



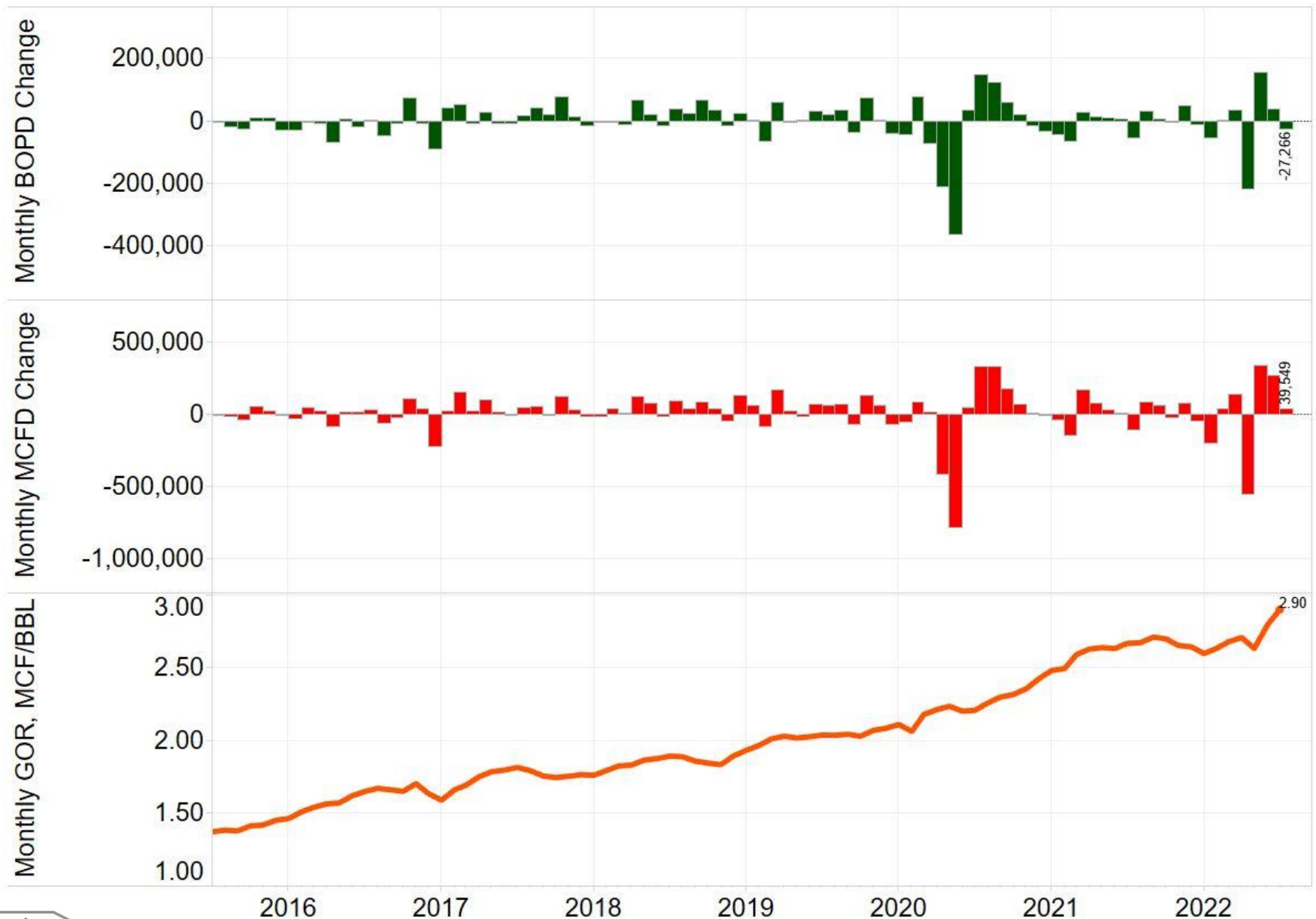
September 2022 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
September 15, 2022

US Williston Basin Oil Production - 2022

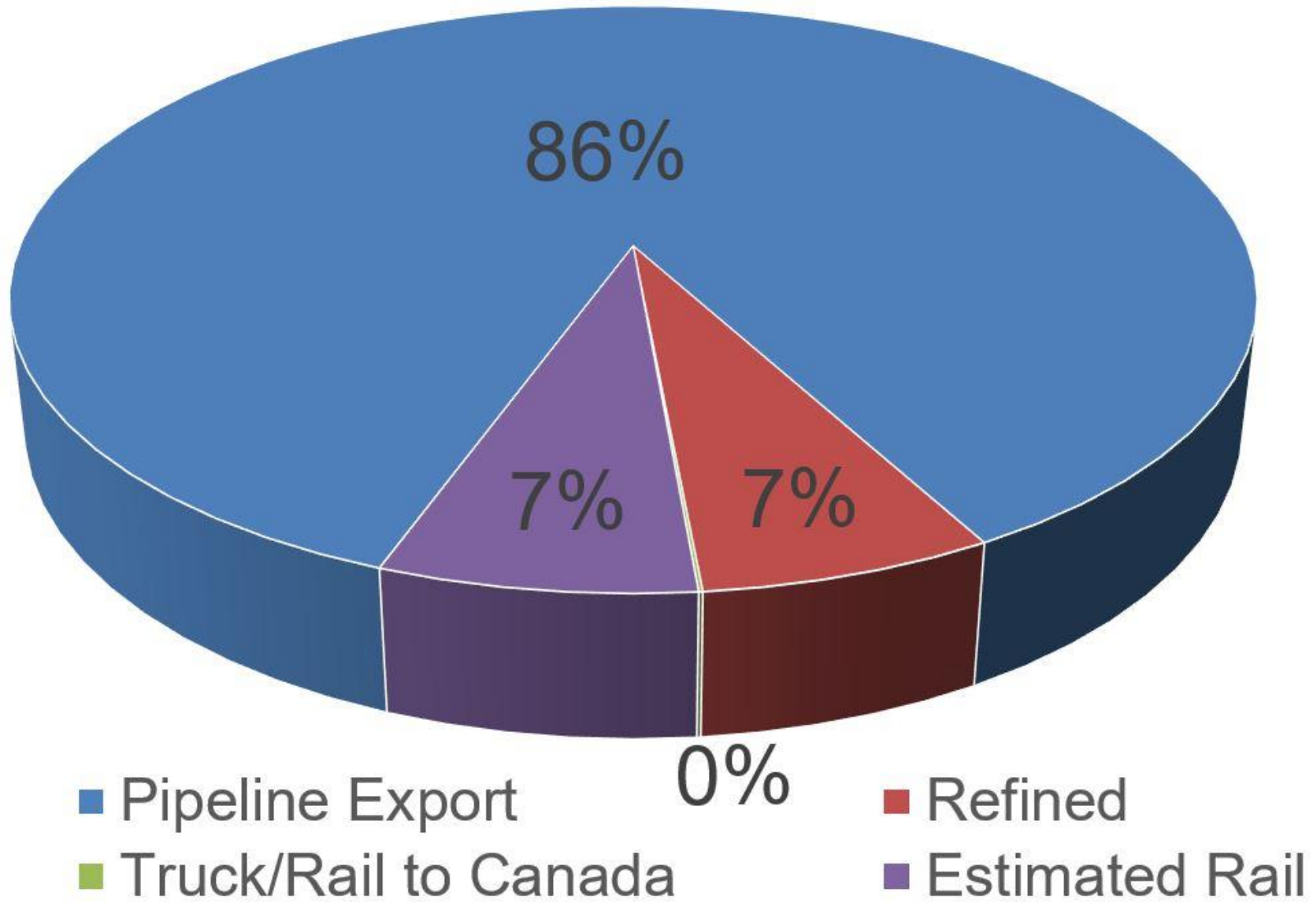
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,088,613	47,599	2,709	1,138,921
February	1,089,091	46,945	2,742	1,138,778
March	1,122,640	49,451	2,709	1,174,800
April	905,357	49,804	2,338	957,499
May	1,059,060	48,994	2,648	1,110,702
June	1,096,783		2,764	
July	1,069,517			
August				
September				
October			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



