



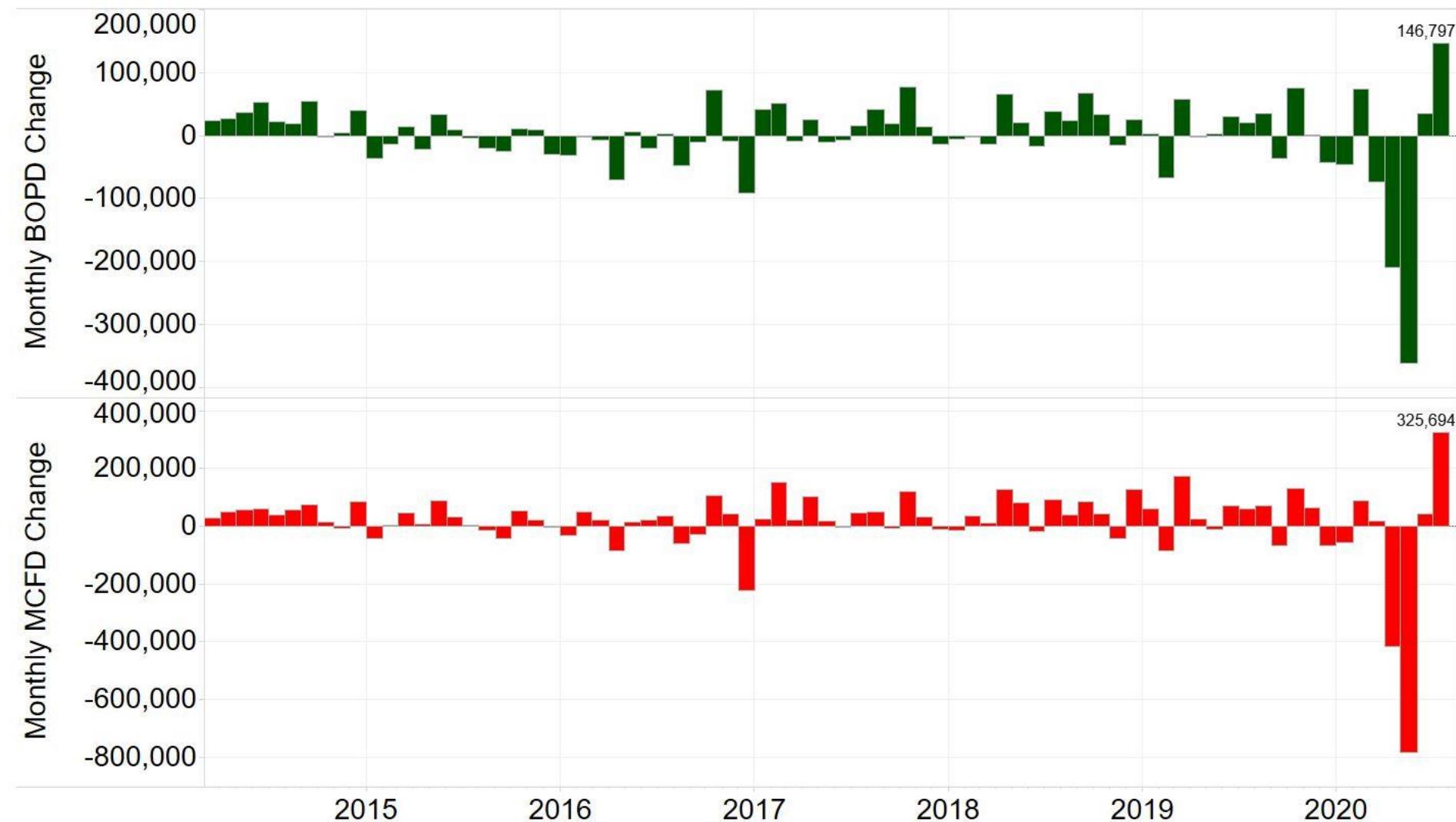
September 2020 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
September 15, 2020

US Williston Basin Oil Production - 2020

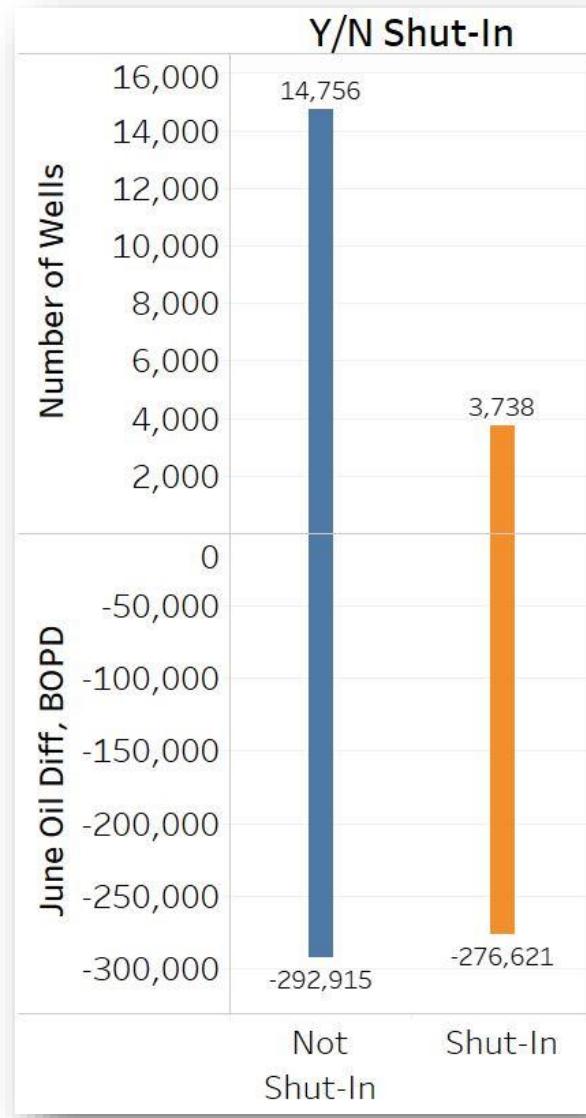
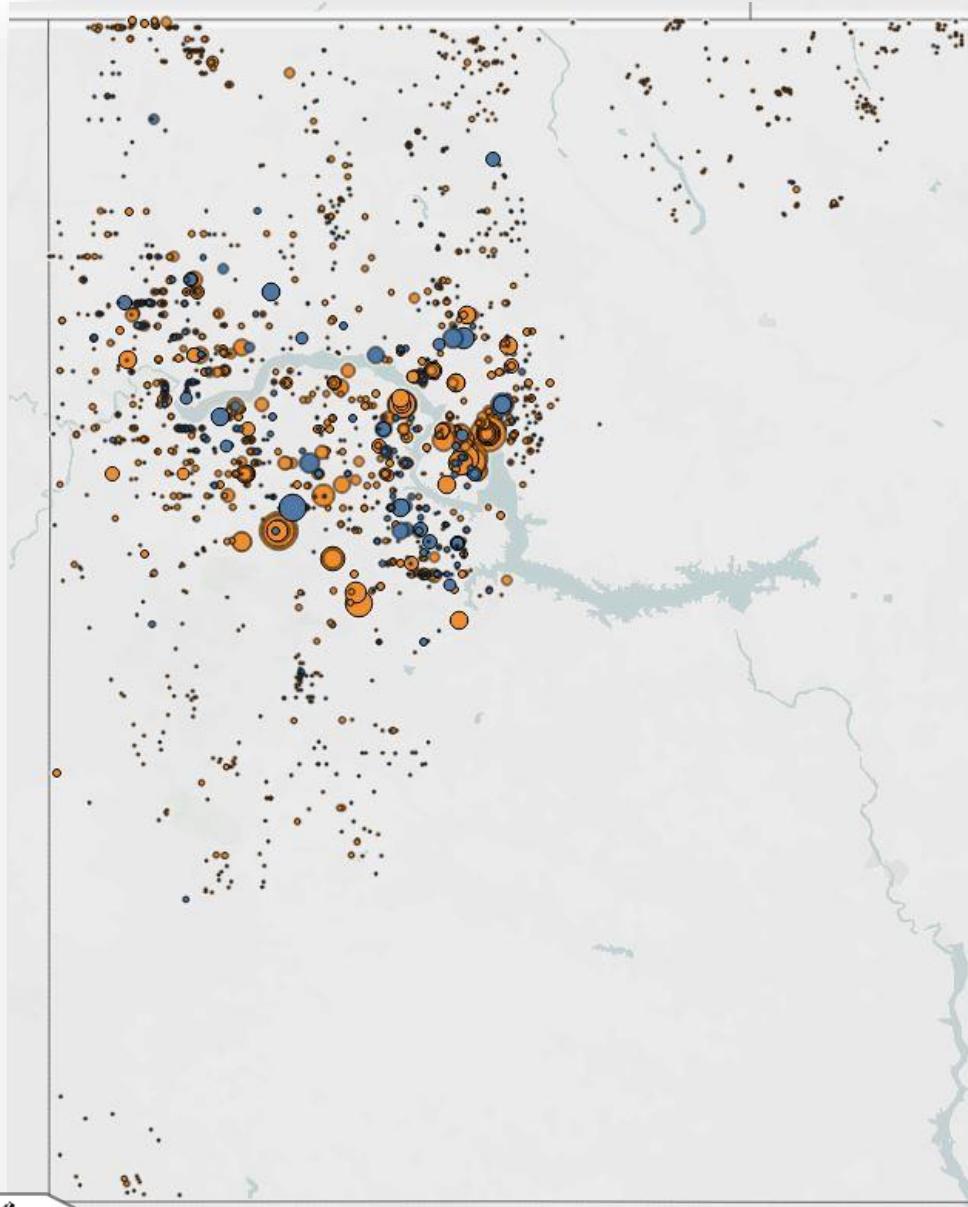
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,430,511	57,409	3,091	1,491,011
February	1,503,846	55,367	3,070	1,562,283
March	1,431,542	57,677	2,946	1,492,165
April	1,222,099	49,022	2,610	1,273,731
May	859,362	36,983	2,466	898,811
June	893,591	41,867	2,680	938,138
July	1,040,388			
August				
September				
October				
November				
December				



