



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

US Williston Basin Oil Production - 2021

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,147,724	50,417	2,874	1,201,015
February	1,083,820	48,251	2,828	1,134,899
March	1,109,005	49,525	2,744	1,161,275
April	1,121,776	48,439	2,644	1,172,859
May	1,129,785	47,276	2,640	1,179,702
June	1,134,758	44,083	3,103	1,181,944
July	1,078,883	43,755	2,884	1,125,522
August	1,108,084	47,281	2,892	1,158,257
September	1,113,963	50,407	2,847	1,167,217
October	1,110,828	49,394	2,853	1,163,075
November	1,158,553	48,531	2,780	1,209,864
December	1,144,999	48,137	2,717	1,195,852



US Williston Basin Oil Production - 2022

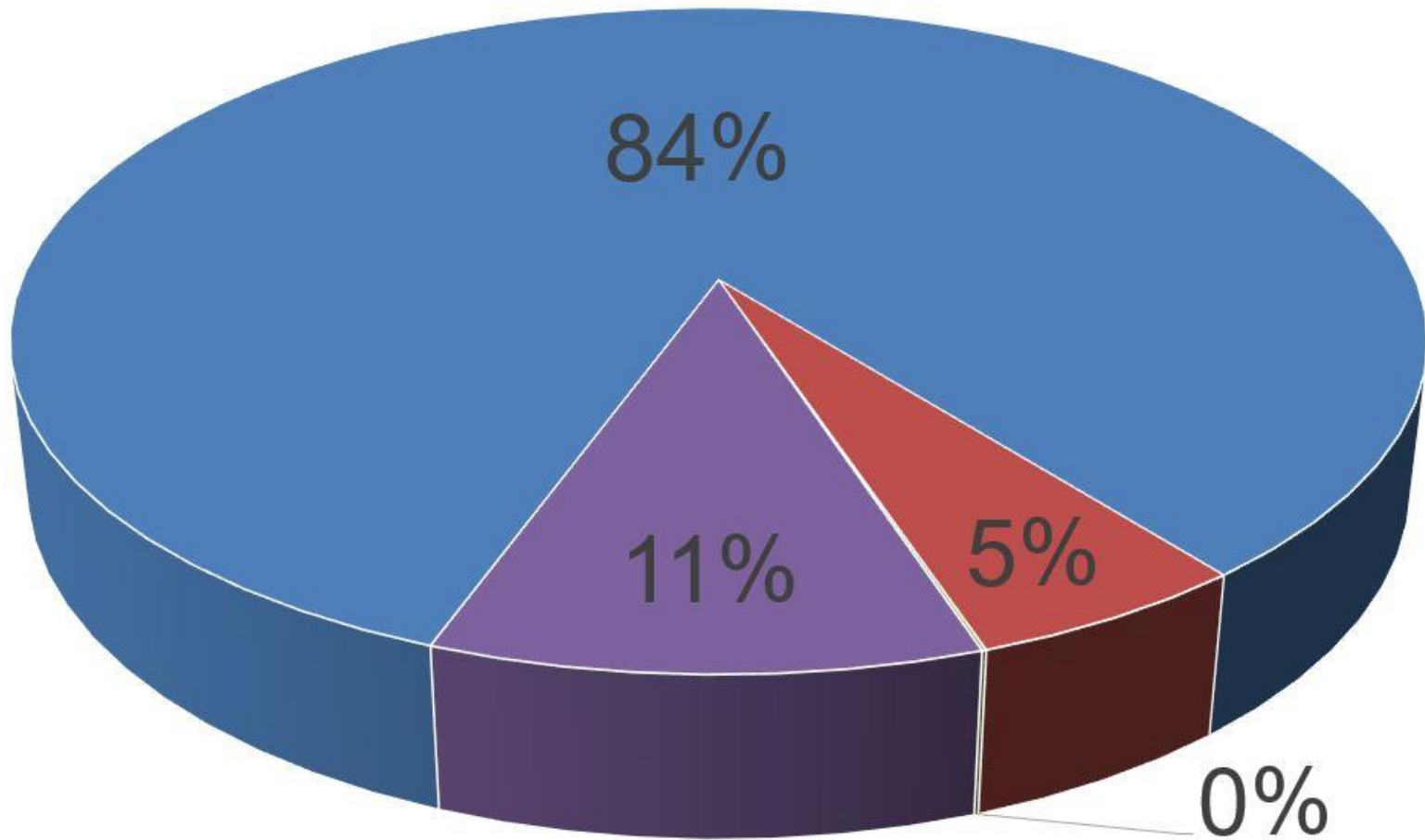
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,088,613		2,709	
February	1,089,193			
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				



