



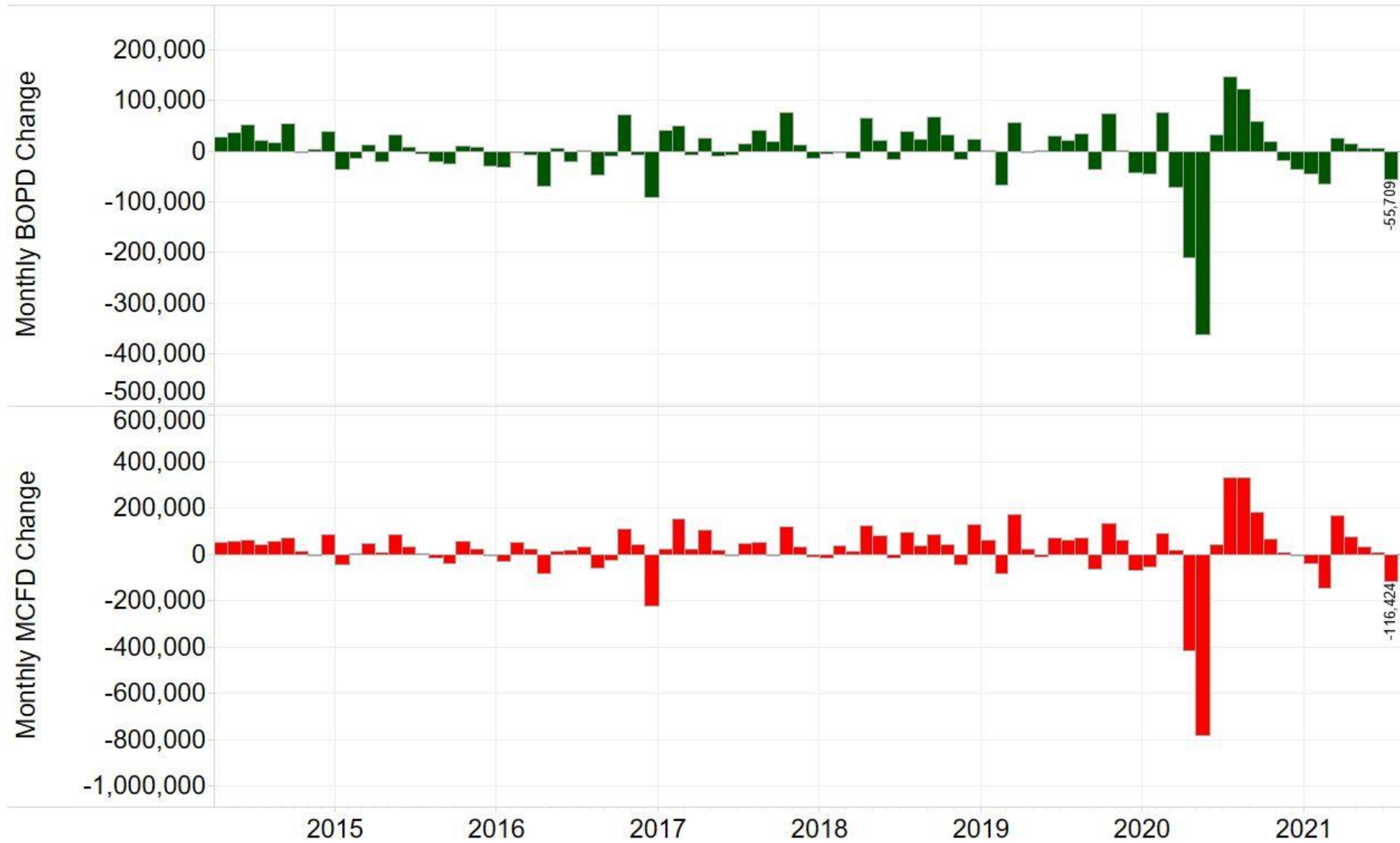
September 2021 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
September 17, 2021

US Williston Basin Oil Production - 2021

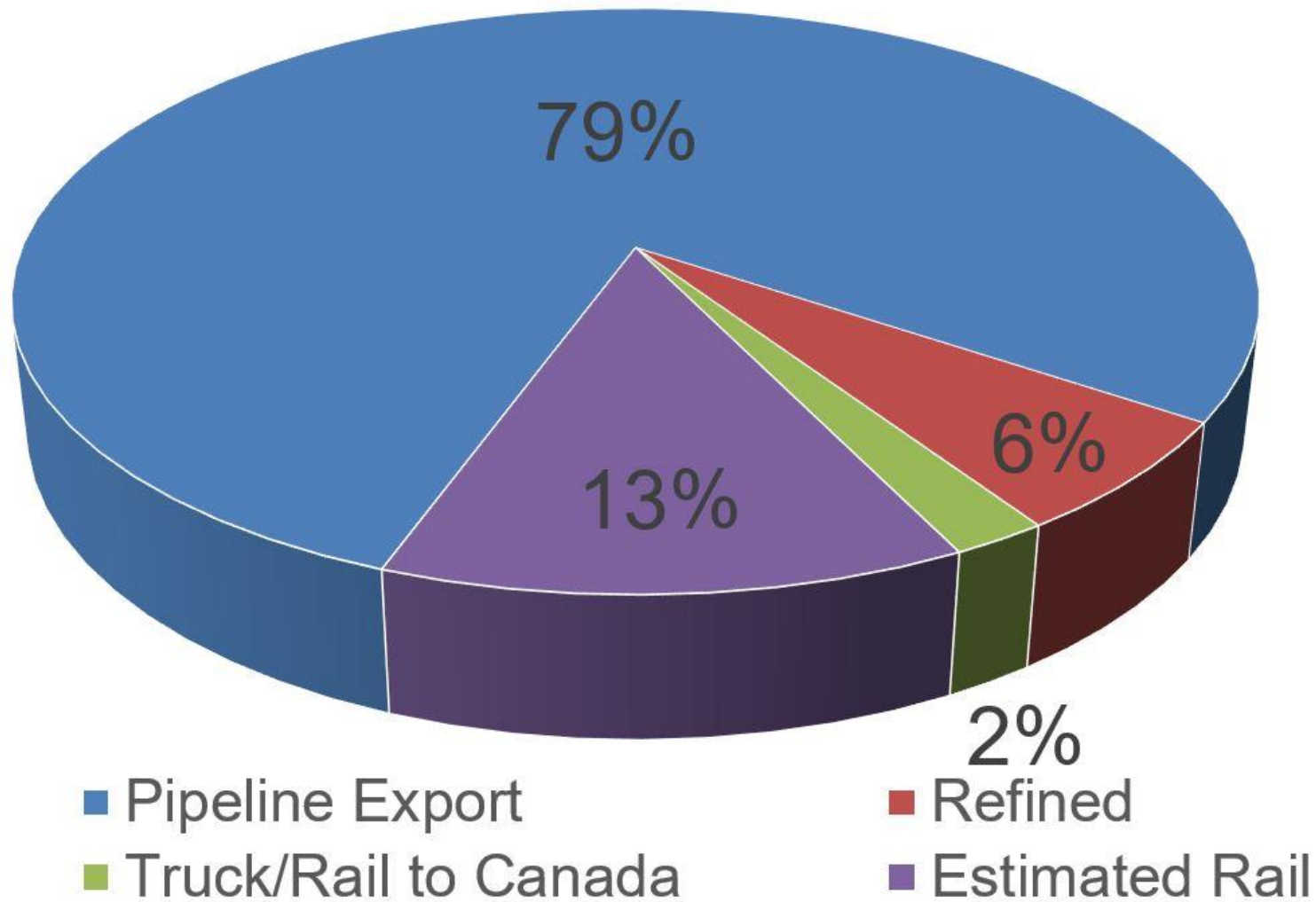
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,147,464	50,140	2,874	1,200,477
February	1,083,716	47,956	2,828	1,134,500
March	1,108,918	49,262	2,744	1,160,924
April	1,123,166	48,182	2,644	1,173,993
May	1,128,042	46,597	2,640	1,177,280
June	1,133,498	43,408	3,103	1,180,009
July	1,077,789			
August				
September				
October				
November				
December				