North Dakota Monthly Production Change

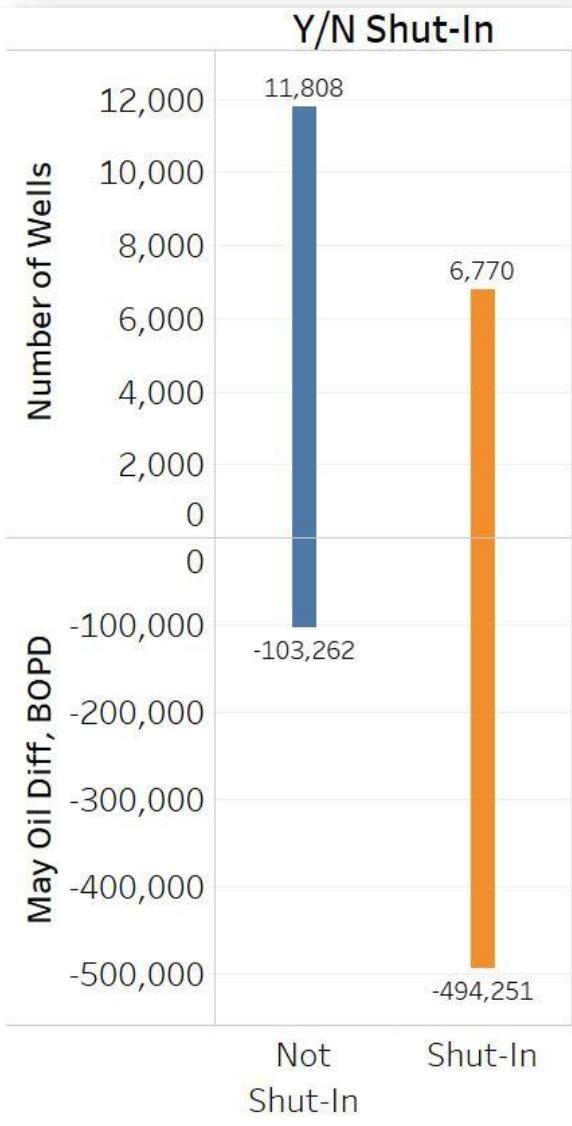


March to July 75+% M-O-M Oil Drop



May to July Shut-In Comparison

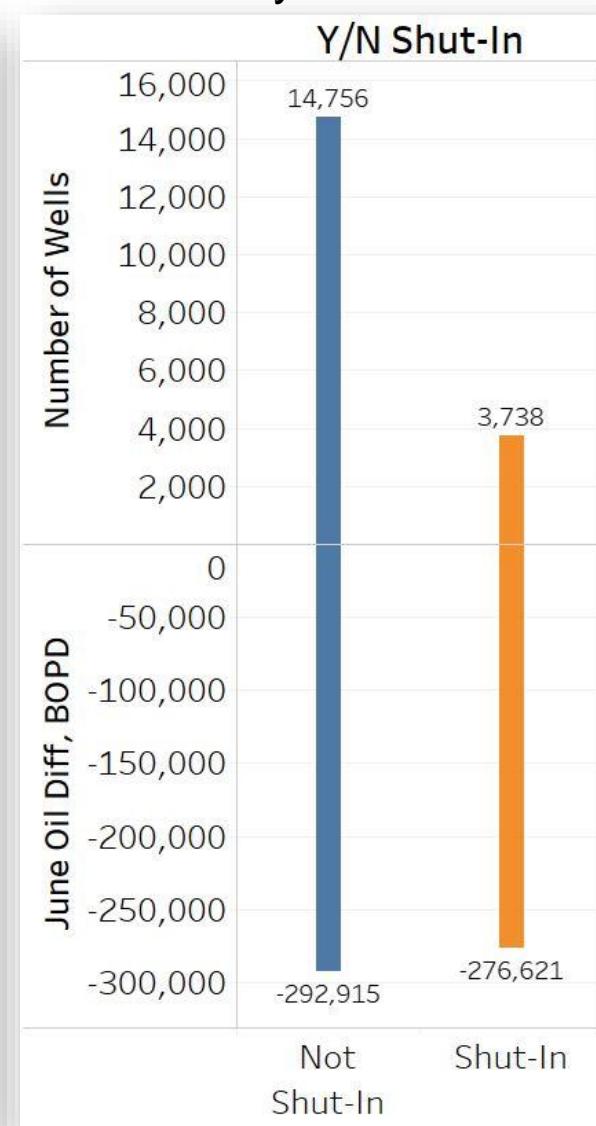
May 2020



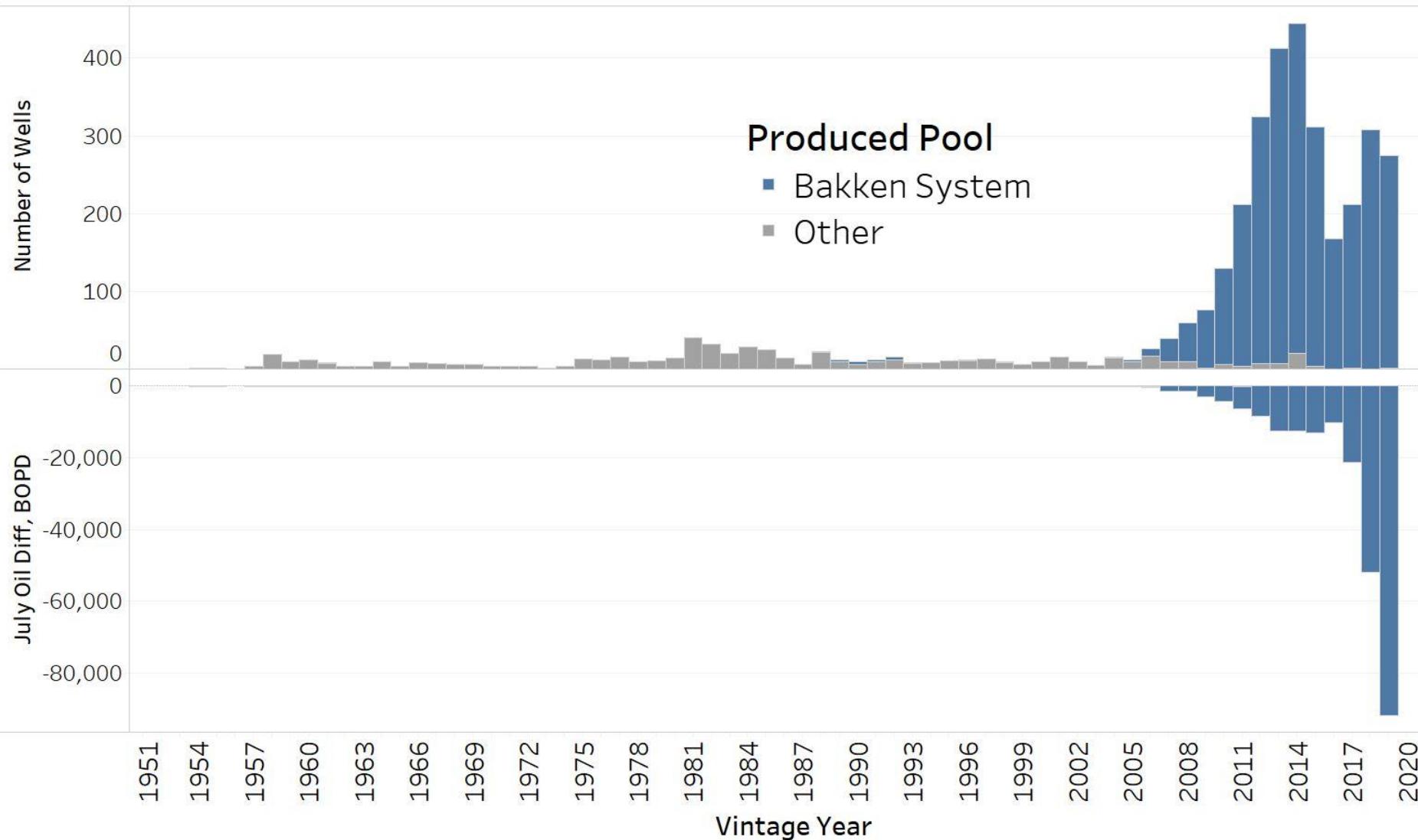
June 2020



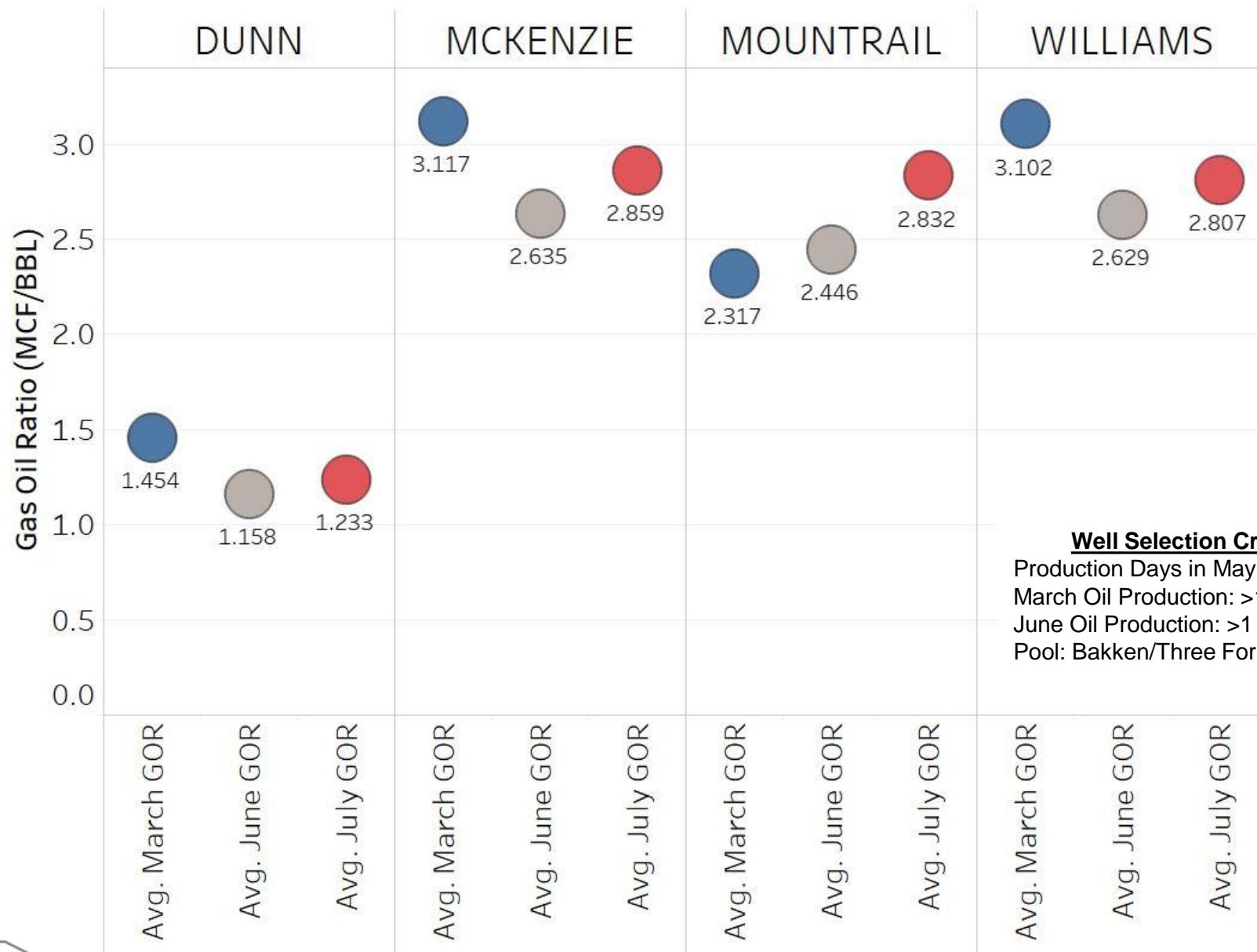
July 2020