North Dakota Monthly Production Change



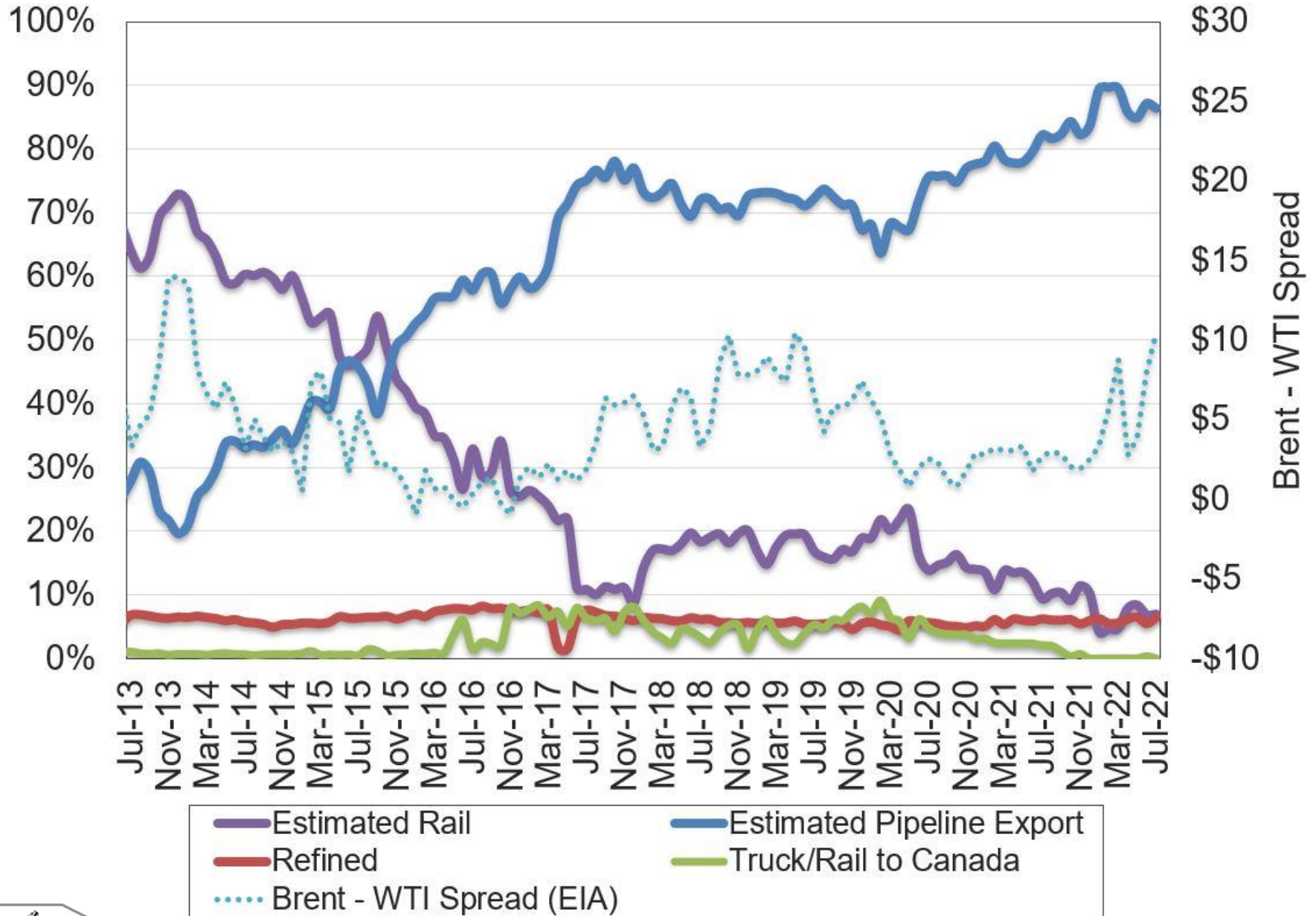
Estimated Williston Basin Oil Transportation