North Dakota Monthly Production Change



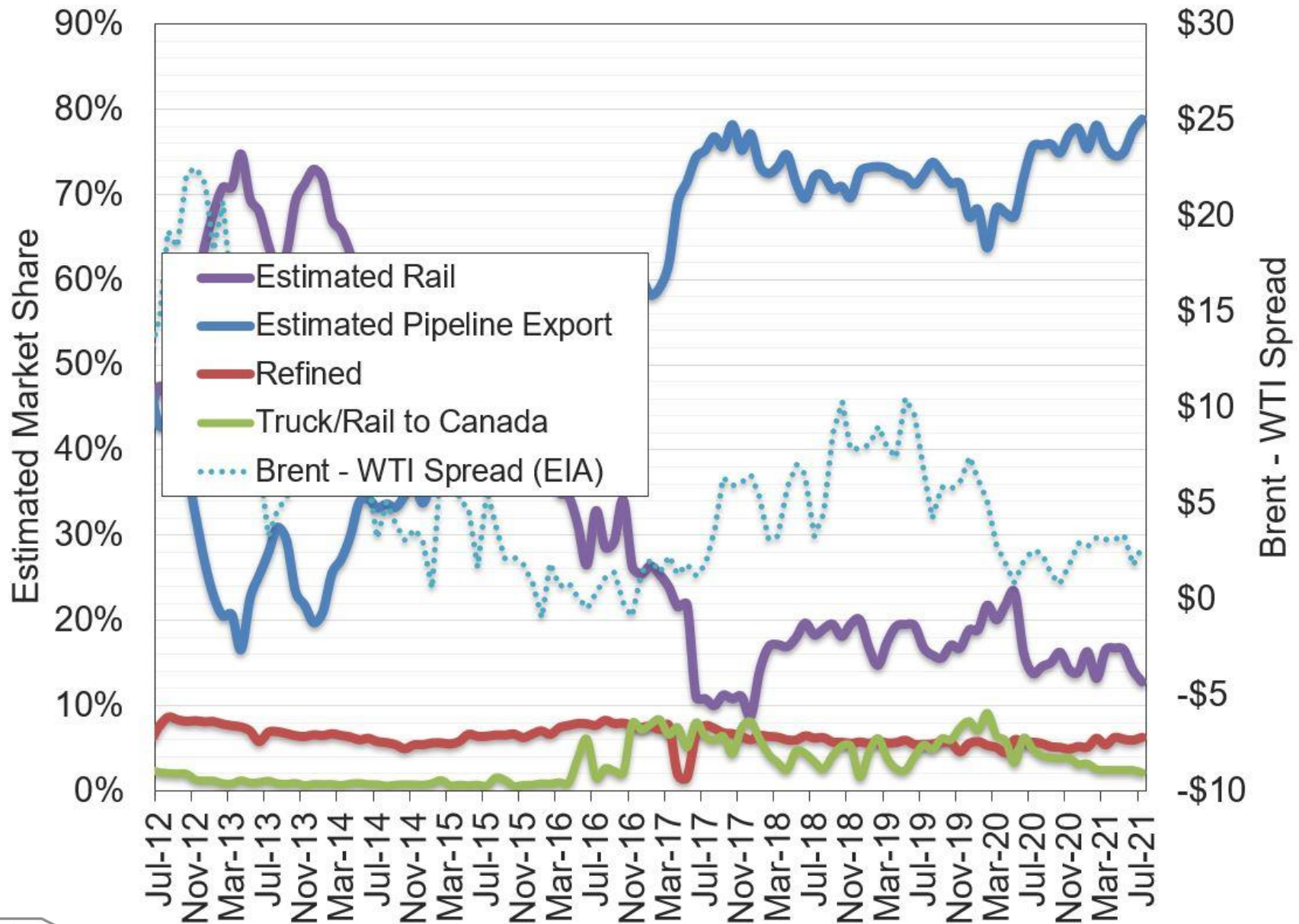
Estimated Williston Basin Oil Transportation



July 2021 ⁴



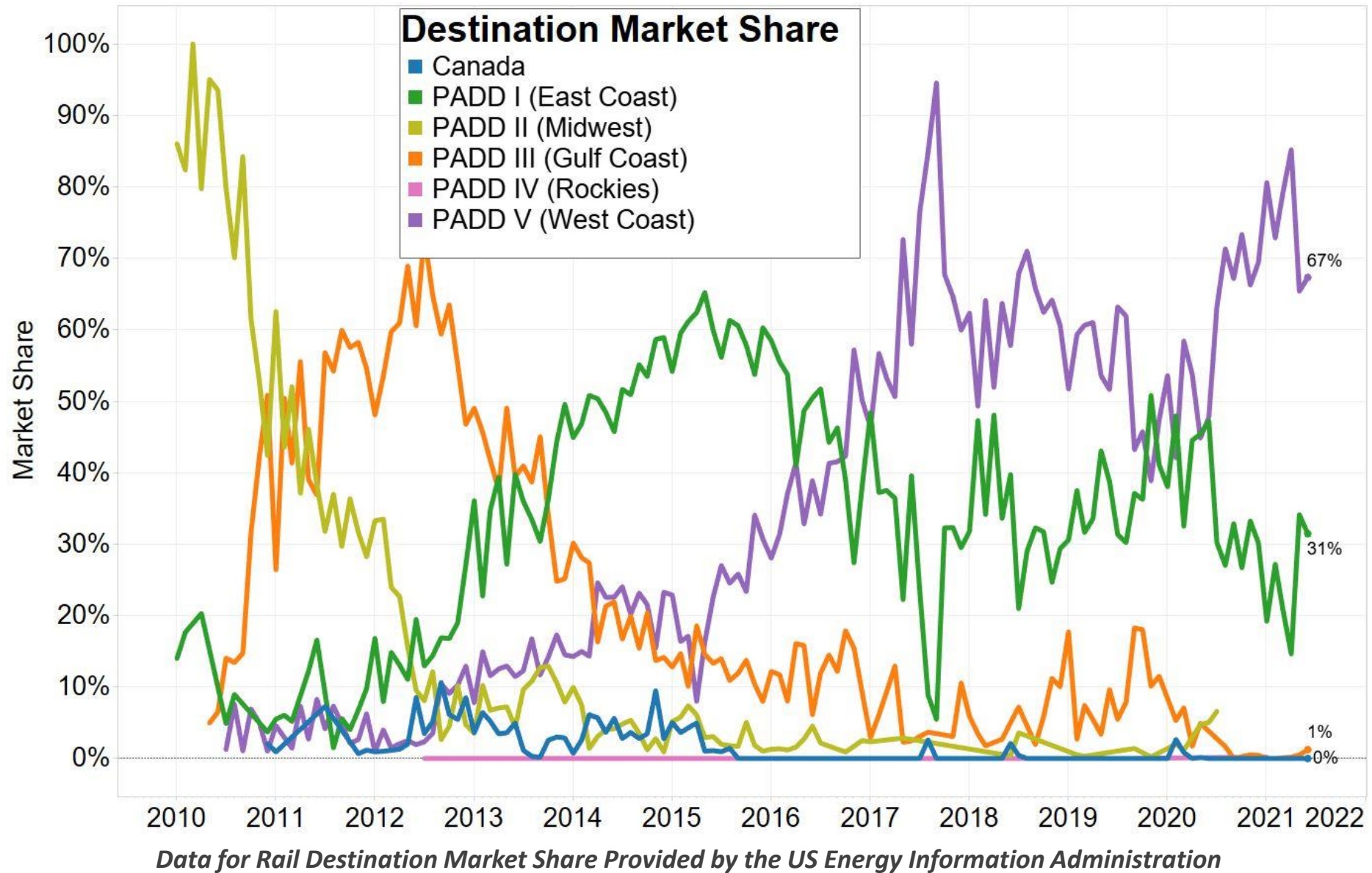
Estimated Williston Basin Oil Transportation