North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

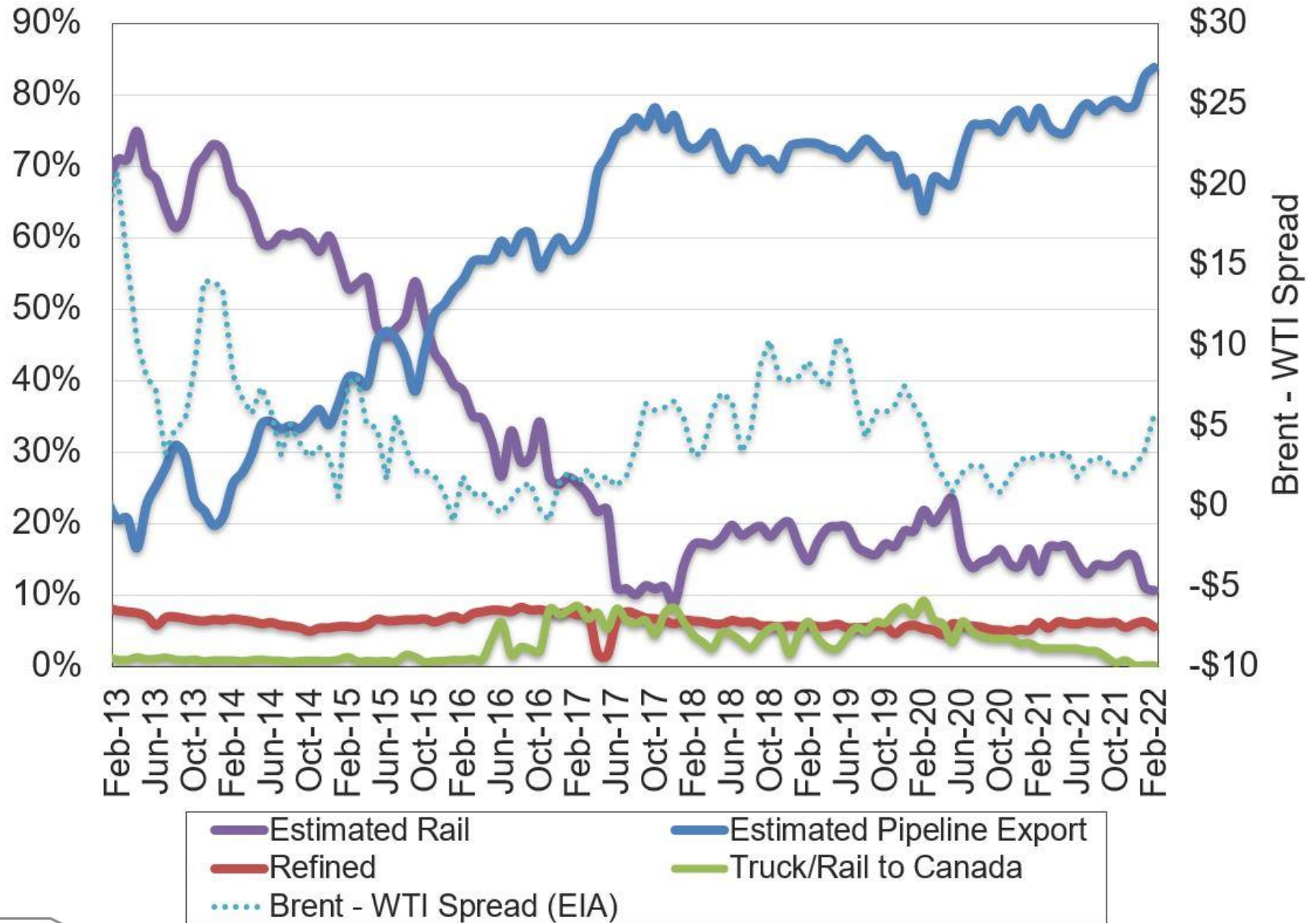
■ Refined

■ Estimated Rail

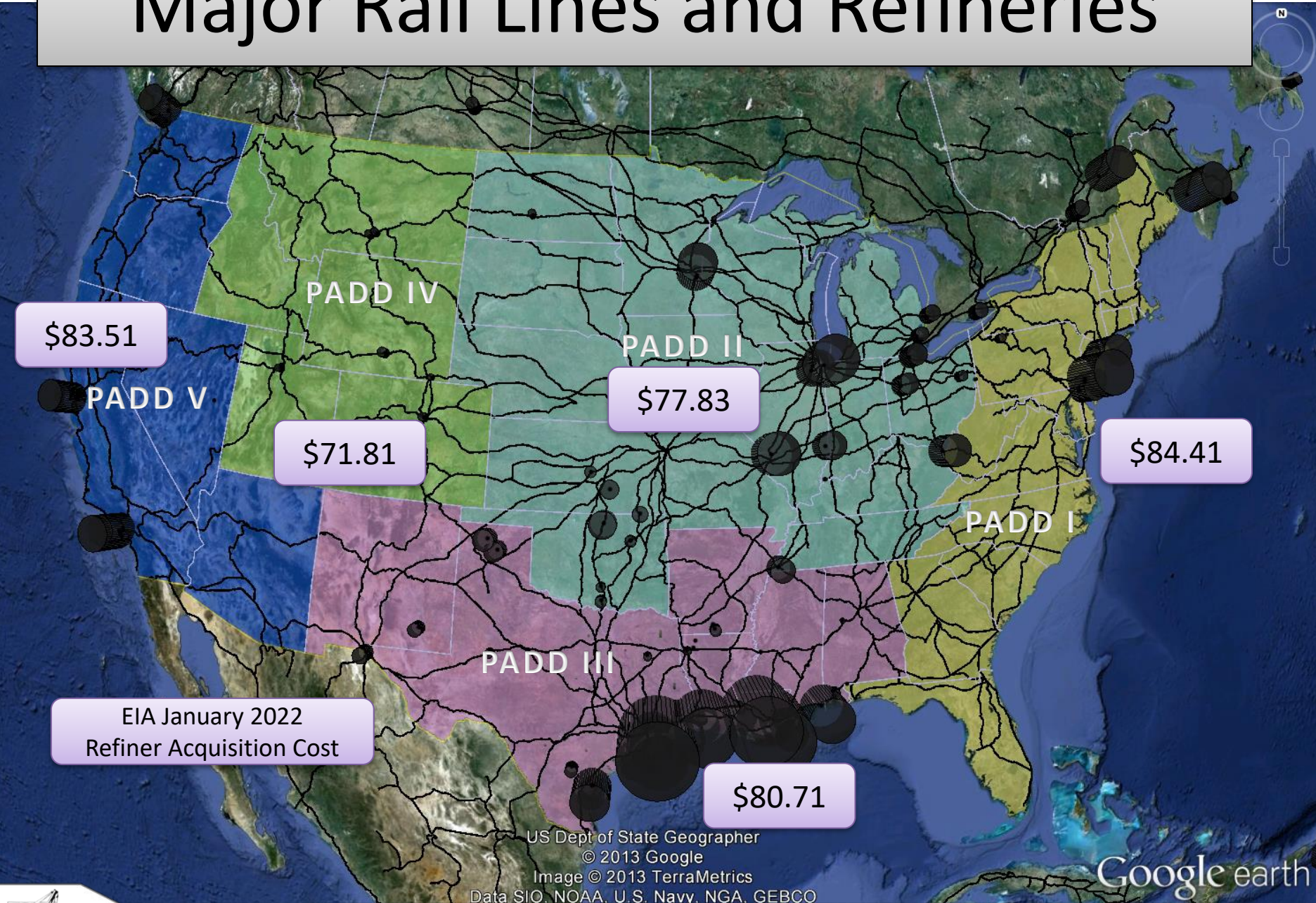
February 2022 ⁵



Estimated Williston Basin Oil Transportation



