



March 2021 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
March 11, 2021

US Williston Basin Oil Production - 2020

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,431,679	57,435	3,091	1,492,205
February	1,507,069	55,413	3,070	1,565,552
March	1,435,200	57,699	2,946	1,495,845
April	1,225,476	49,025	2,610	1,277,111
May	862,254	37,028	2,466	901,748
June	895,208	42,807	2,680	940,695
July	1,043,089	48,374	3,435	1,094,898
August	1,166,242	46,883	2,807	1,215,932
September	1,224,008	47,086	2,837	1,273,931
October	1,244,056	46,445	2,749	1,293,250
November	1,226,409	44,503	2,798	1,273,710
December	1,191,429	38,369	2,827	1,232,625

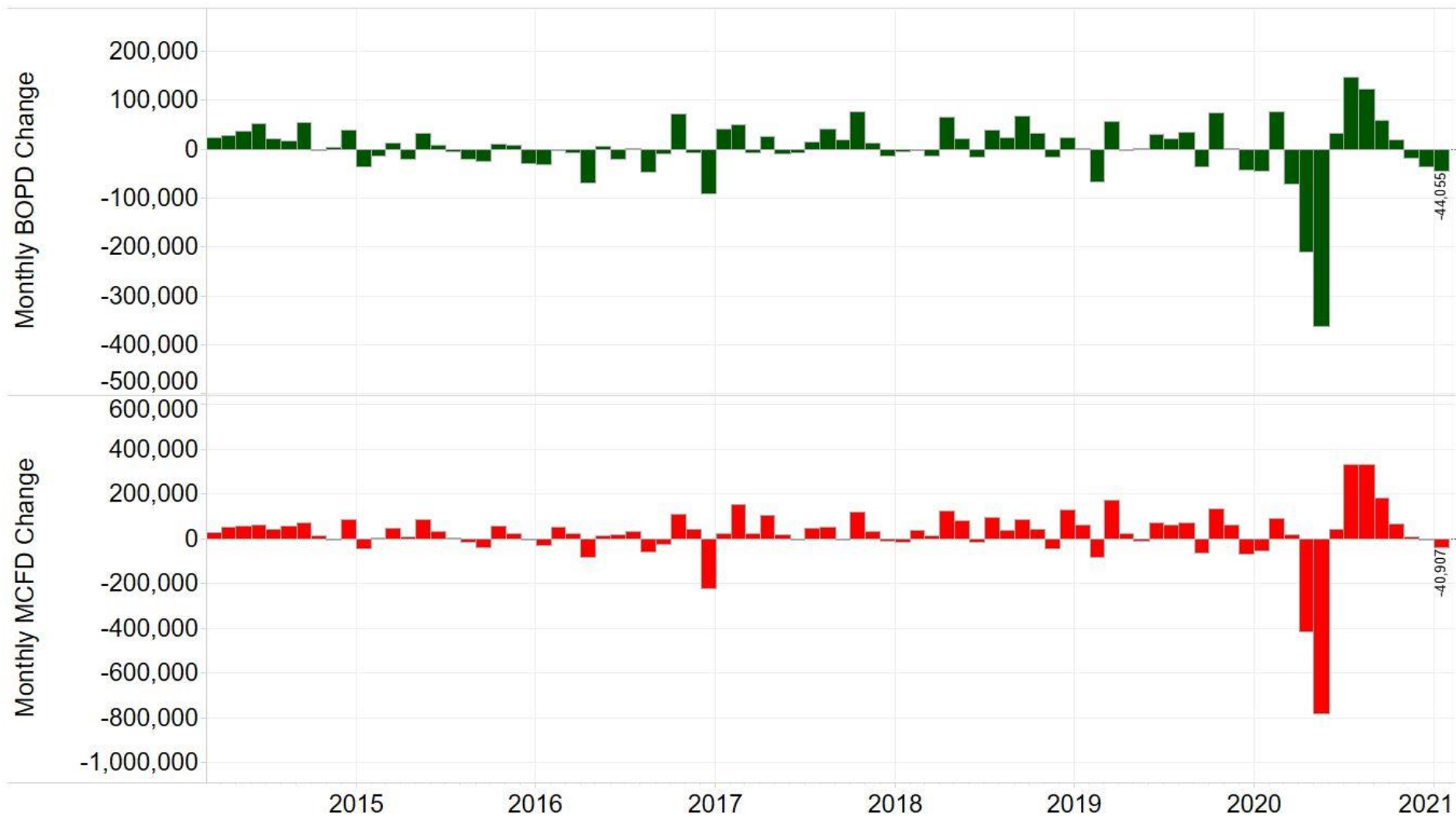


US Williston Basin Oil Production - 2021

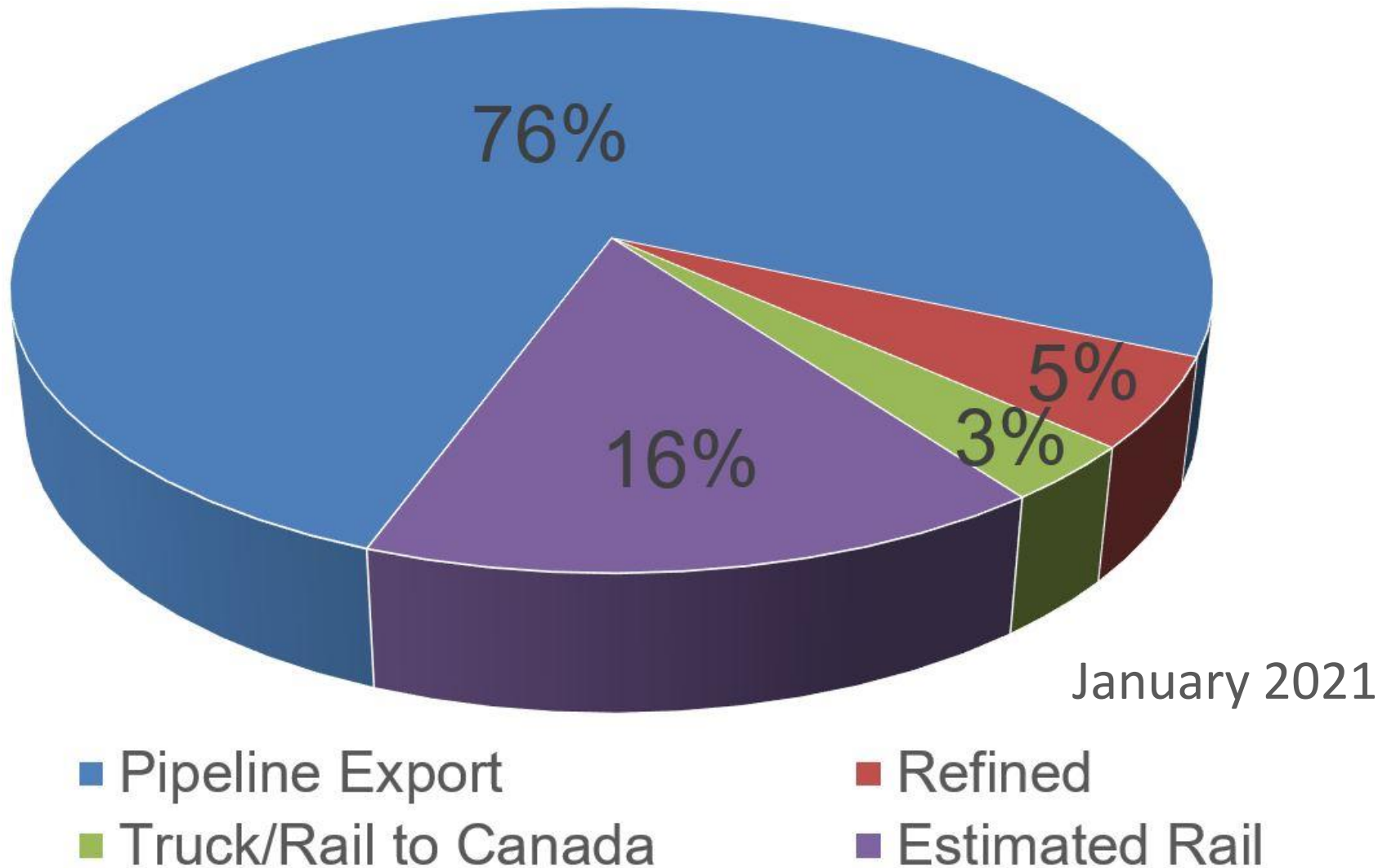
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,147,374			
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				