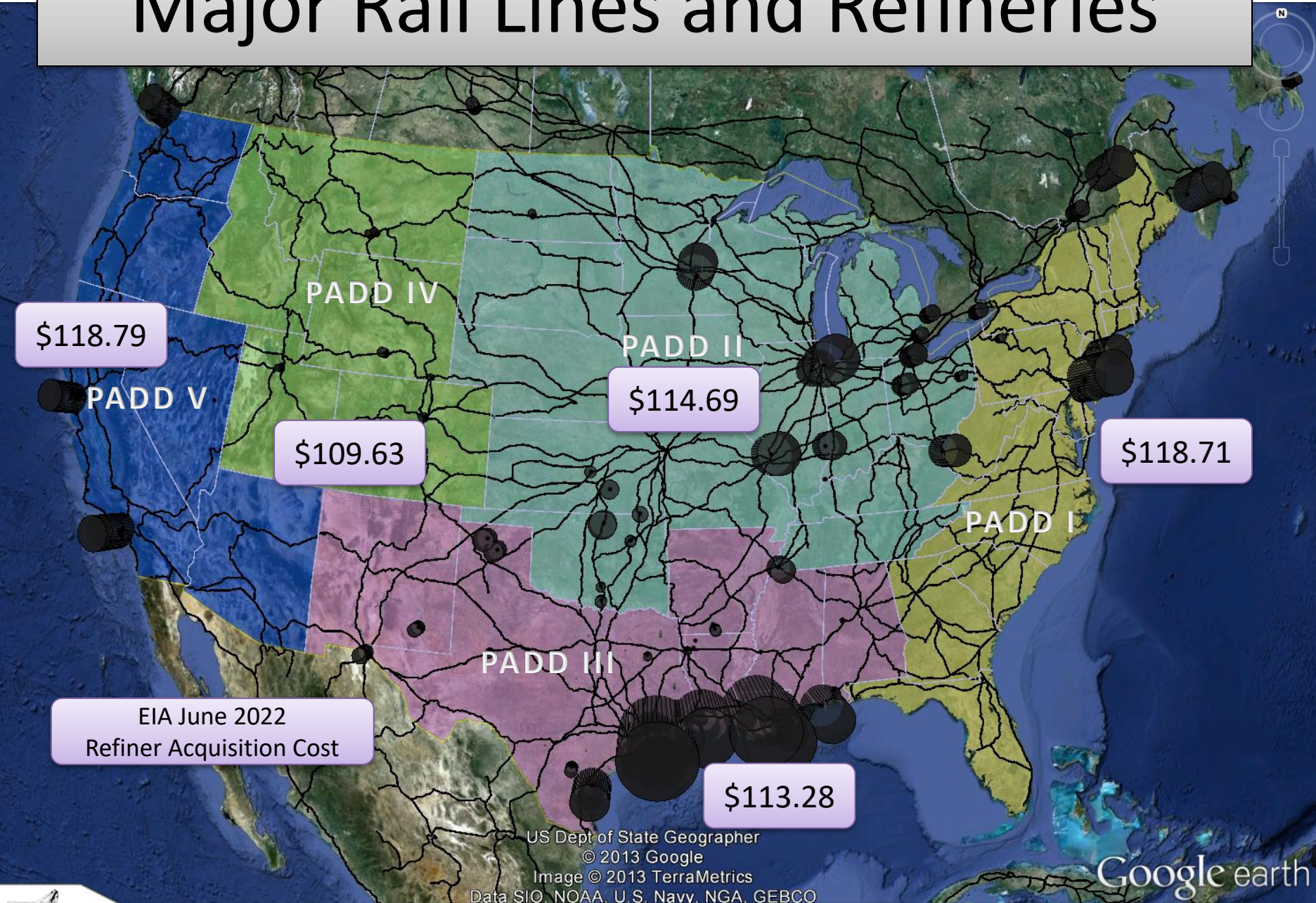
July 2022 ⁴



Estimated Williston Basin Oil Transportation



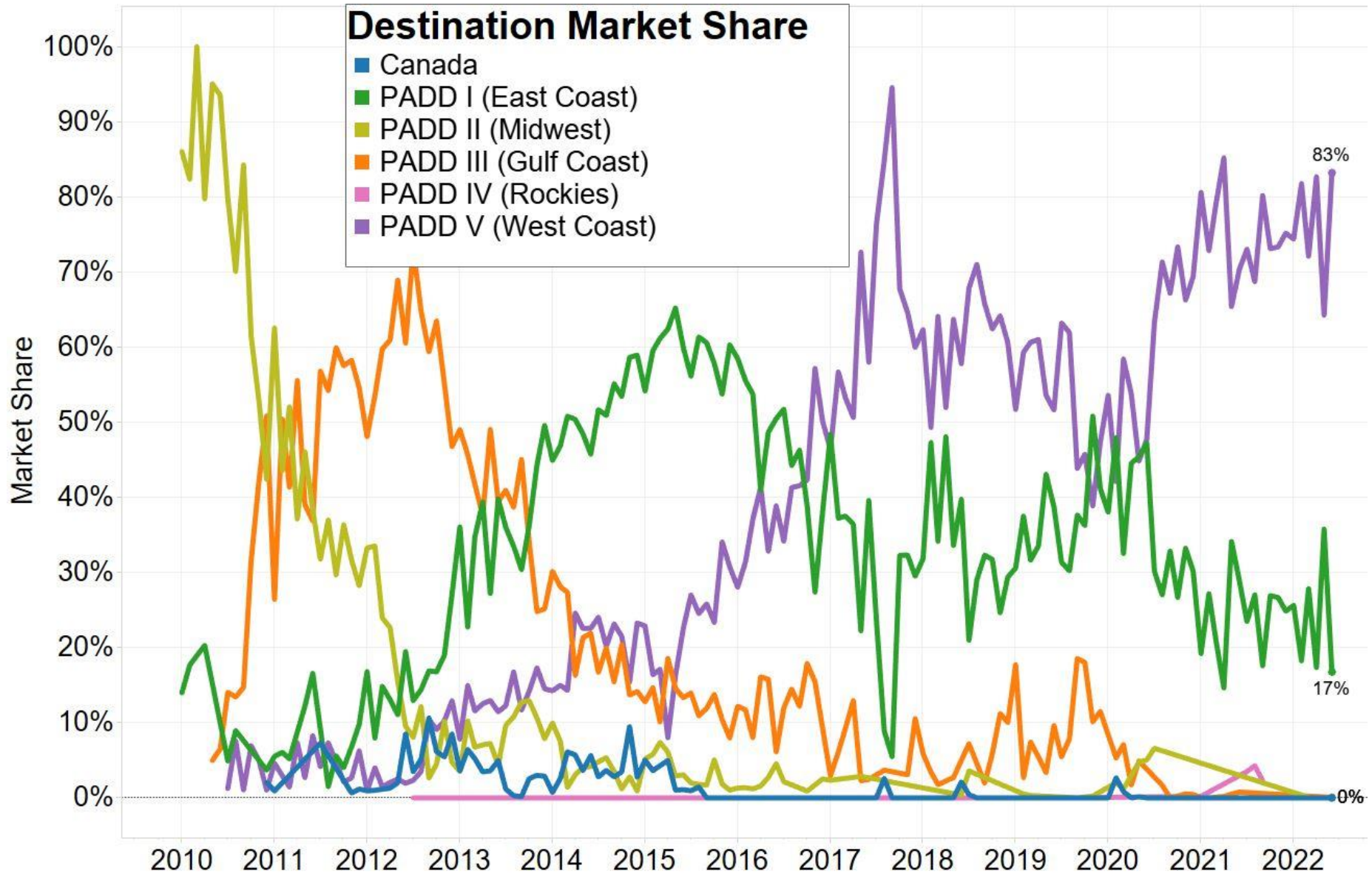
Major Rail Lines and Refineries



Estimated ND Rail Export Volumes



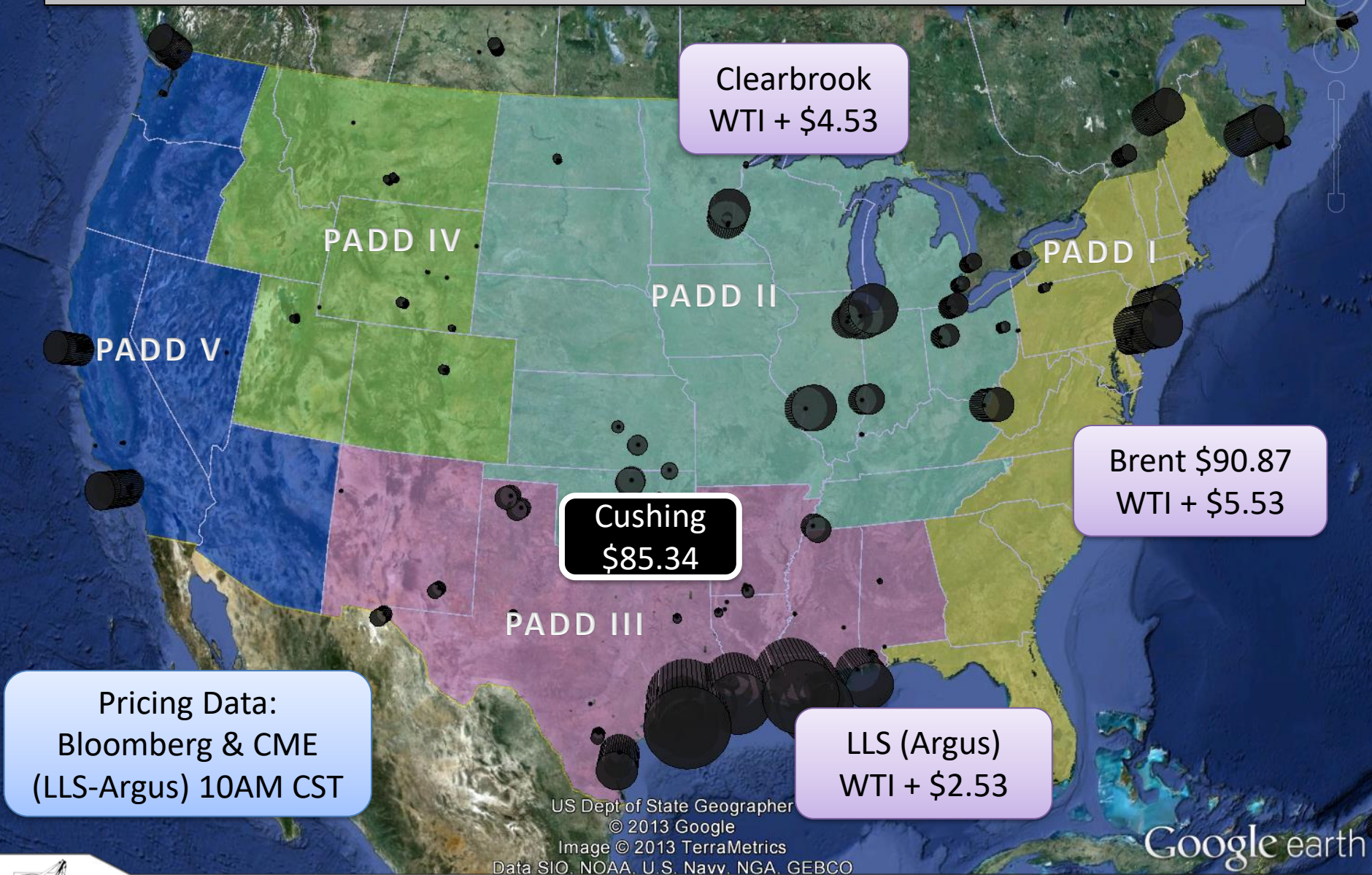
Rail Destinations Market Share (June 2022)