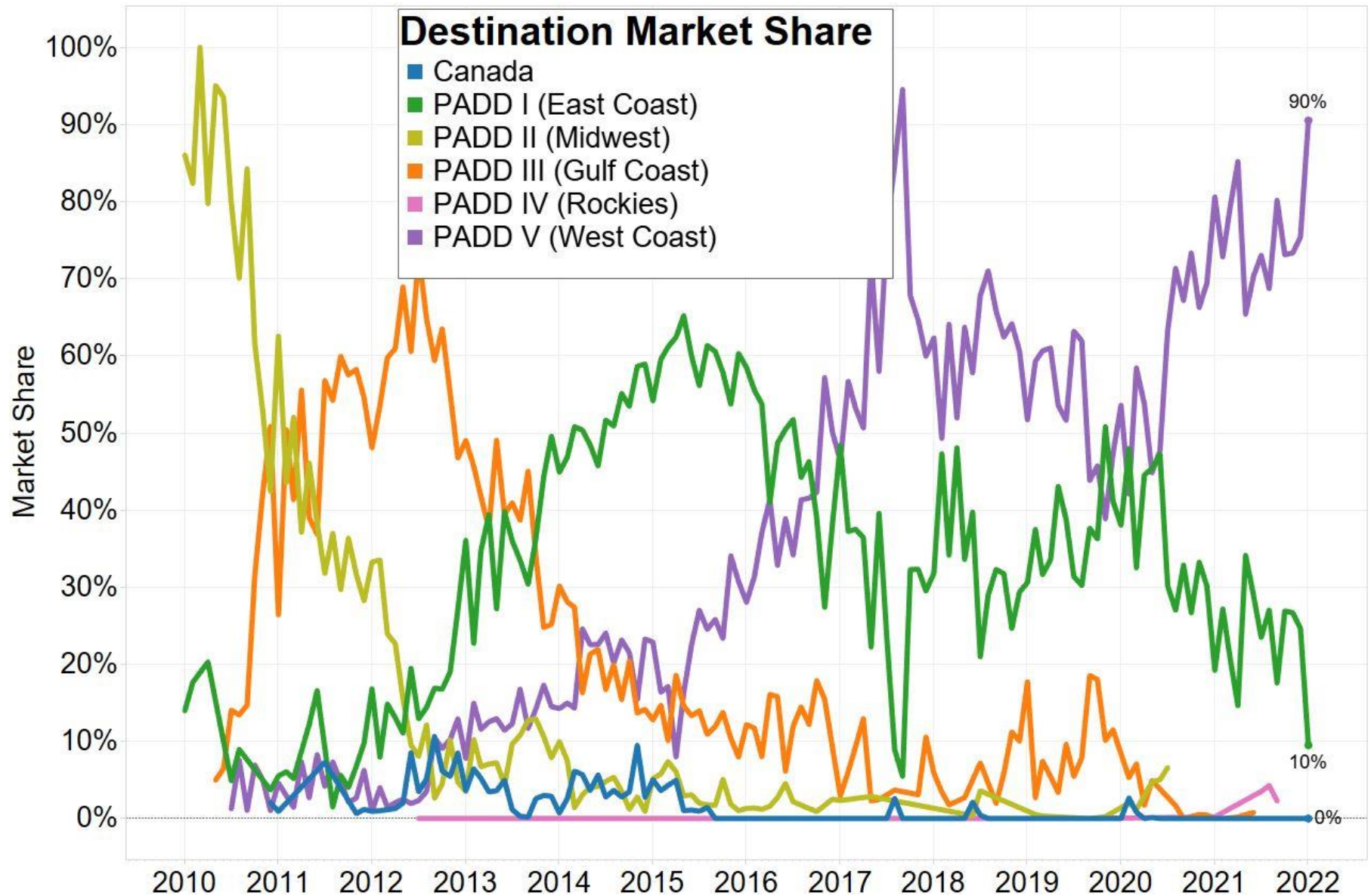
Major Rail Lines and Refineries



Estimated ND Rail Export Volumes



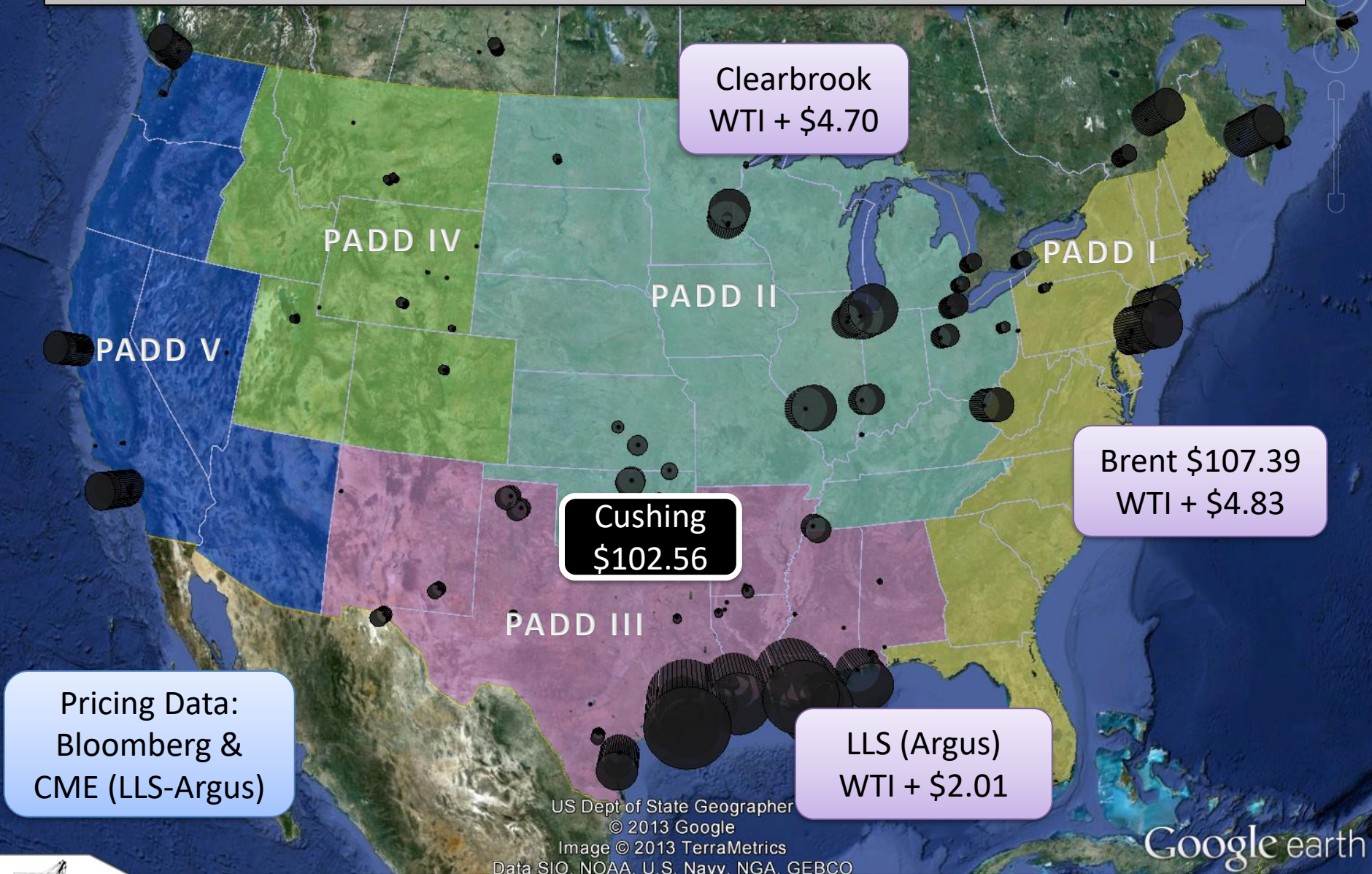
Rail Destinations Market Share (Jan. 2022)



