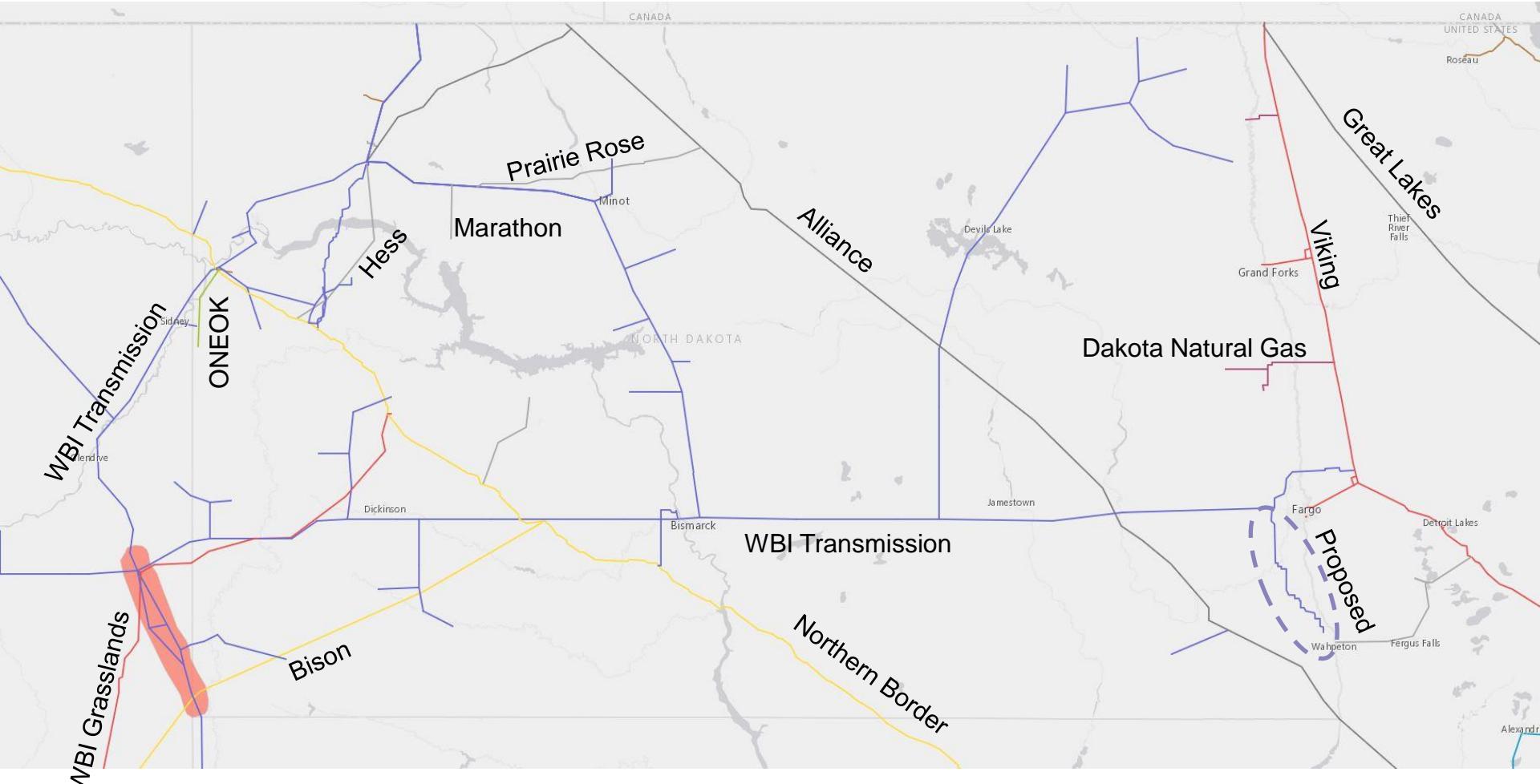
Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, September 2022