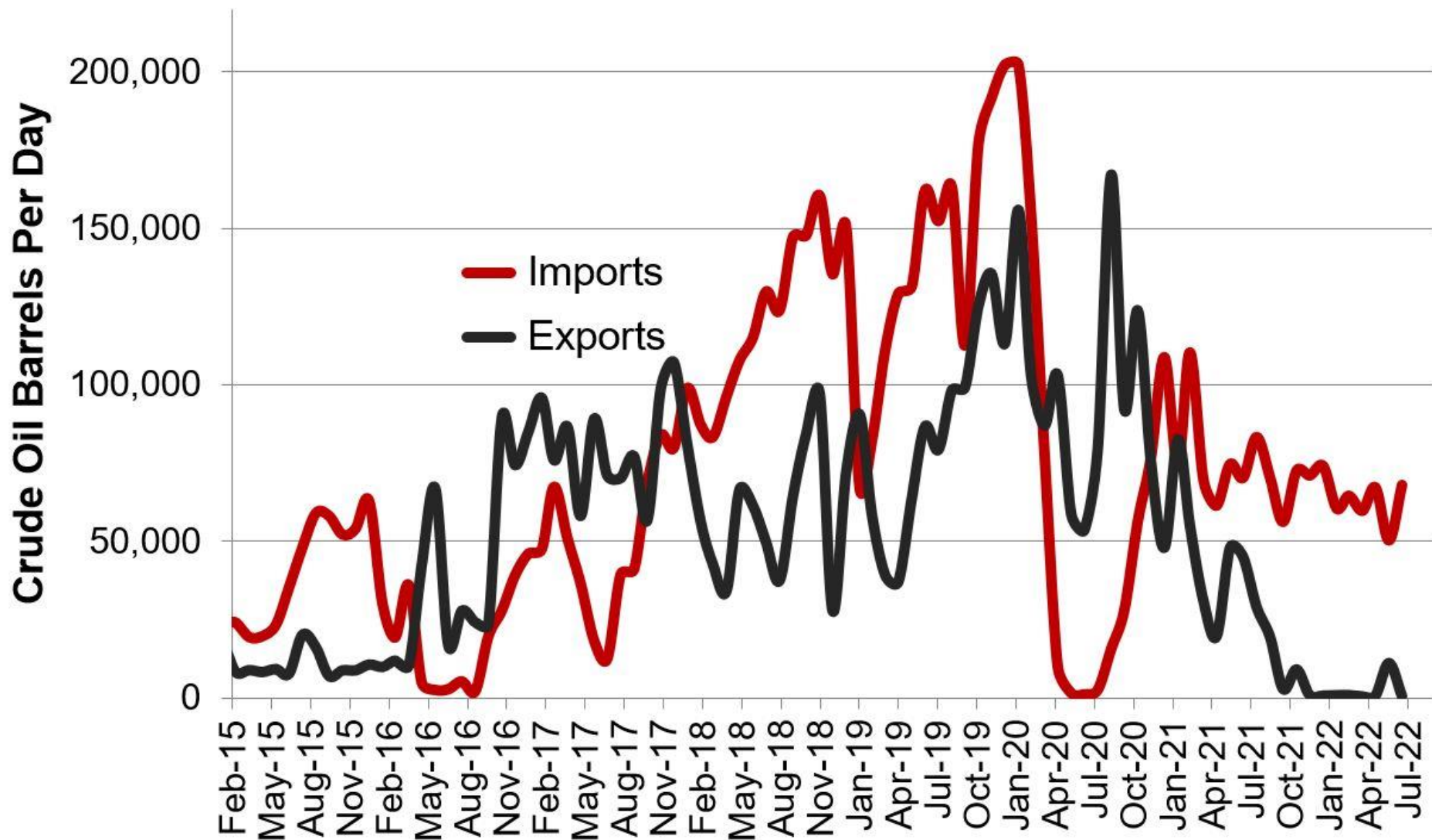
Data for Rail Destination Market Share Provided by the US Energy Information Administration



Crude Oil Prices – Sep. 15, 2022



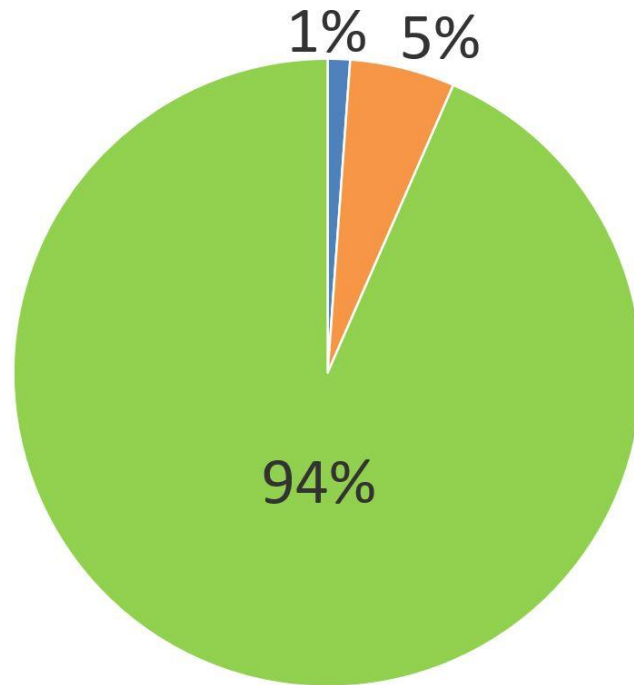
Williston Basin Truck/Rail Imports and Exports with Canada



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.

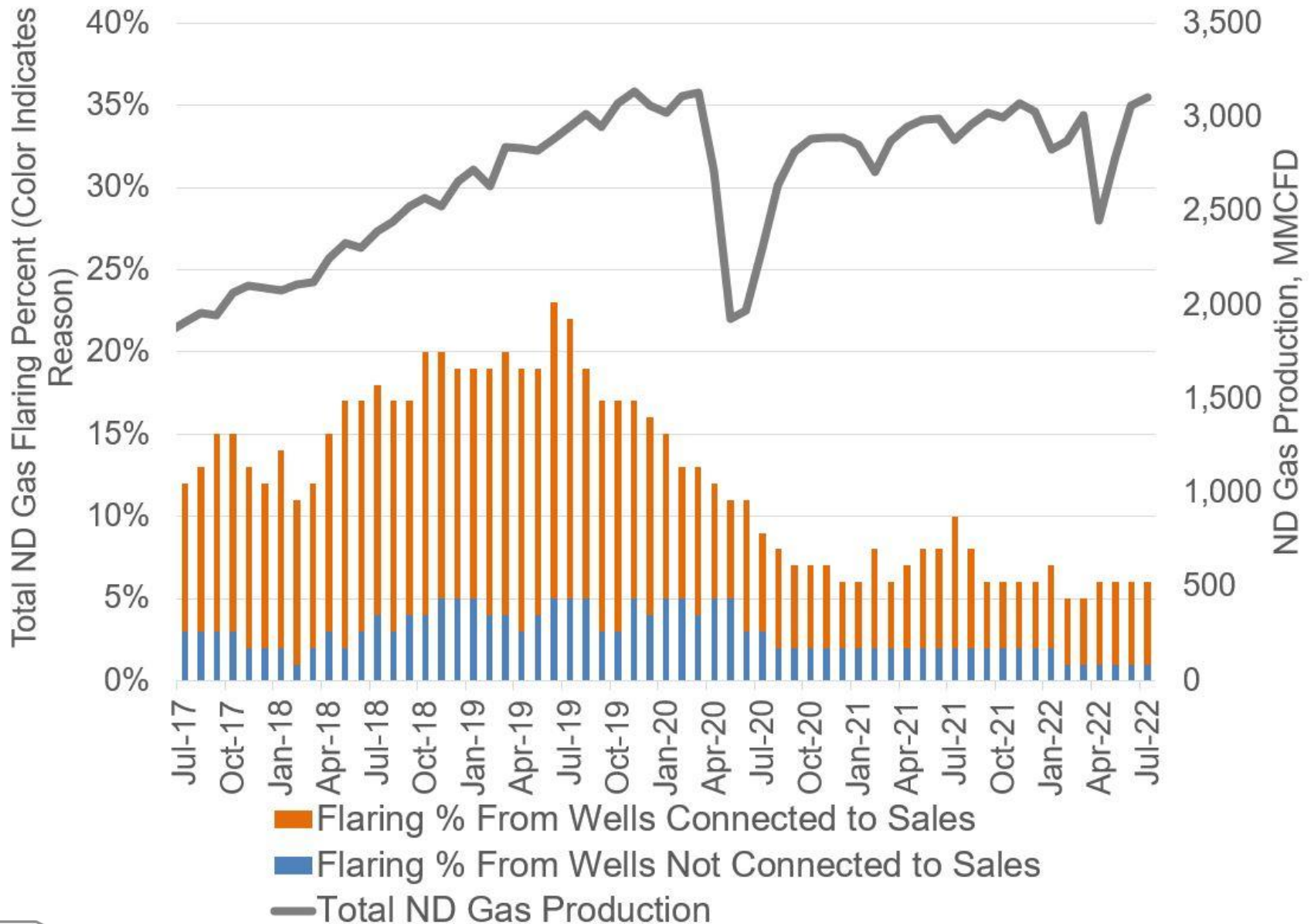
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