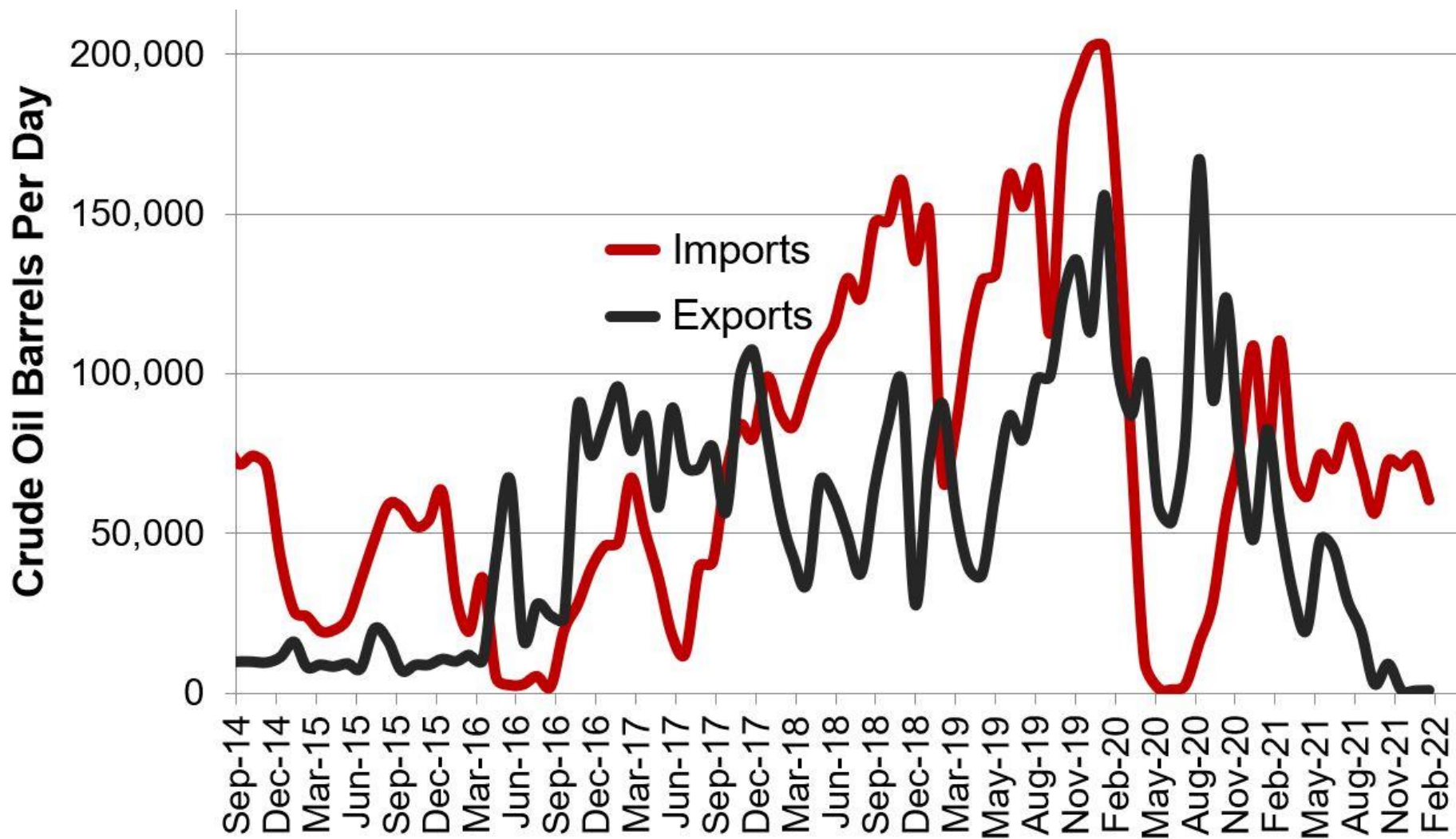
Data for Rail Destination Market Share Provided by the US Energy Information Administration



Crude Oil Prices – April 19, 2022



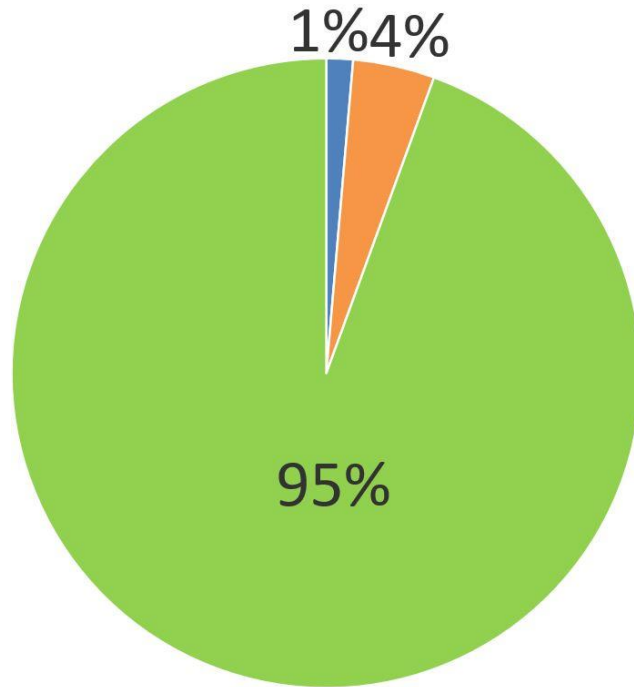
Williston Basin Truck/Rail Imports and Exports with Canada



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.

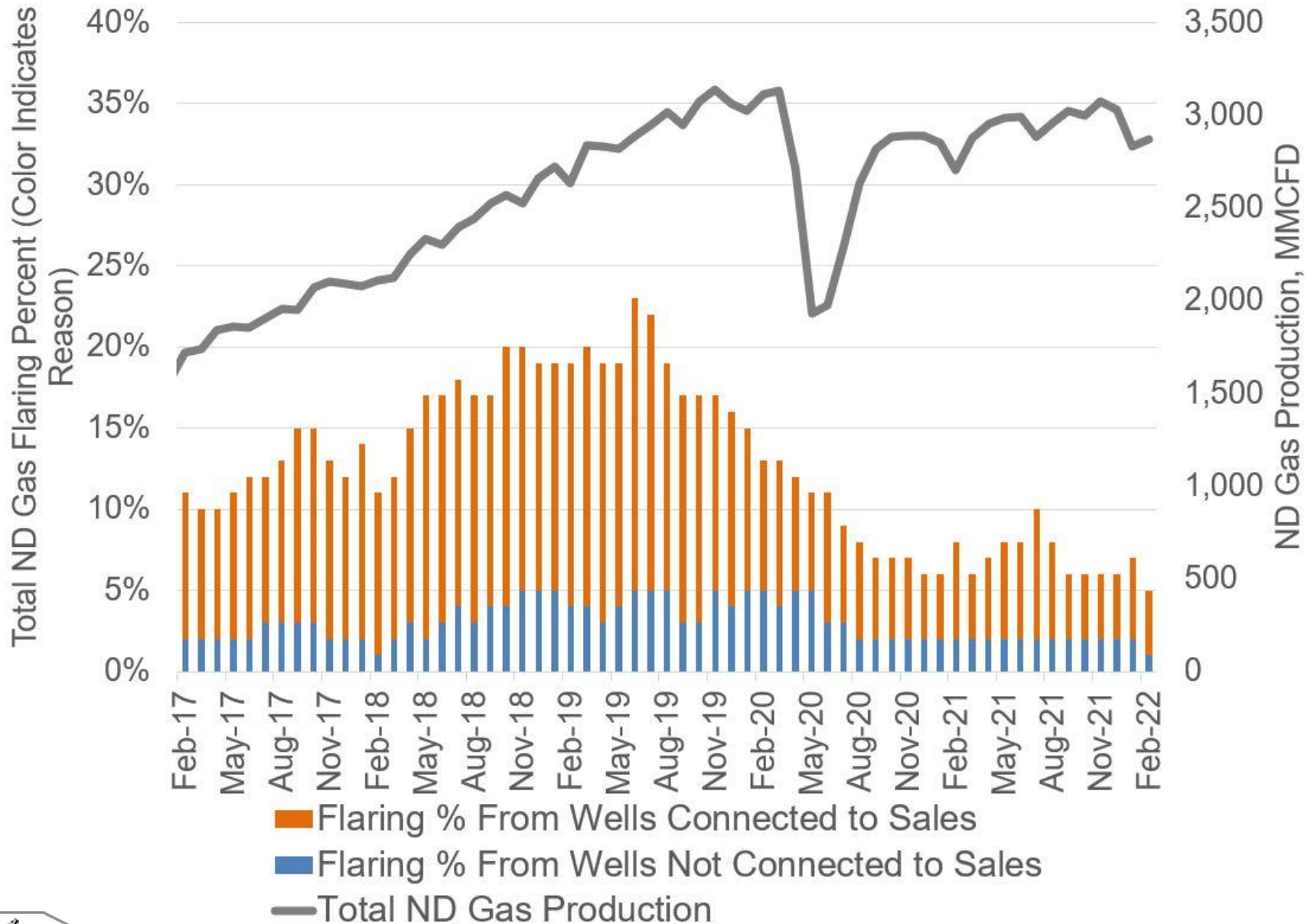
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

