



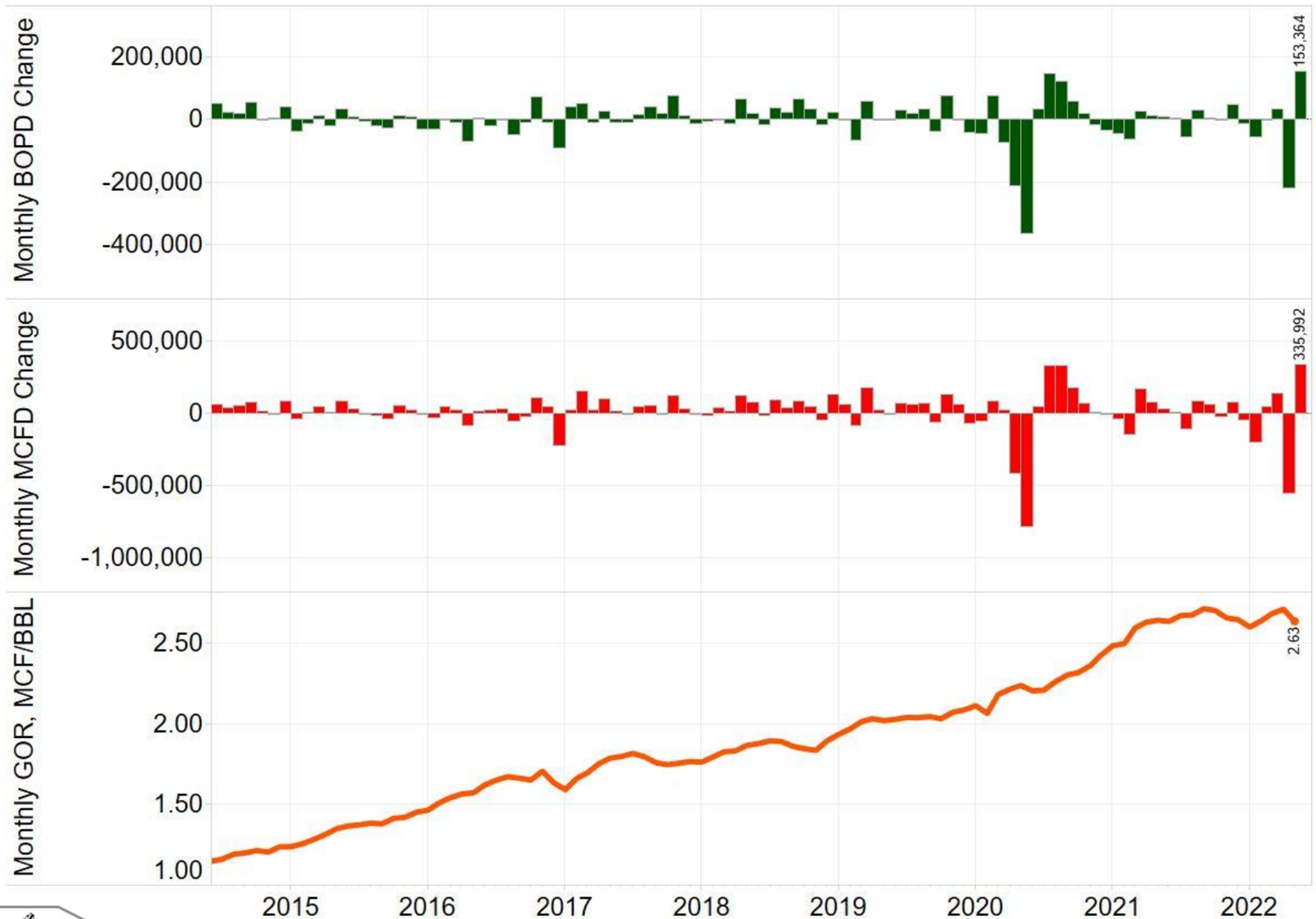
July 2022 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
July 19, 2022

US Williston Basin Oil Production - 2022

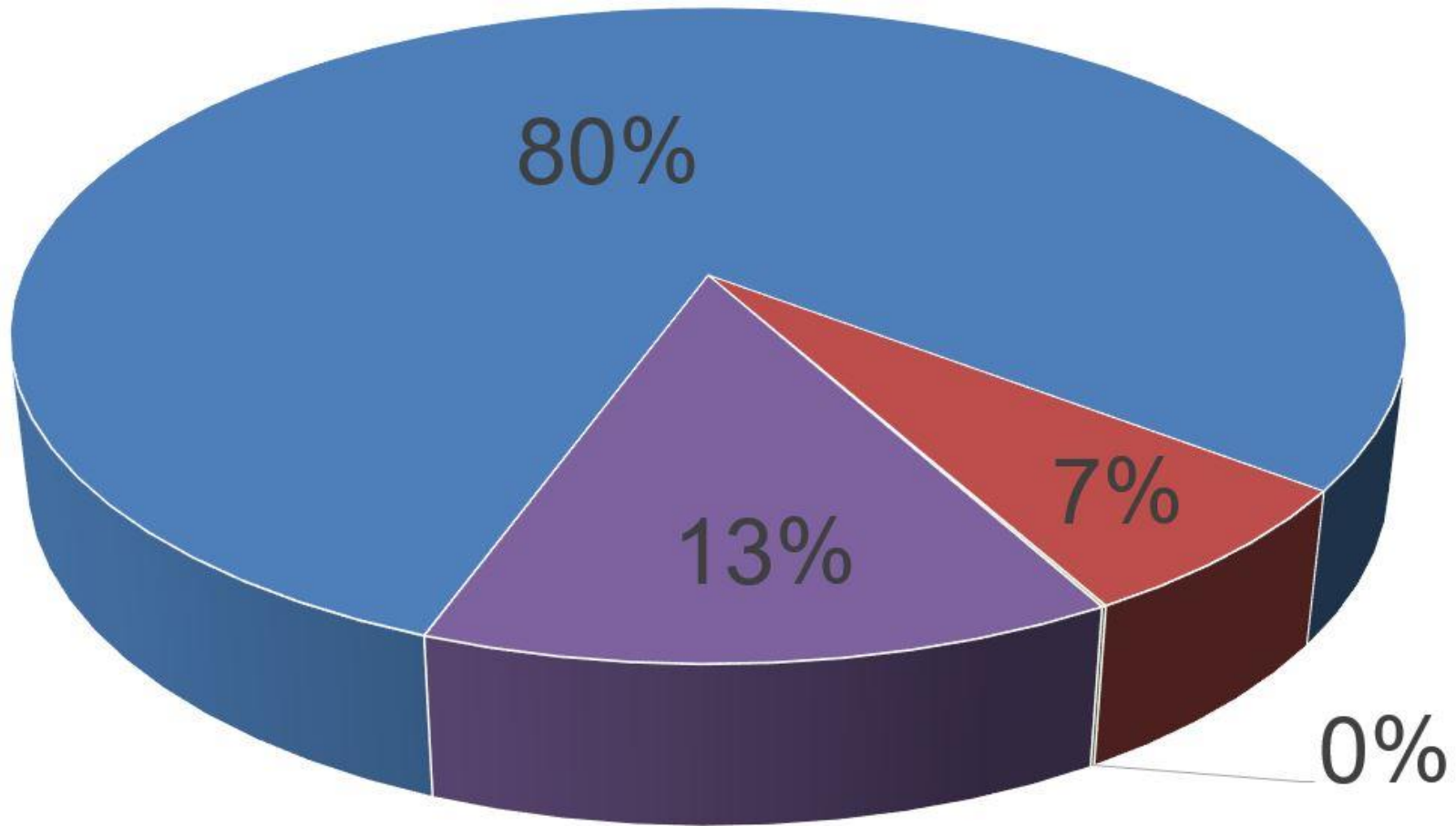
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,088,613	47,671	2,709	1,138,993
February	1,089,091	46,948	2,742	1,138,782
March	1,122,640	45,573	2,709	1,170,922
April	905,357		2,338	
May	1,058,721			
June				
July				
August				
September				
October				
November				
December				