Vintage Year of Shut-In Wells – July 2020



GOR Changes in Returning Curtailed Wells

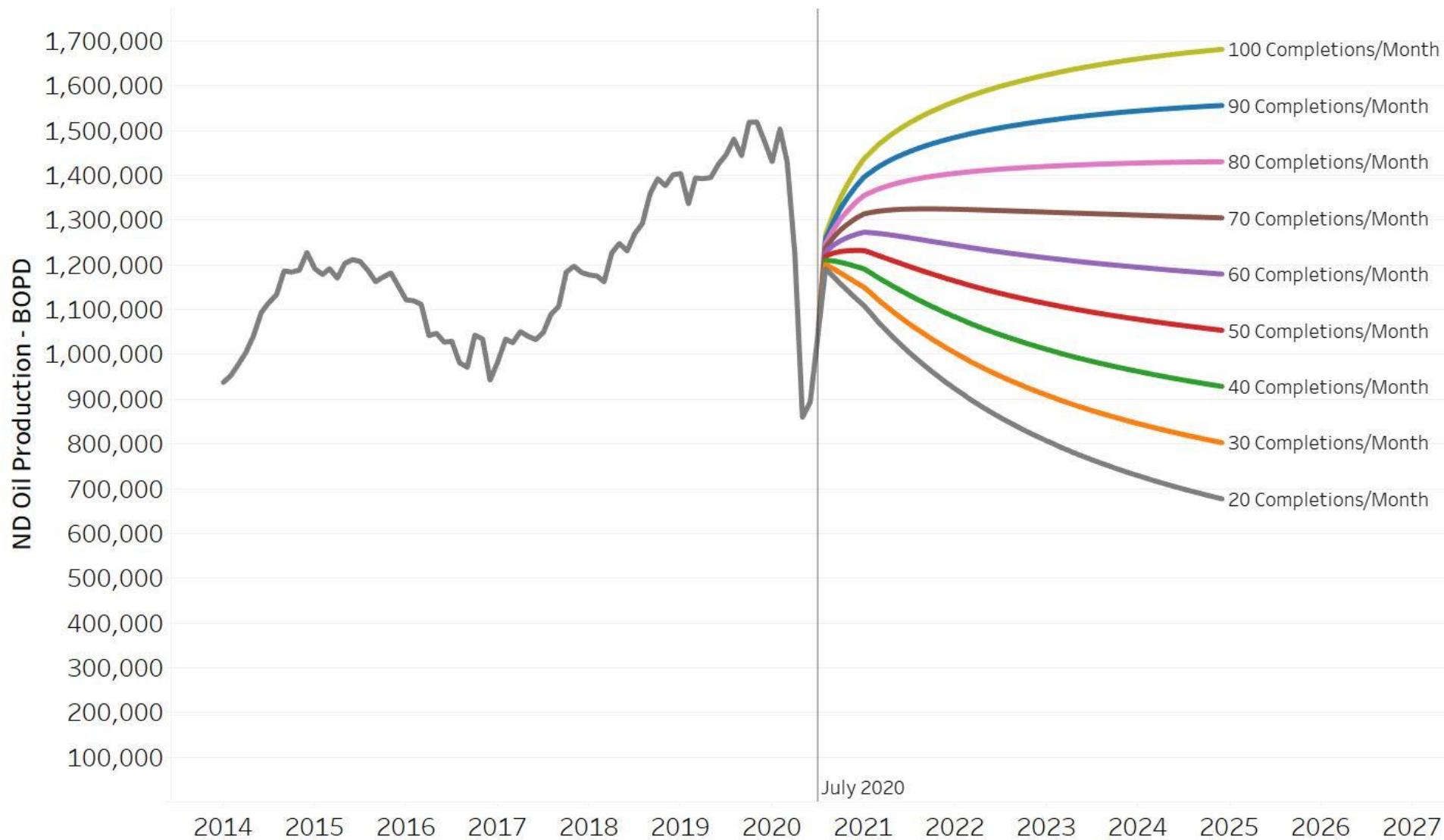


Well Selection Criteria

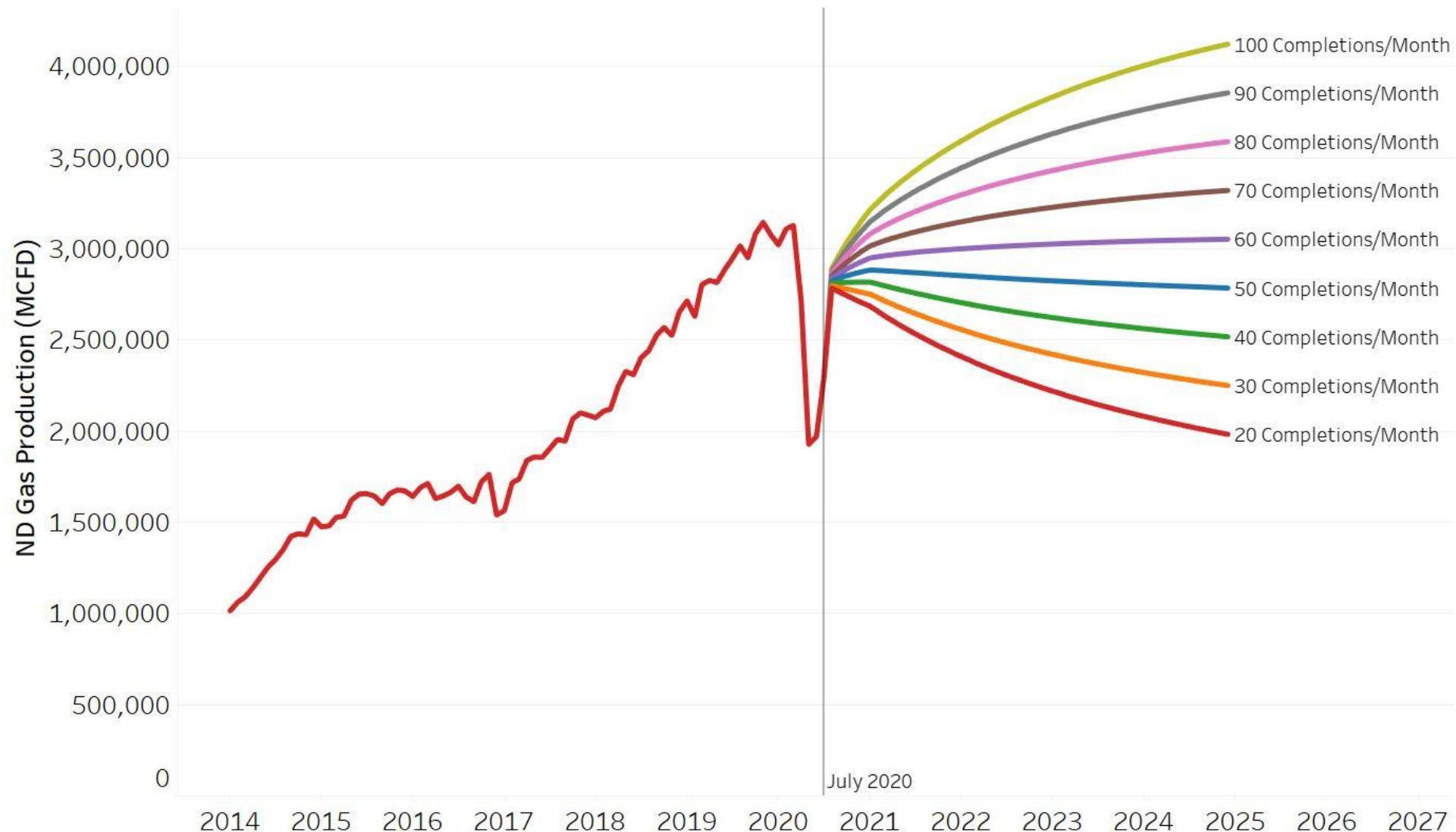
Production Days in May: 0-1 Days
March Oil Production: >1 BOPD
June Oil Production: >1 BOPD
Pool: Bakken/Three Forks/Sanish



