



January 2021 Monthly Update North Dakota Pipeline Authority

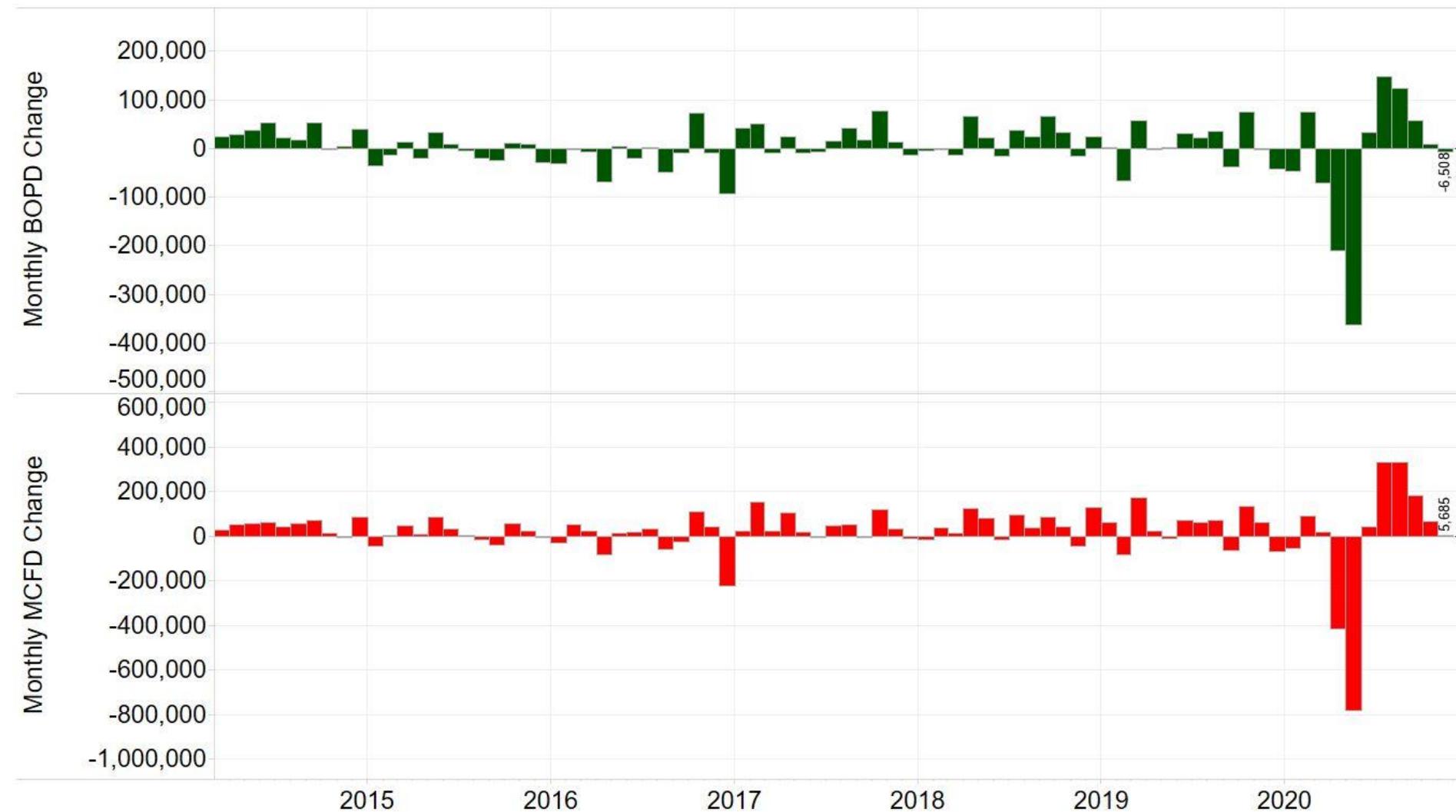
Justin J. Kringstad
January 15, 2021

US Williston Basin Oil Production - 2020

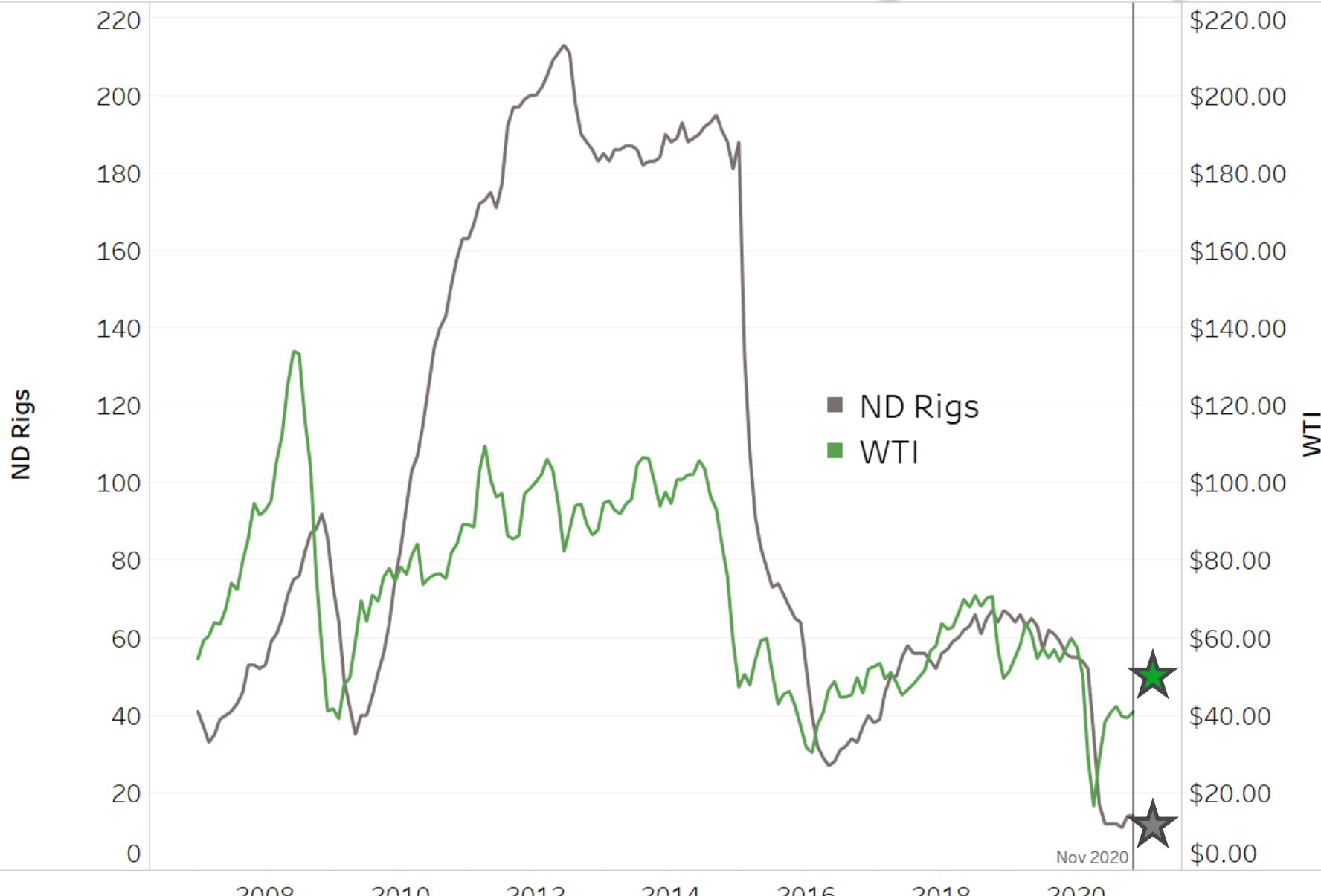
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,430,646	57,435	3,091	1,491,172
February	1,505,045	55,409	3,070	1,563,524
March	1,433,730	57,699	2,946	1,494,375
April	1,223,975	49,025	2,610	1,275,610
May	860,586	37,028	2,466	900,080
June	893,756	42,808	2,680	939,244
July	1,042,242	48,373	3,435	1,094,050
August	1,165,379	46,883	2,807	1,215,069
September	1,223,107	46,980	2,837	1,272,924
October	1,231,048	39,957	2,718	1,273,723
November	1,224,540			
December				