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

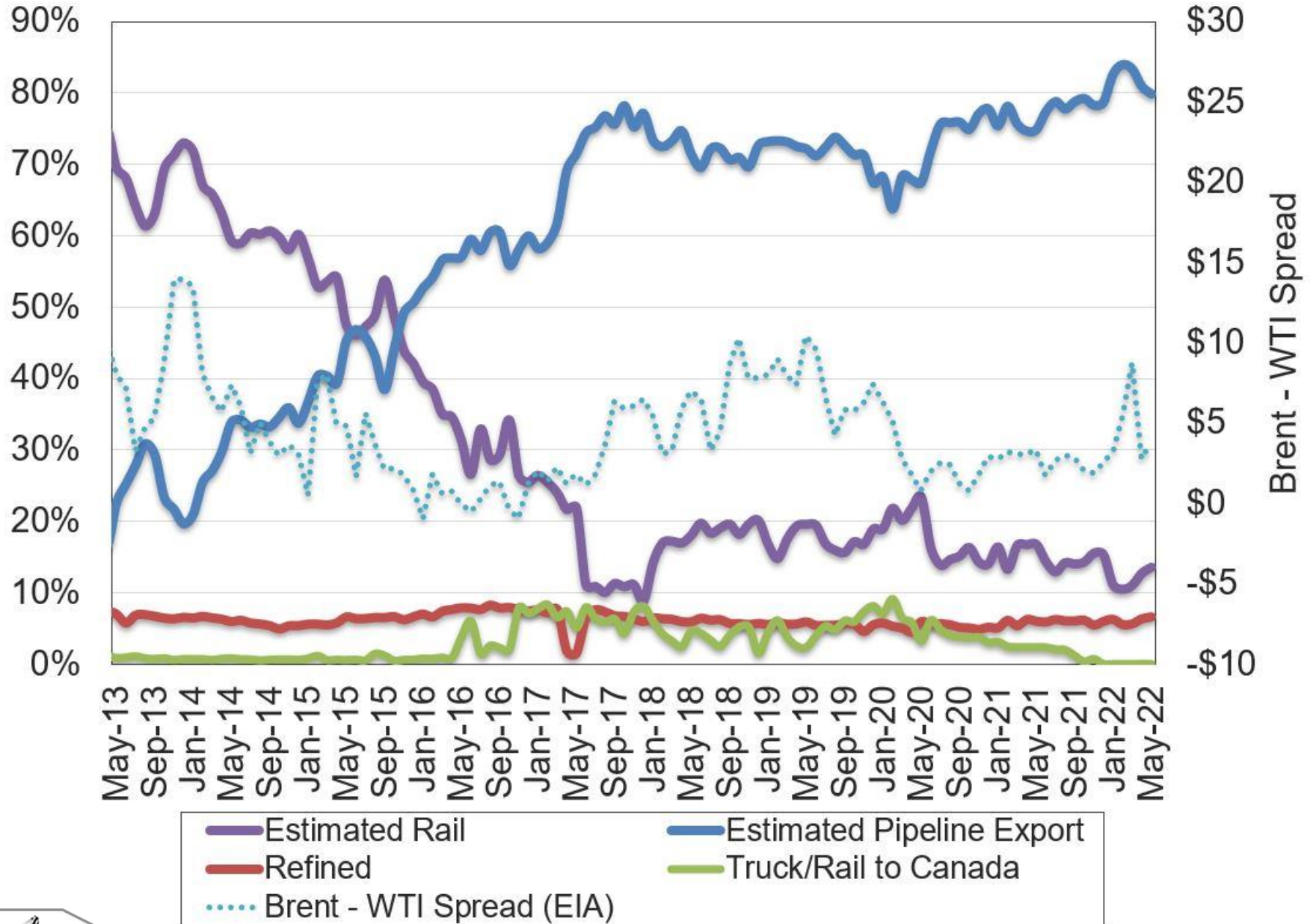
■ Refined

■ Estimated Rail

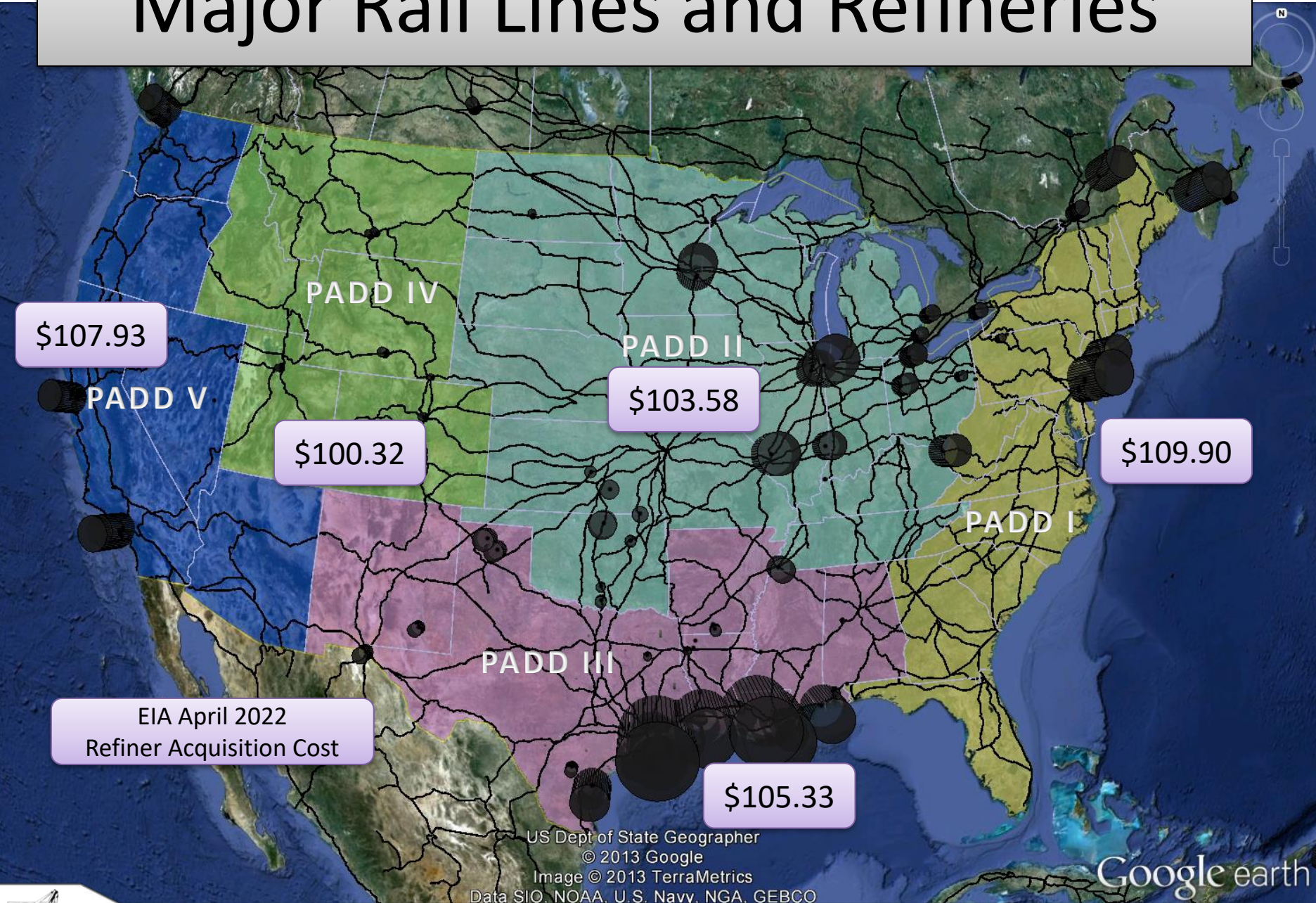
May 2022 ⁴