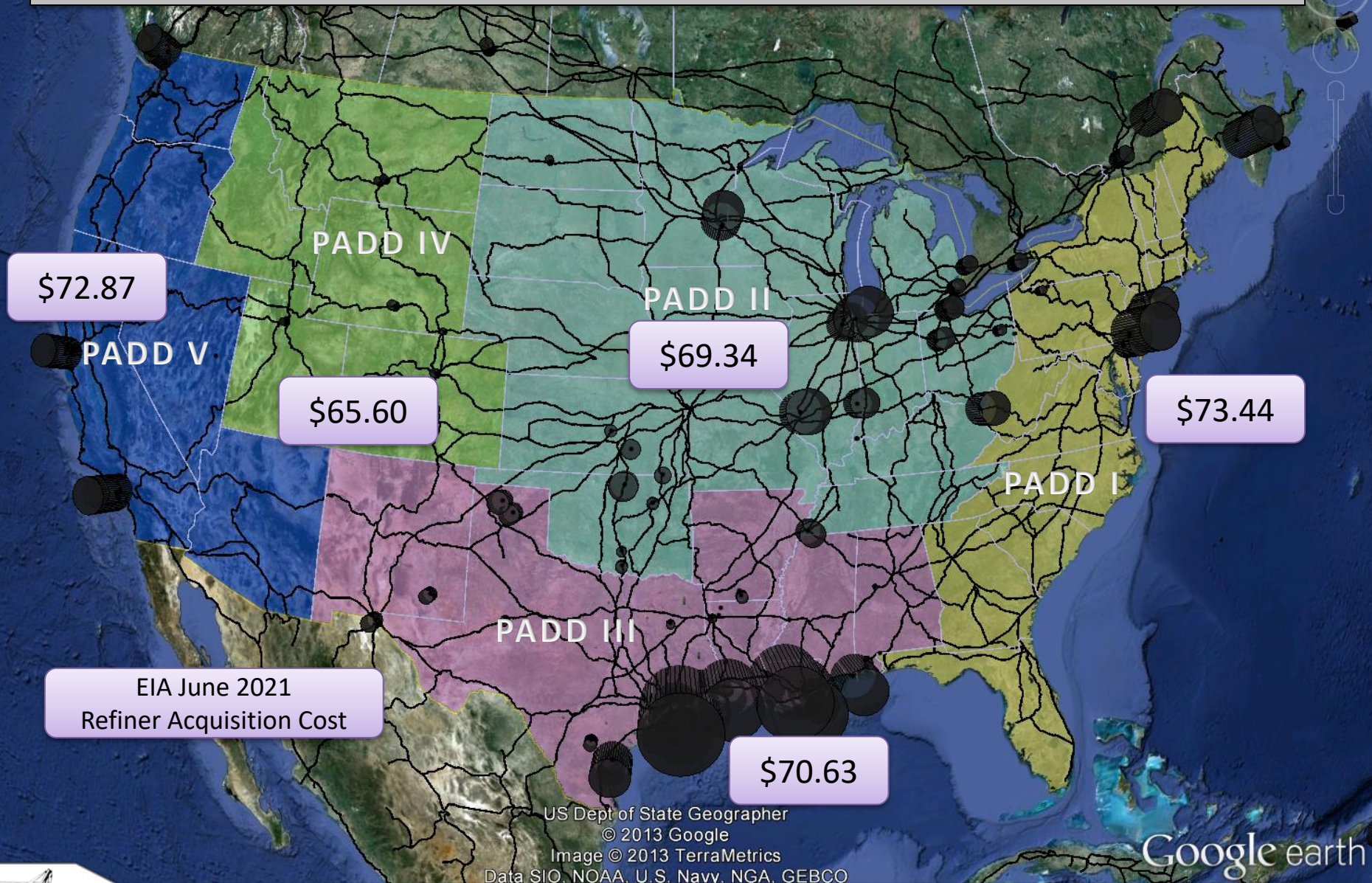
Estimated ND Rail Export Volumes



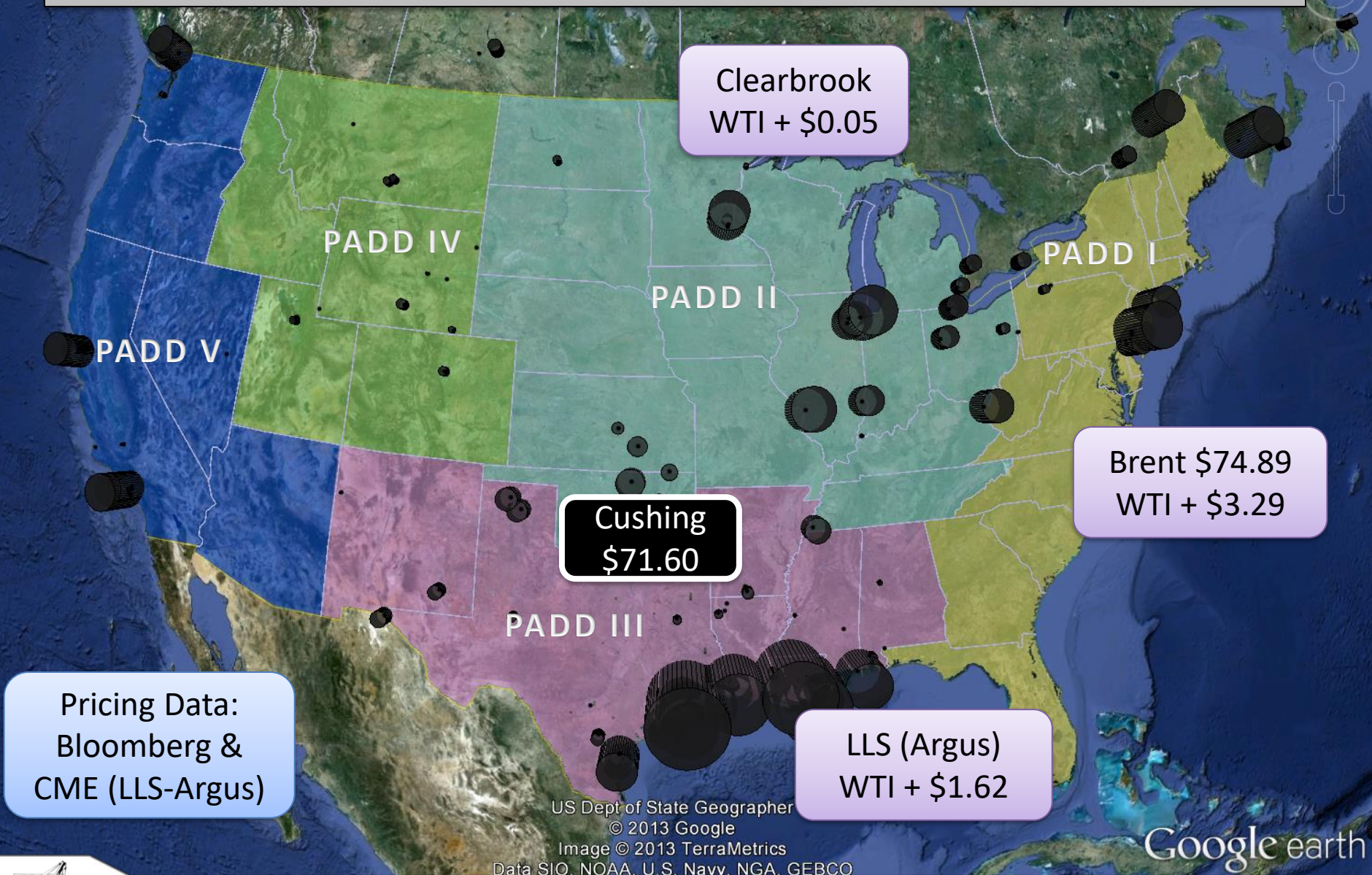
Rail Destinations Market Share (June 2021)