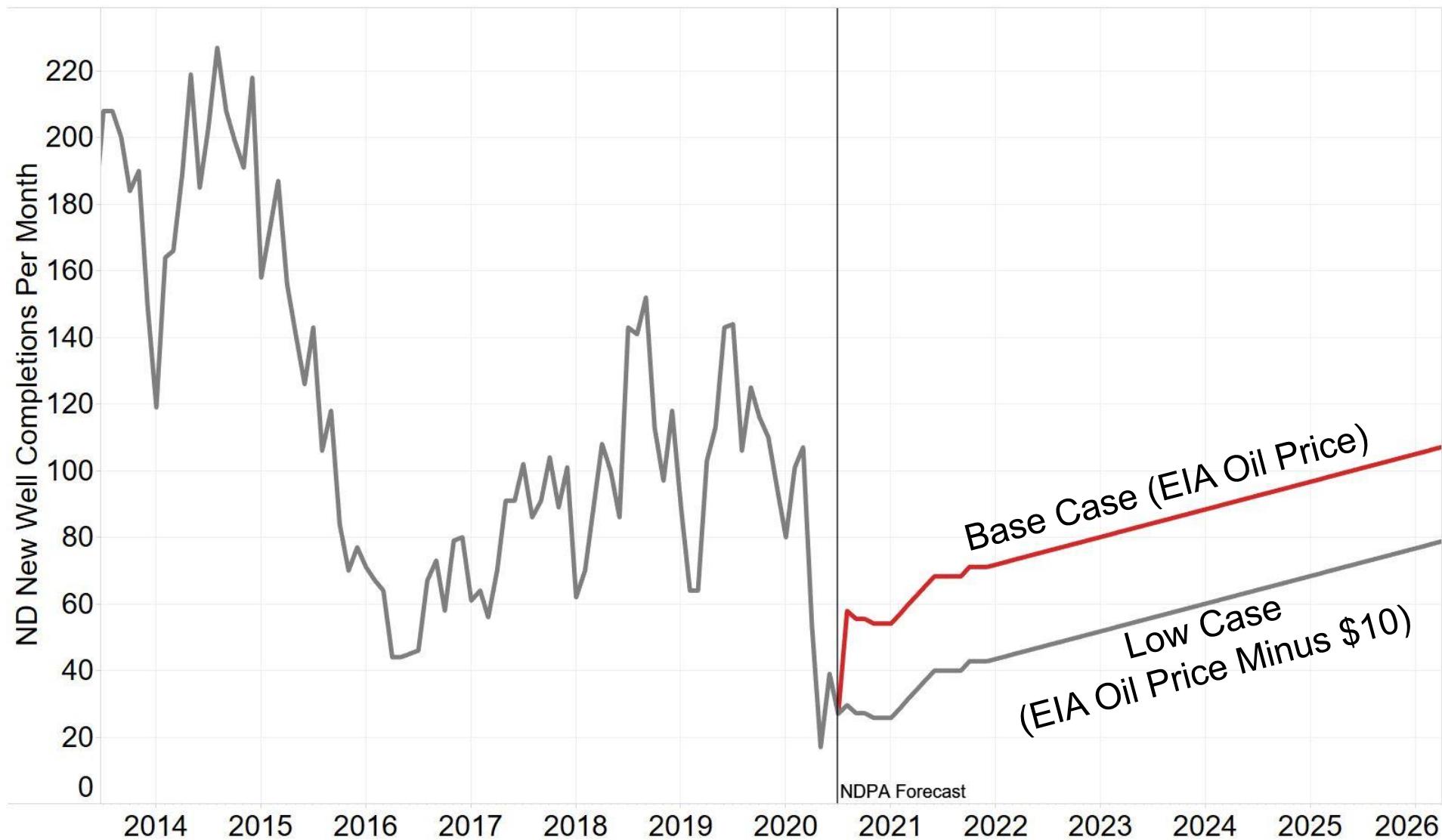
Monthly Completion Scenarios - Oil



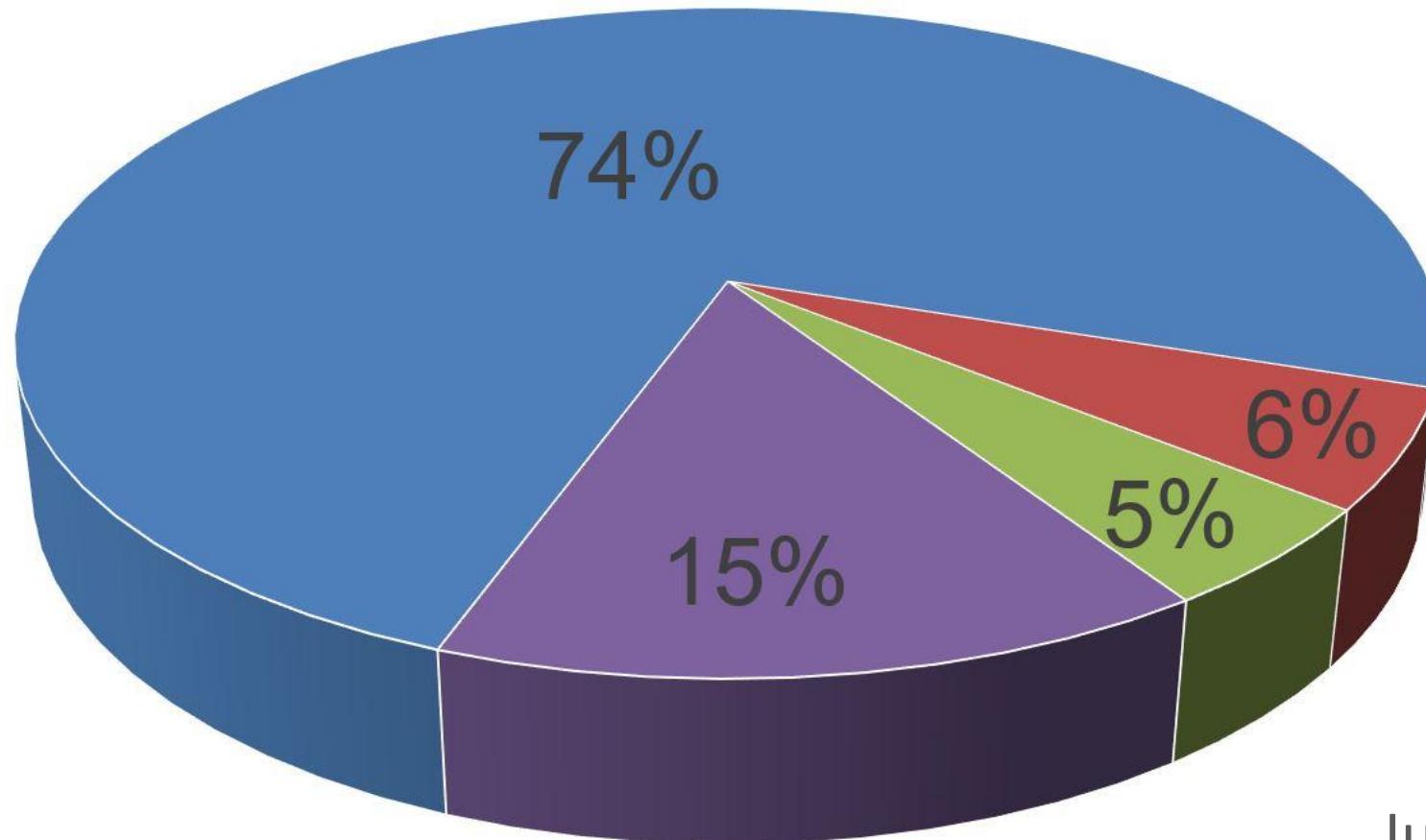
Monthly Completion Scenarios - Gas



North Dakota Completions



Estimated Williston Basin Oil Transportation



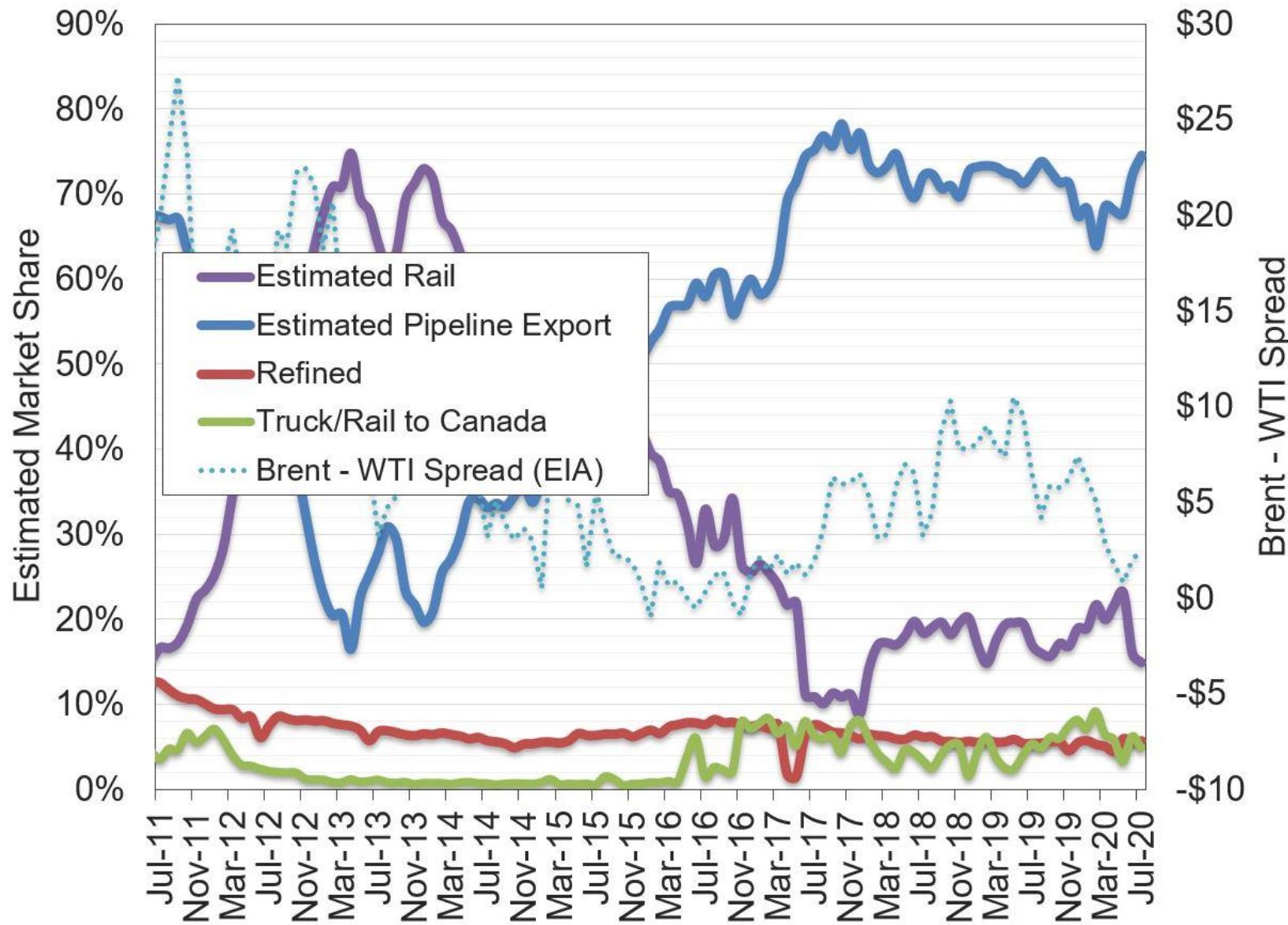