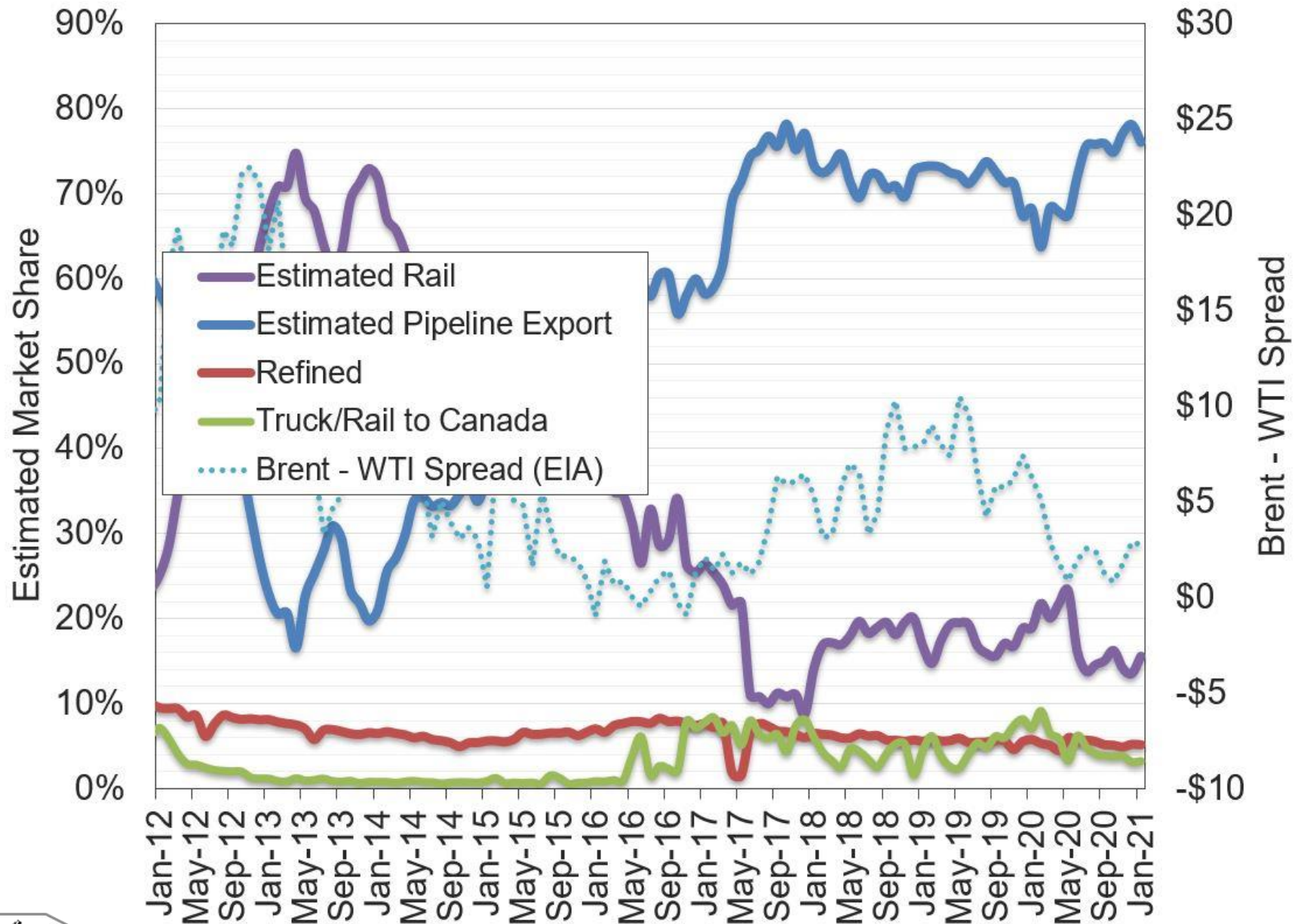
North Dakota Monthly Production Change



Estimated Williston Basin Oil Transportation



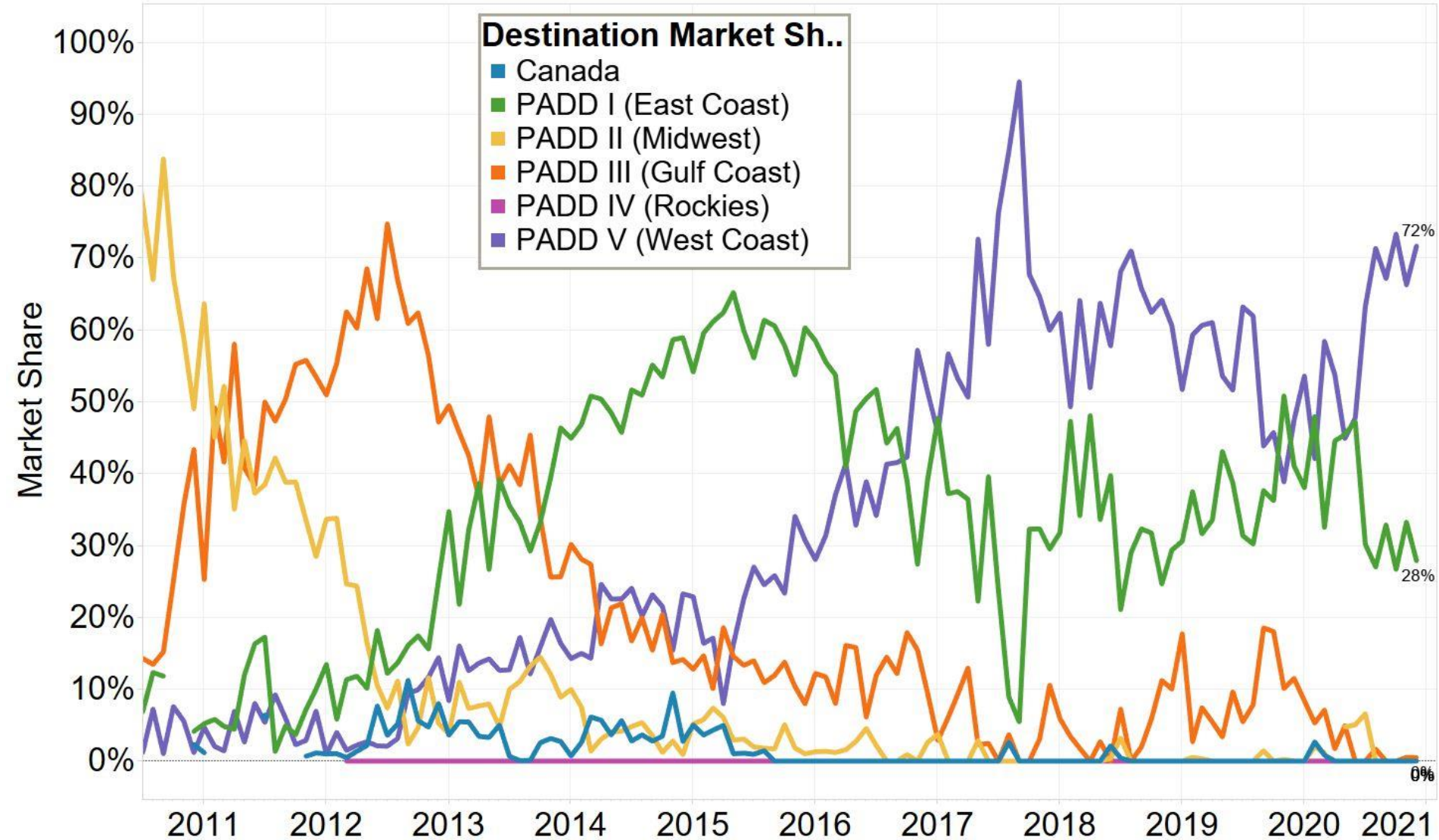
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