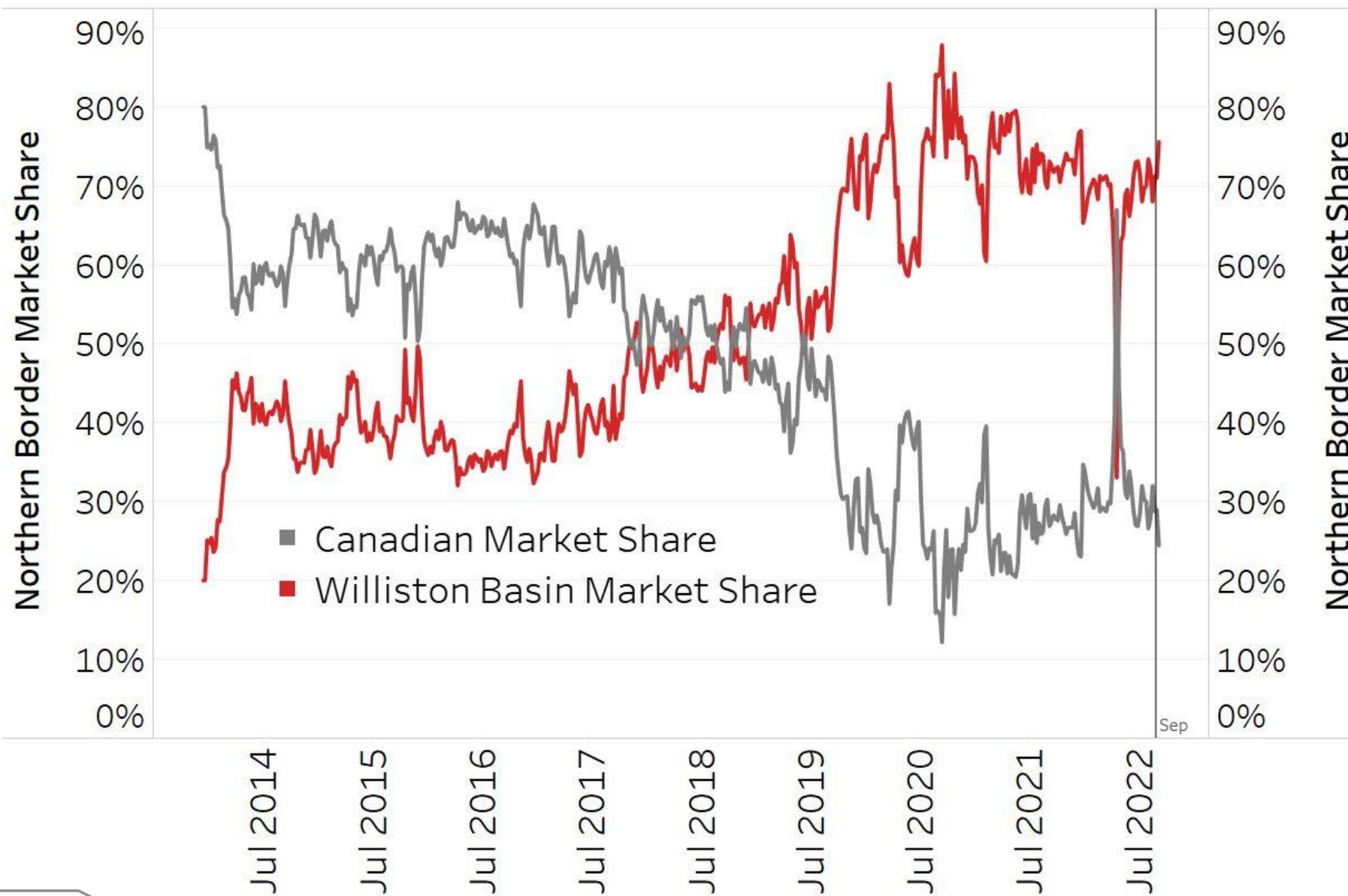
Solving the Flaring Challenge



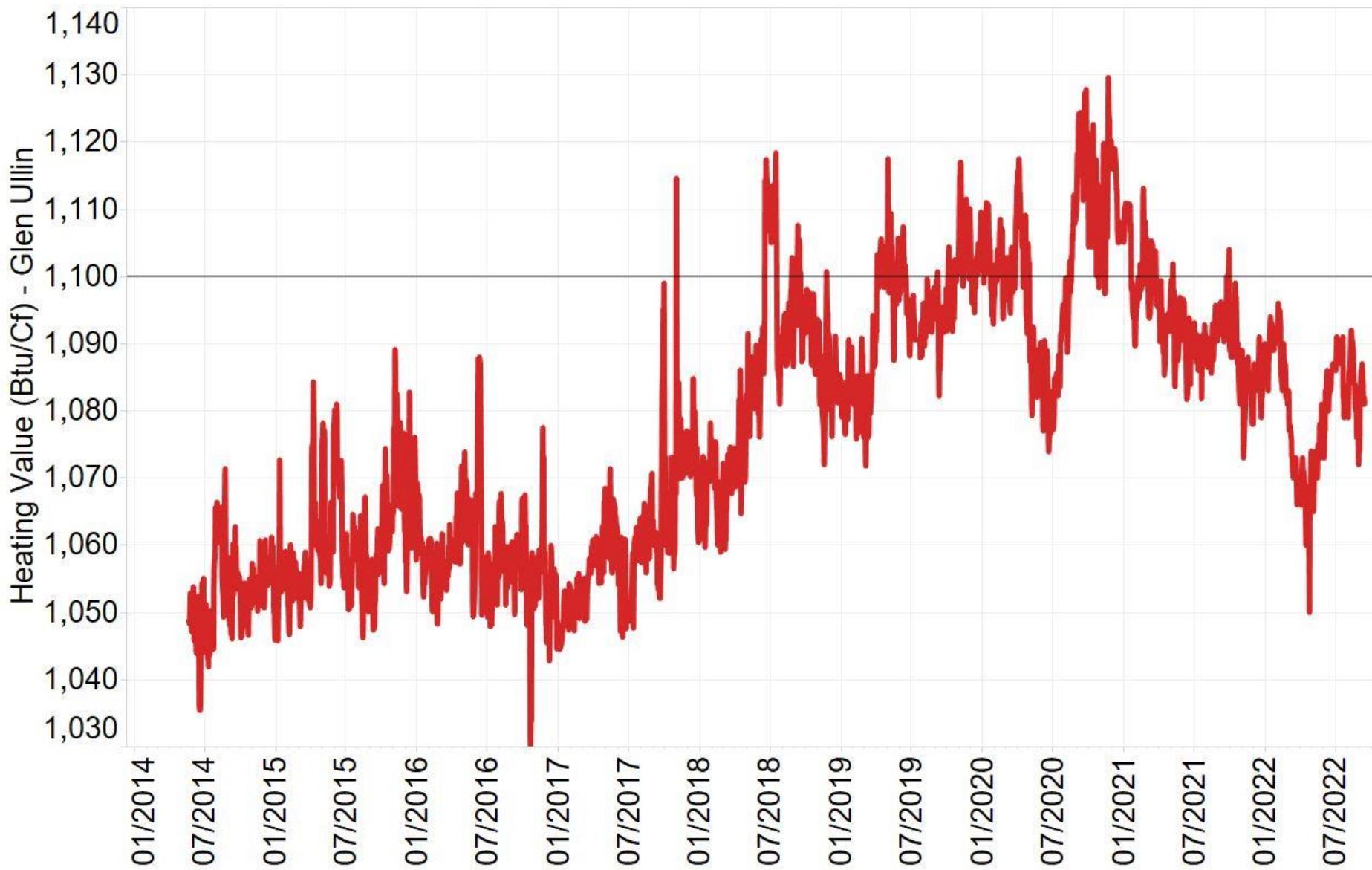