Estimated Williston Basin Oil Transportation



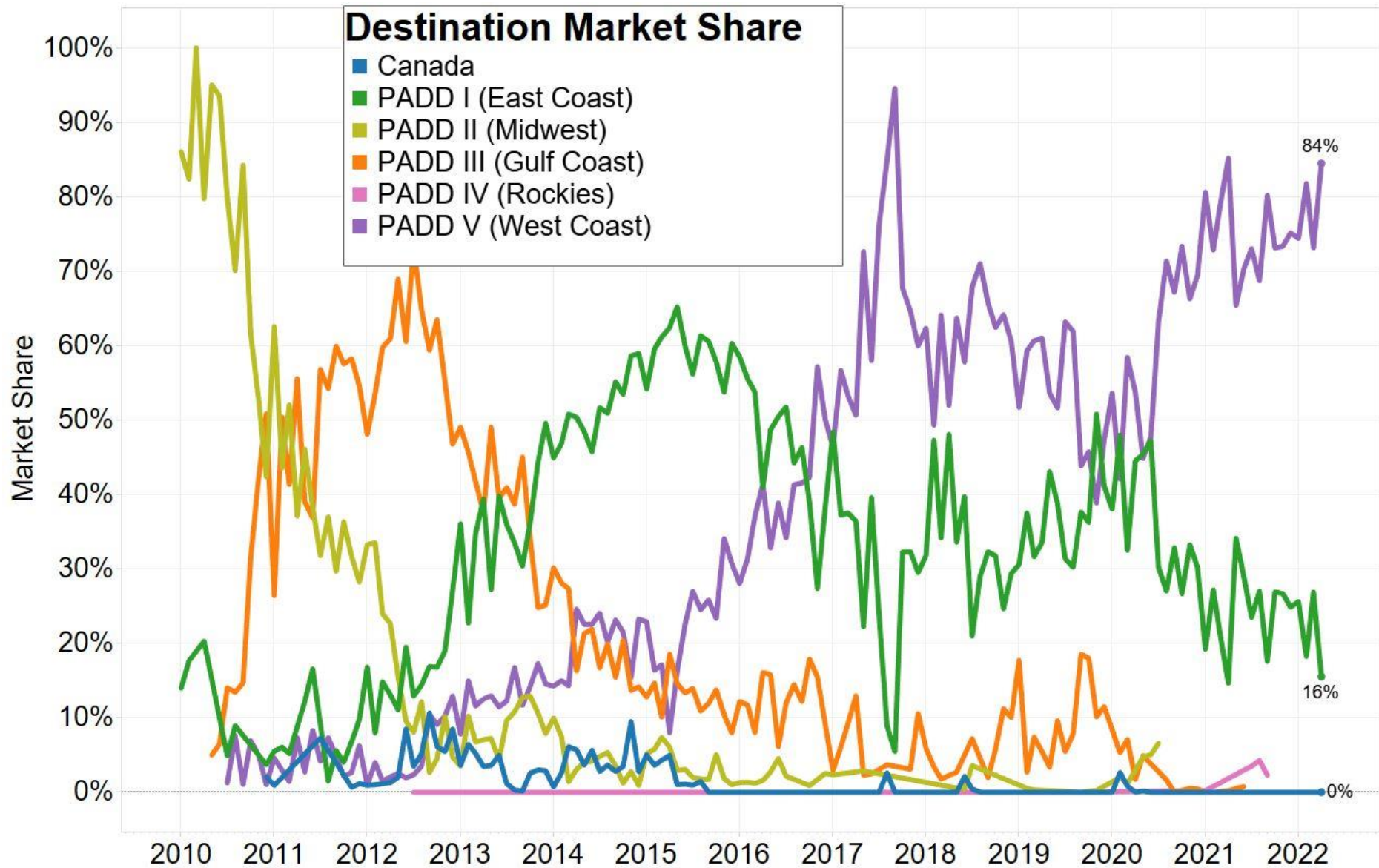
Major Rail Lines and Refineries



Estimated ND Rail Export Volumes



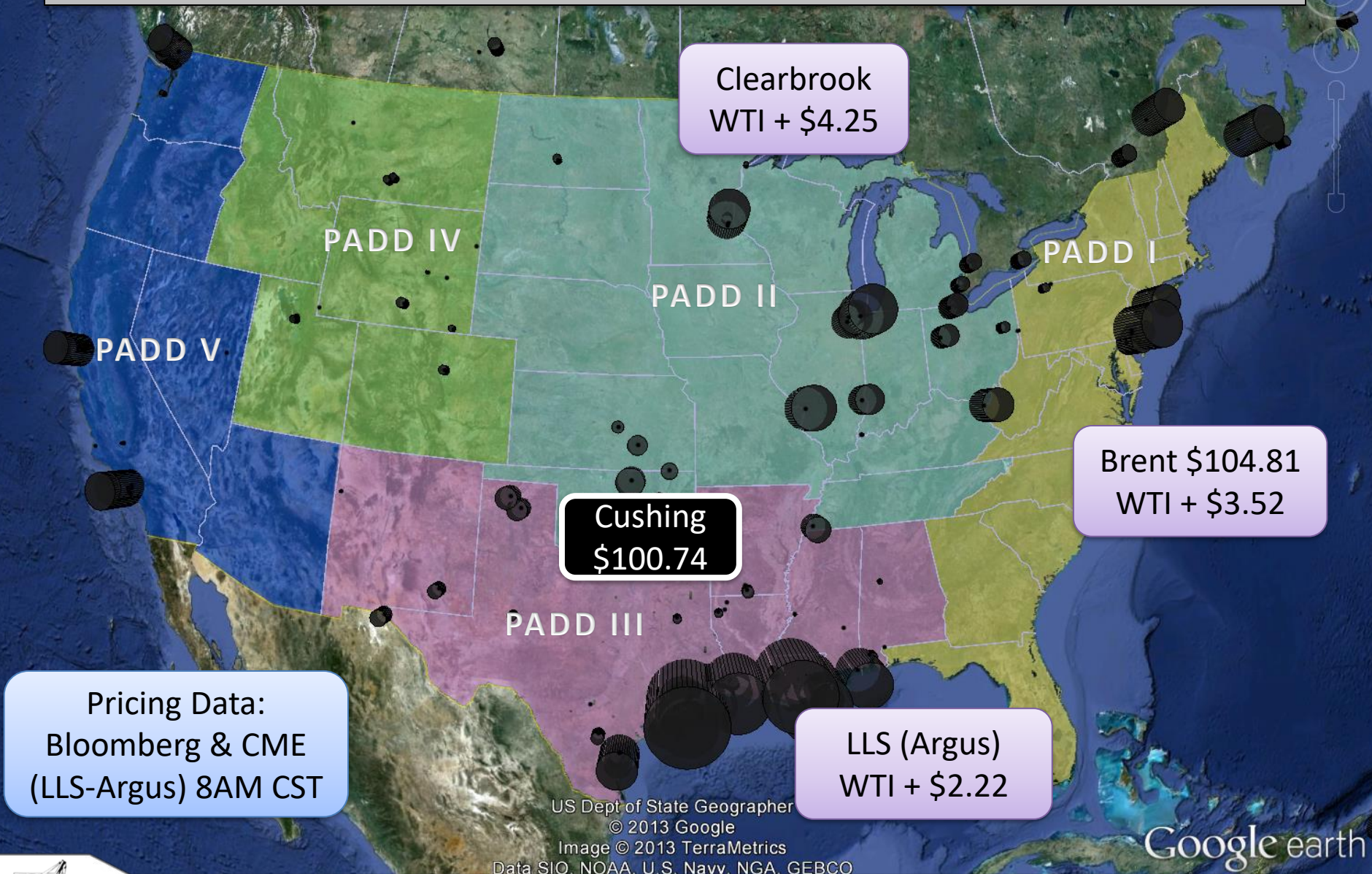