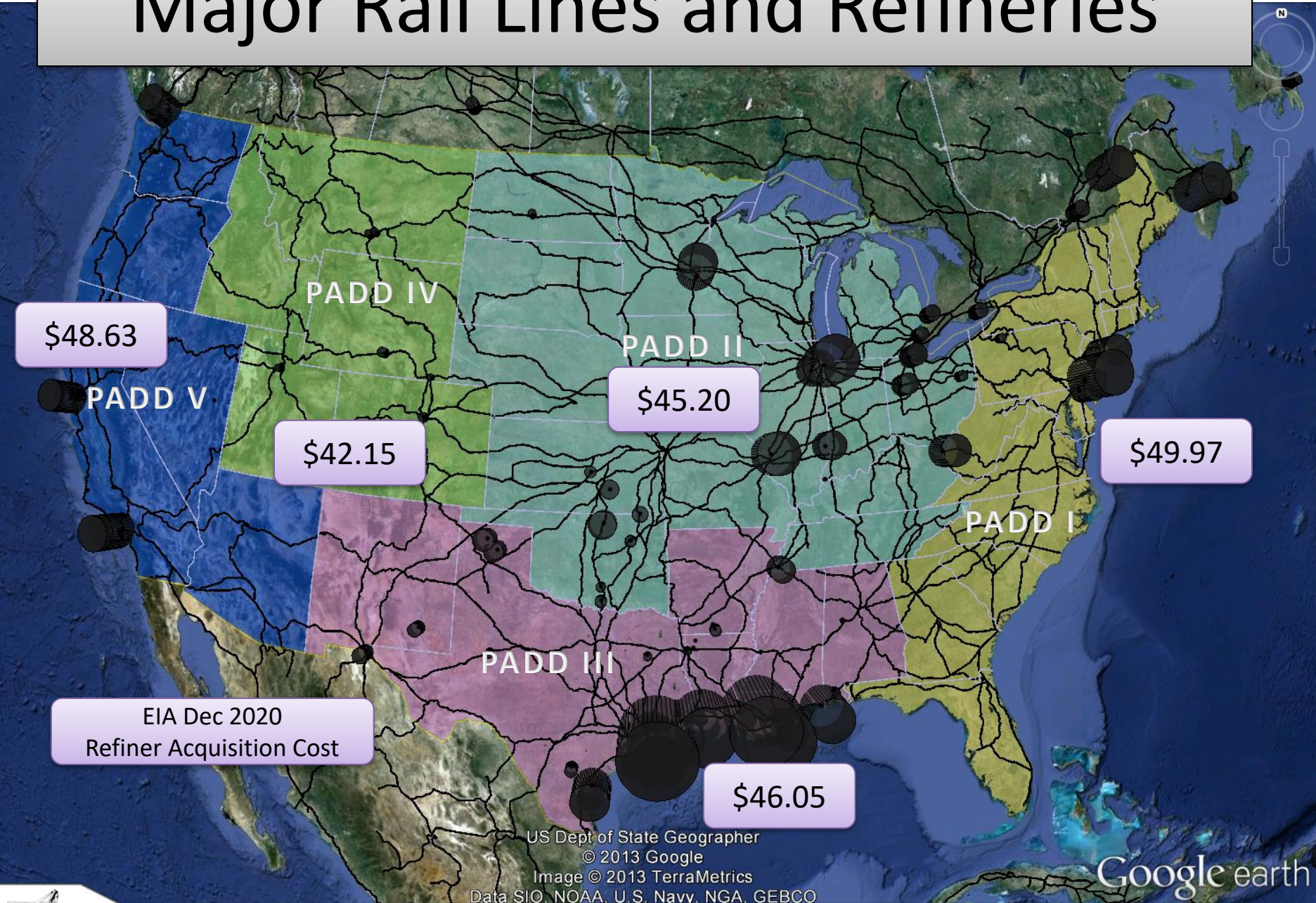
Rail Destinations Market Share (Dec. 2020)



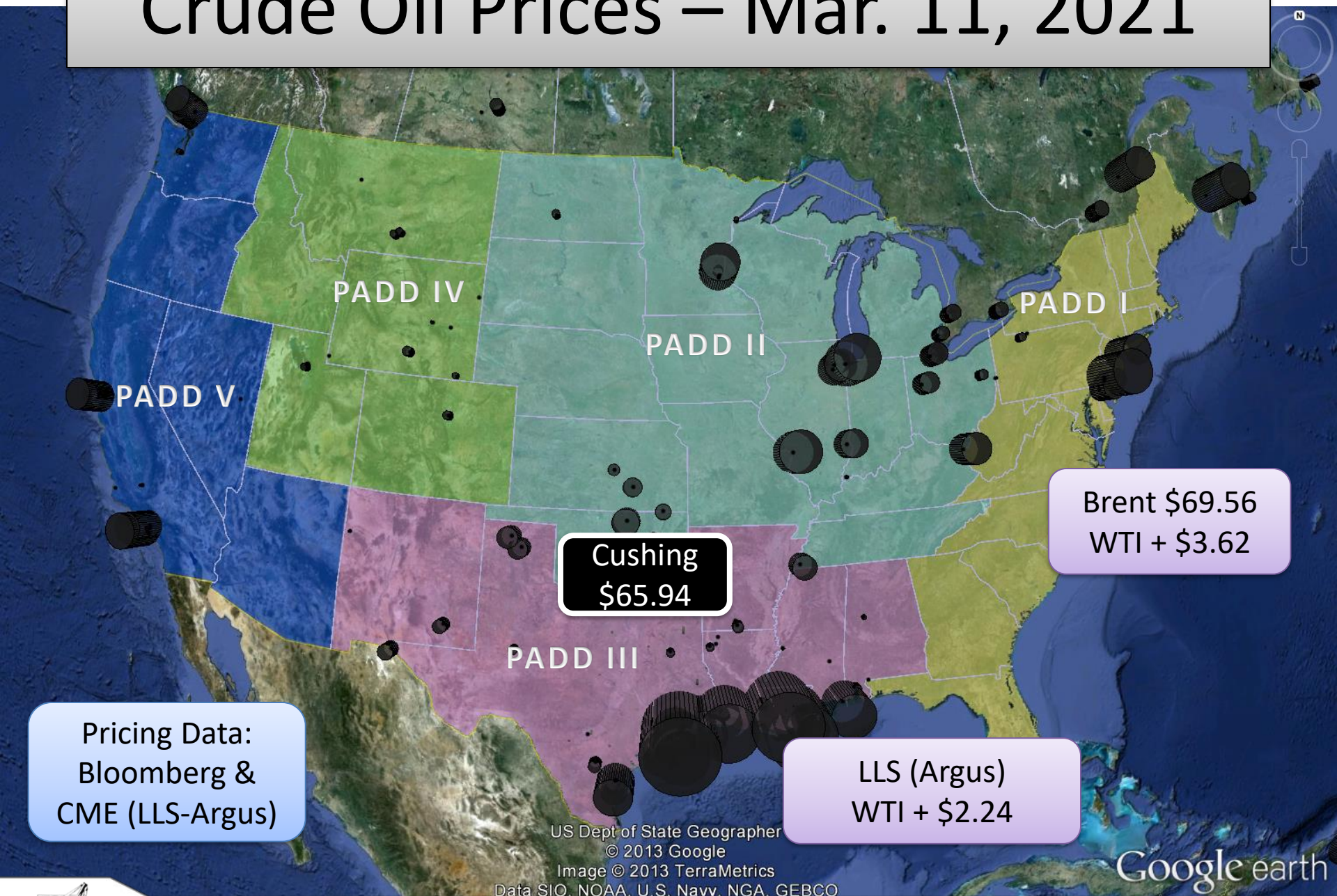
Data for Rail Destination Market Share Provided by the US Energy Information Administration