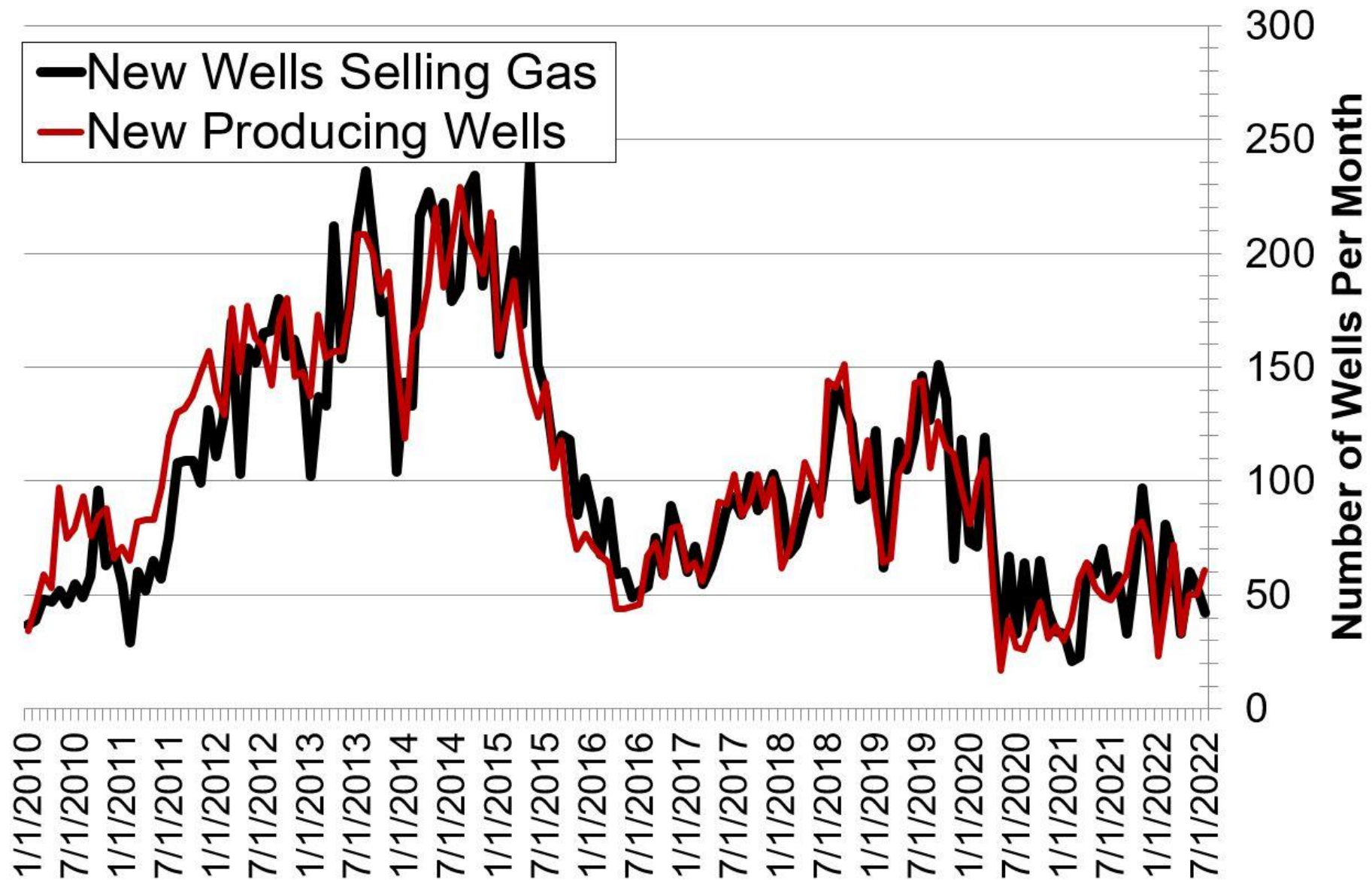
July 2022 Data – Non-Confidential Wells



Solving the Flaring Challenge

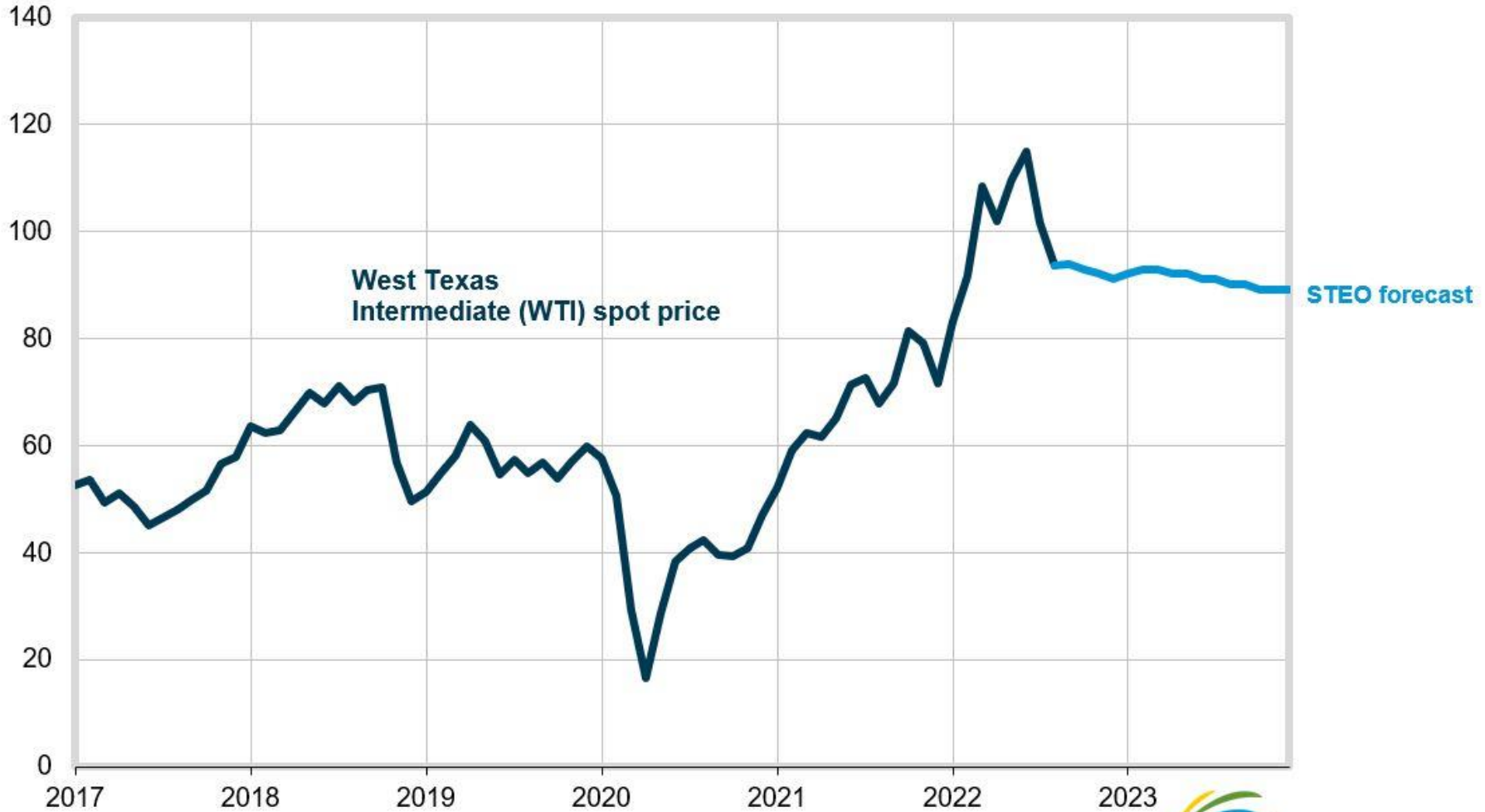


Solving the Flaring Challenge



EIA Oil Price Forecast: Sep. 2022