July 2020

- Pipeline Export
- Truck/Rail to Canada

- Refined
- Estimated Rail



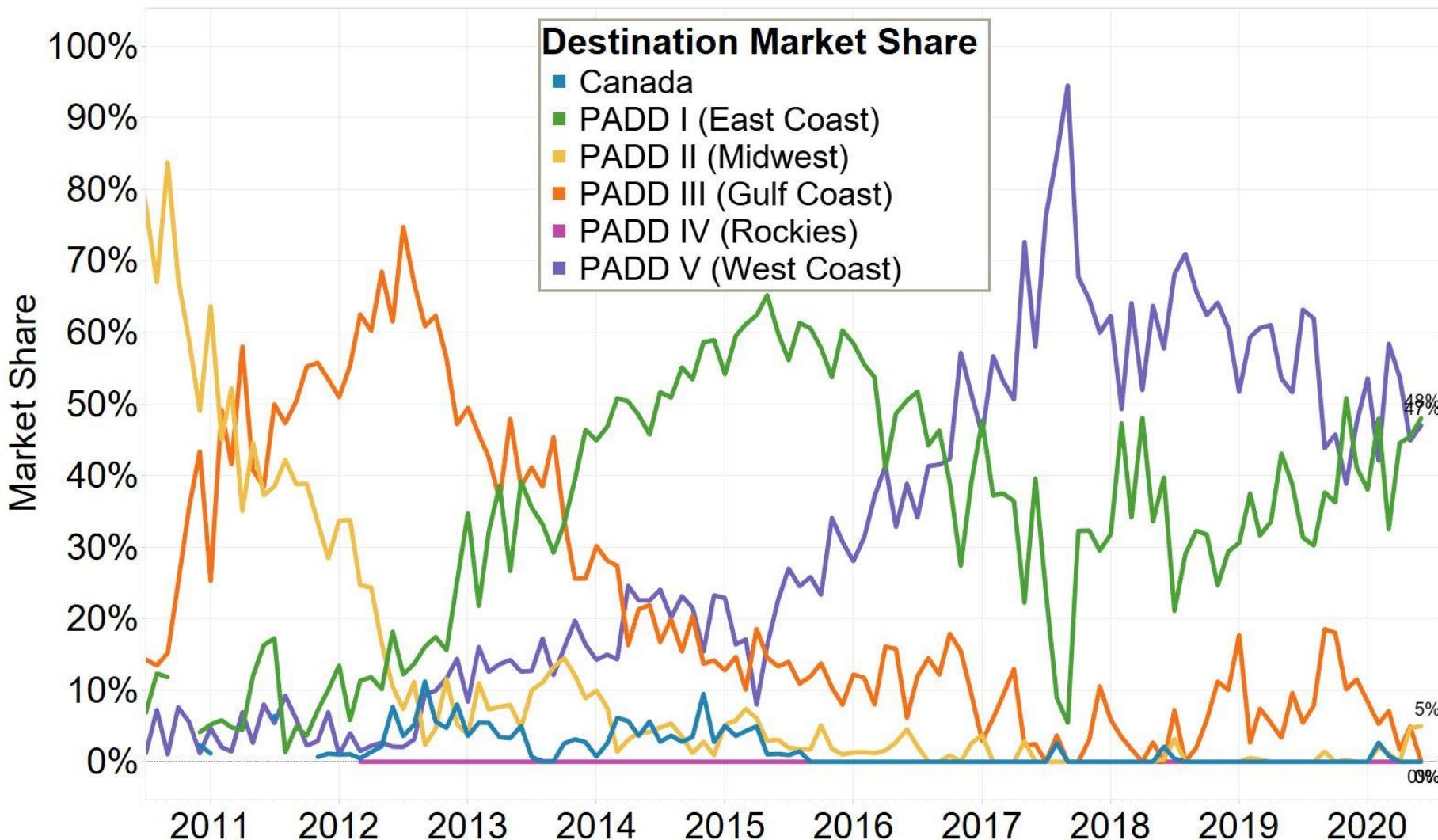
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



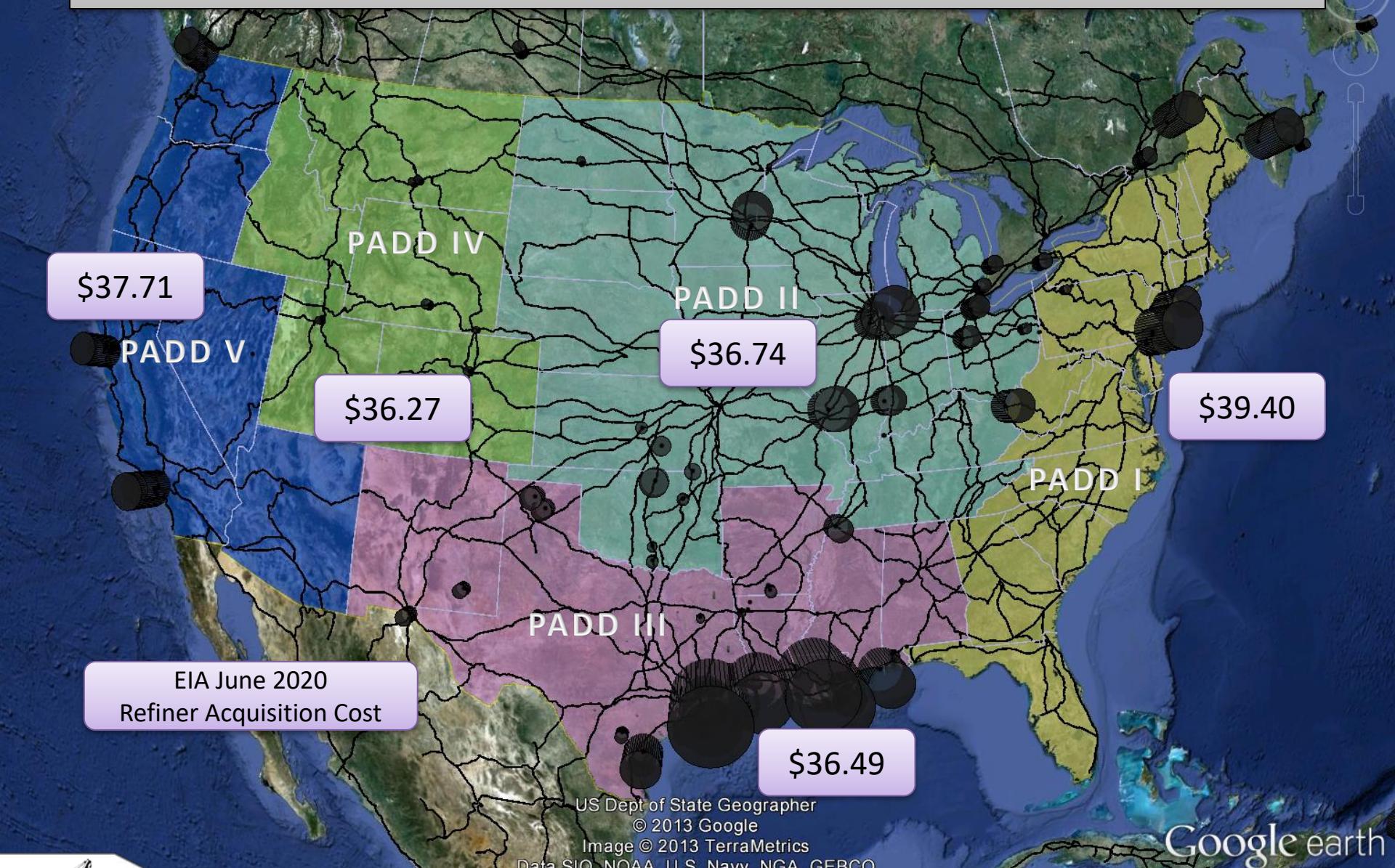
Rail Destinations Market Share (June 2020)