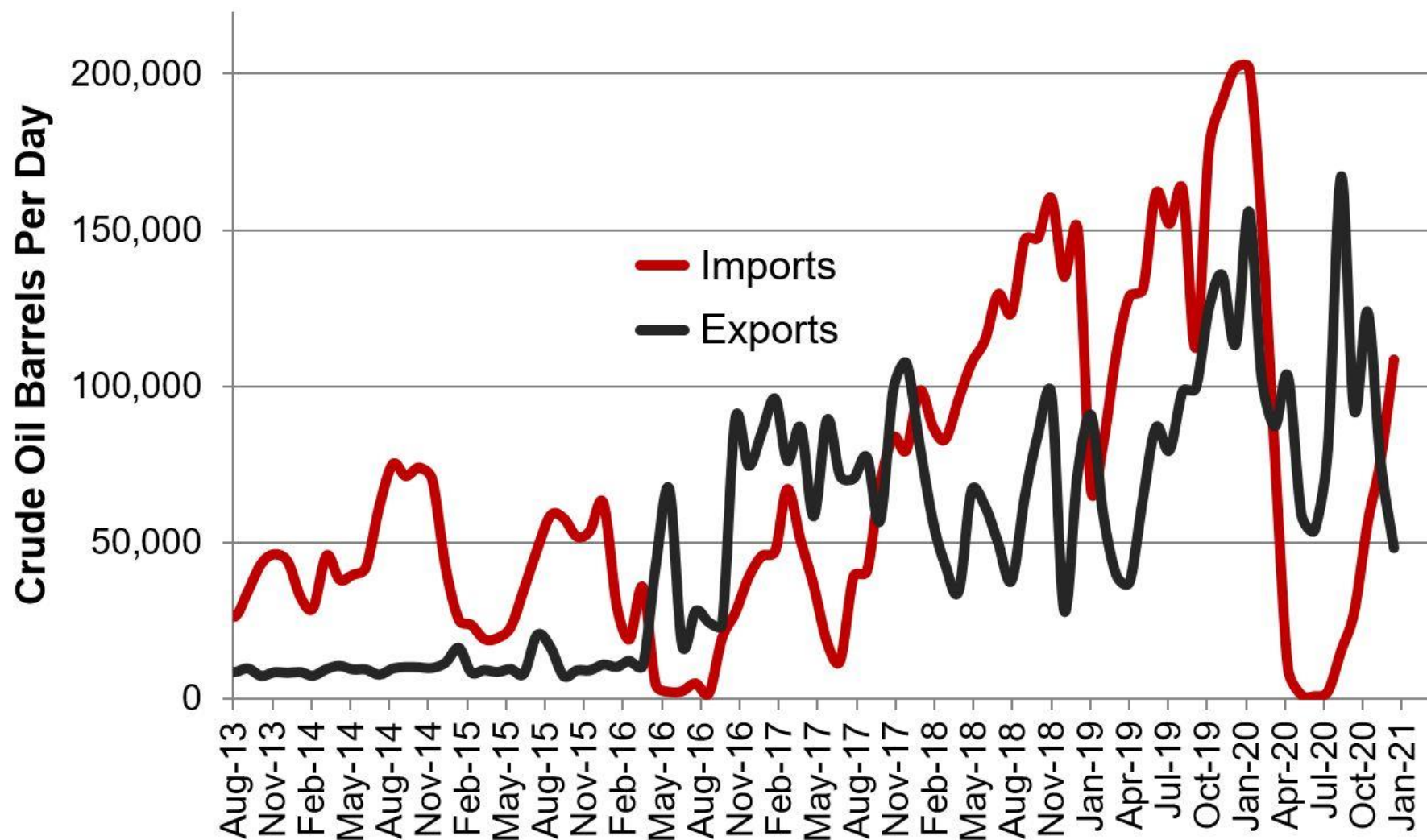
Major Rail Lines and Refineries



Crude Oil Prices – Mar. 11, 2021



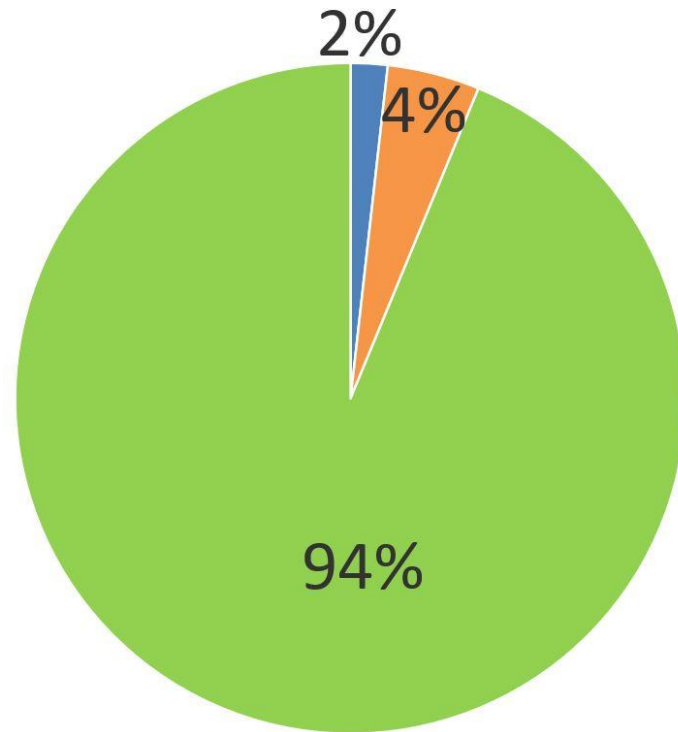
Williston Basin Truck/Rail Imports and Exports with Canada



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.

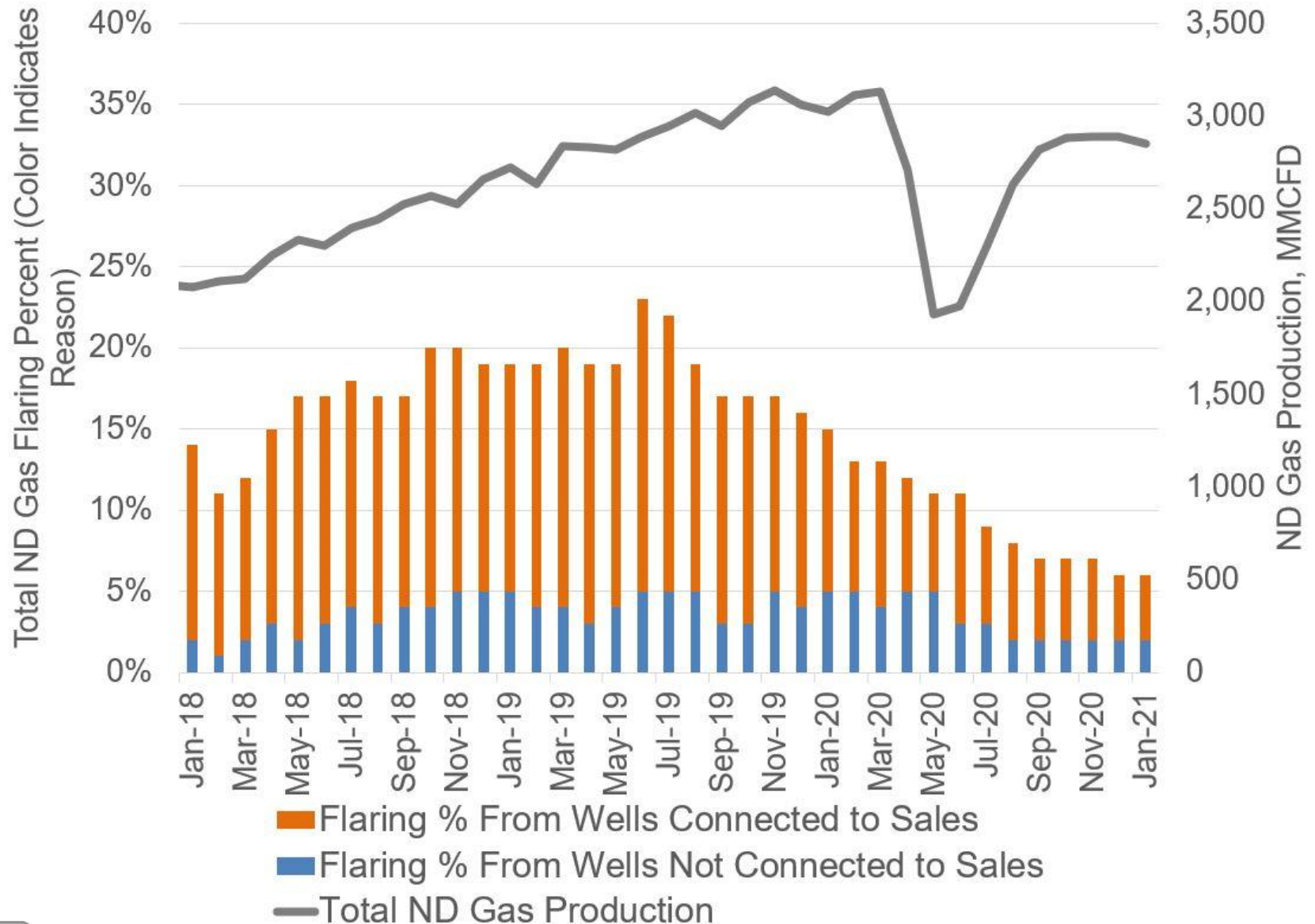
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