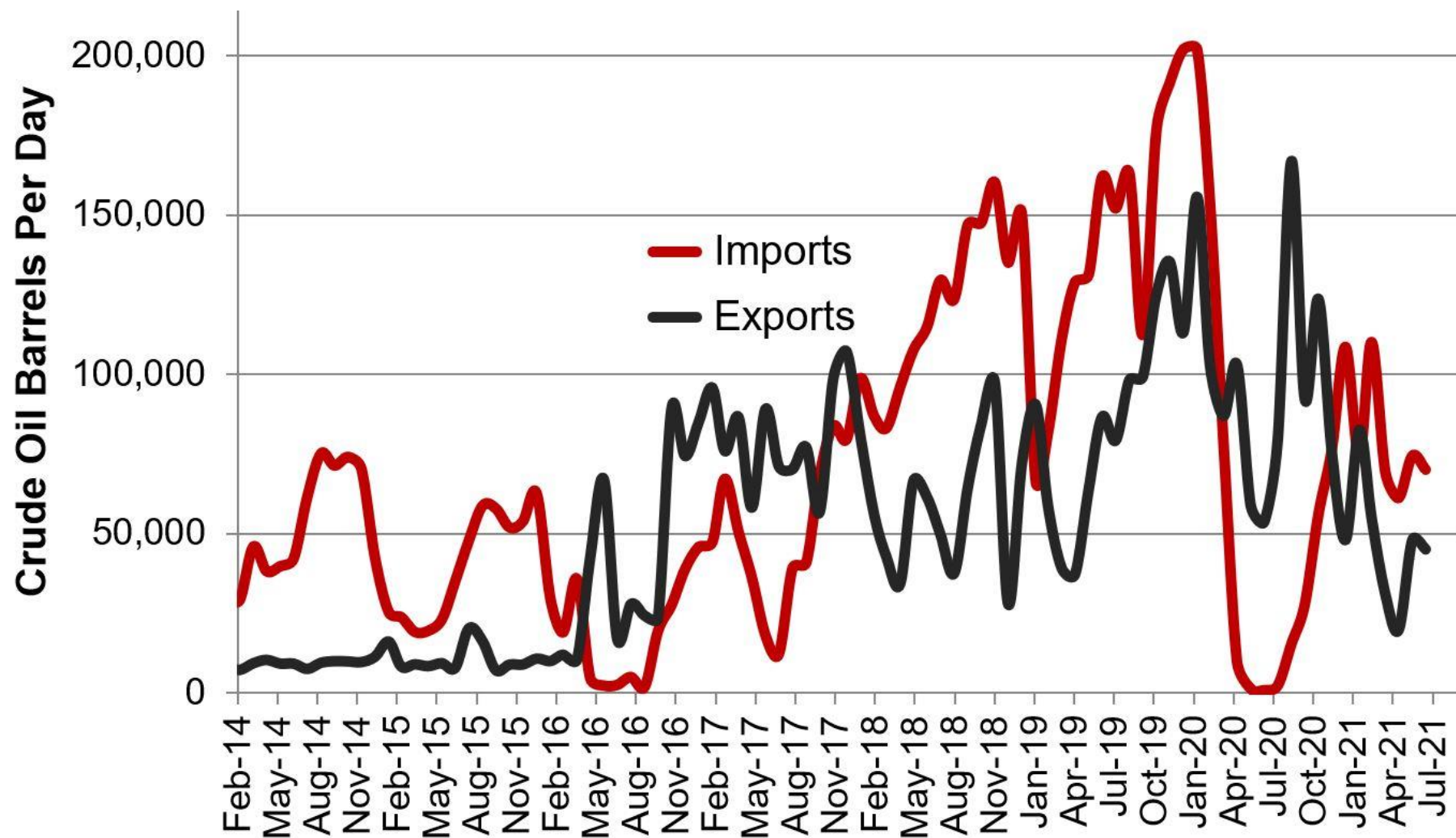
Major Rail Lines and Refineries



Crude Oil Prices – Sep. 17, 2021



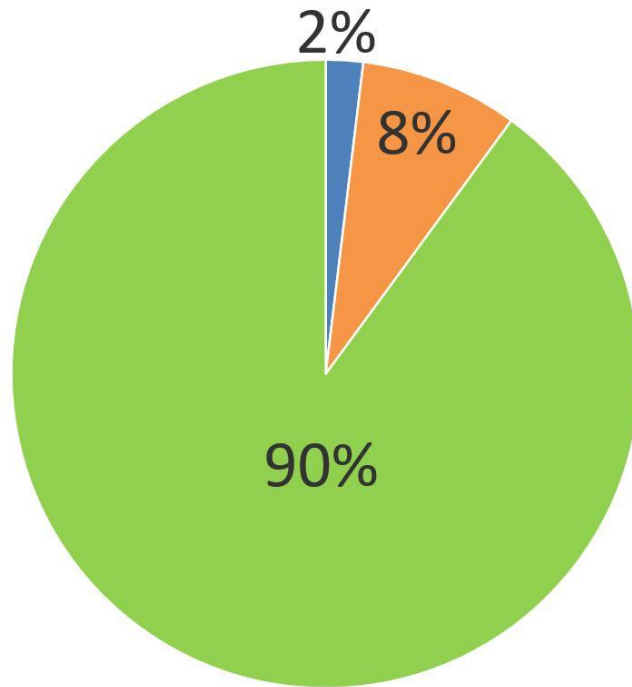
Williston Basin Truck/Rail Imports and Exports with Canada



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.