Rail Destinations Market Share (Apr. 2022)



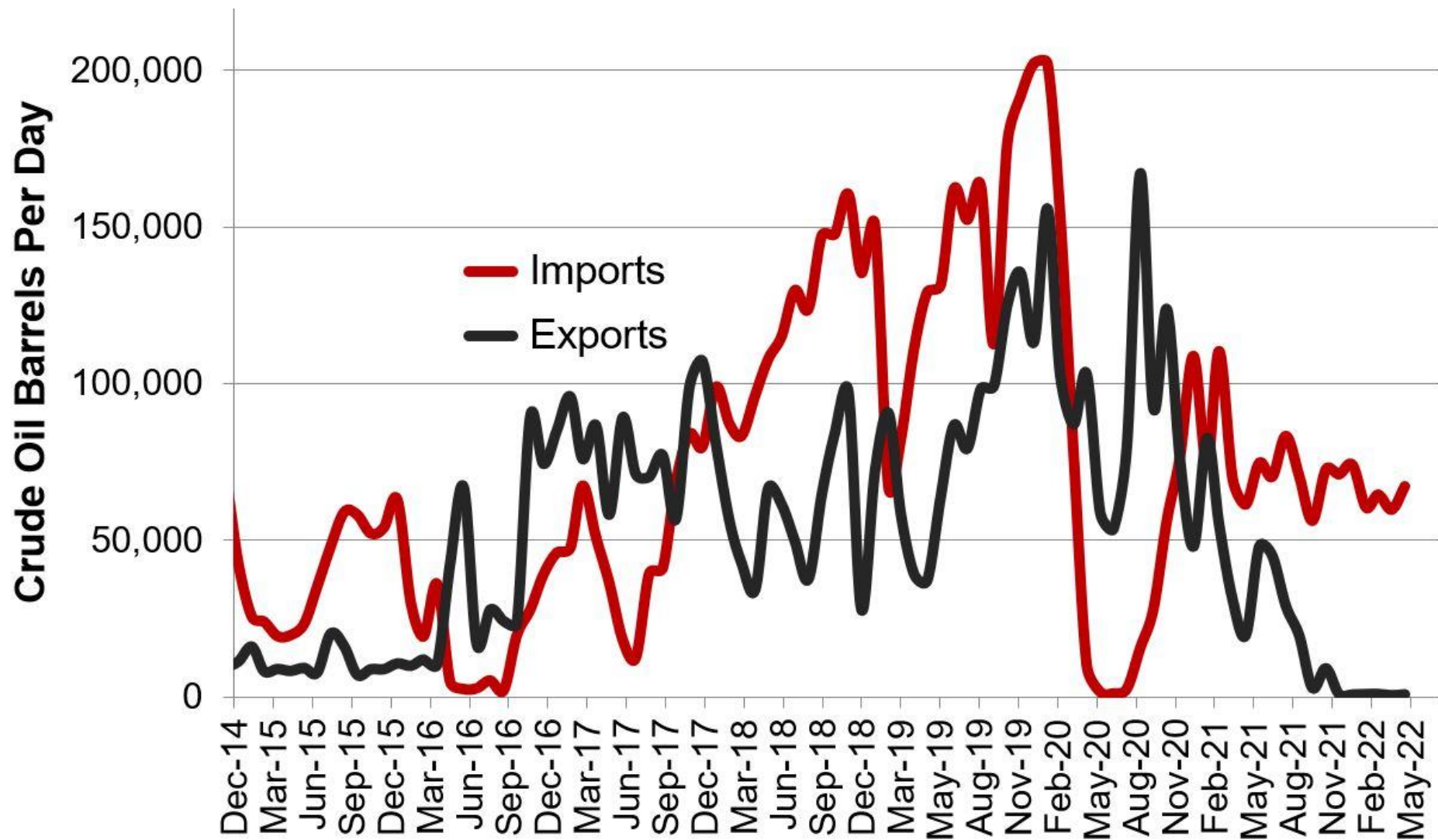
Data for Rail Destination Market Share Provided by the US Energy Information Administration