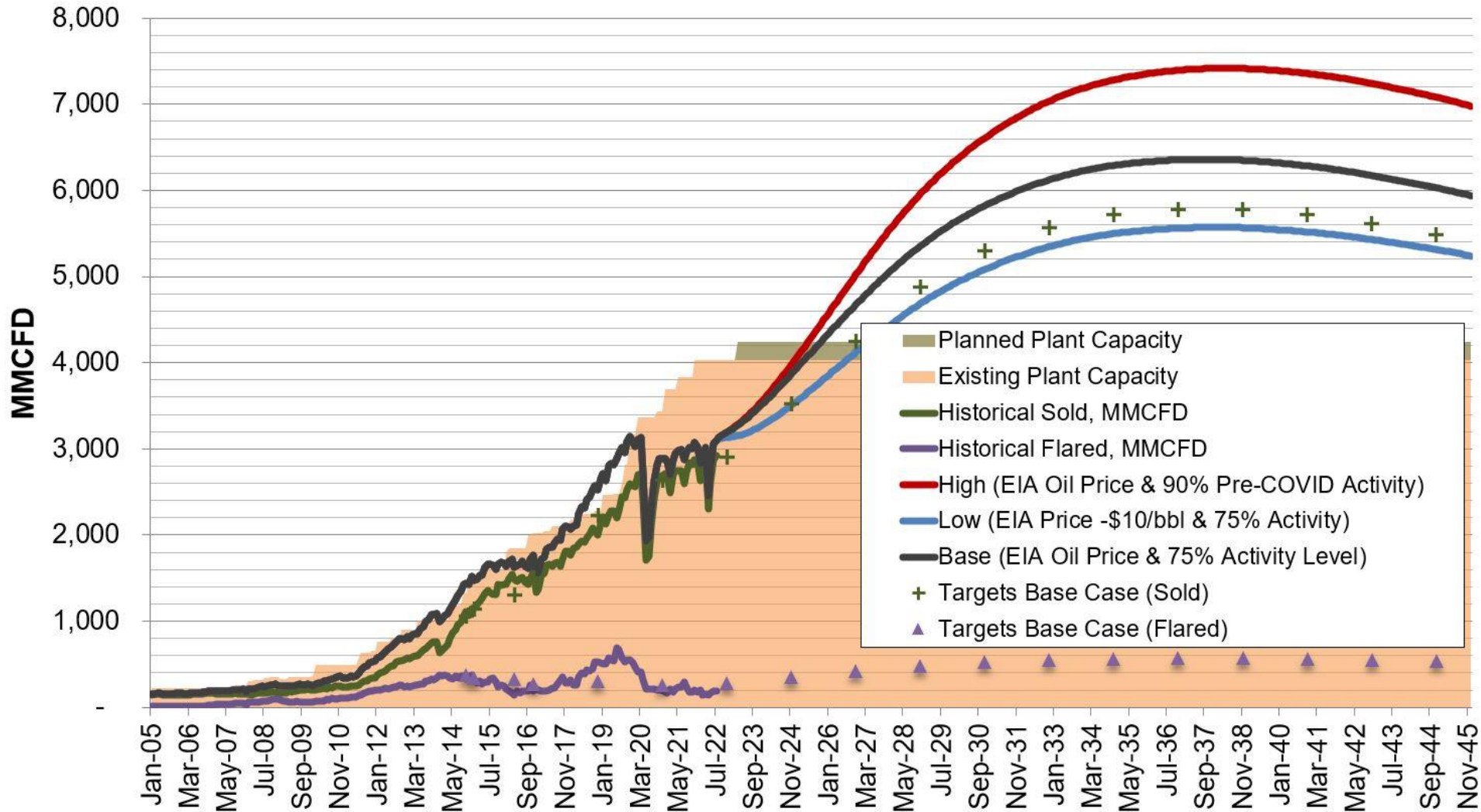
West Texas Intermediate (WTI) crude oil price
dollars per barrel



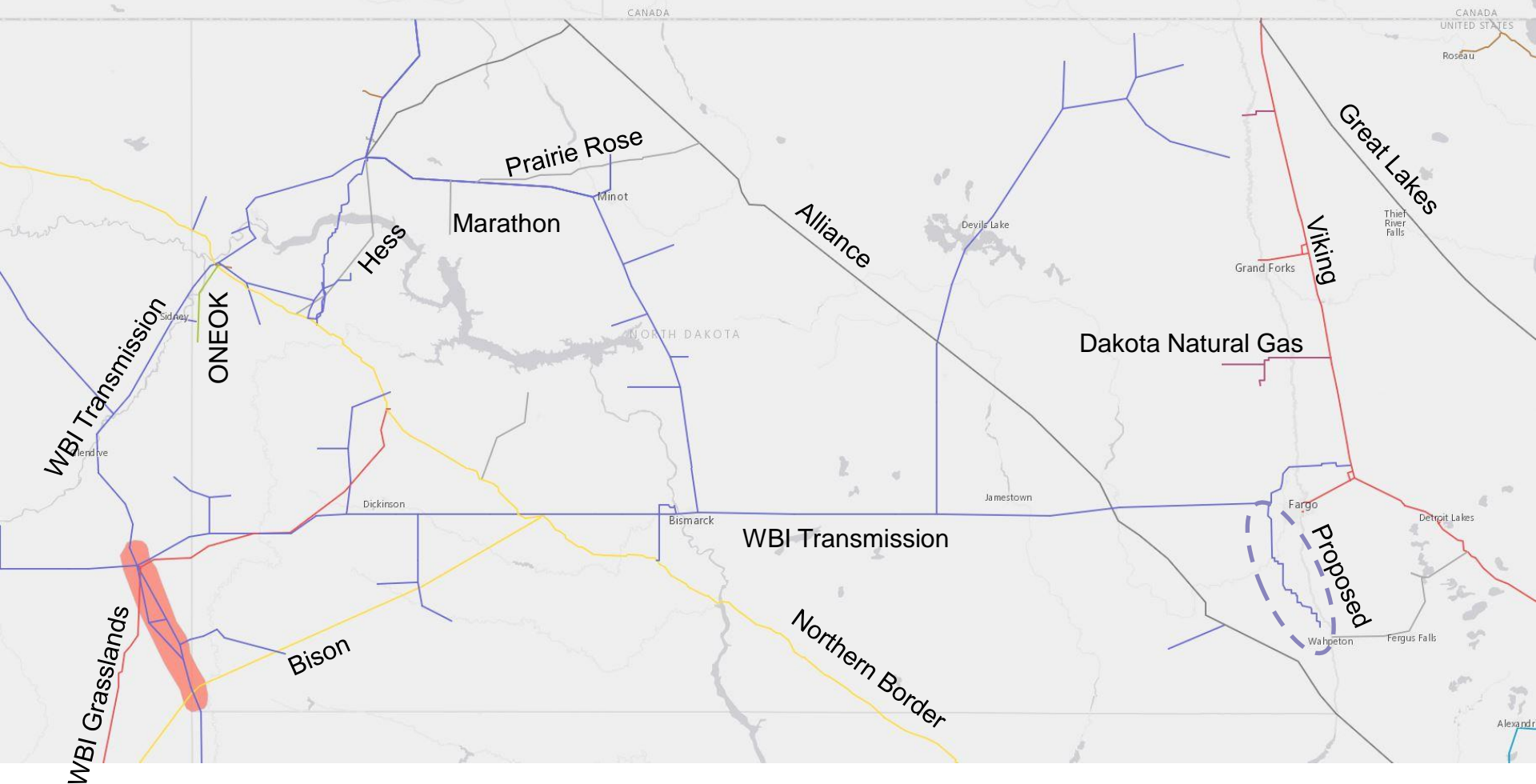
Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, September 2022