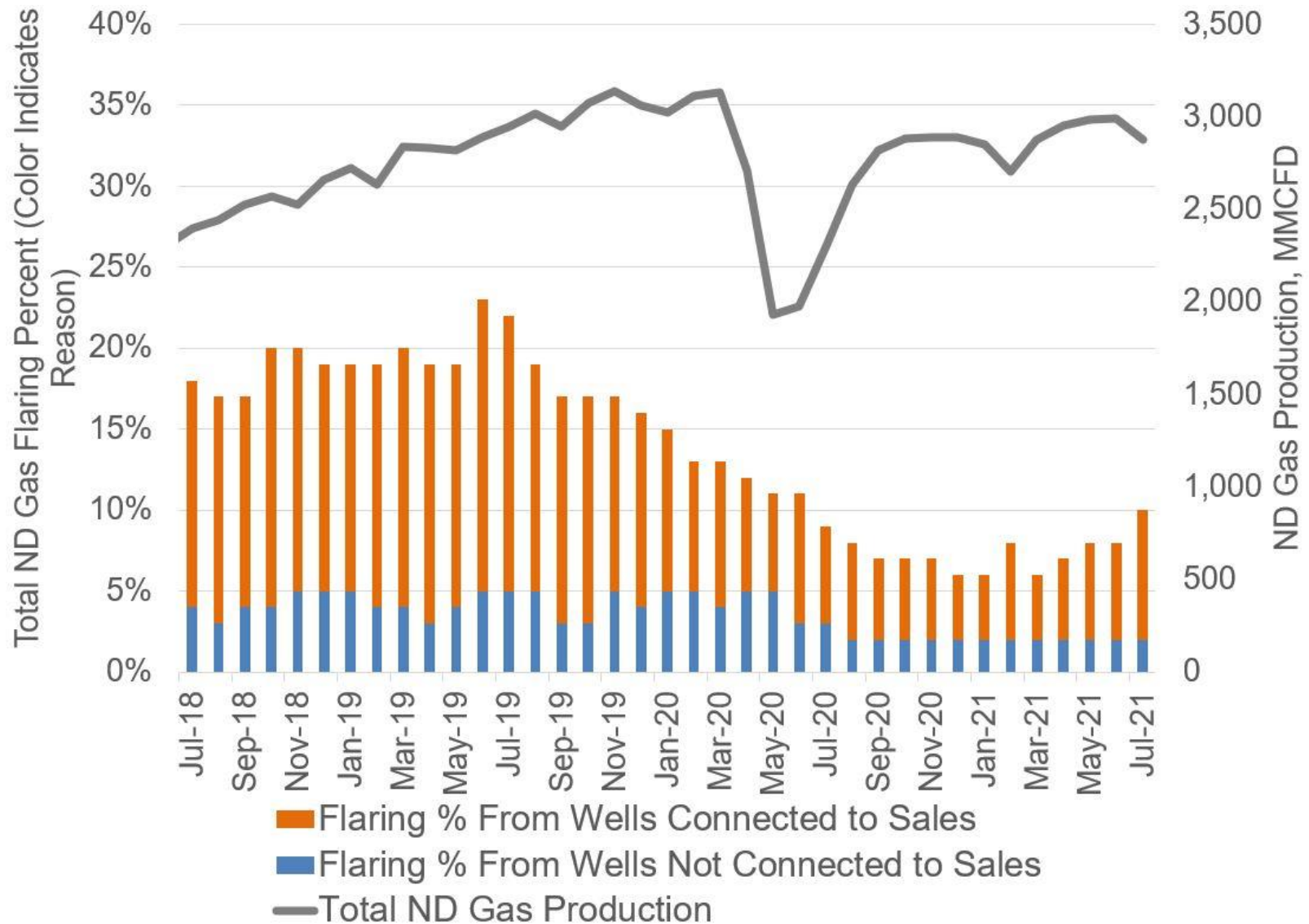
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