Crude Oil Prices – July 19, 2022



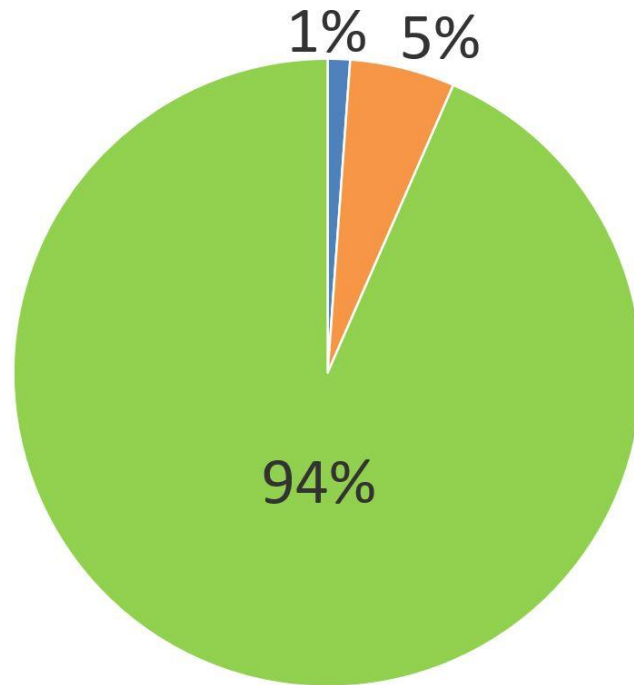
Williston Basin Truck/Rail Imports and Exports with Canada



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.

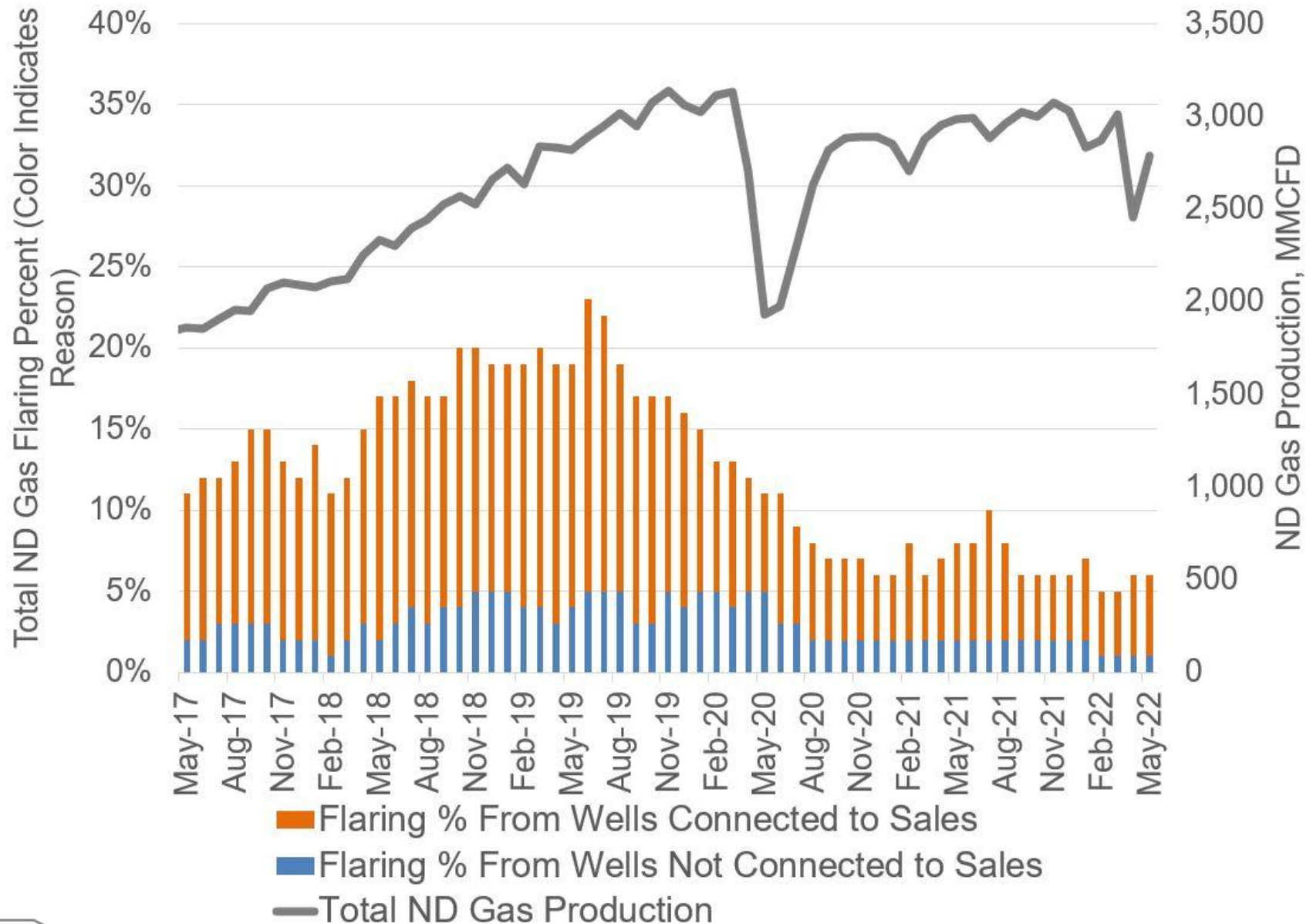
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