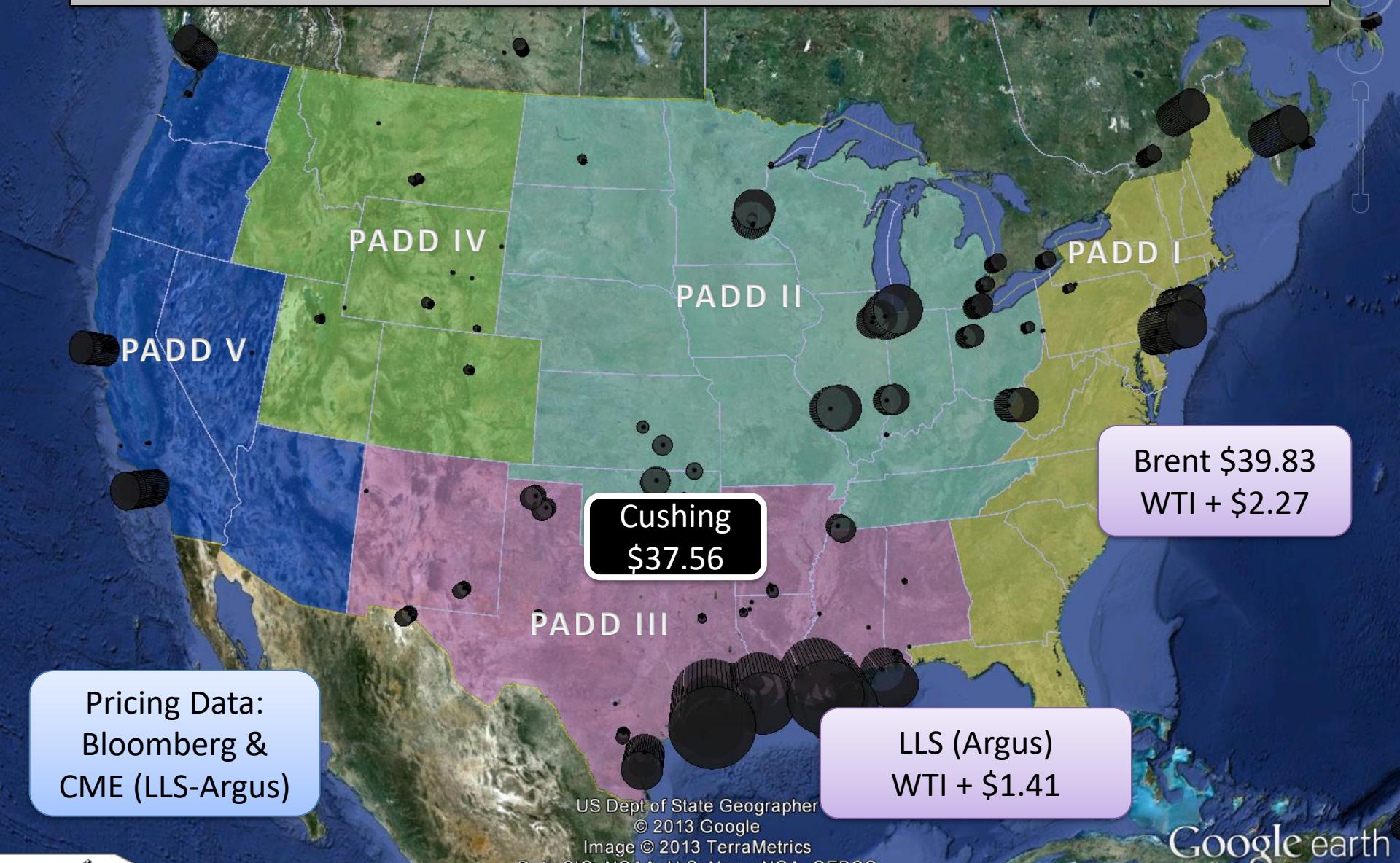
Data for Rail Destination Market Share Provided by the US Energy Information Administration



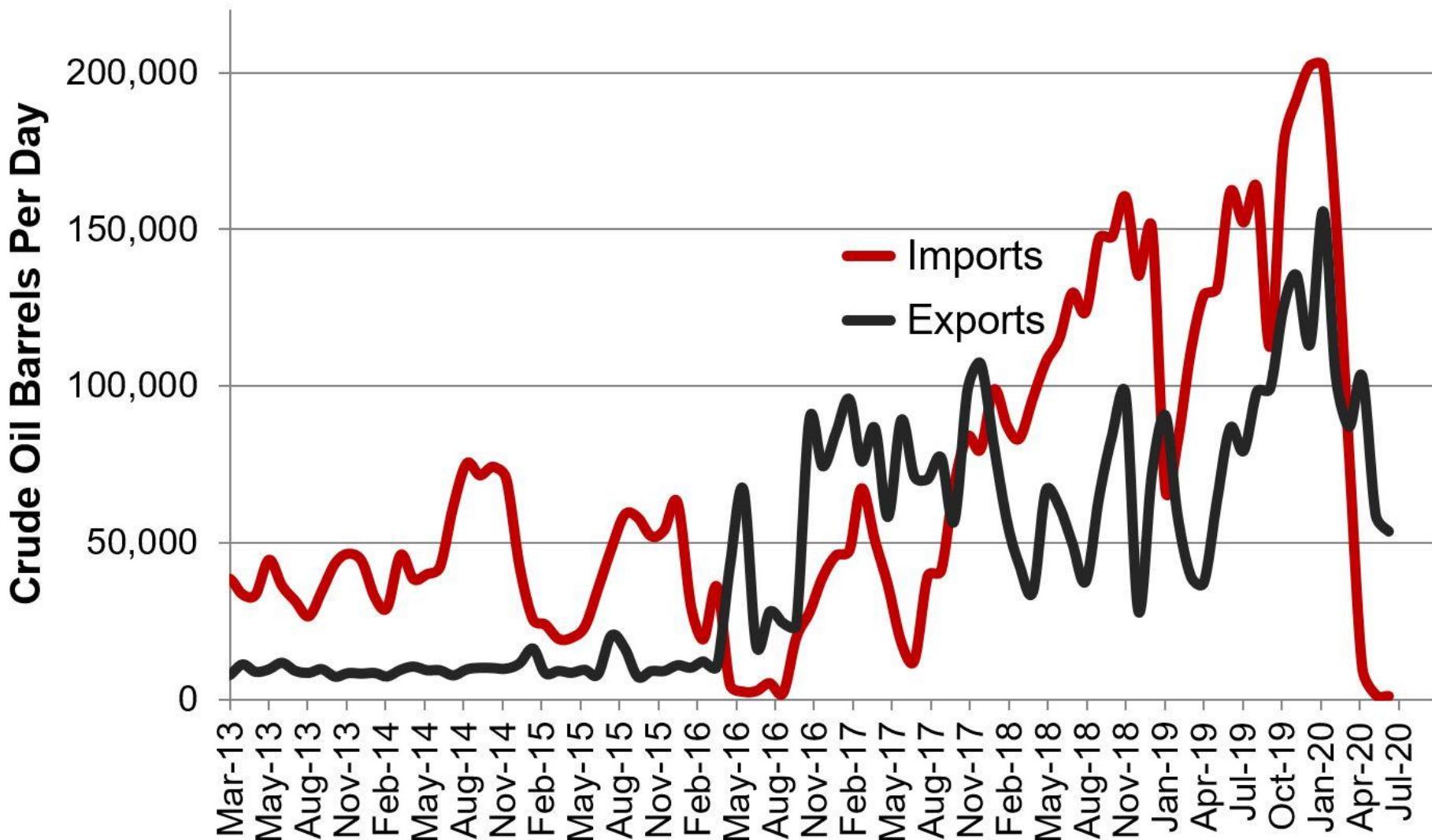
Major Rail Lines and Refineries



Crude Oil Prices – Sep. 15, 2020



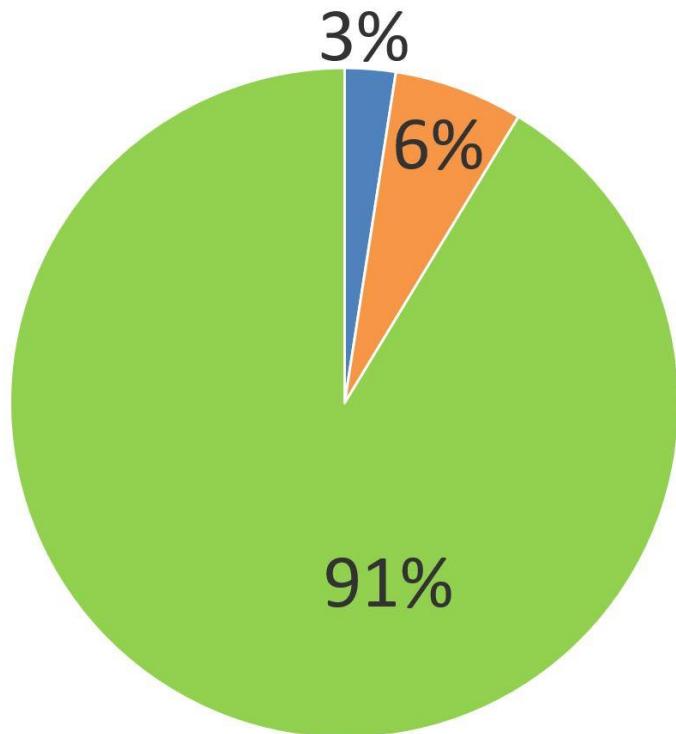
Williston Basin Truck/Rail Imports and Exports with Canada