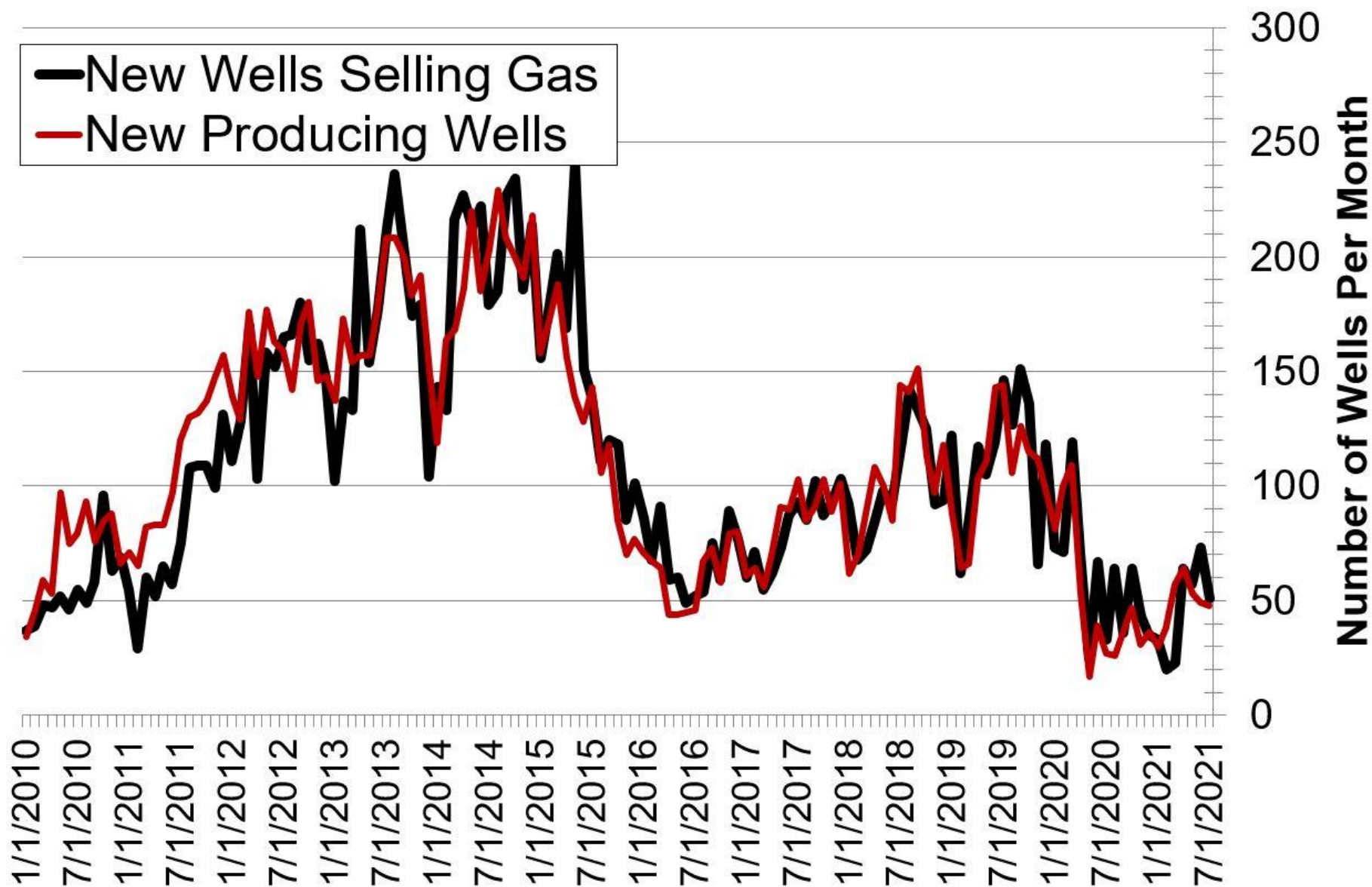
July 2021 Data – Non-Confidential Wells



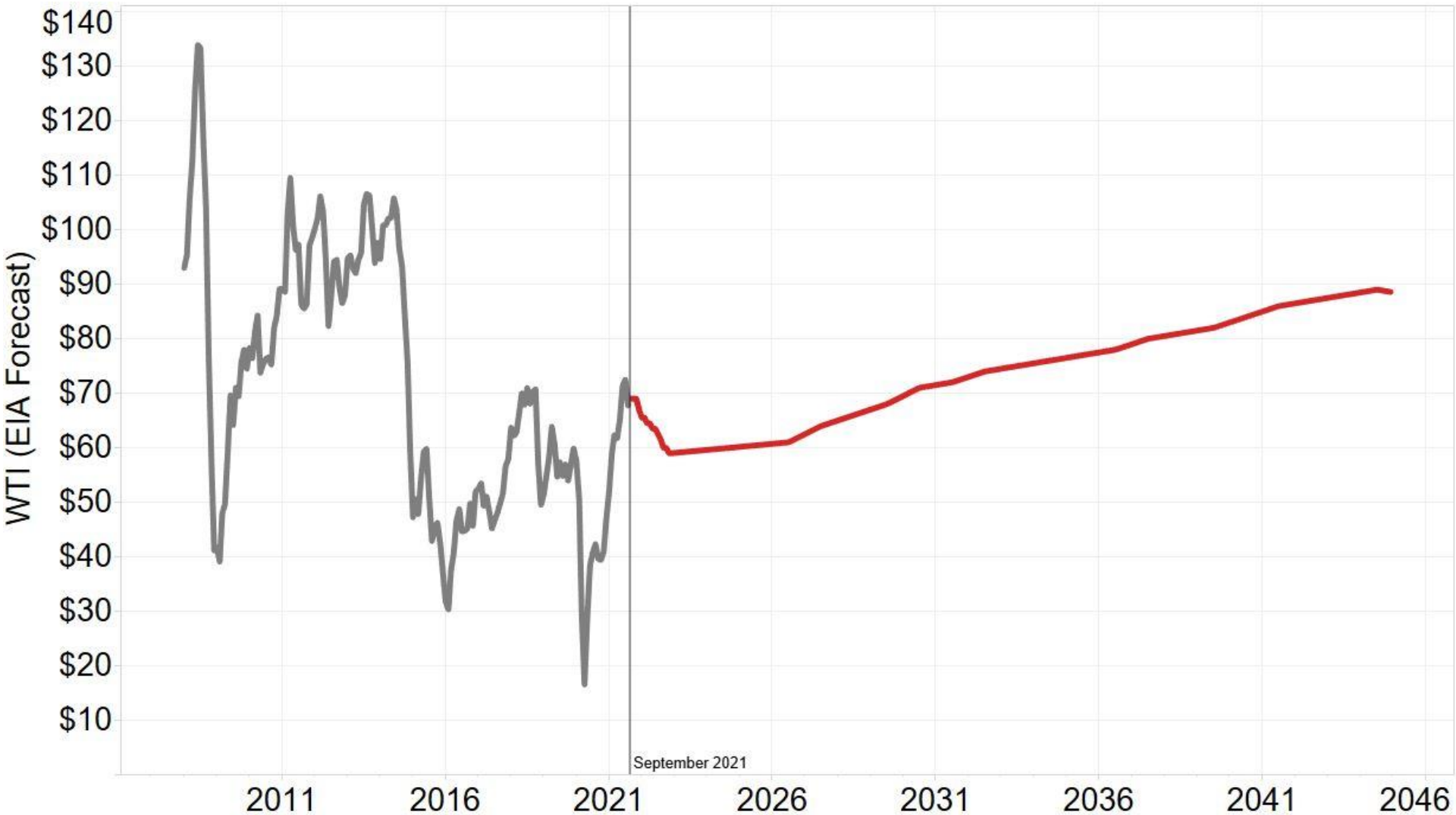
Solving the Flaring Challenge



Solving the Flaring Challenge