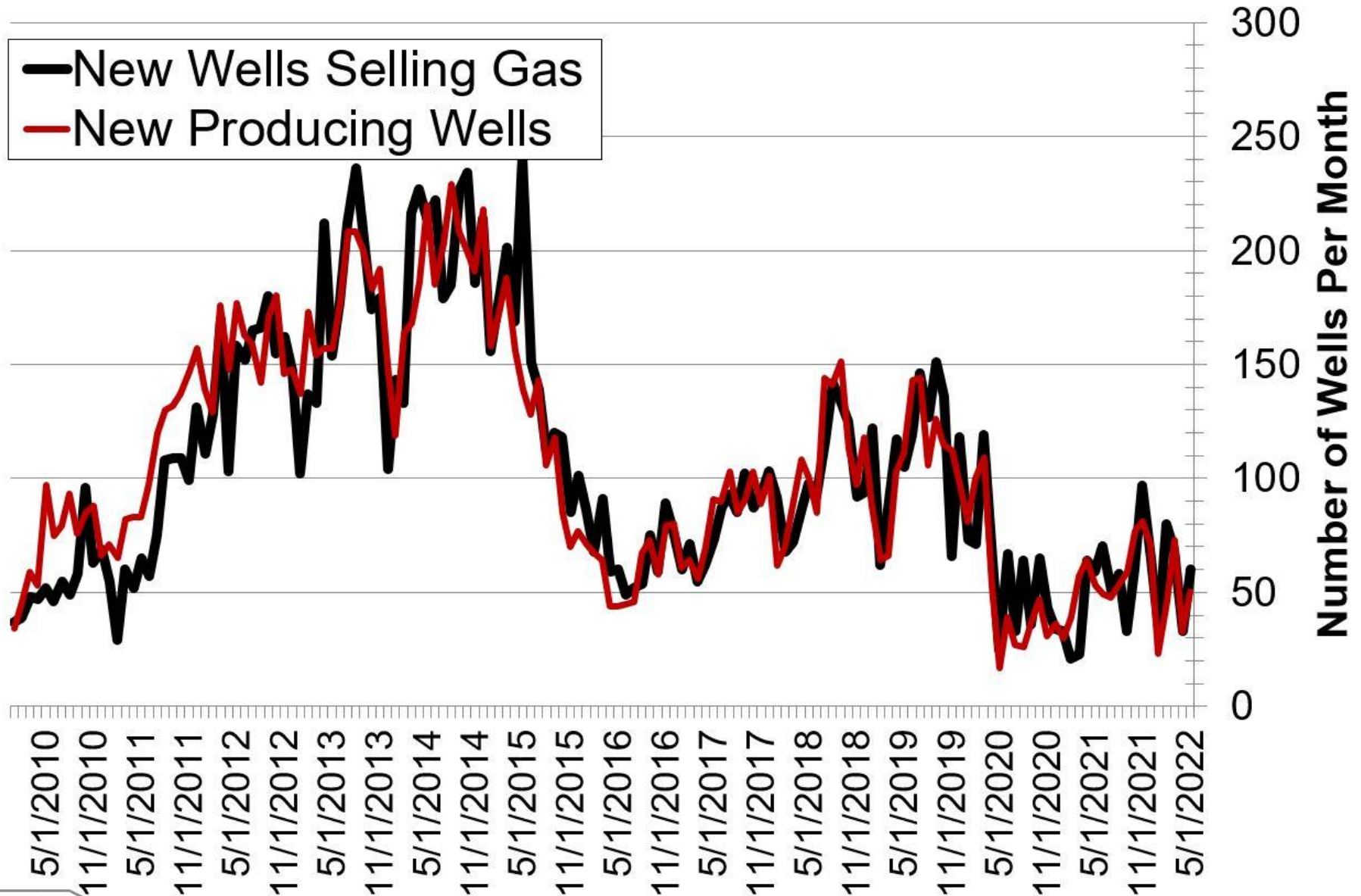
May 2022 Data – Non-Confidential Wells



Solving the Flaring Challenge

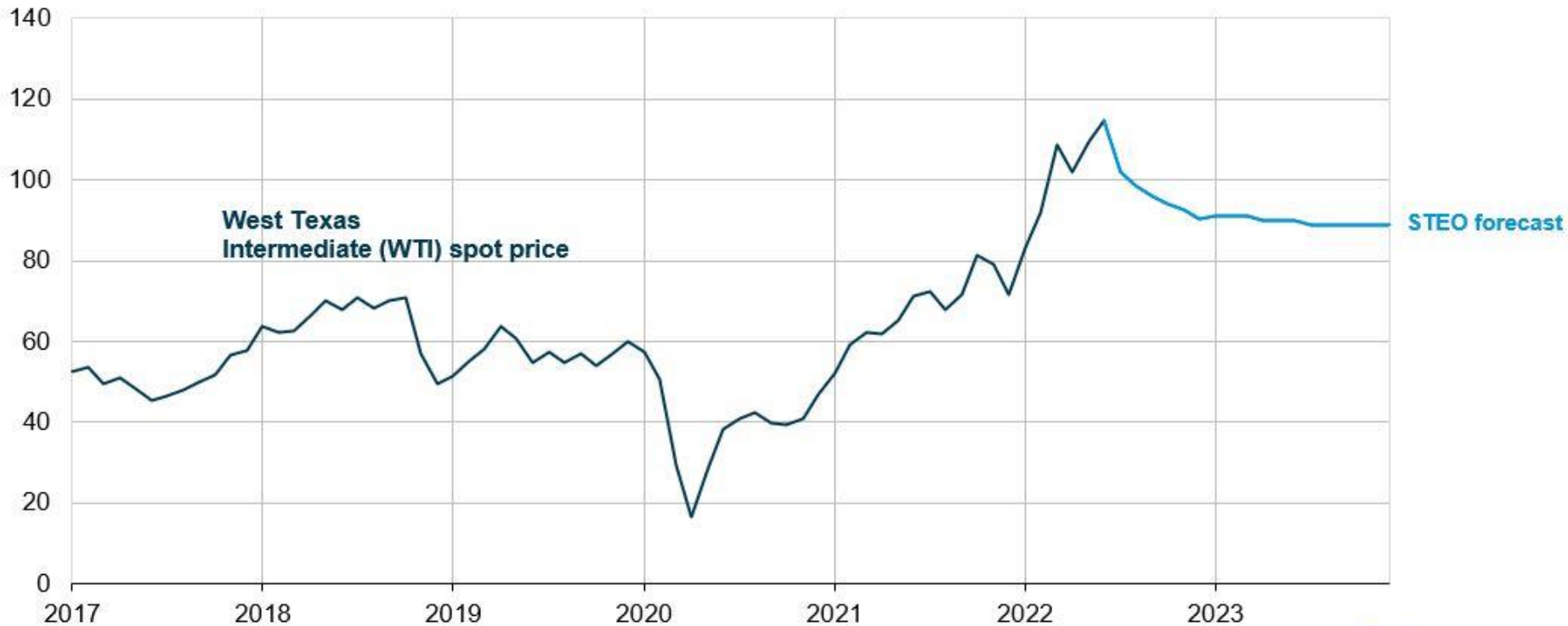


Solving the Flaring Challenge



EIA Oil Price Forecast: July 2022