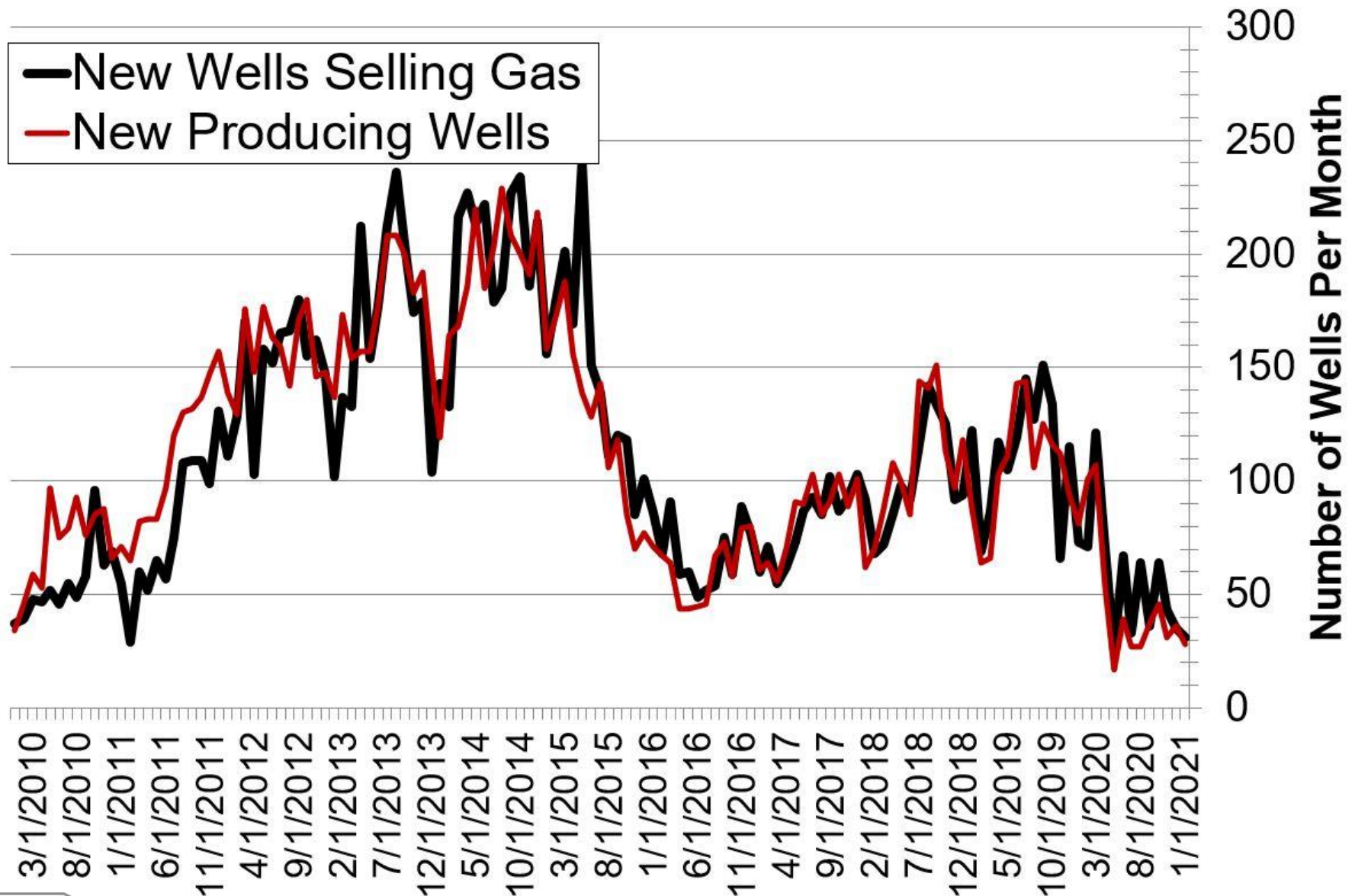
January 2021 Data – Non-Confidential Wells