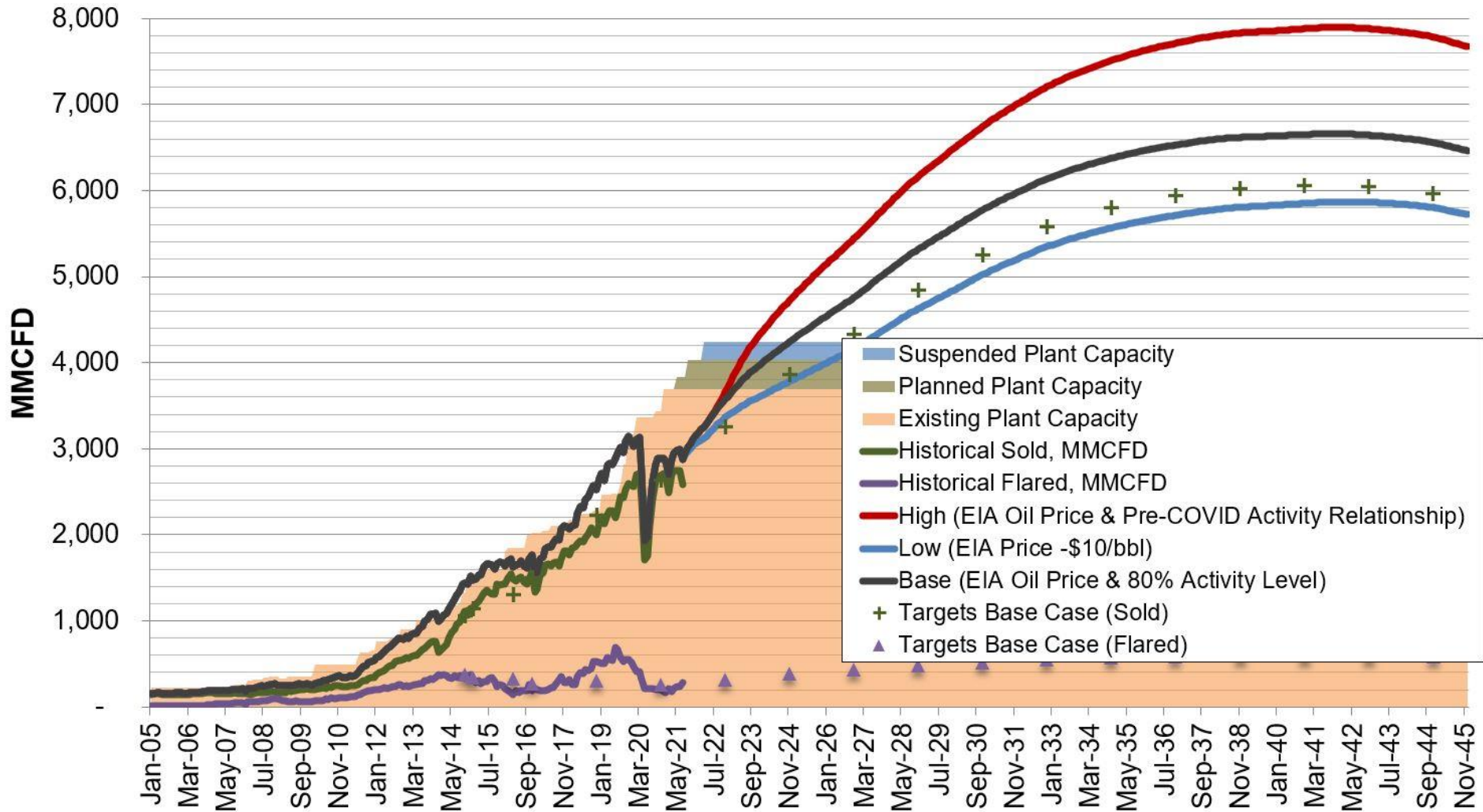
EIA Oil Price Forecast*



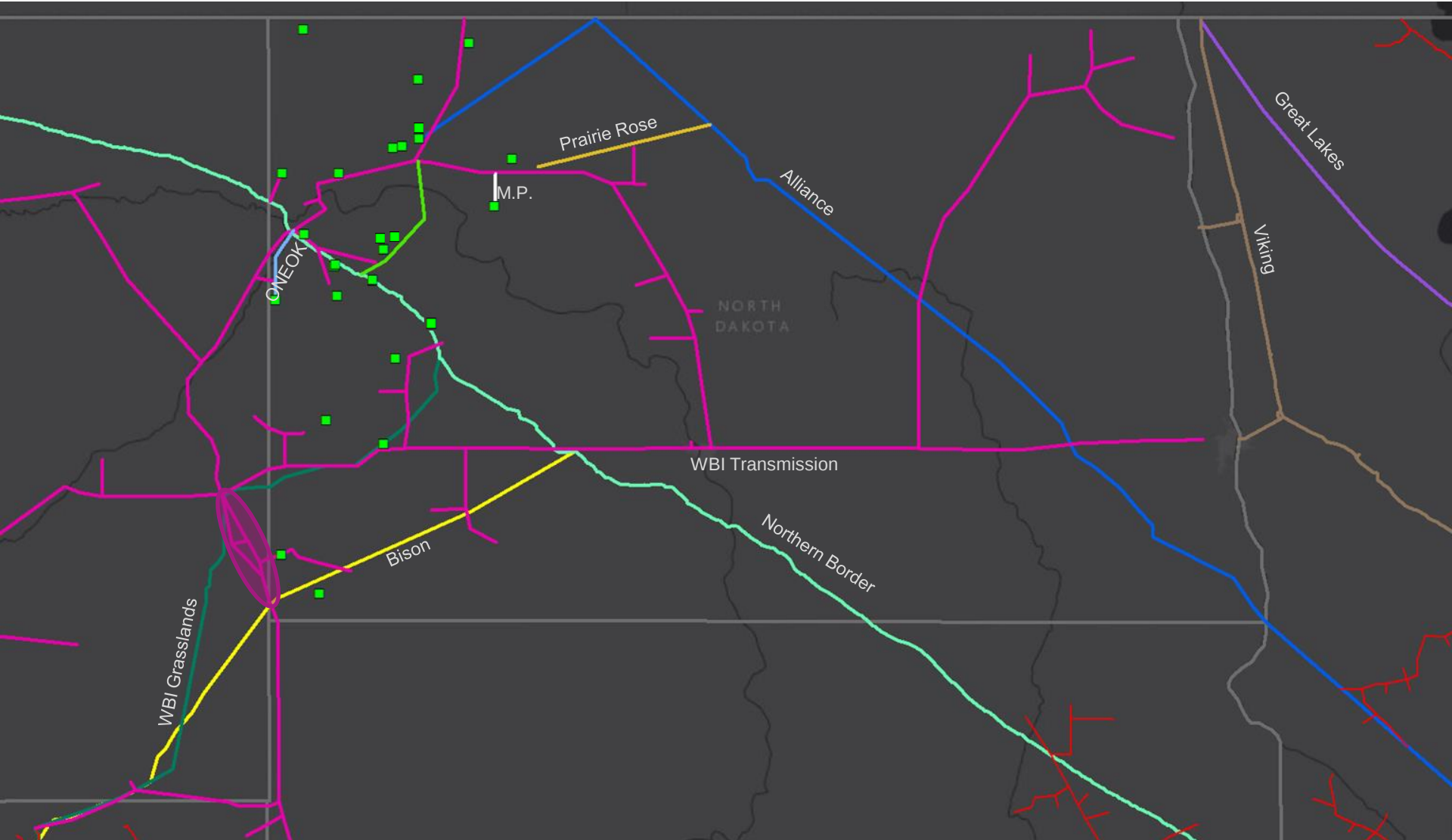
**EIA September 2021 SEO and February 2021 AEO Blend*