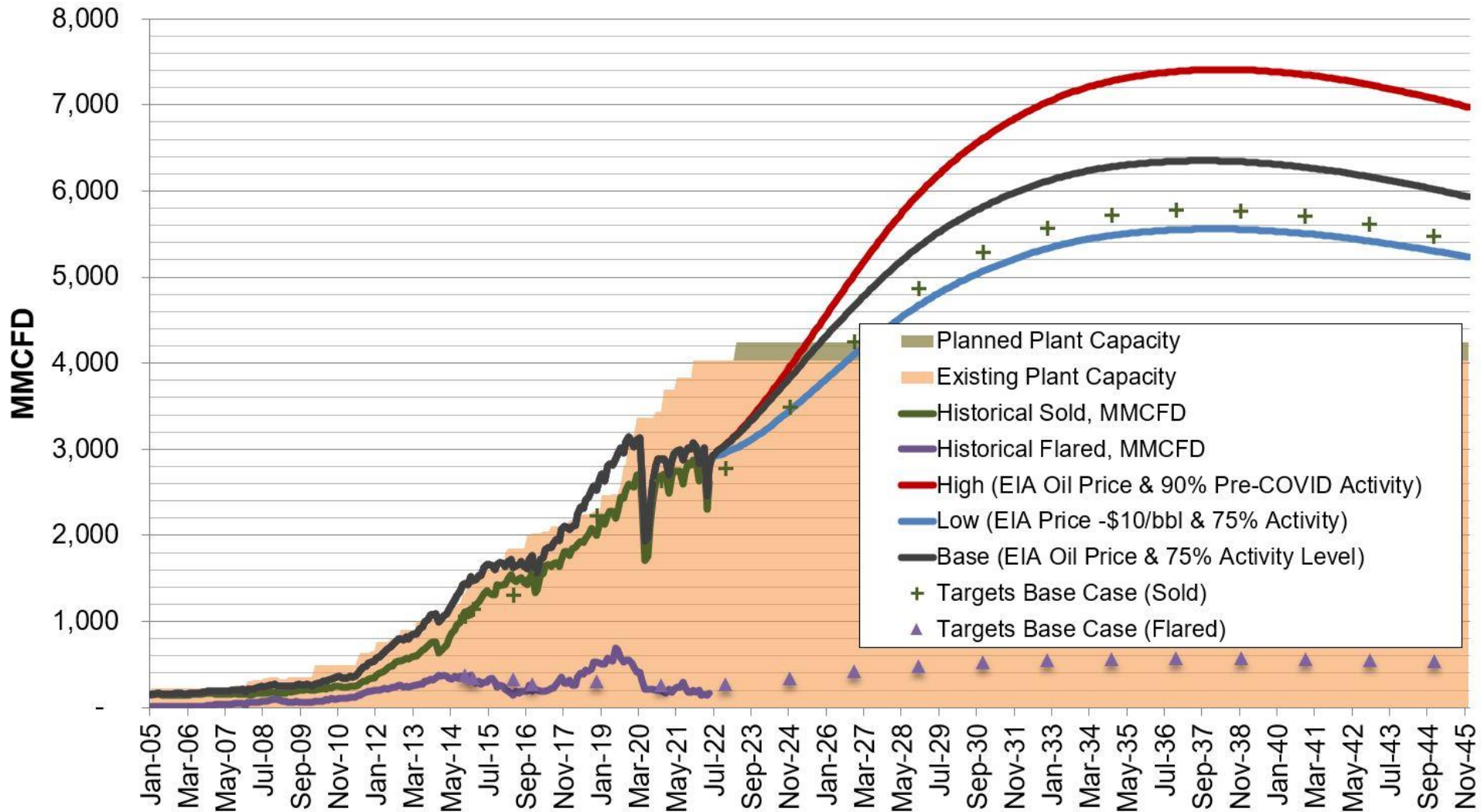
West Texas Intermediate (WTI) crude oil price
dollars per barrel



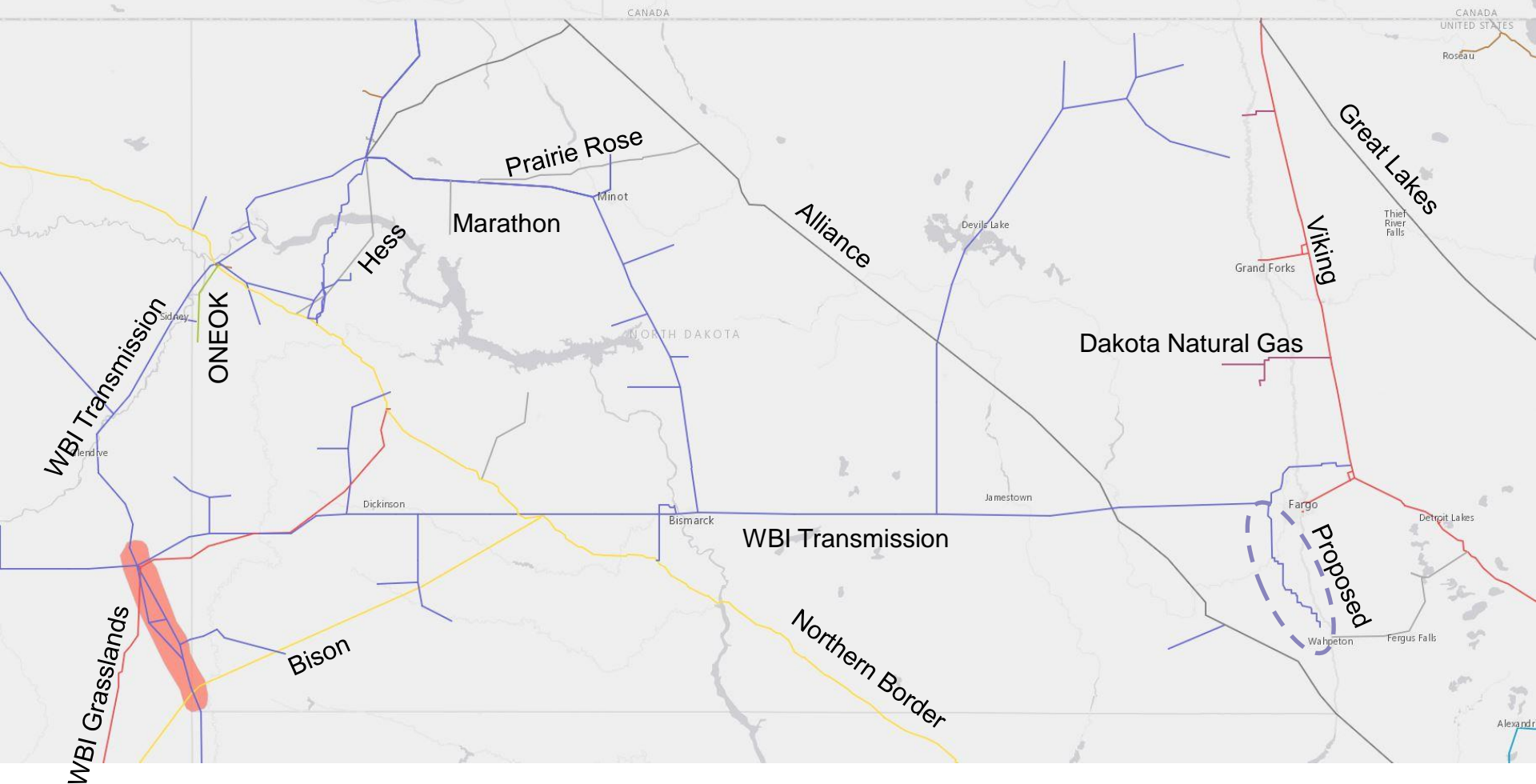
Sources: U.S. Energy Information Administration, Short-Term Energy Outlook, July 2022