Bakken Natural Gas Infrastructure



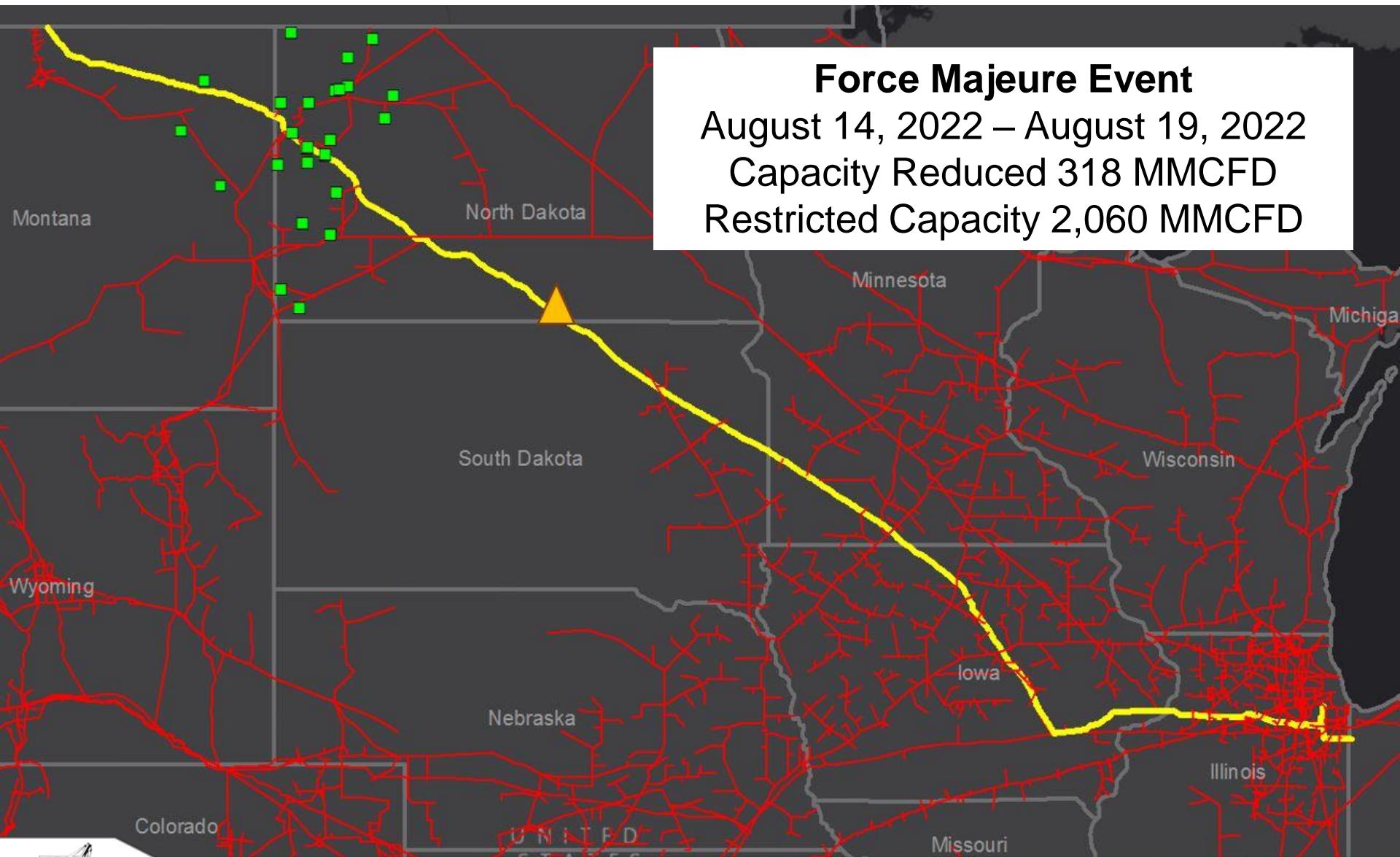
Northern Border Pipeline Market Share



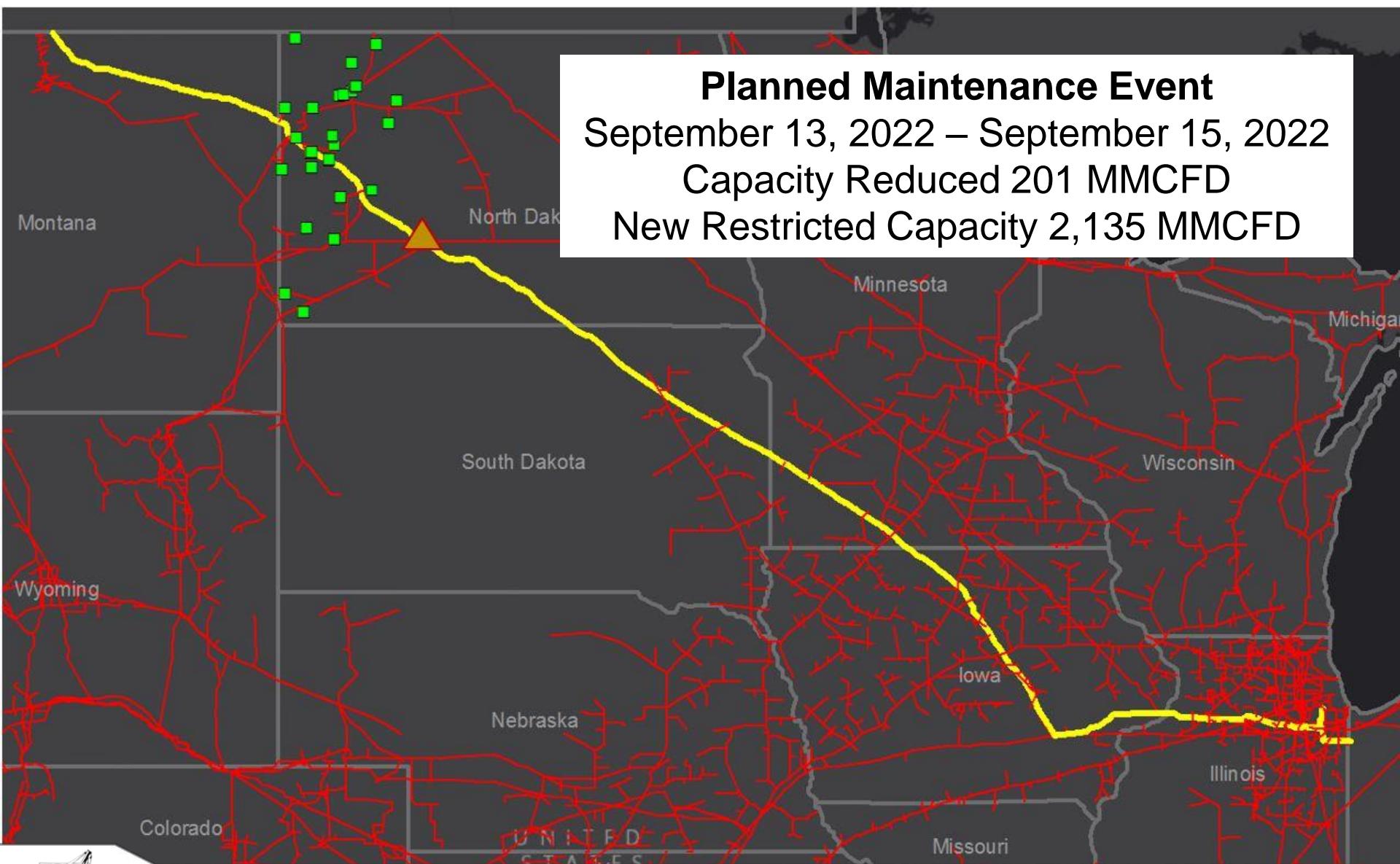