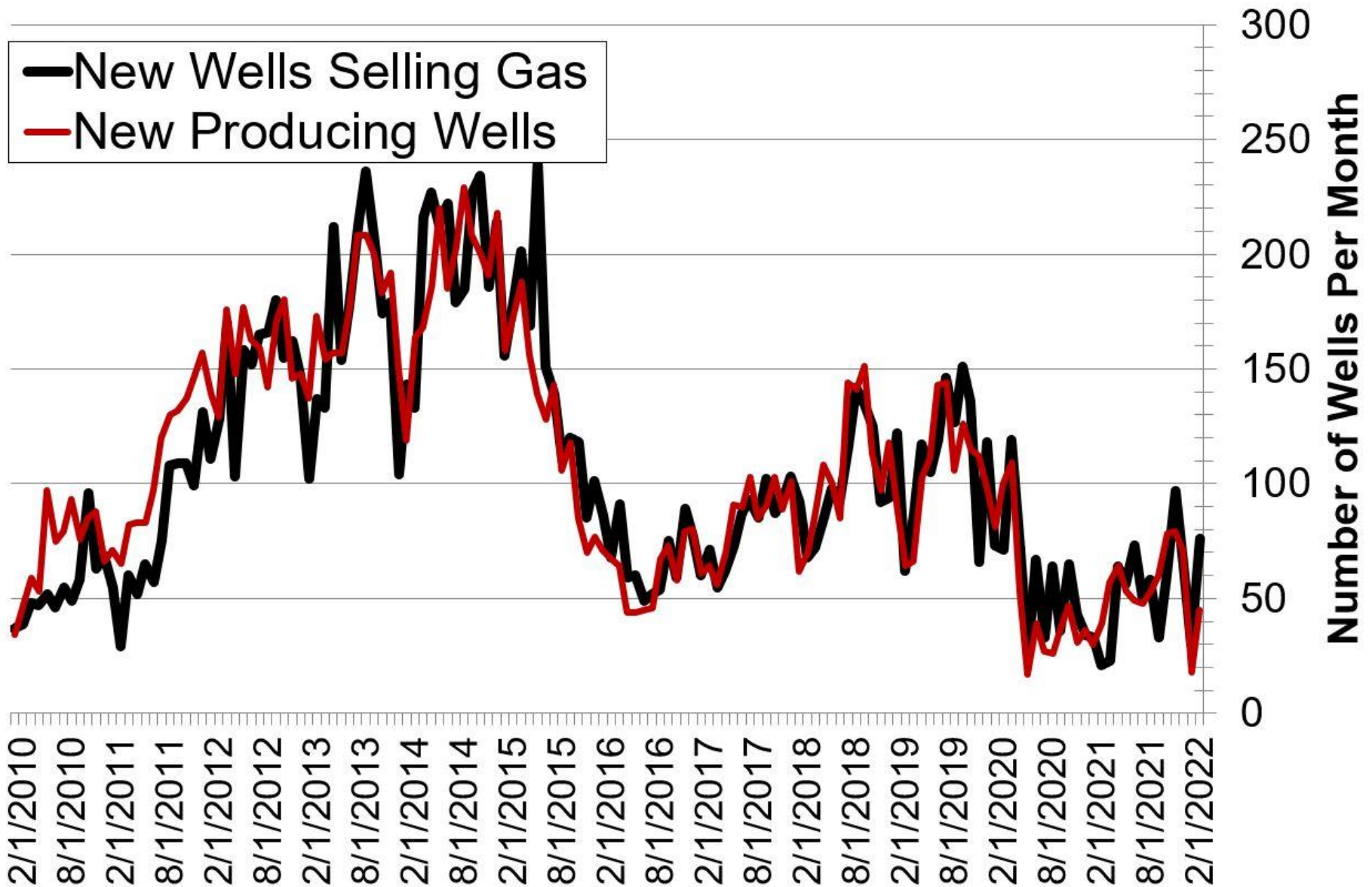
Feb. 2022 Data – Non-Confidential Wells



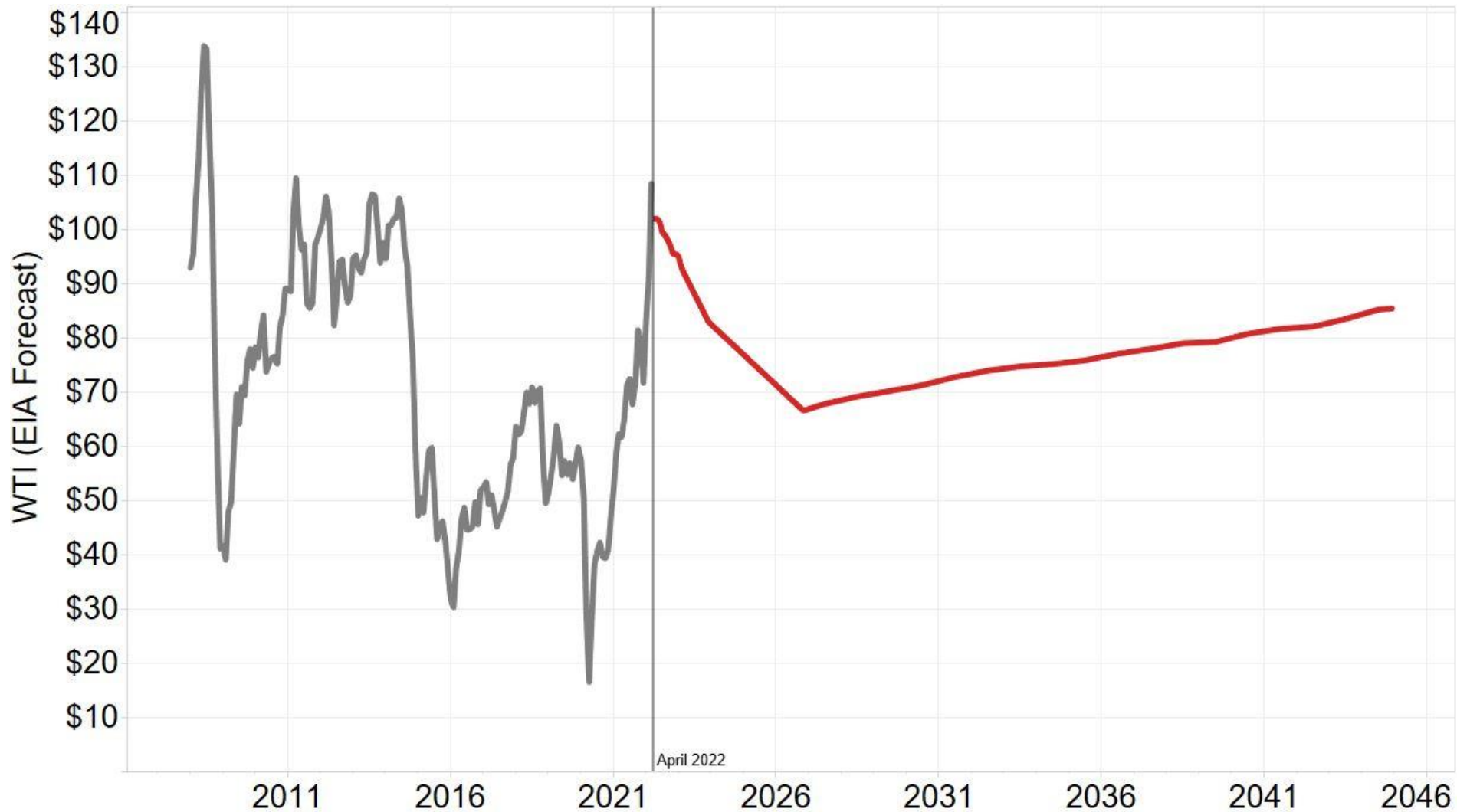
Solving the Flaring Challenge



Solving the Flaring Challenge