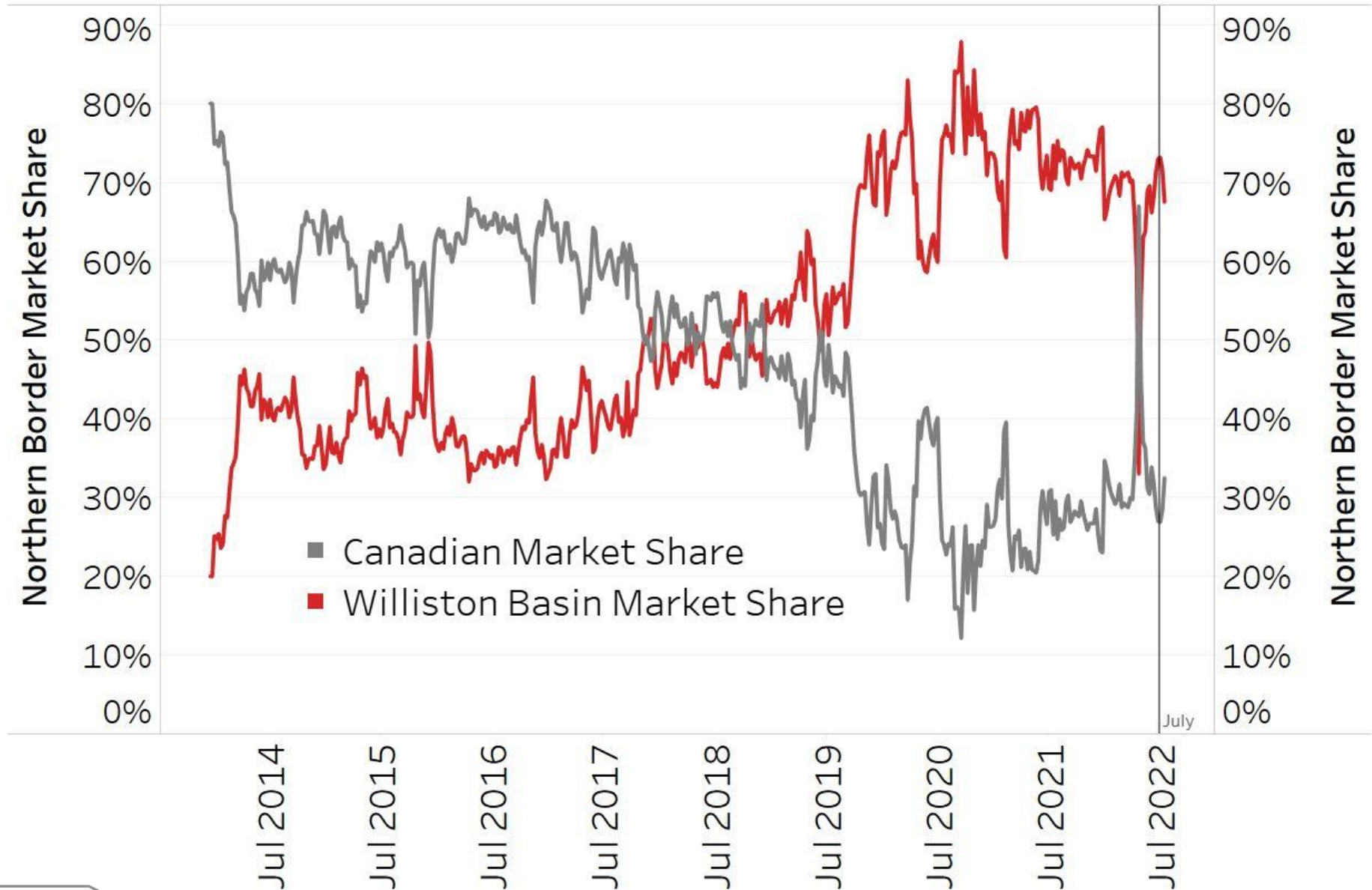
Solving the Flaring Challenge



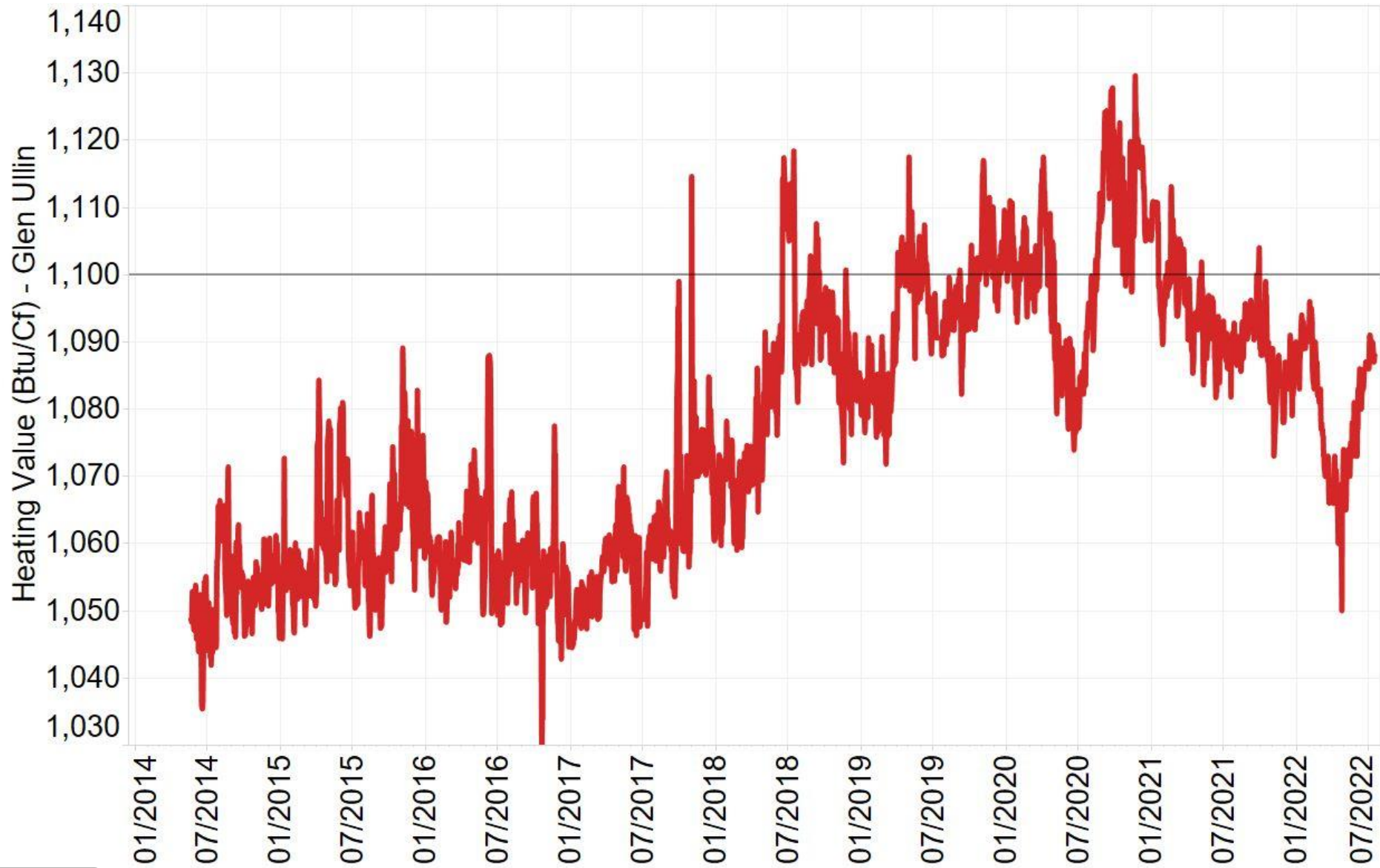
Bakken Natural Gas Infrastructure



Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



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