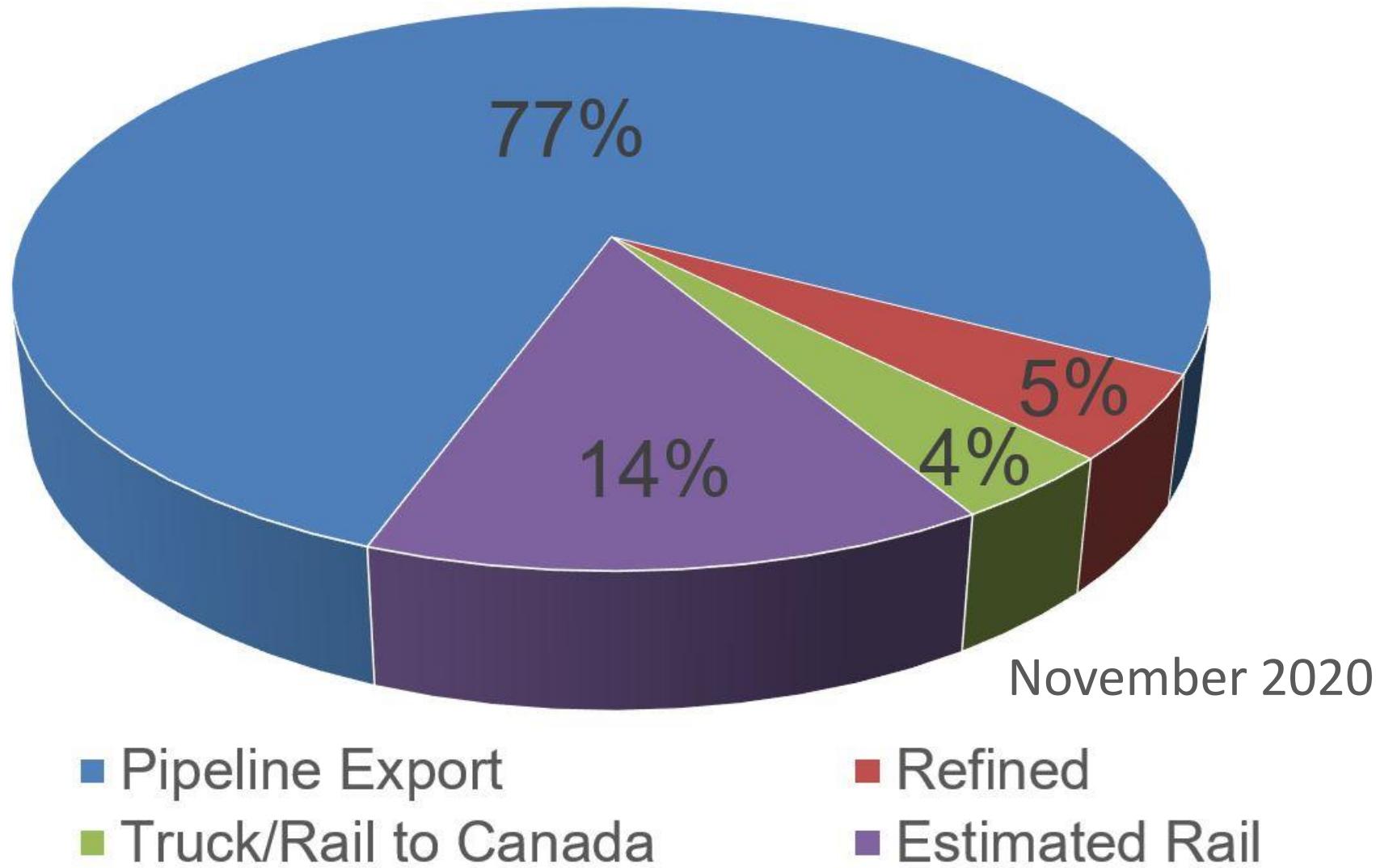
North Dakota Monthly Production Change



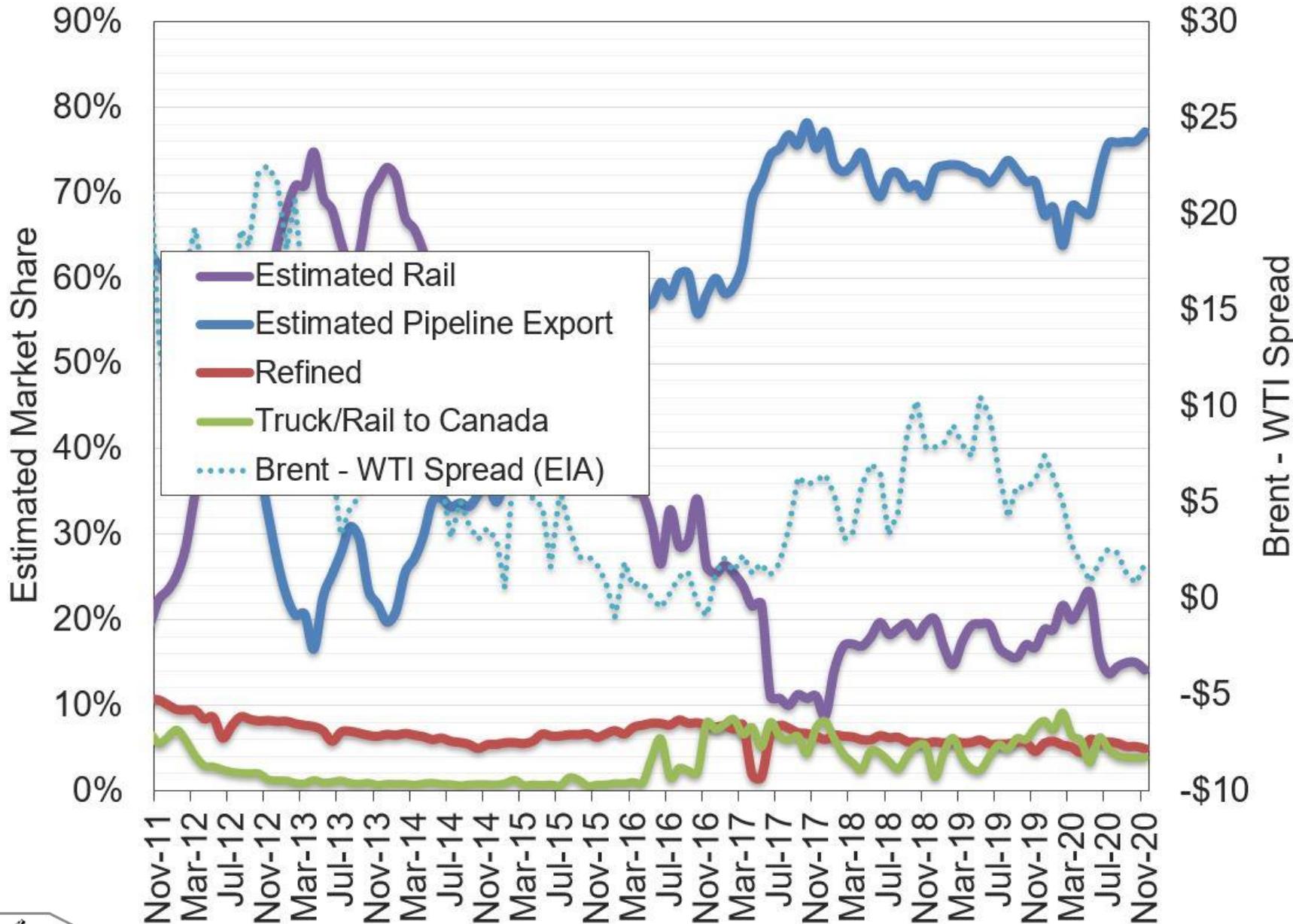
North Dakota Drilling Activity



Estimated Williston Basin Oil Transportation



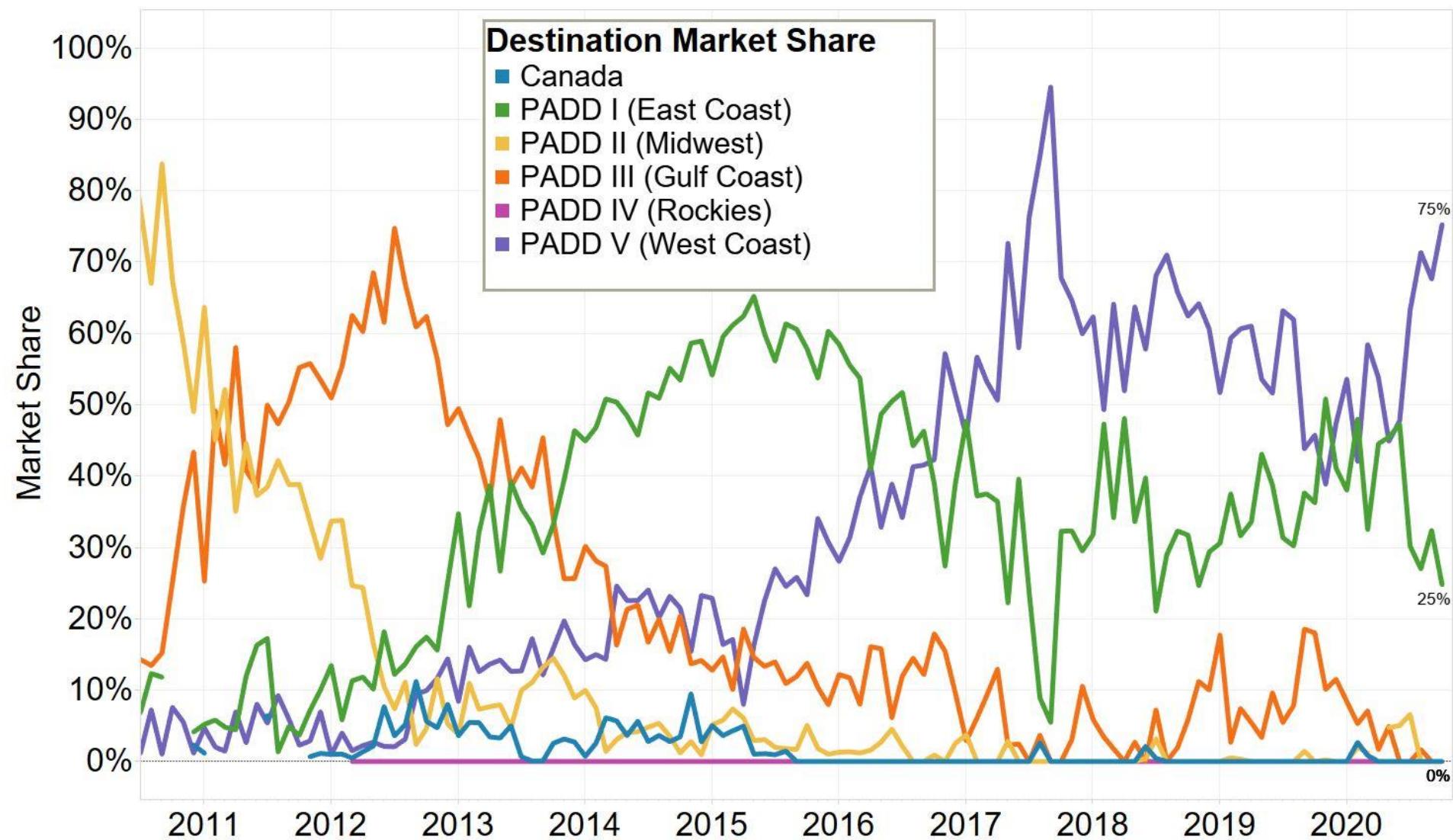