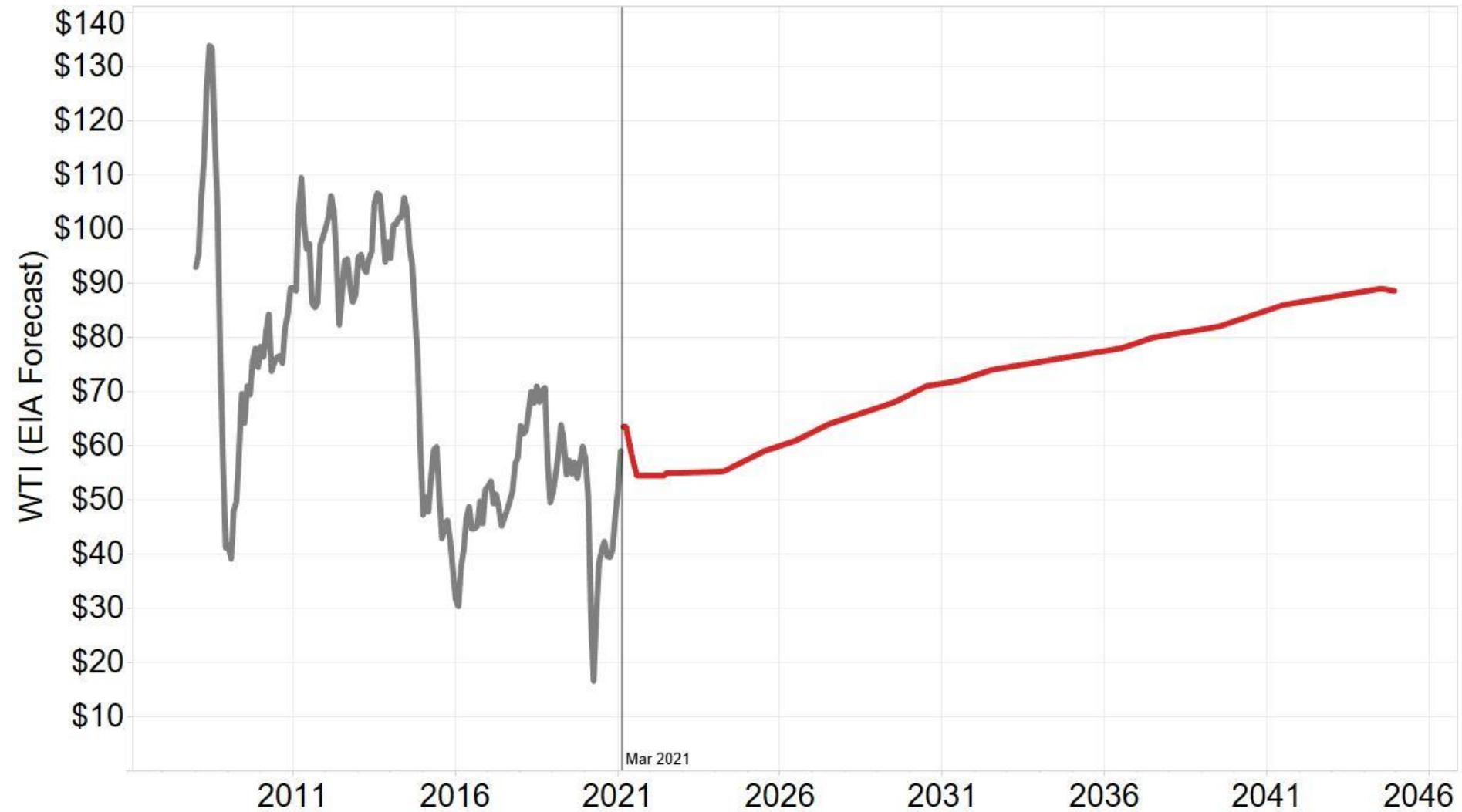
Solving the Flaring Challenge



Solving the Flaring Challenge



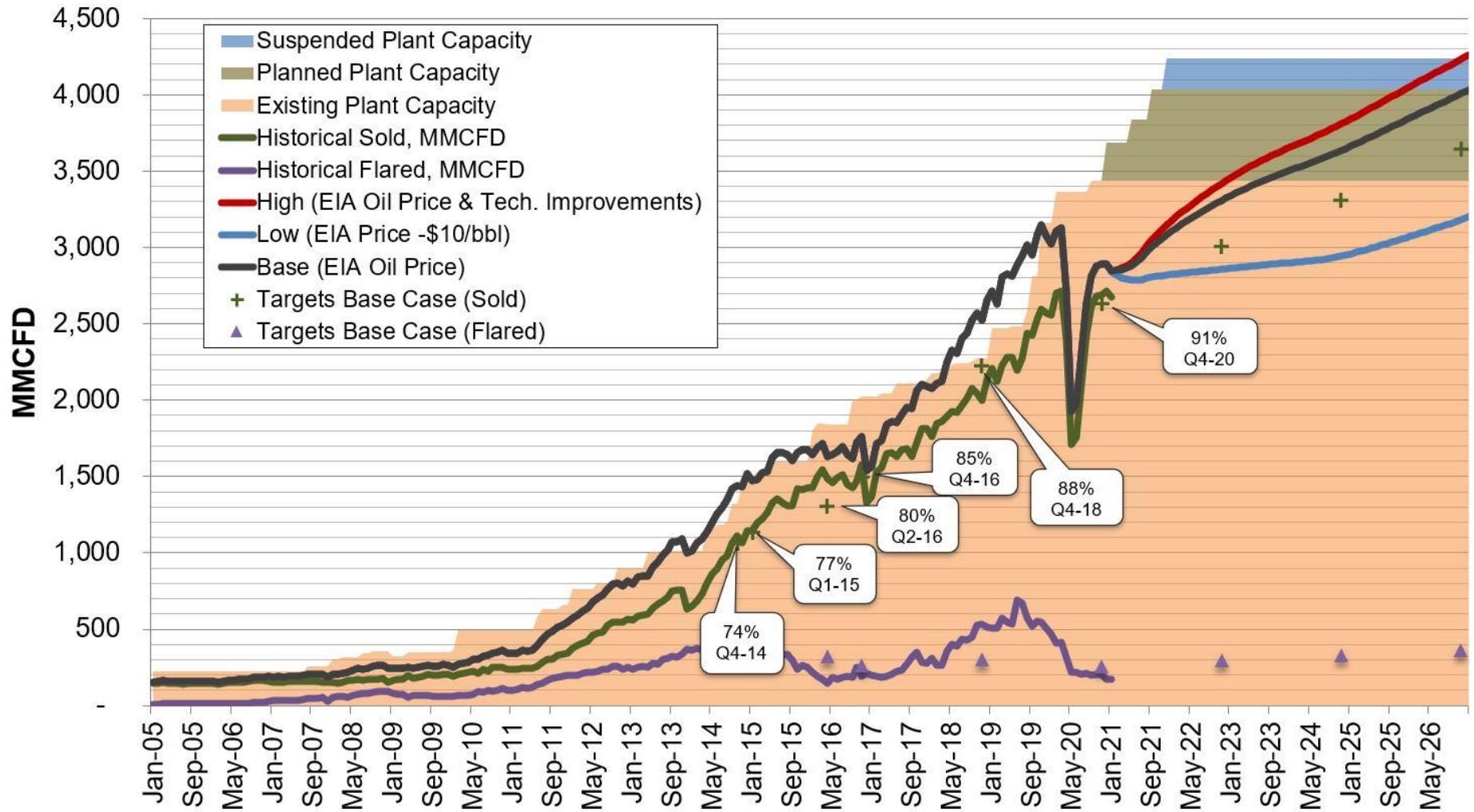
EIA Oil Price Forecast*



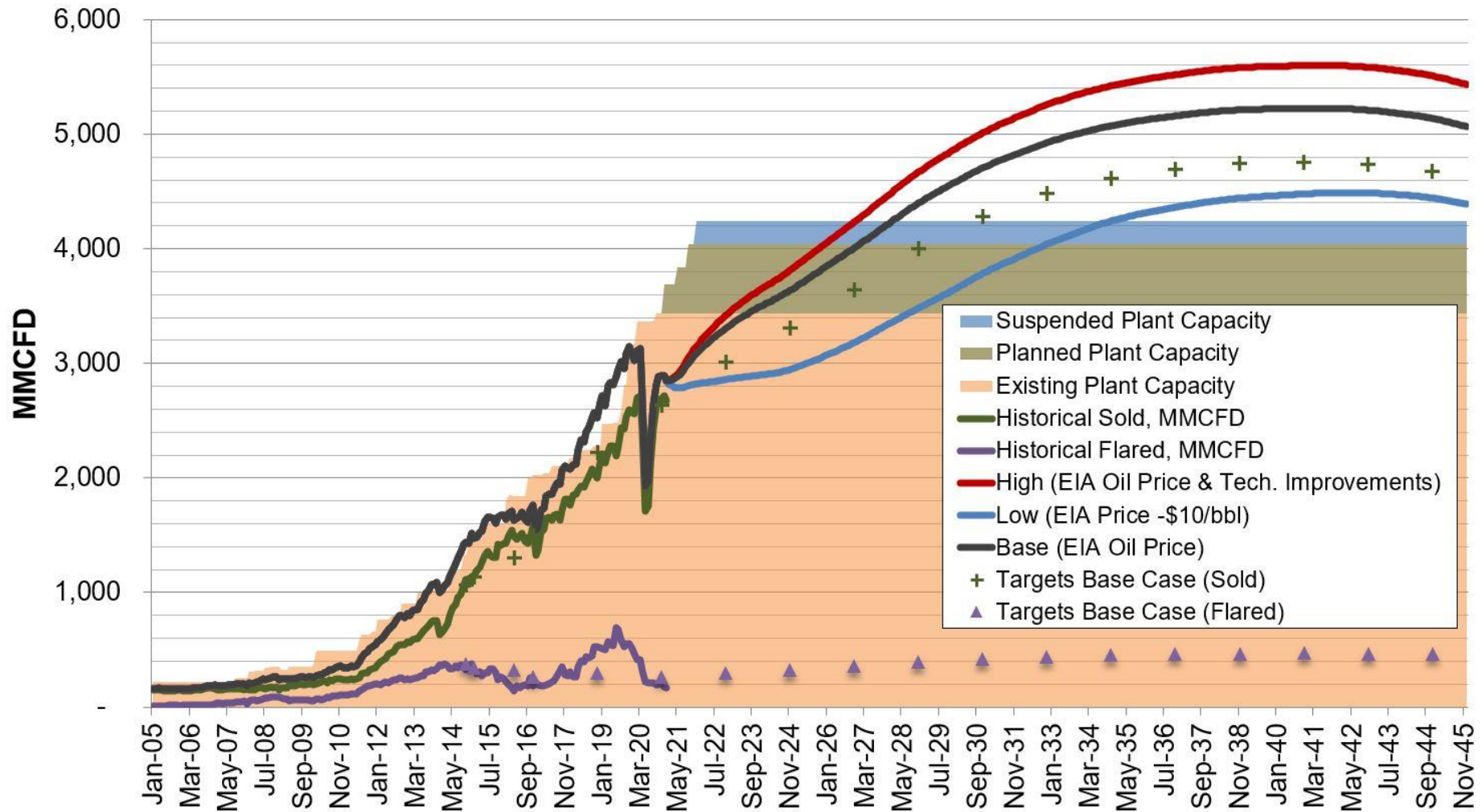
**EIA March 2021 SEO and February 2021 AEO Blend*