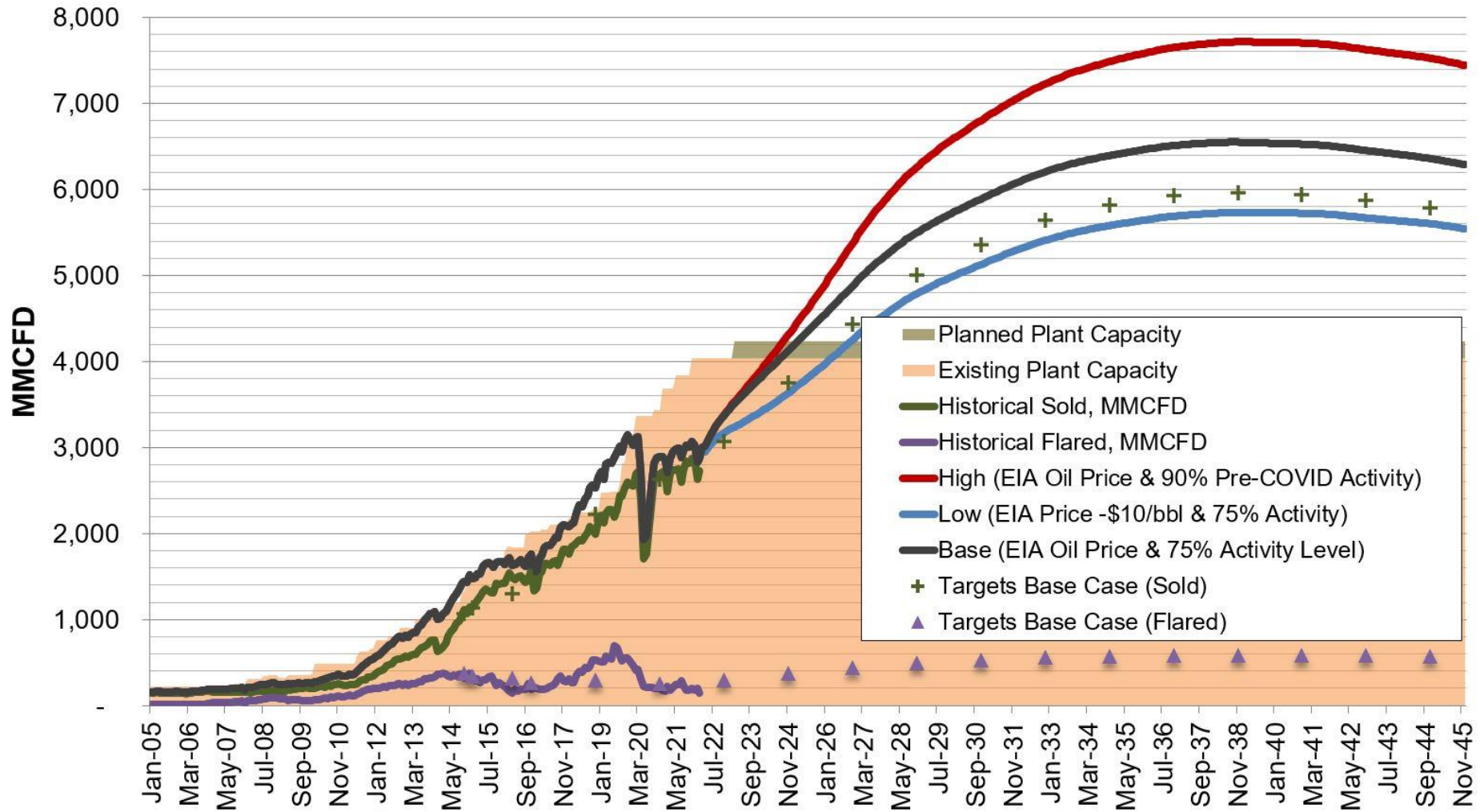
EIA Oil Price Forecast*



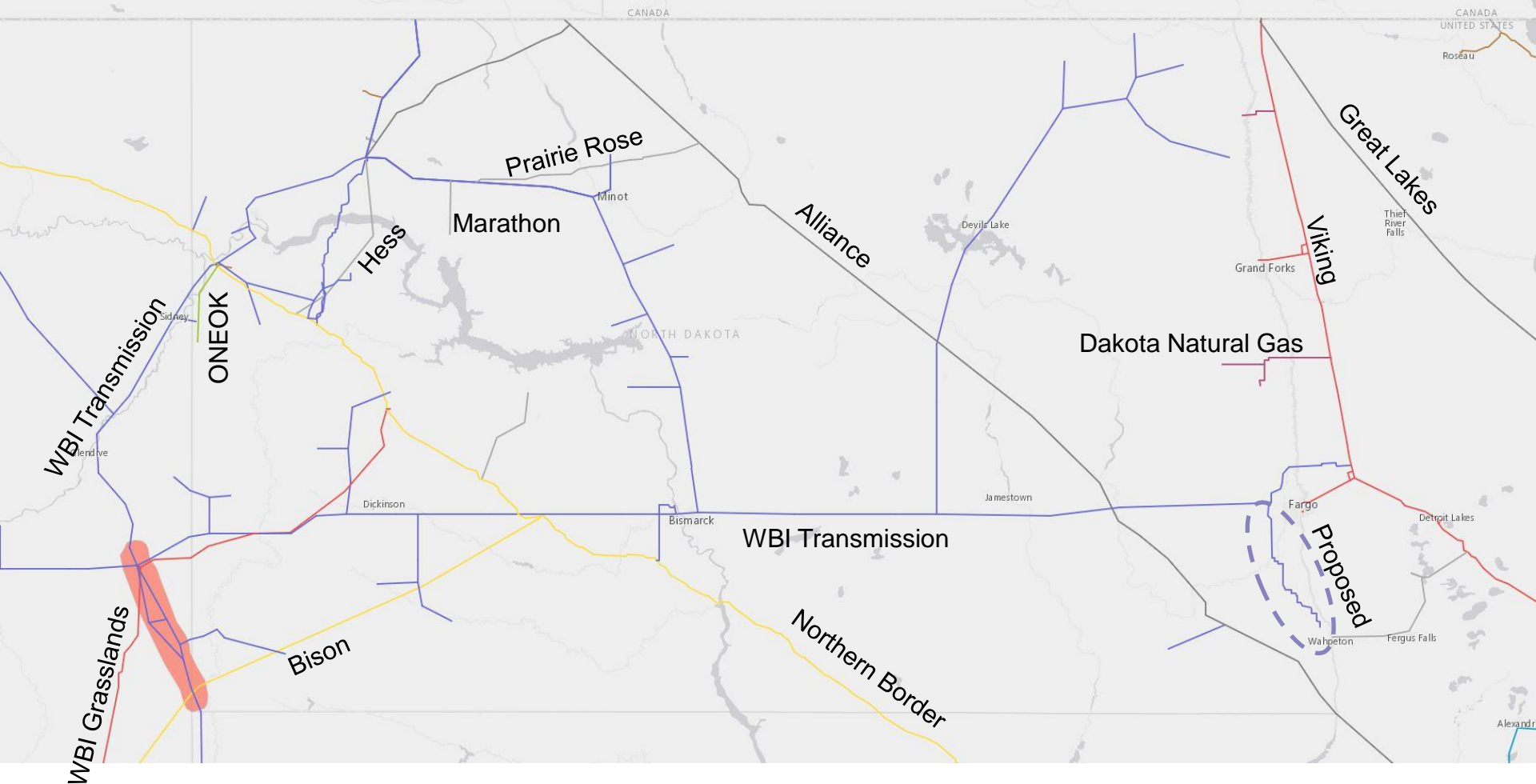
**EIA April 2022 SEO and March 2022 AEO Blend*