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



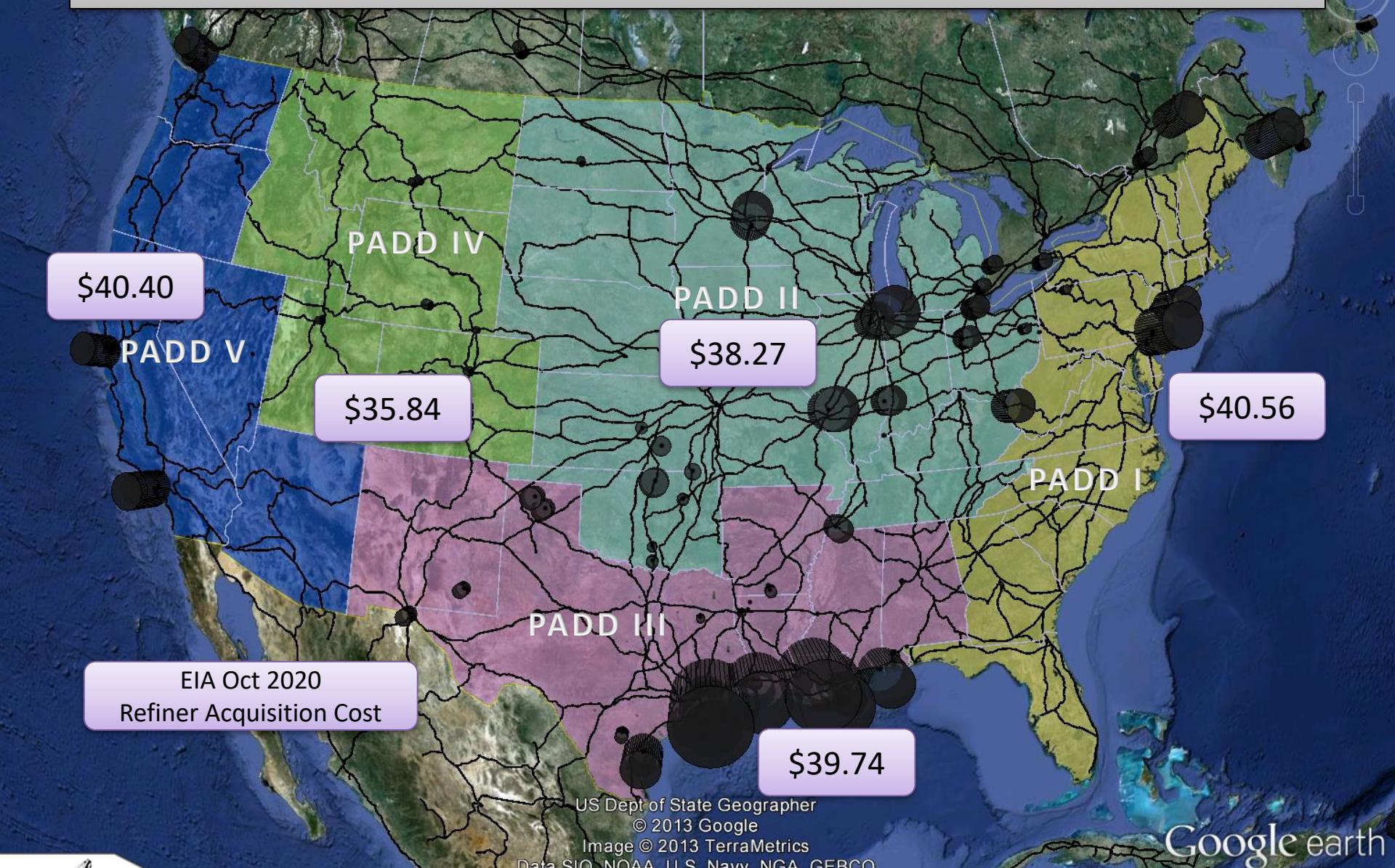
Rail Destinations Market Share (Oct. 2020)



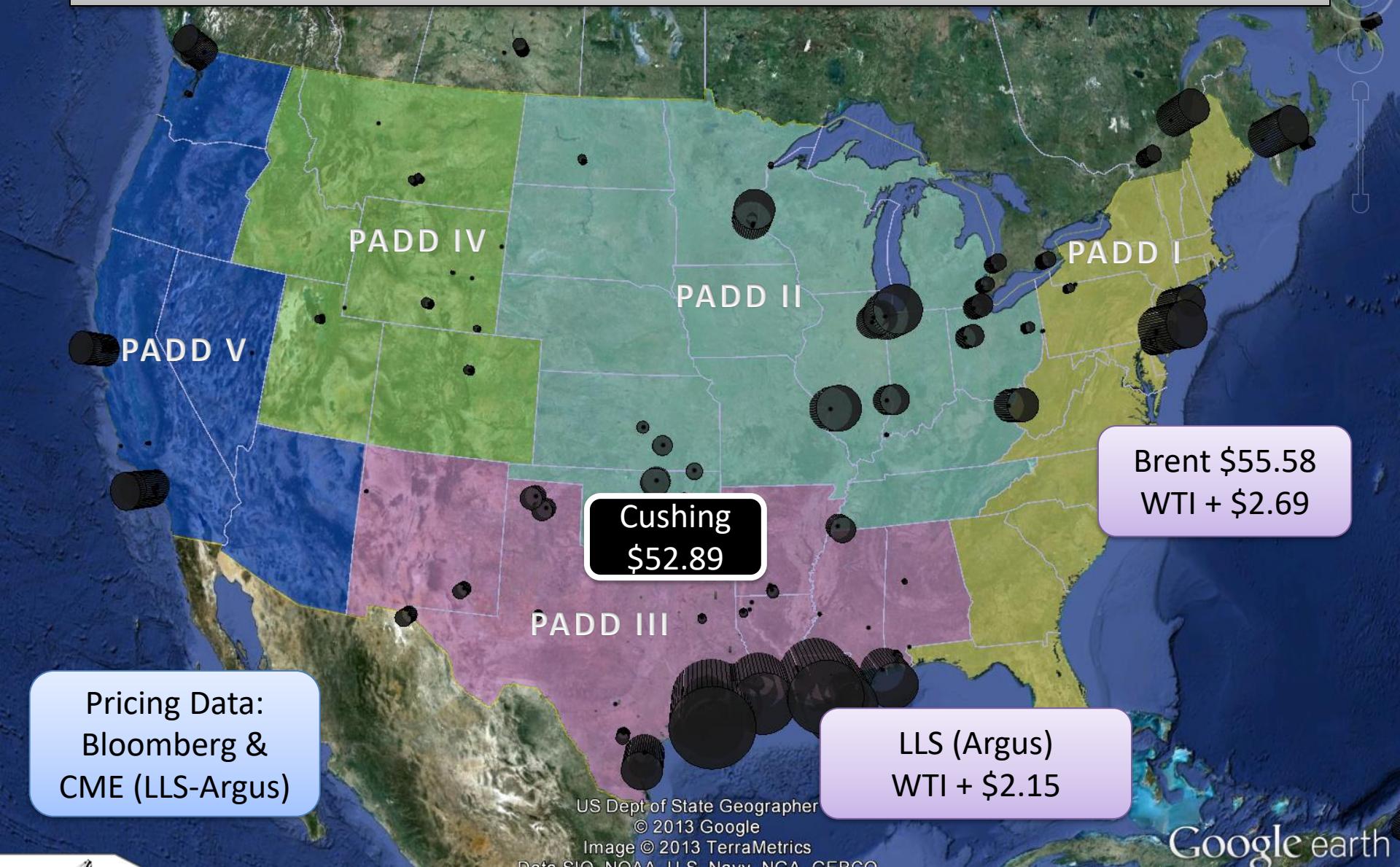
Data for Rail Destination Market Share Provided by the US Energy Information Administration