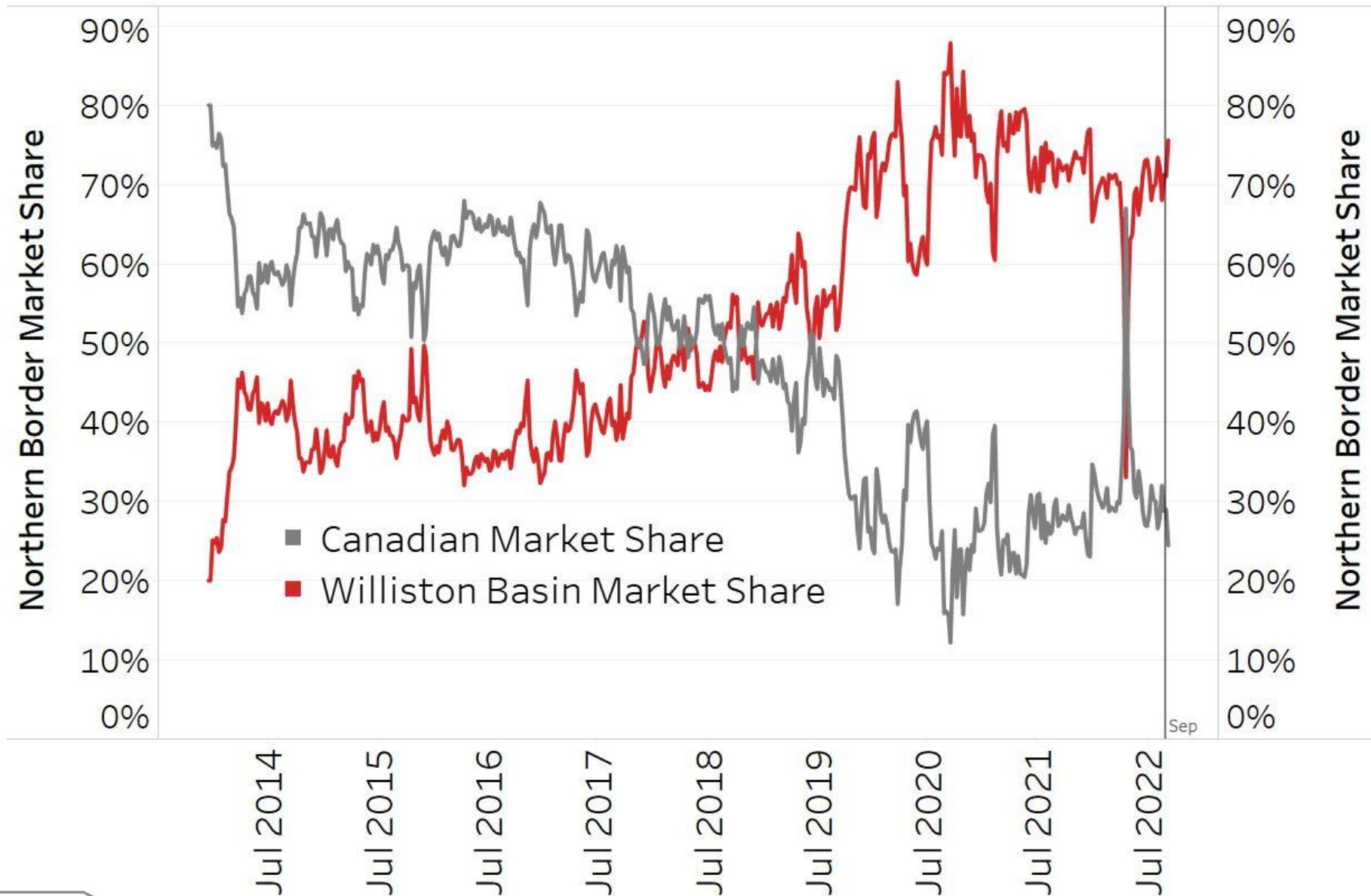
Solving the Flaring Challenge



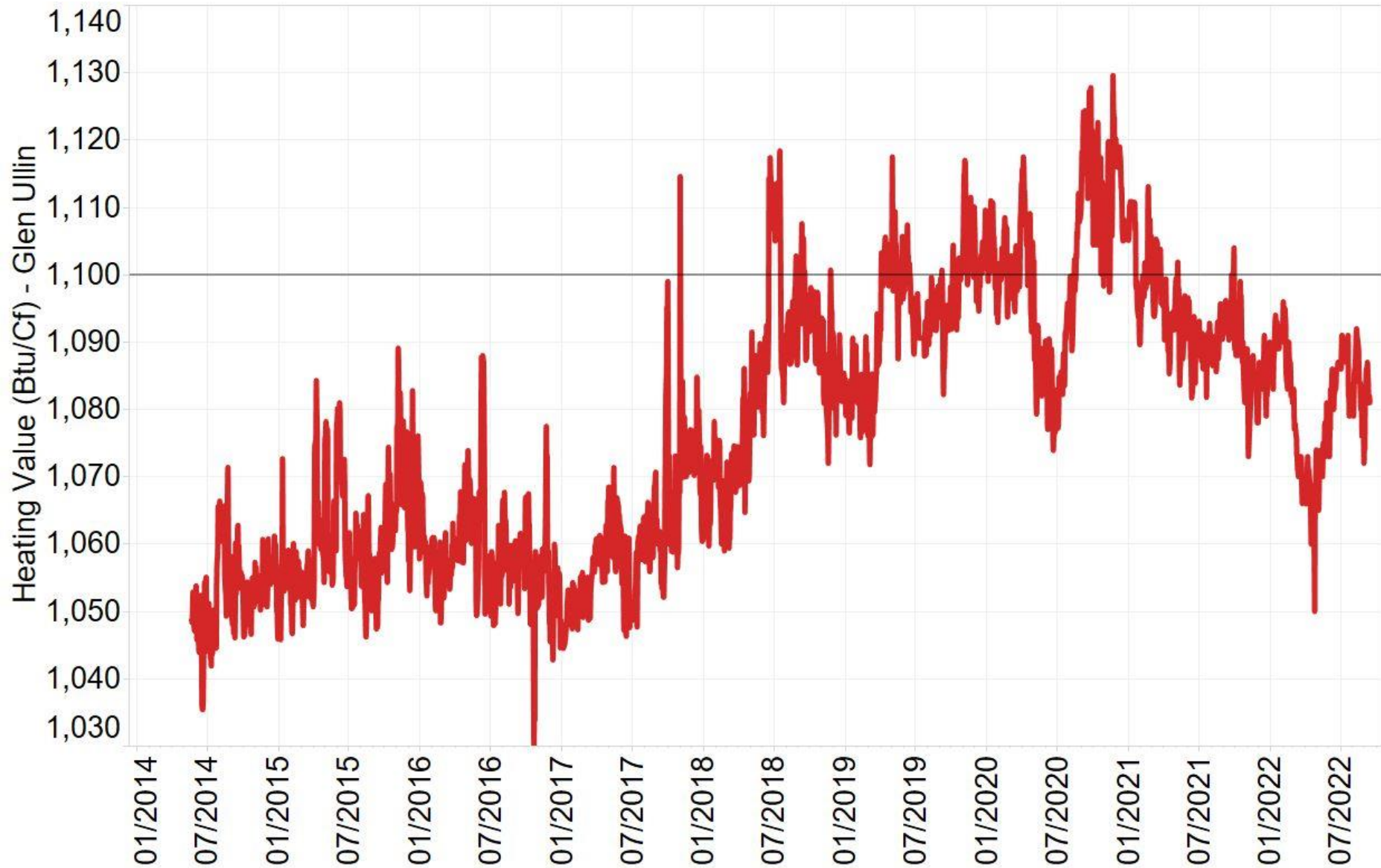
Bakken Natural Gas Infrastructure



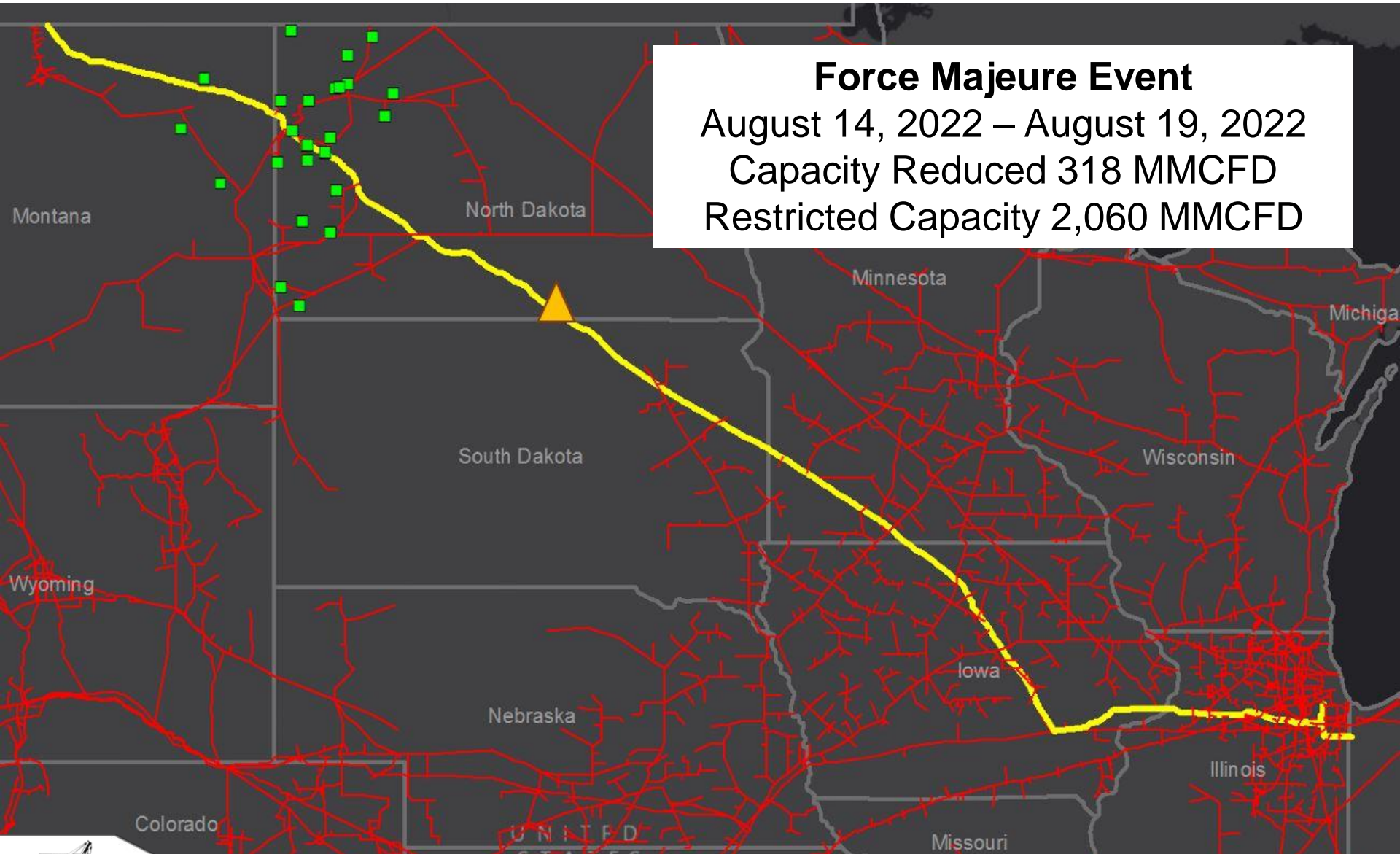
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Zeeland, ND Compressor Outage