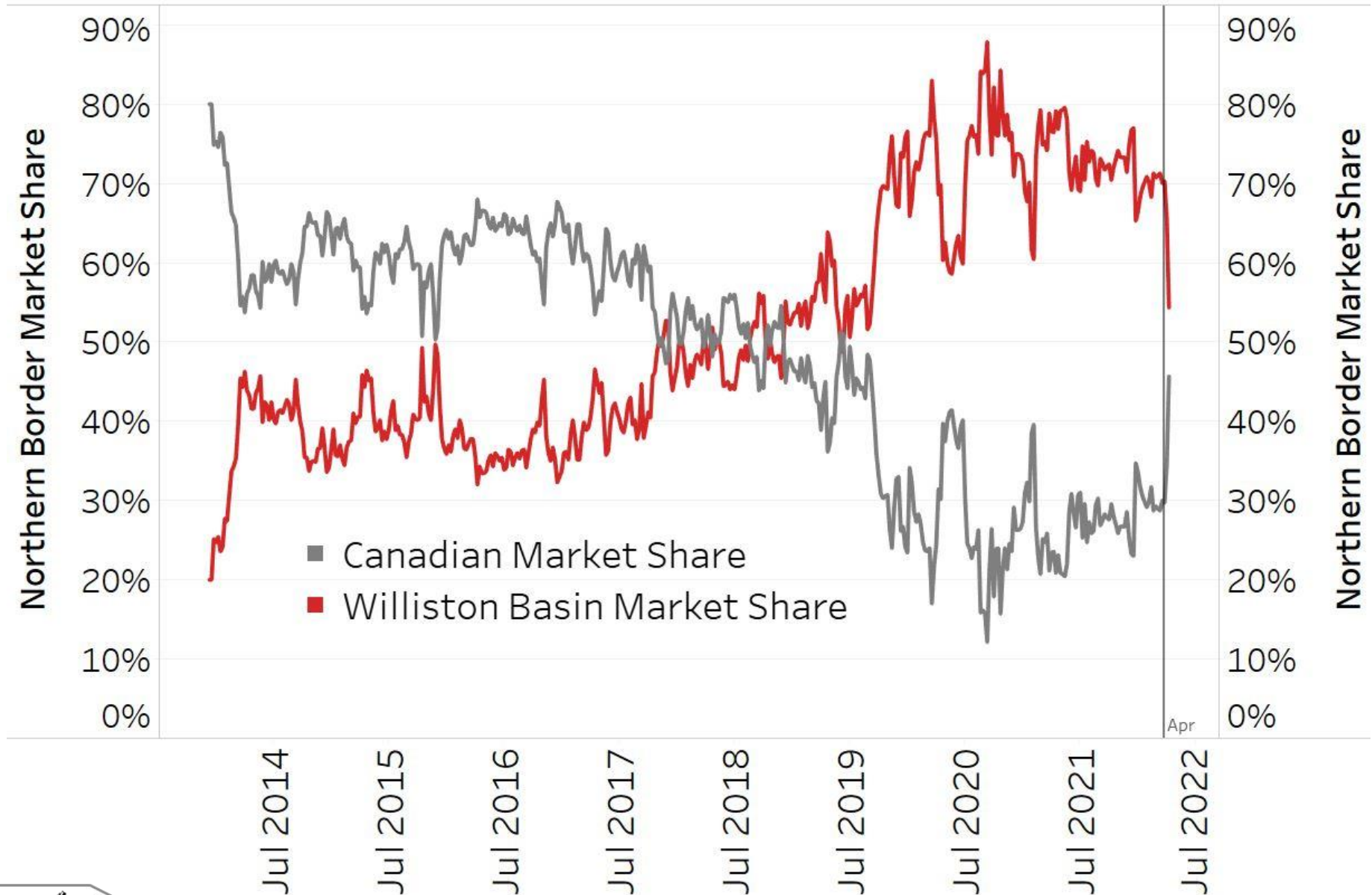
Solving the Flaring Challenge



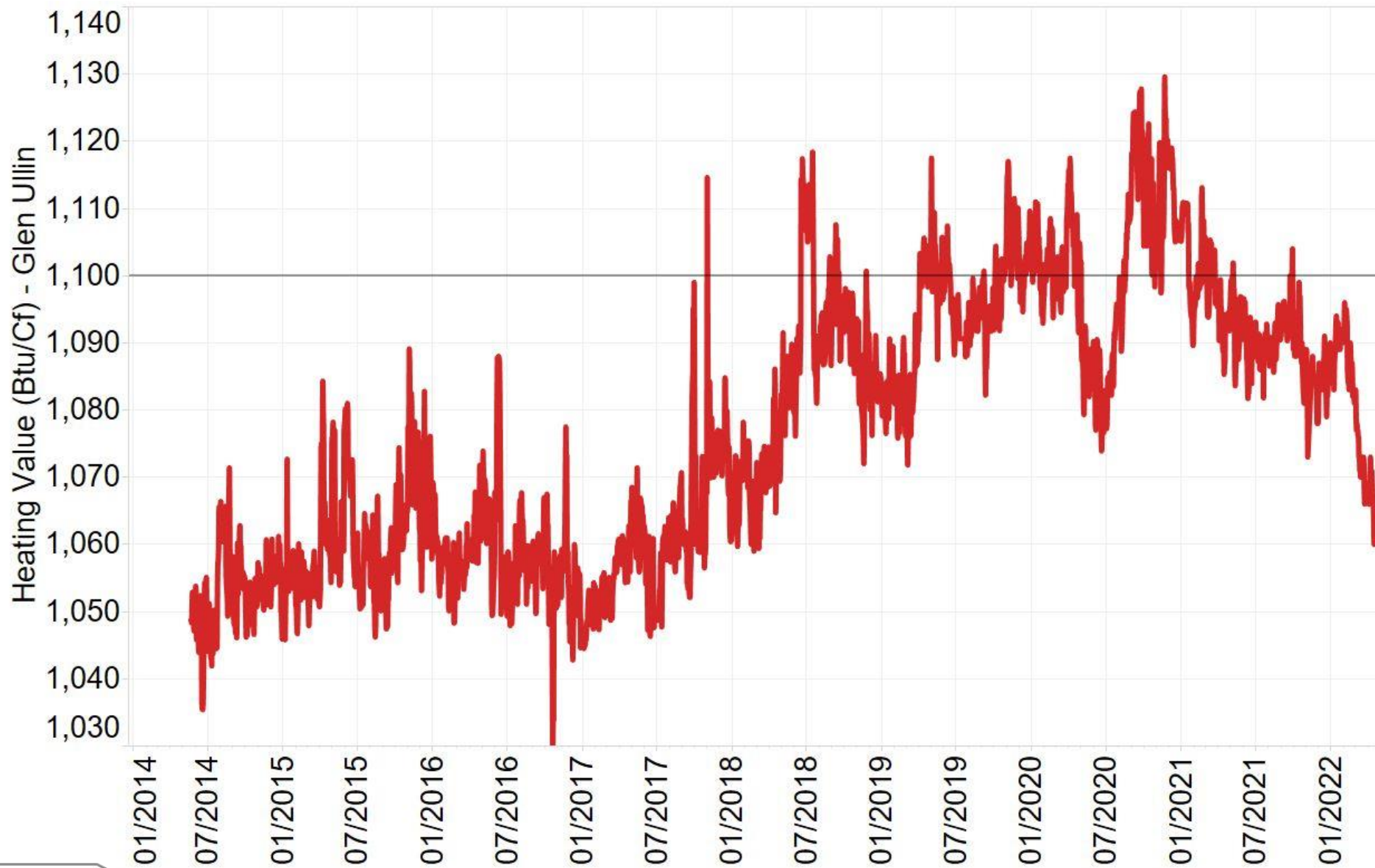
Bakken Natural Gas Infrastructure