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



Statewide

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

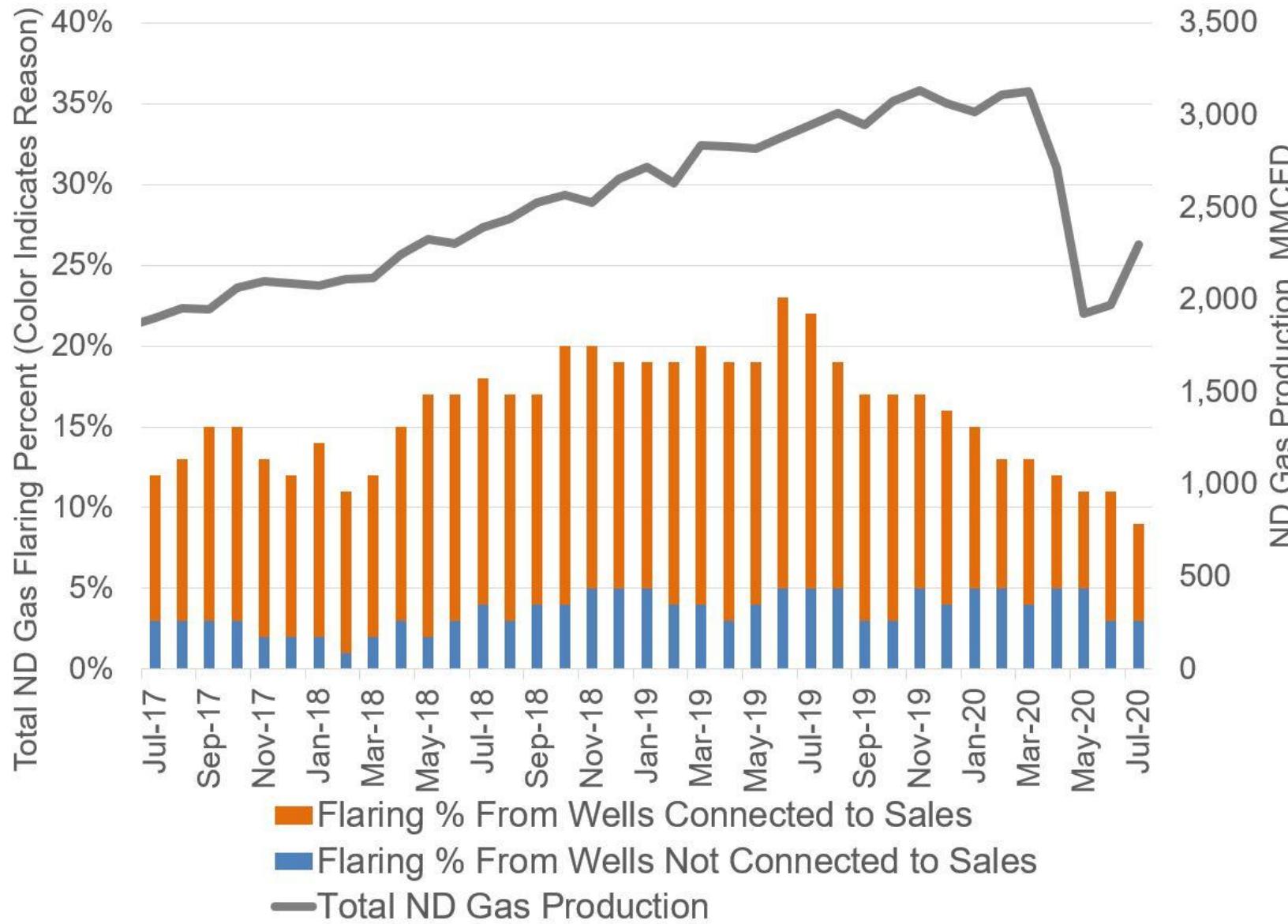
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