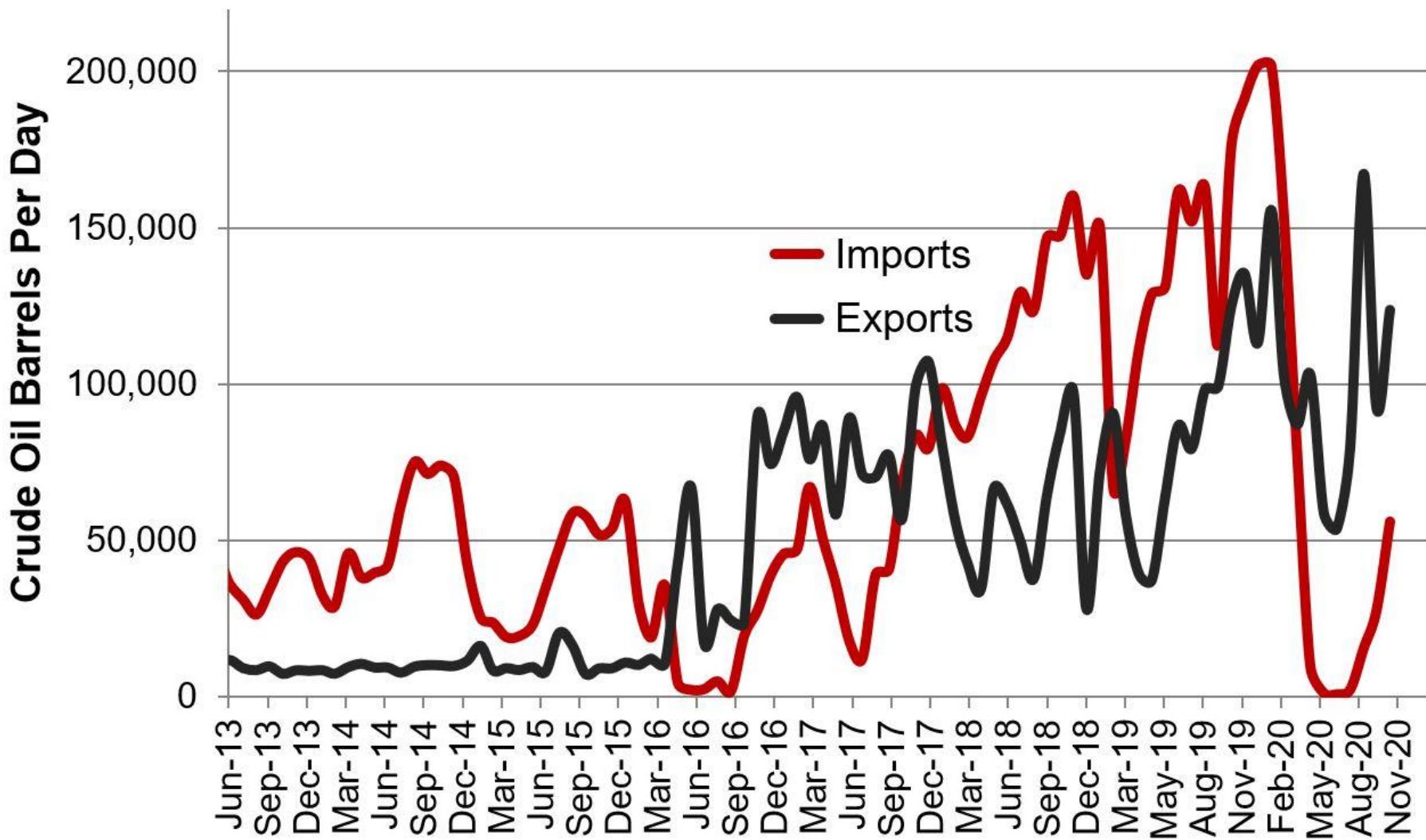
Major Rail Lines and Refineries



Crude Oil Prices – Jan. 15, 2020



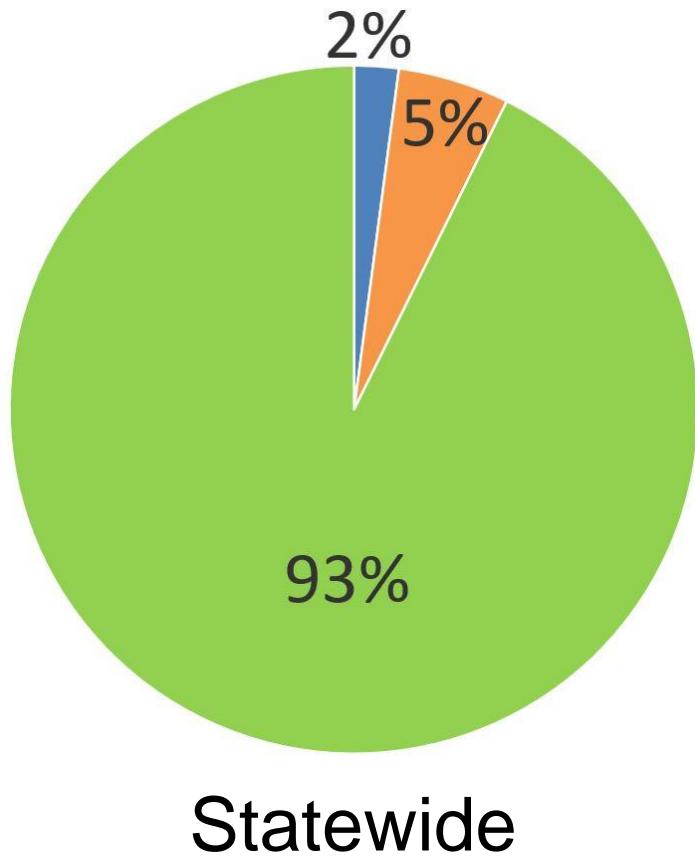
Williston Basin Truck/Rail Imports and Exports with Canada



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



GREEN – % of gas captured and sold
Blue – % flared from zero sales wells
Orange – % flared from wells with at least one mcf sold.