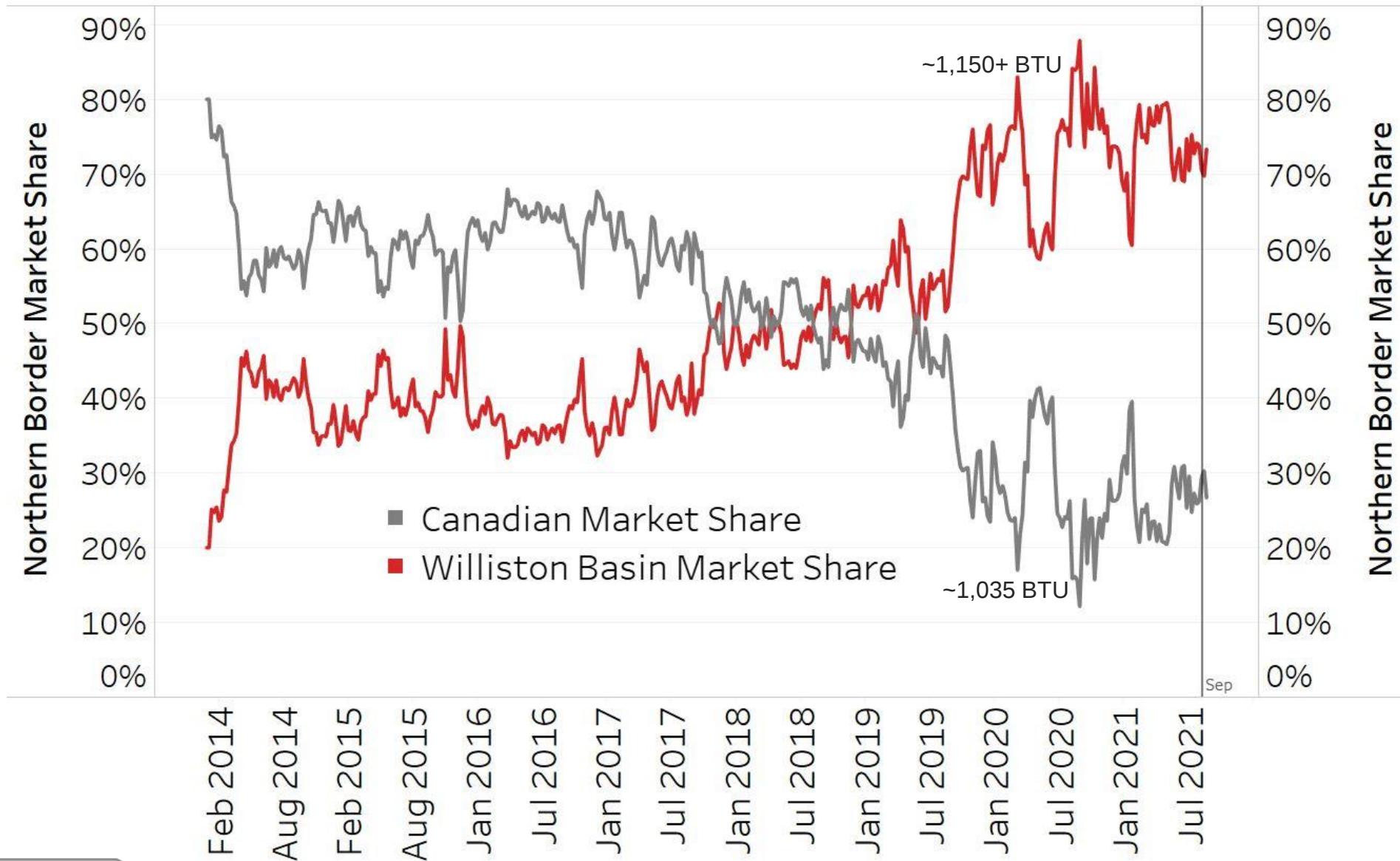
Solving the Flaring Challenge



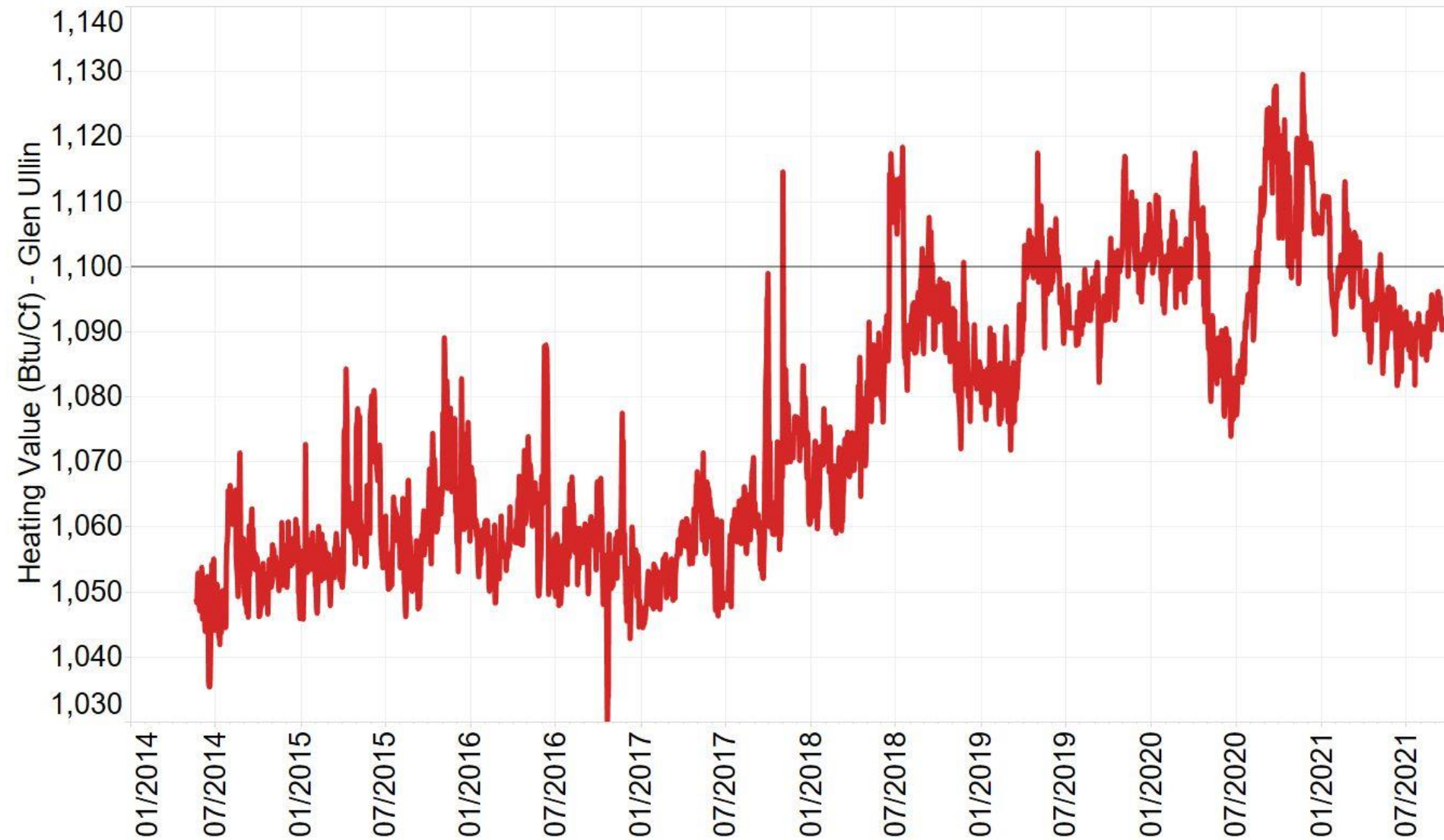
Major Gas Pipeline and Processing Infrastructure



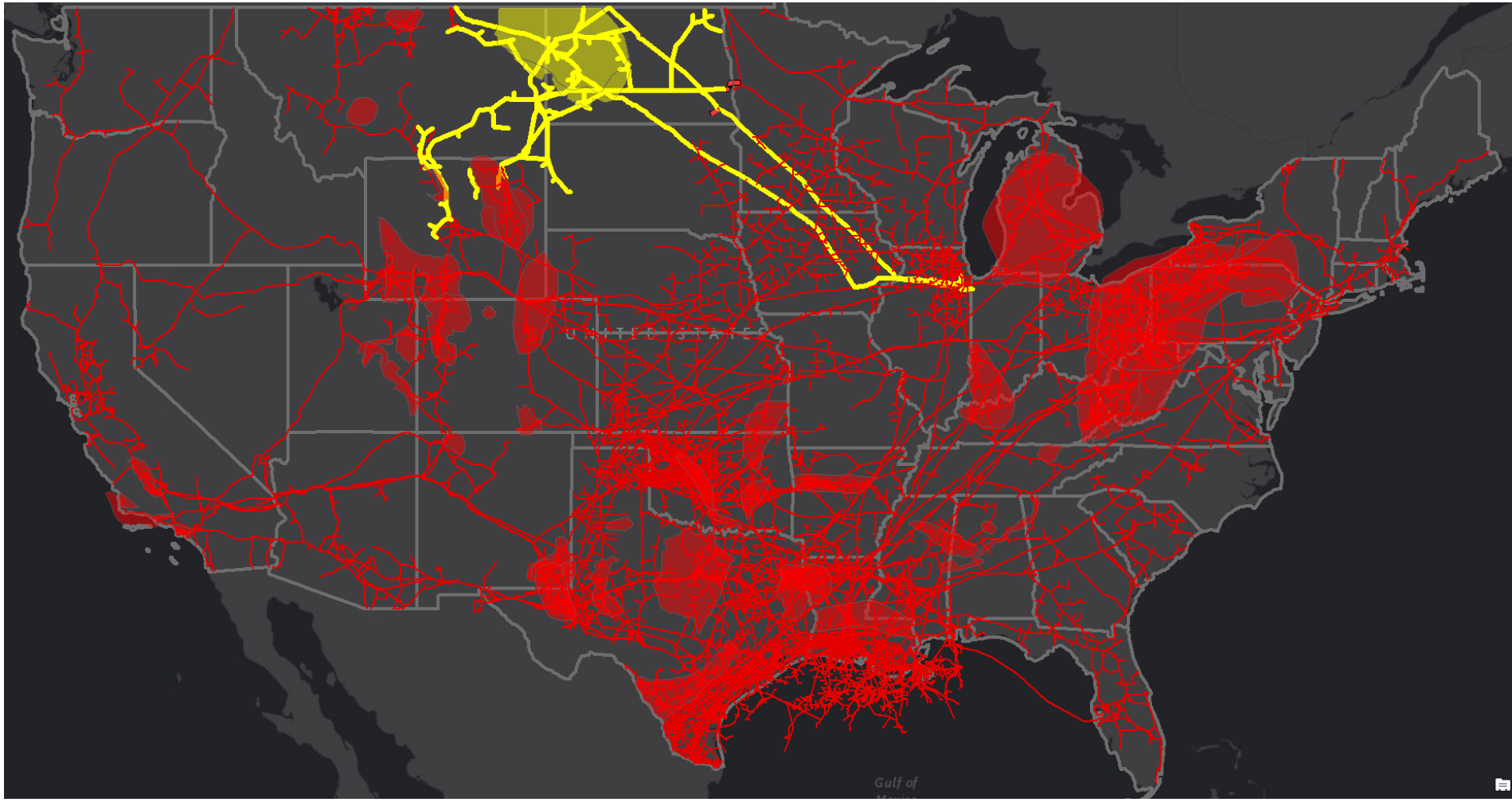
Northern Border Pipeline Market Share



Northern Border BTU at Glen Ullin, ND



Bakken Natural Gas Infrastructure



Contact Information

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