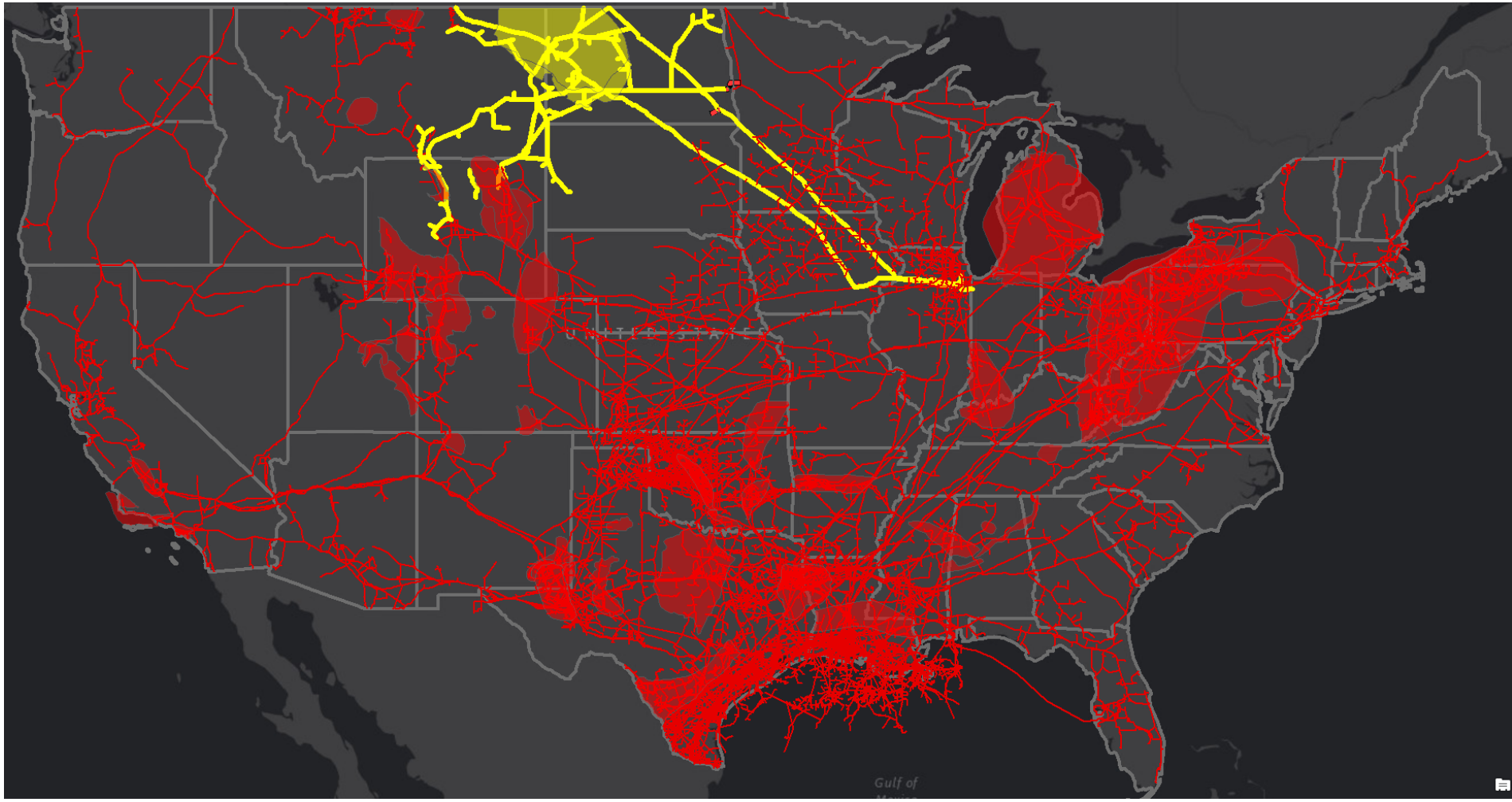
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



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