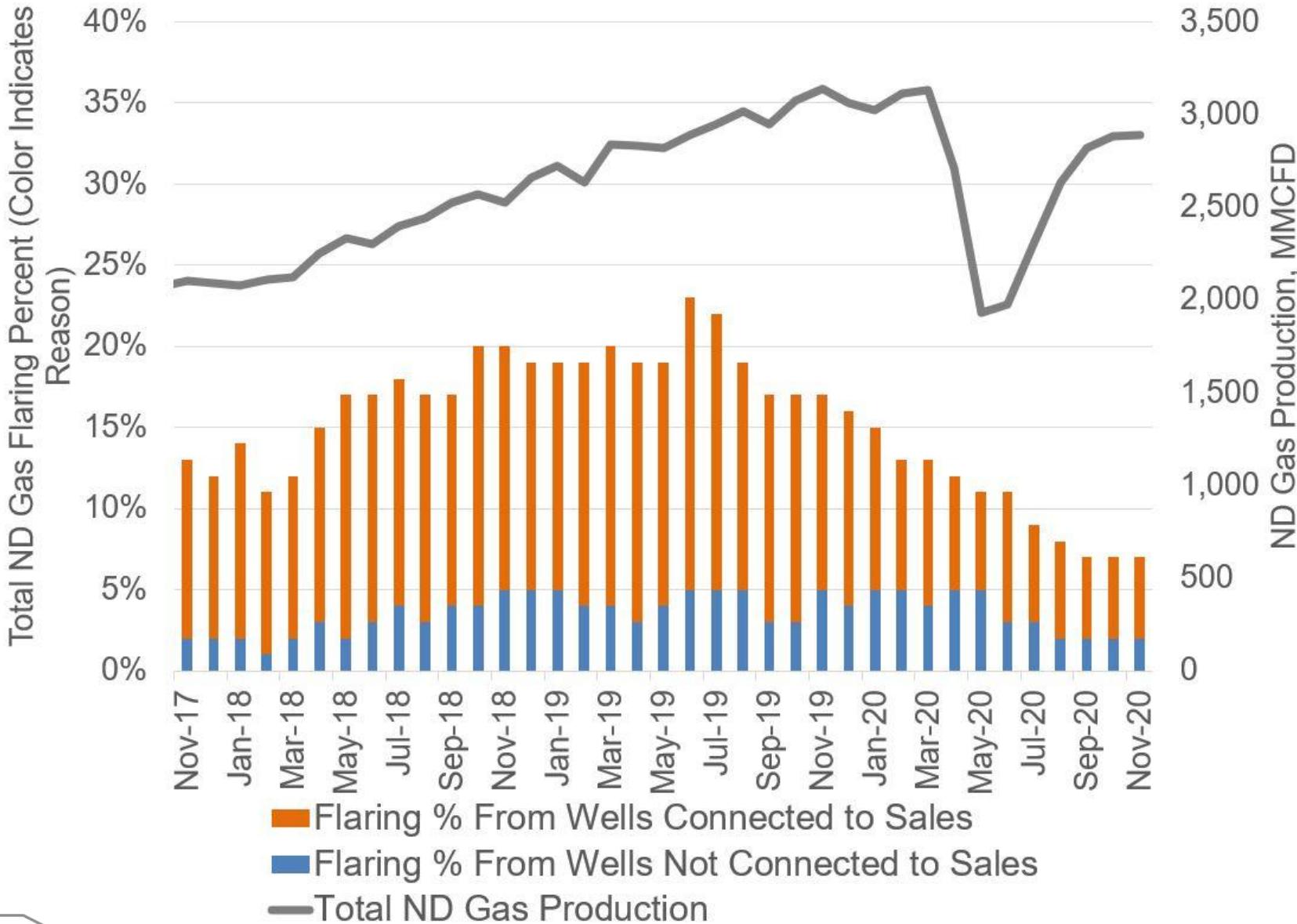
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

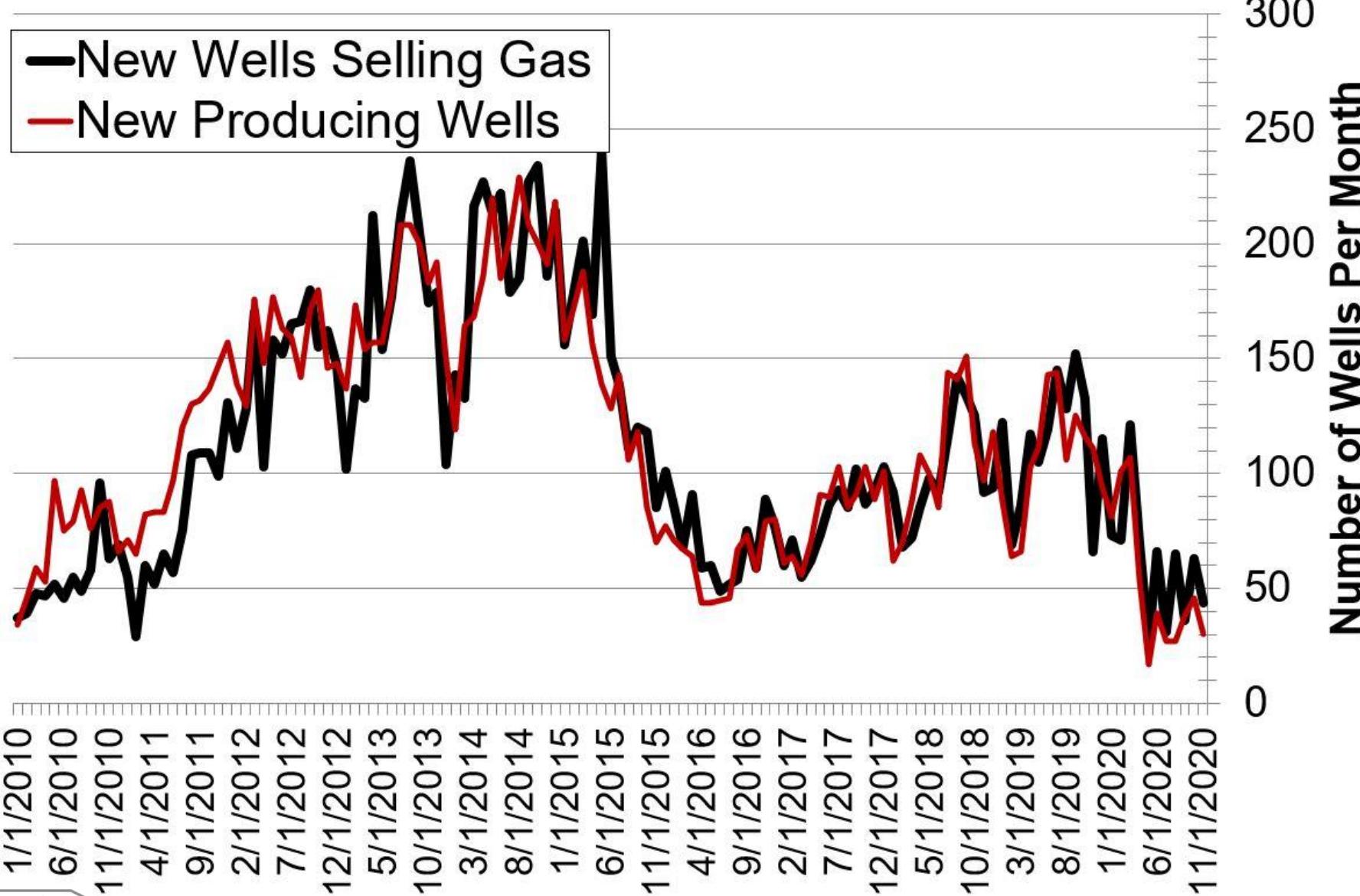
November 2020 Data – Non-Confidential Wells