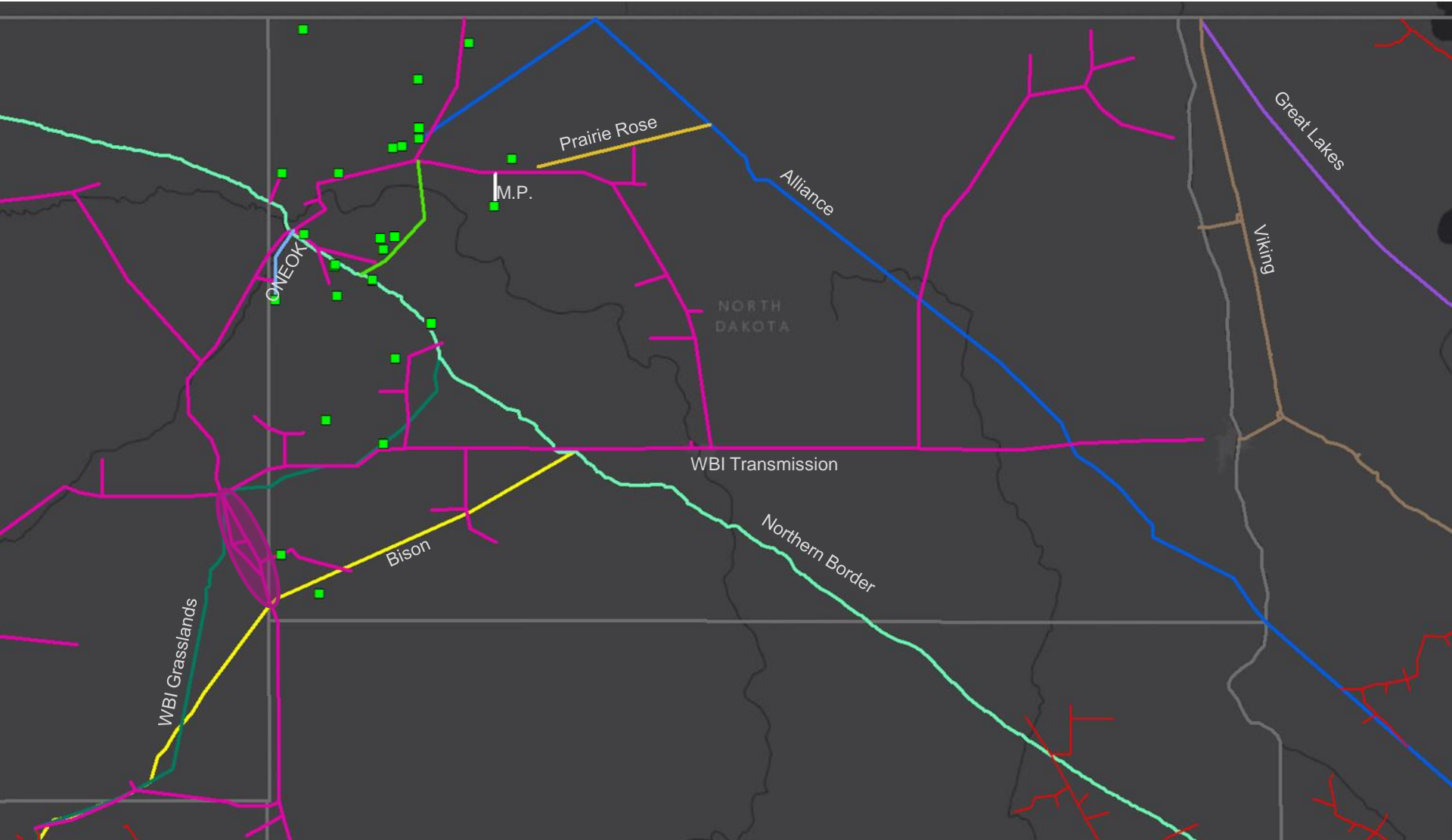
Solving the Flaring Challenge



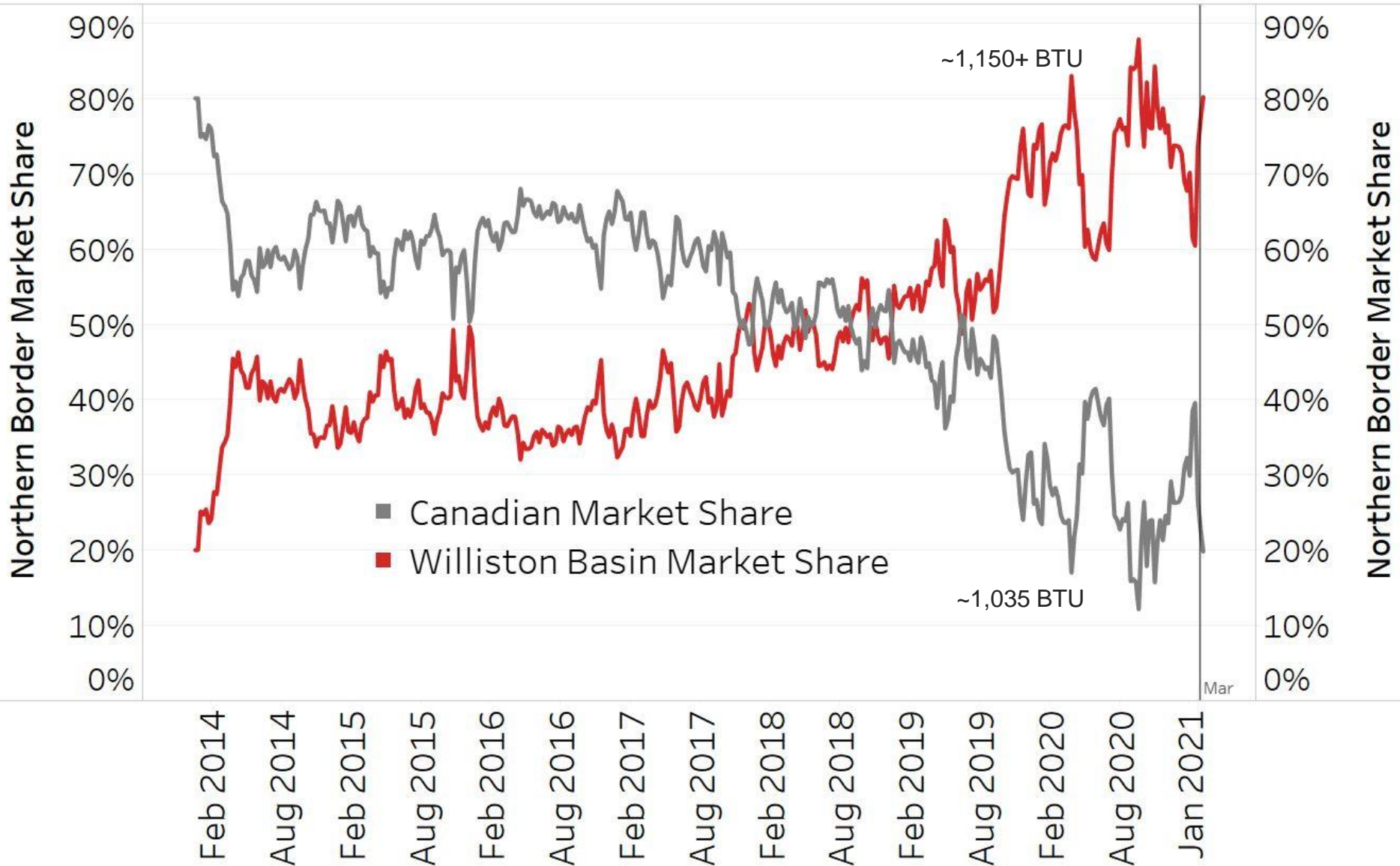
Solving the Flaring Challenge



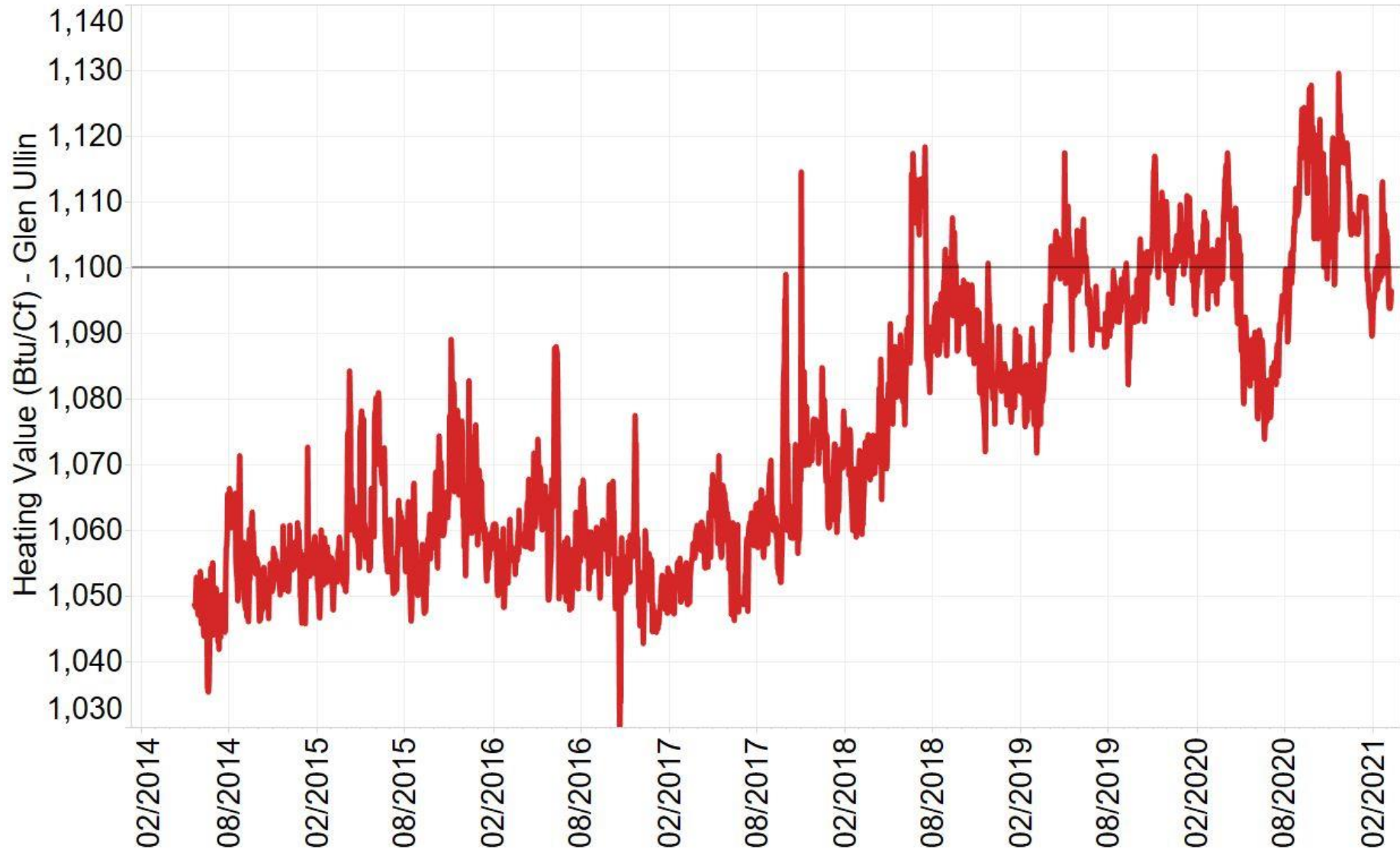