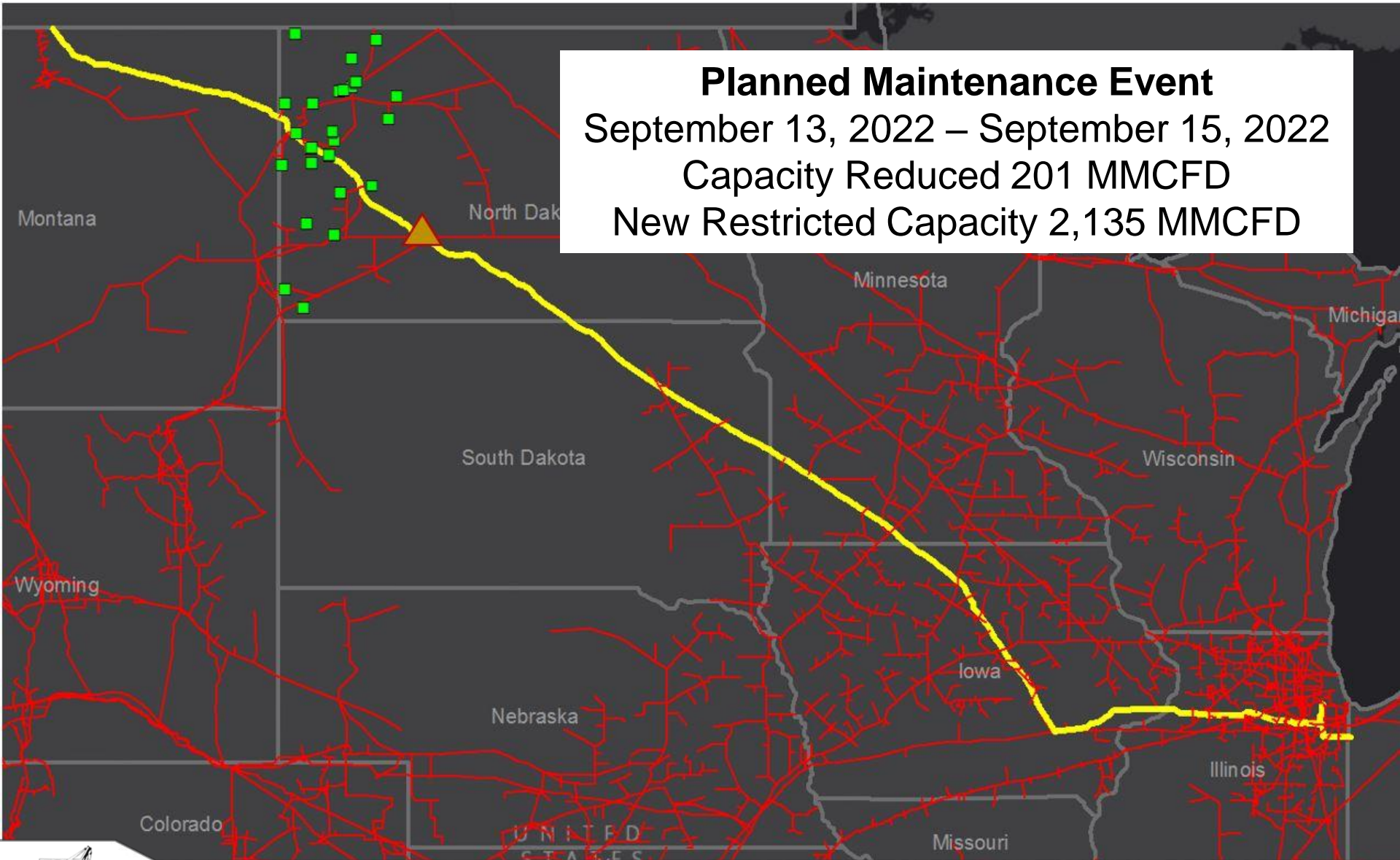
Glen Ullin, ND Compressor

Planned Maintenance Event

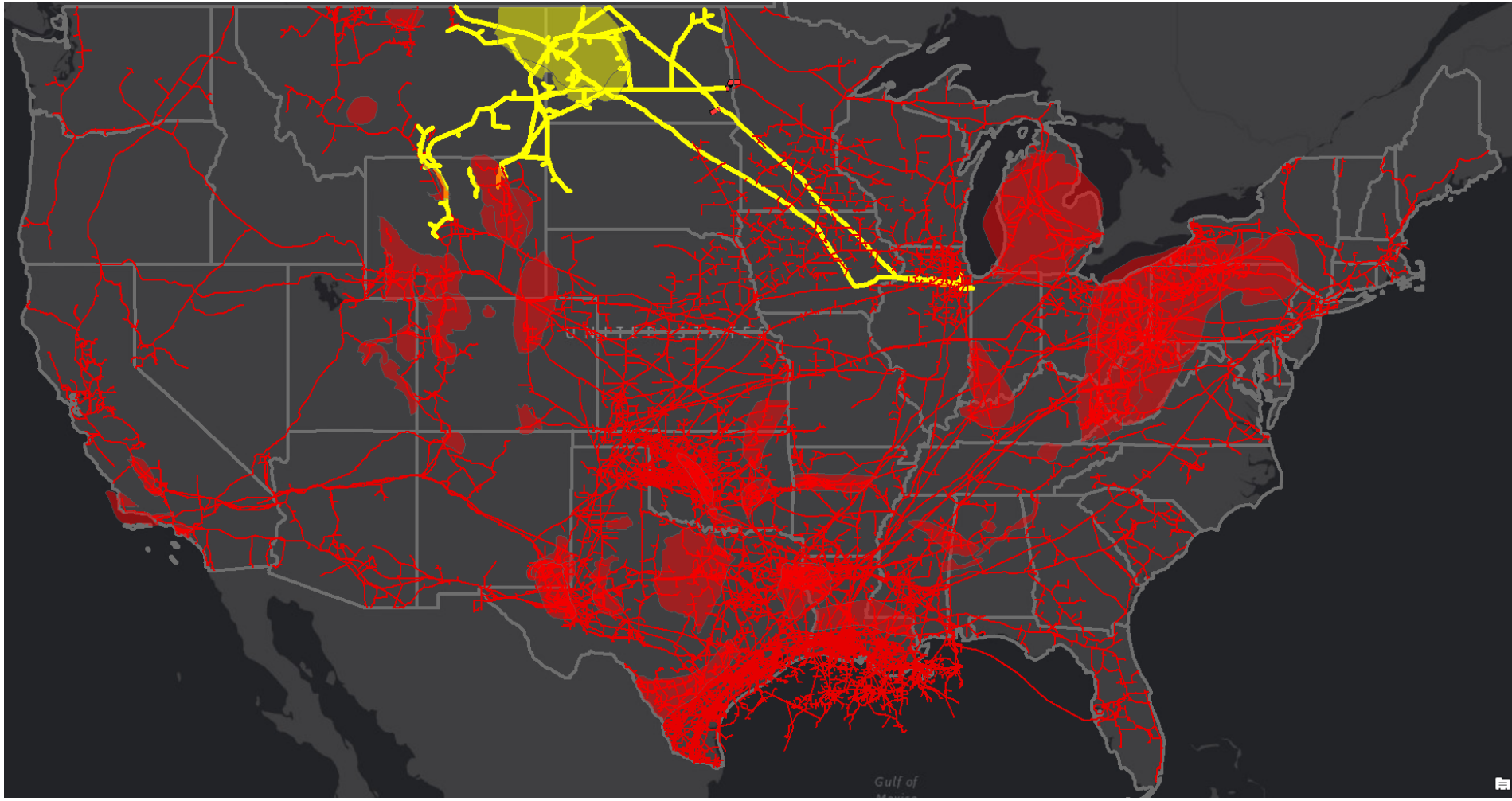
September 13, 2022 – September 15, 2022

Capacity Reduced 201 MMCFD

New Restricted Capacity 2,135 MMCFD



Bakken Natural Gas Infrastructure



Contact Information

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