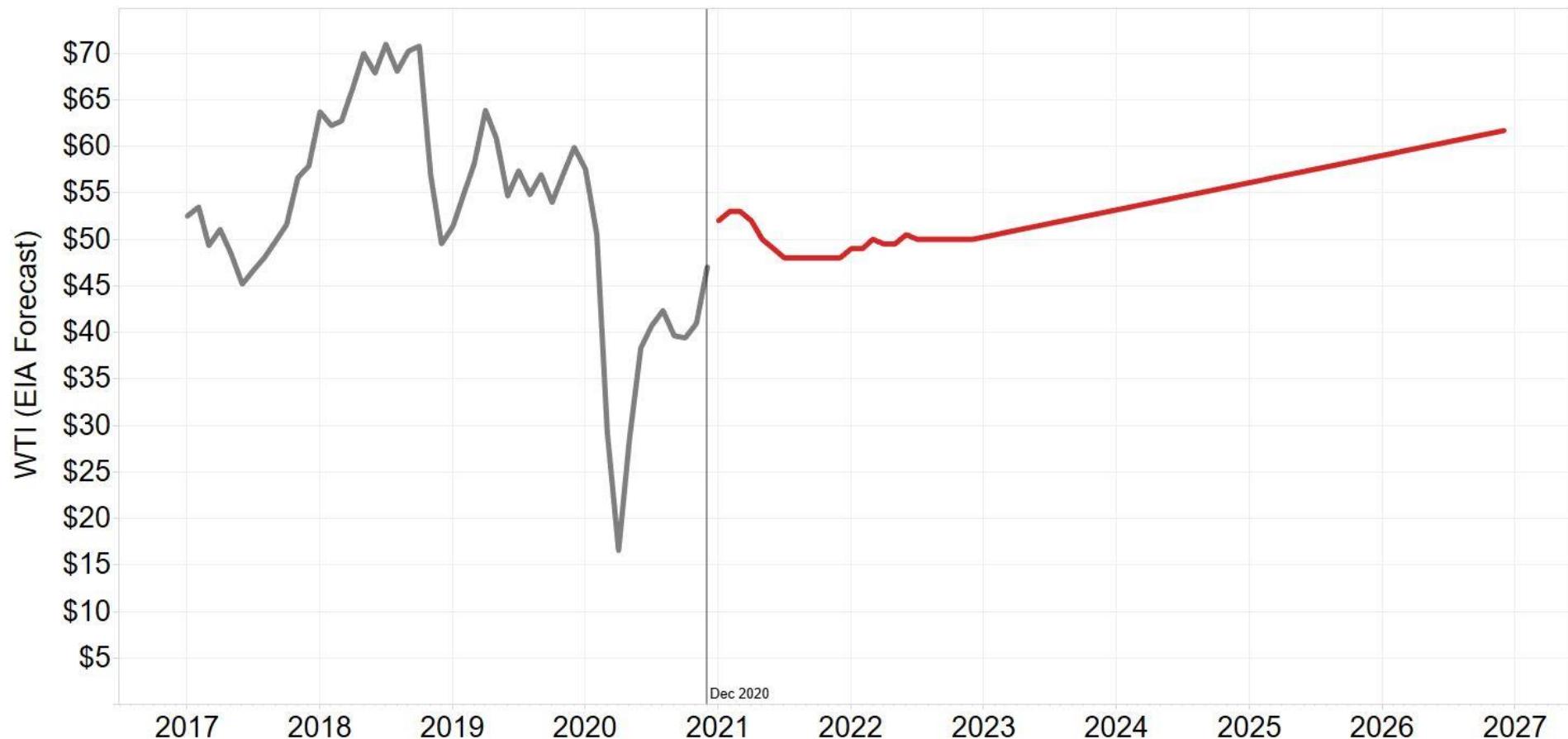
Solving the Flaring Challenge



Solving the Flaring Challenge



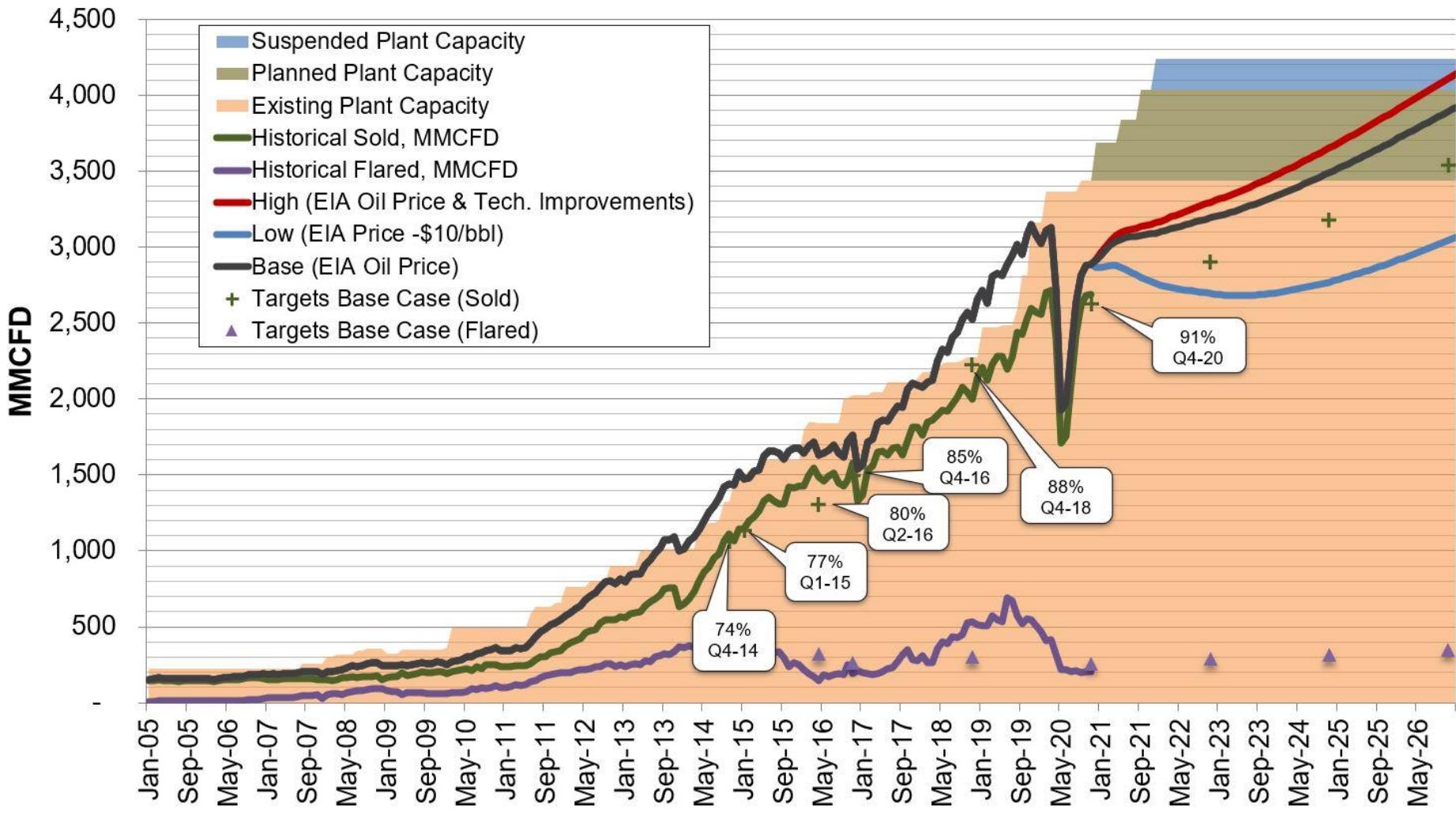
EIA Oil Price Forecast*



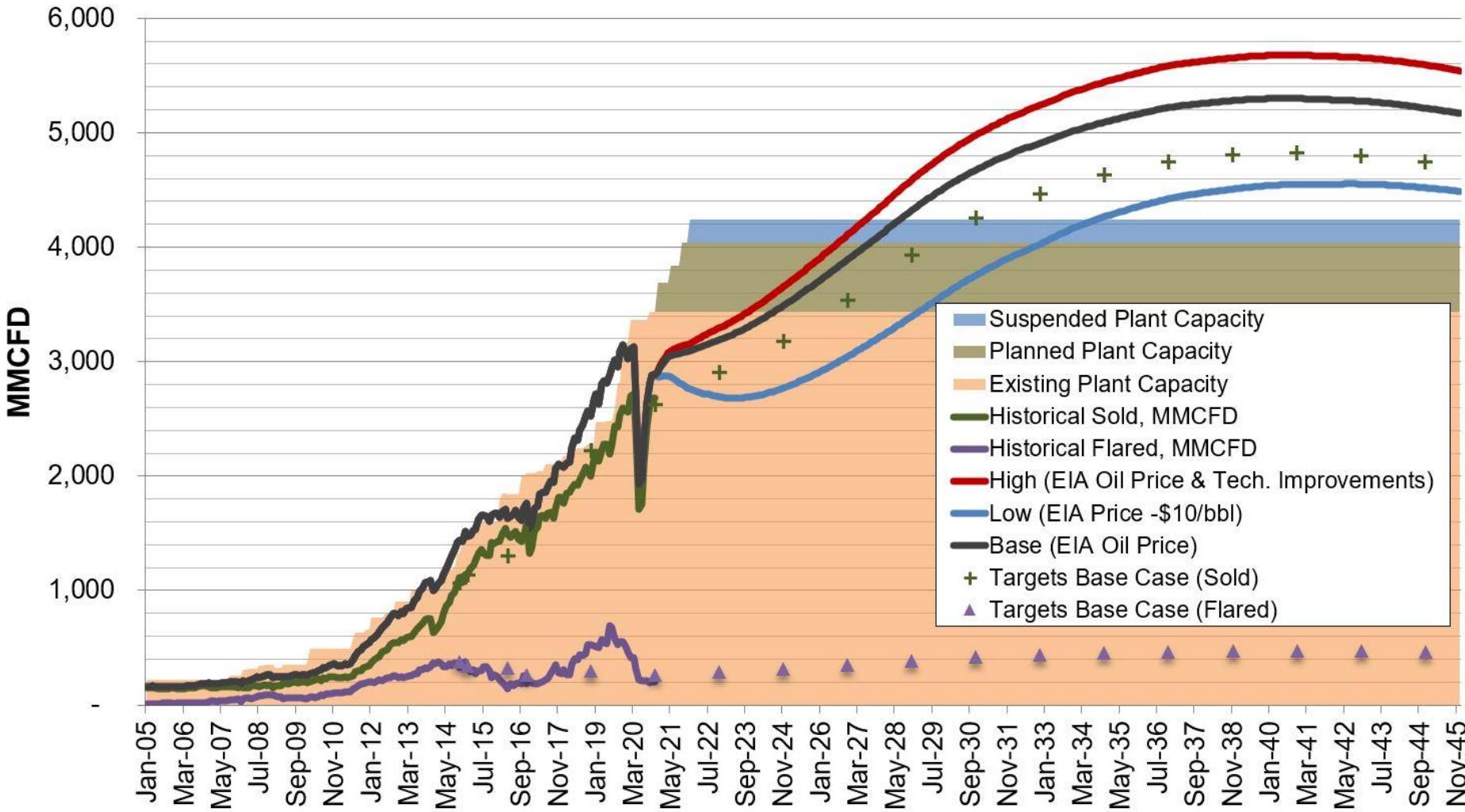
*EIA January 2021 SEO and January 2020 AEO Blend