Major Gas Pipeline and Processing Infrastructure



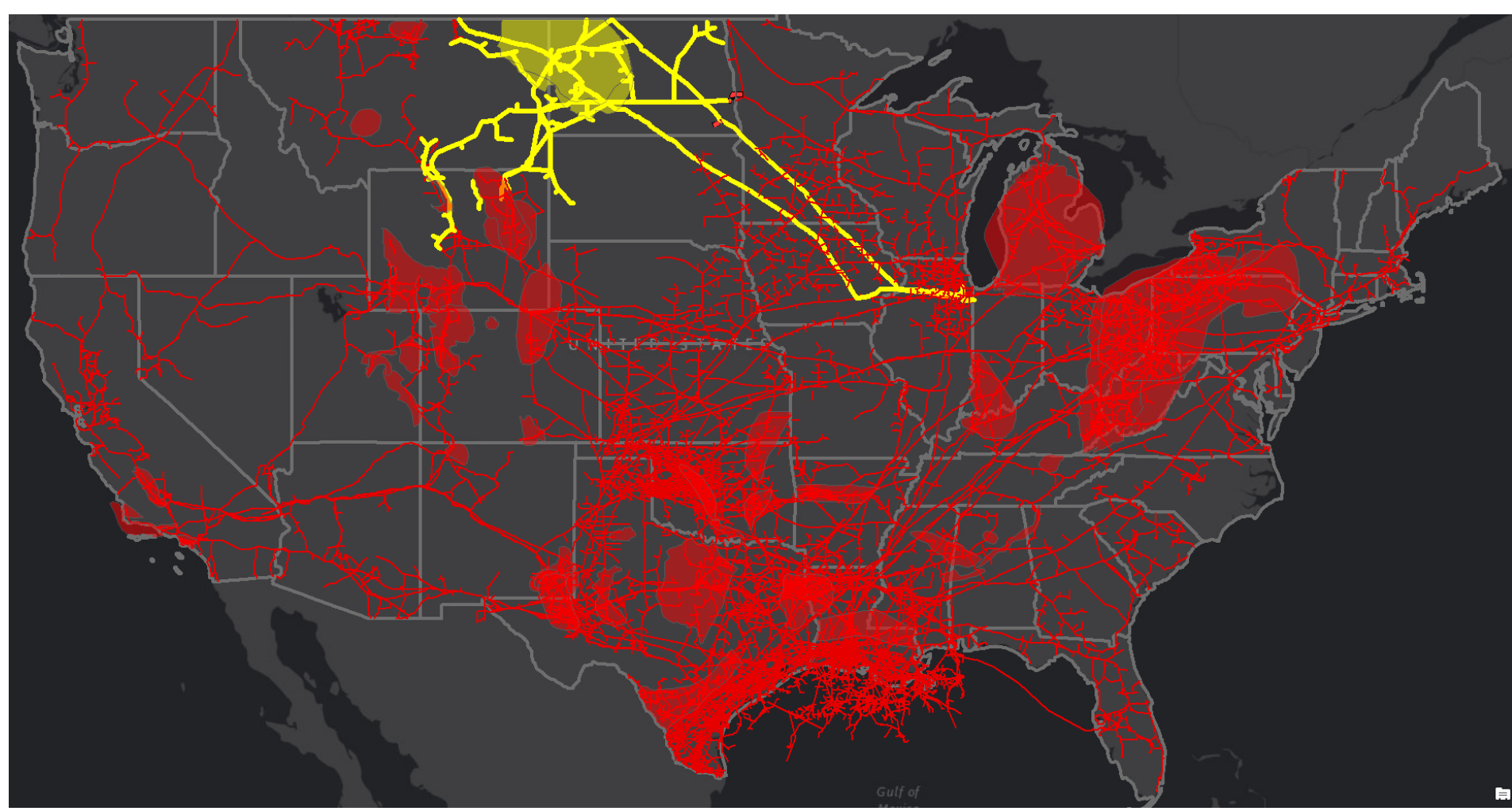
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



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