Northern Border BTU at Glen Ullin, ND



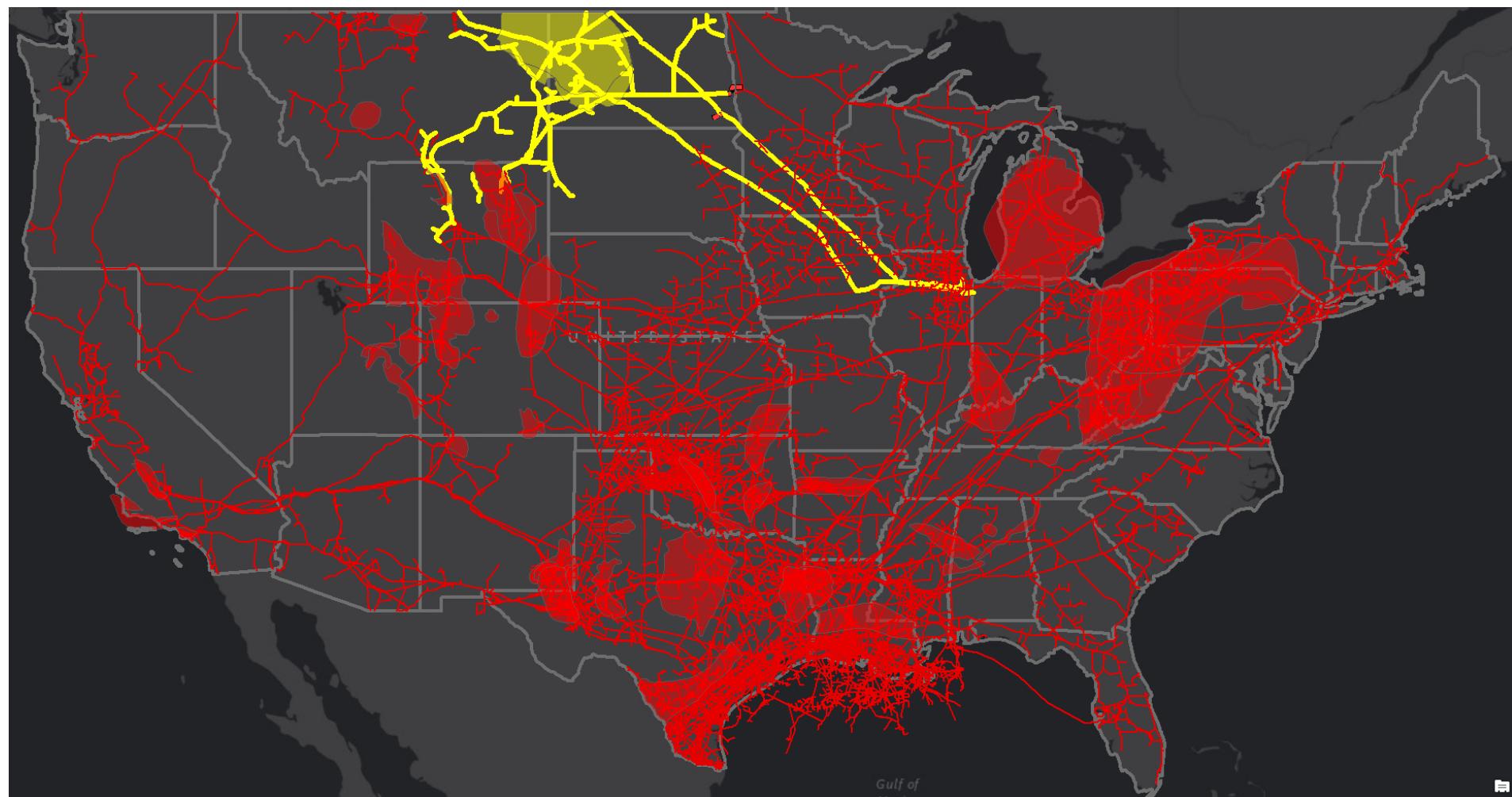
Zeeland, ND Compressor Outage



Glen Ullin, ND Compressor



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



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



JJ Kringstad - North Dakota Pipeline Authority

Websites:

www.pipeline.nd.gov

www.northdakotapipelines.com