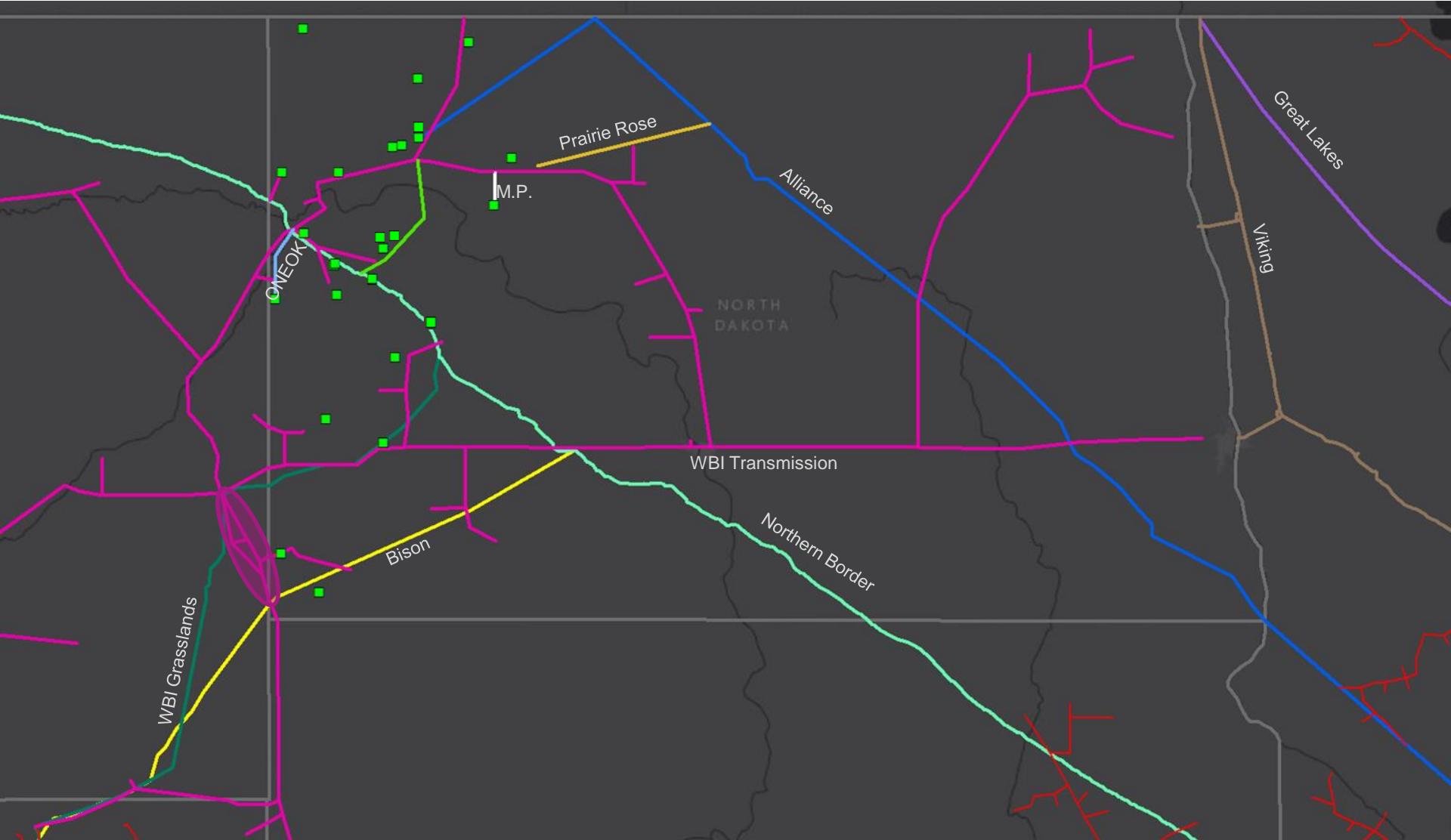
Solving the Flaring Challenge



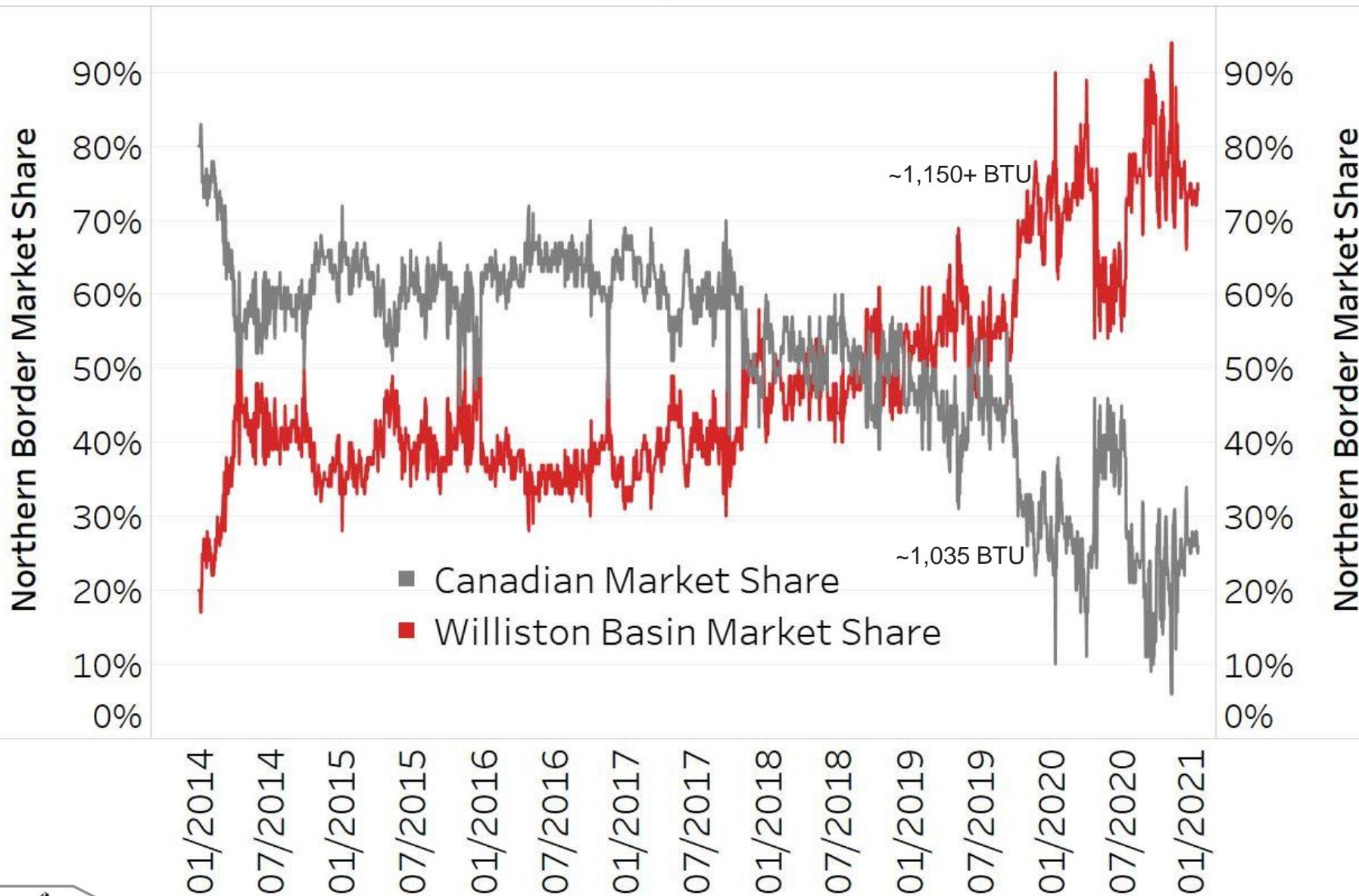
Solving the Flaring Challenge



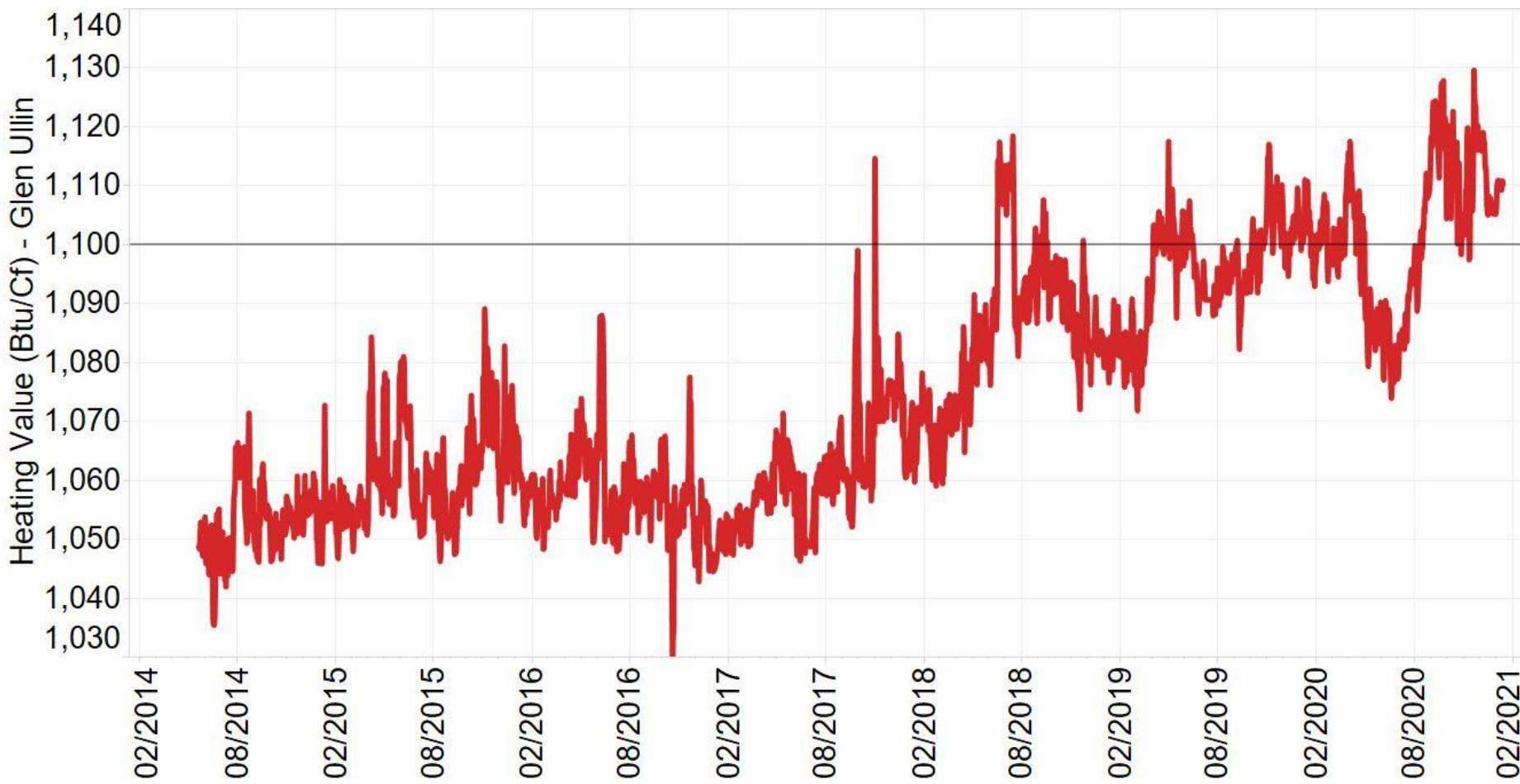
Major Gas Pipeline and Processing Infrastructure



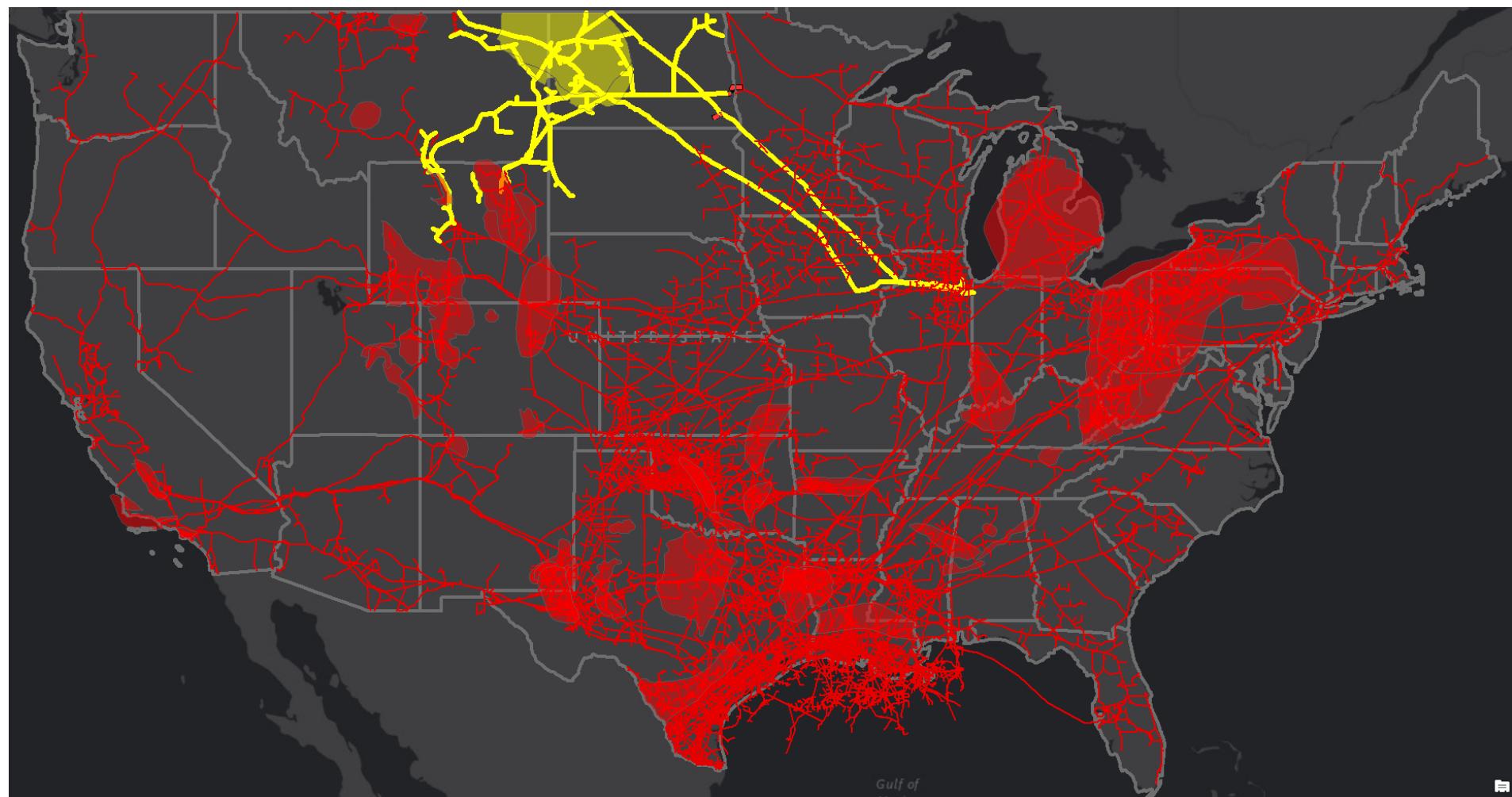
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



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



JJ Kringstad - North Dakota Pipeline Authority

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www.pipeline.nd.gov

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