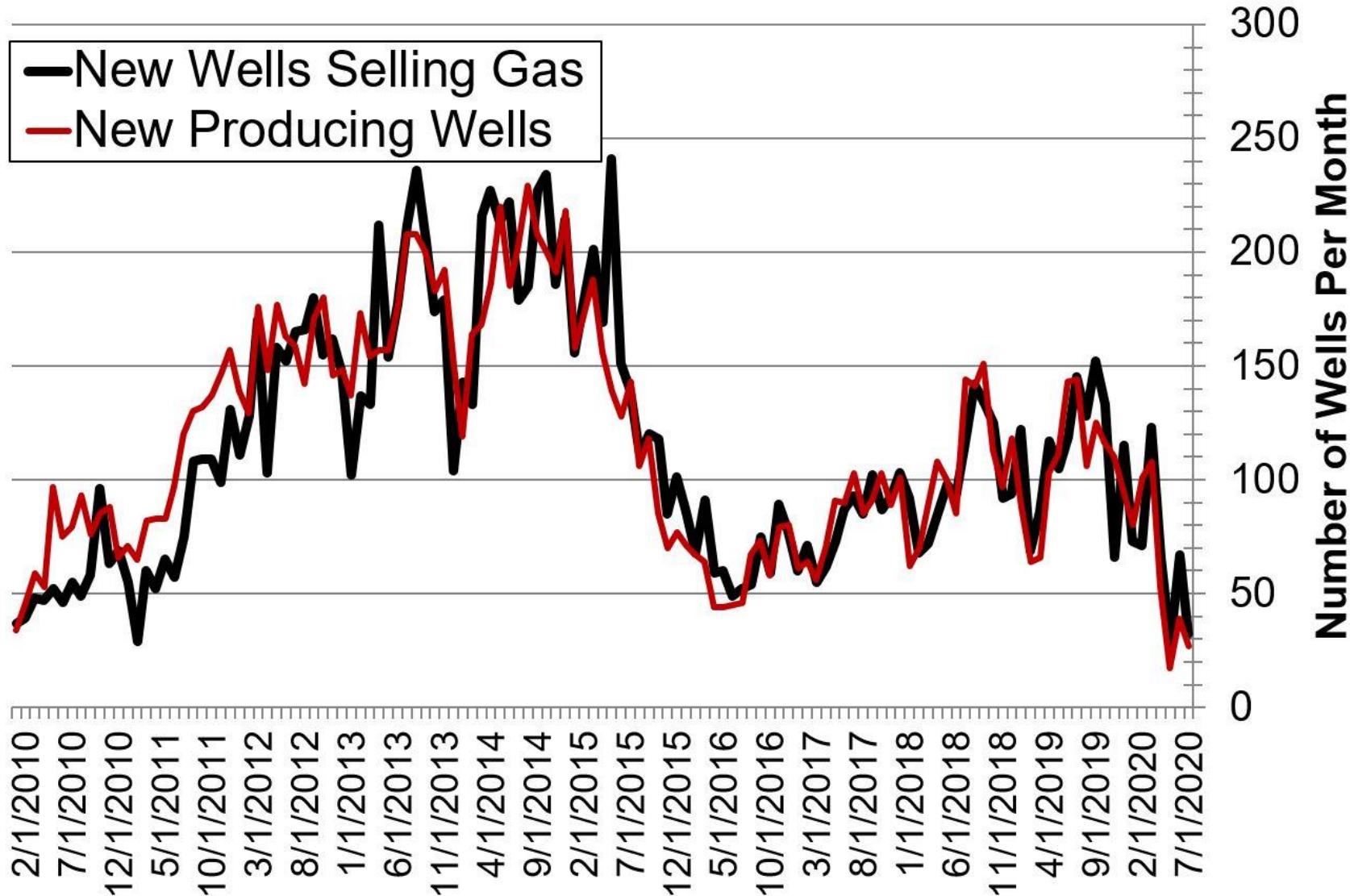
July 2020 Data – Non-Confidential Wells



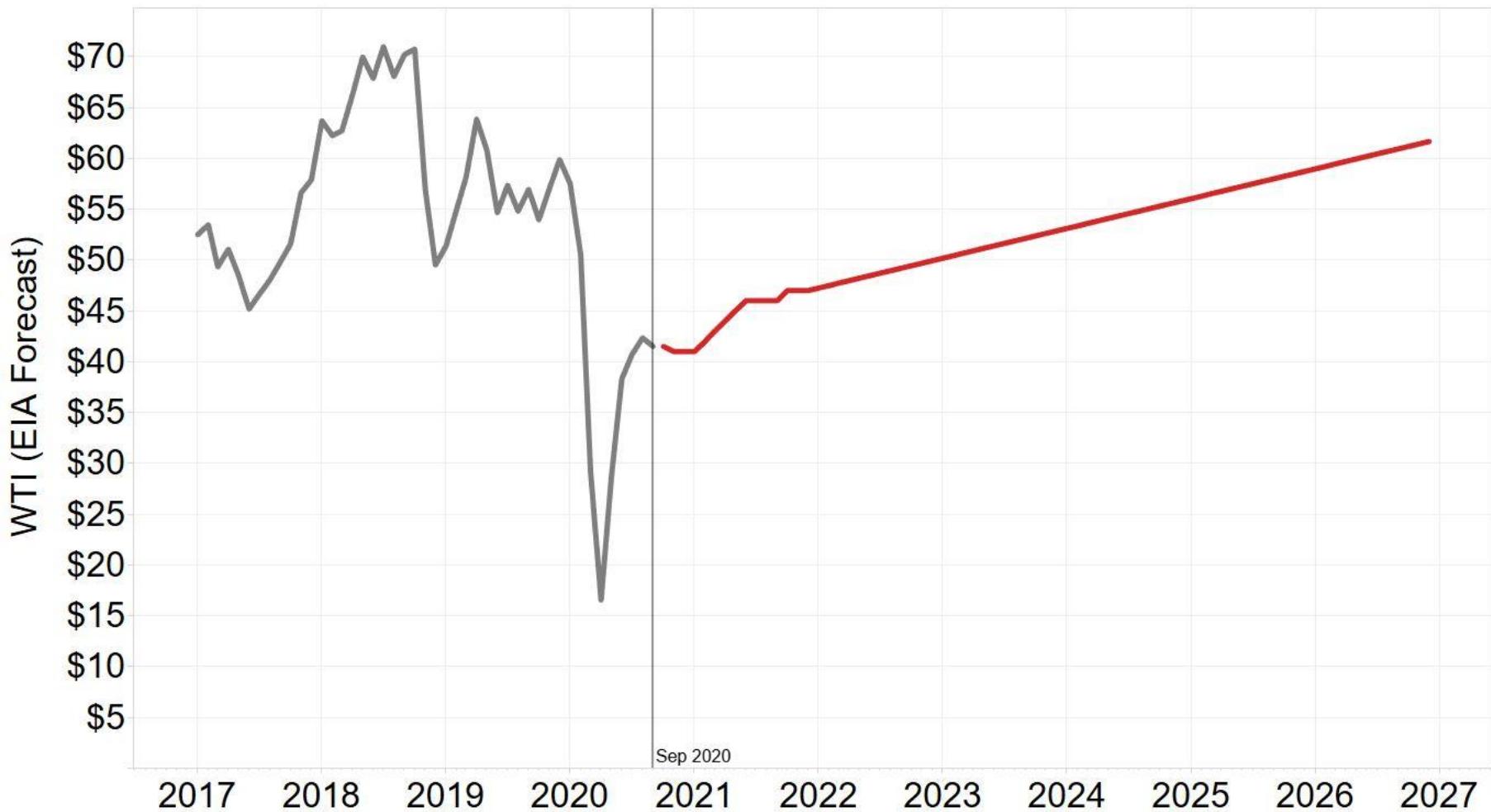
Solving the Flaring Challenge



Solving the Flaring Challenge



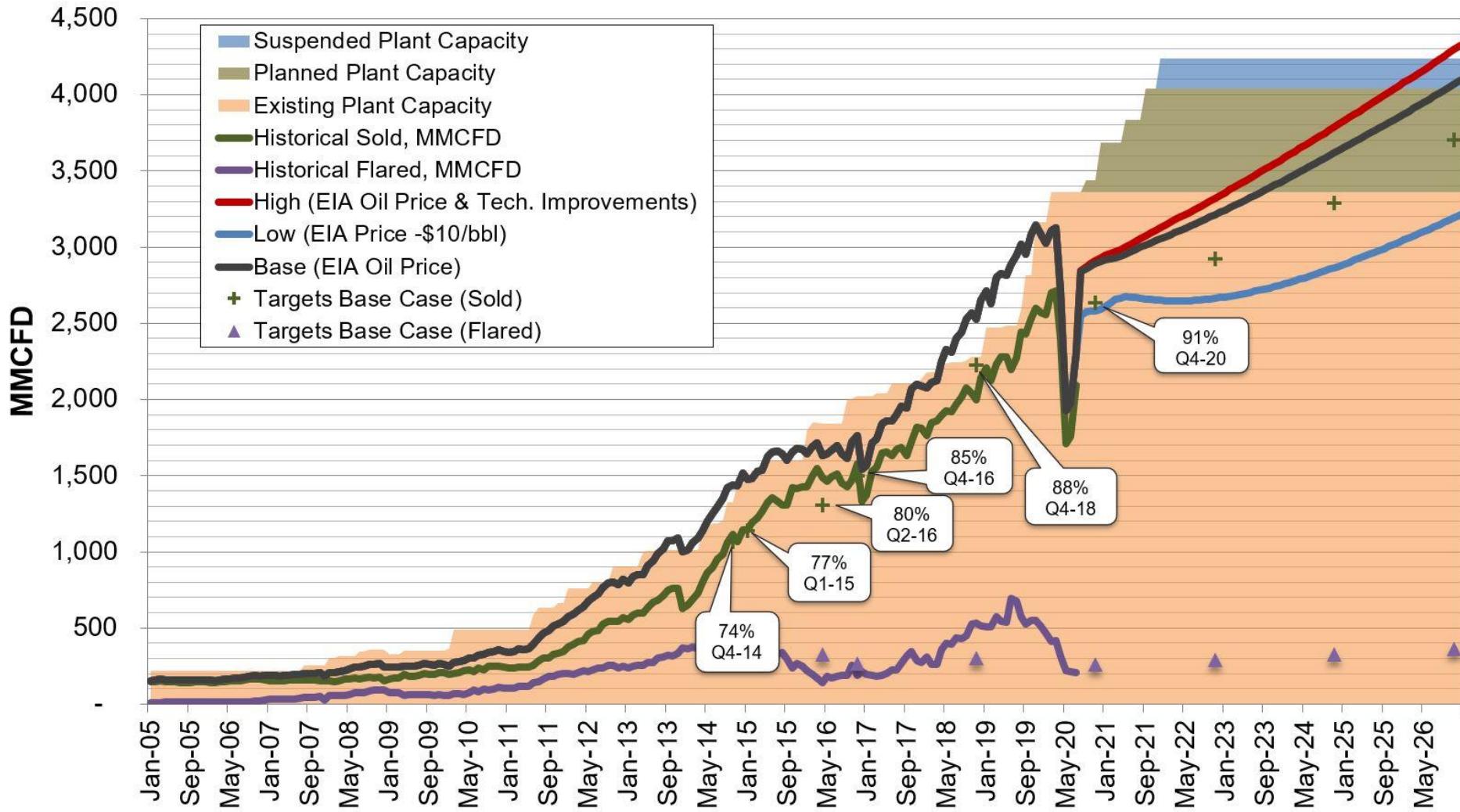
EIA Oil Price Forecast*



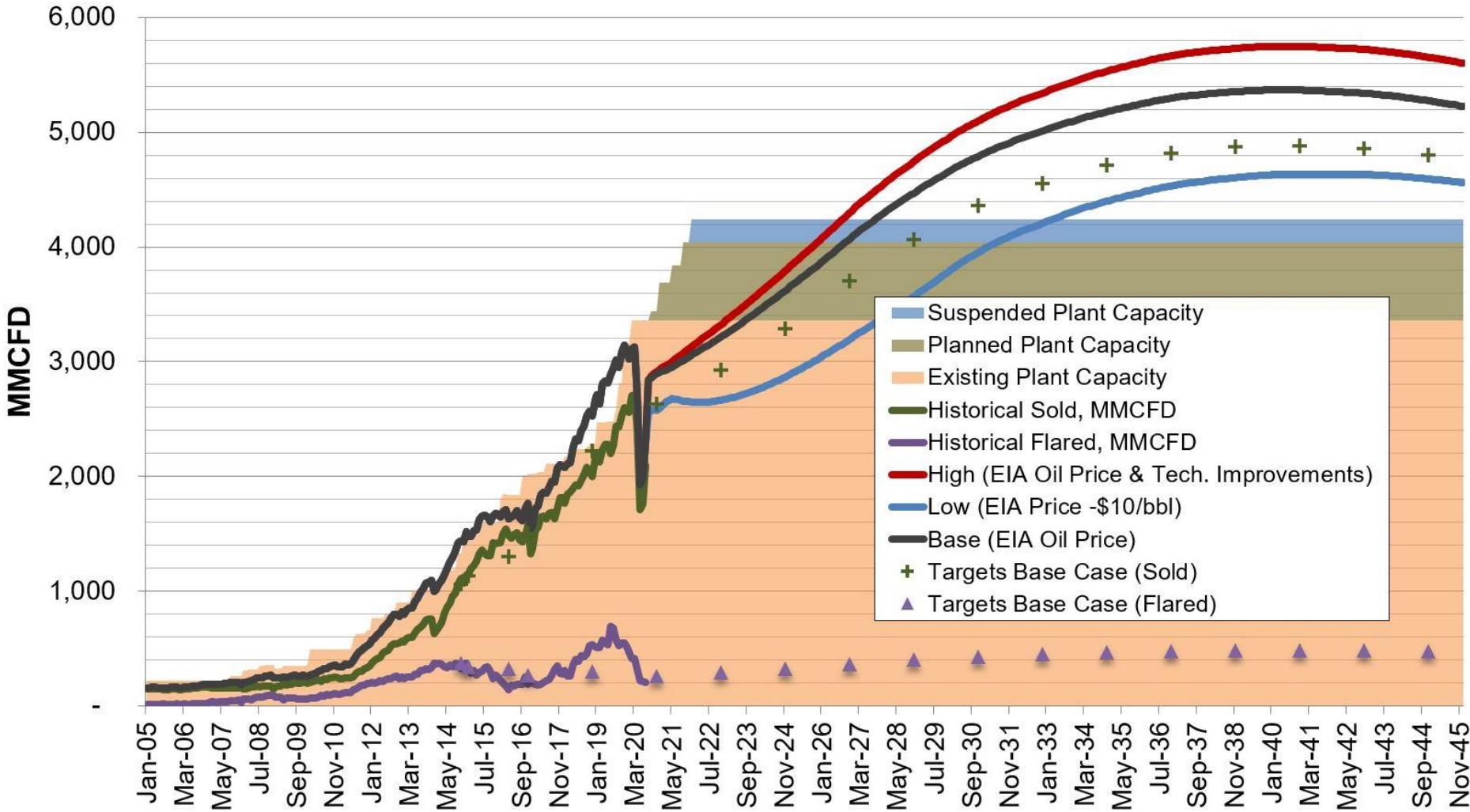
*EIA August 2020 SEO and January 2020 AEO Blend



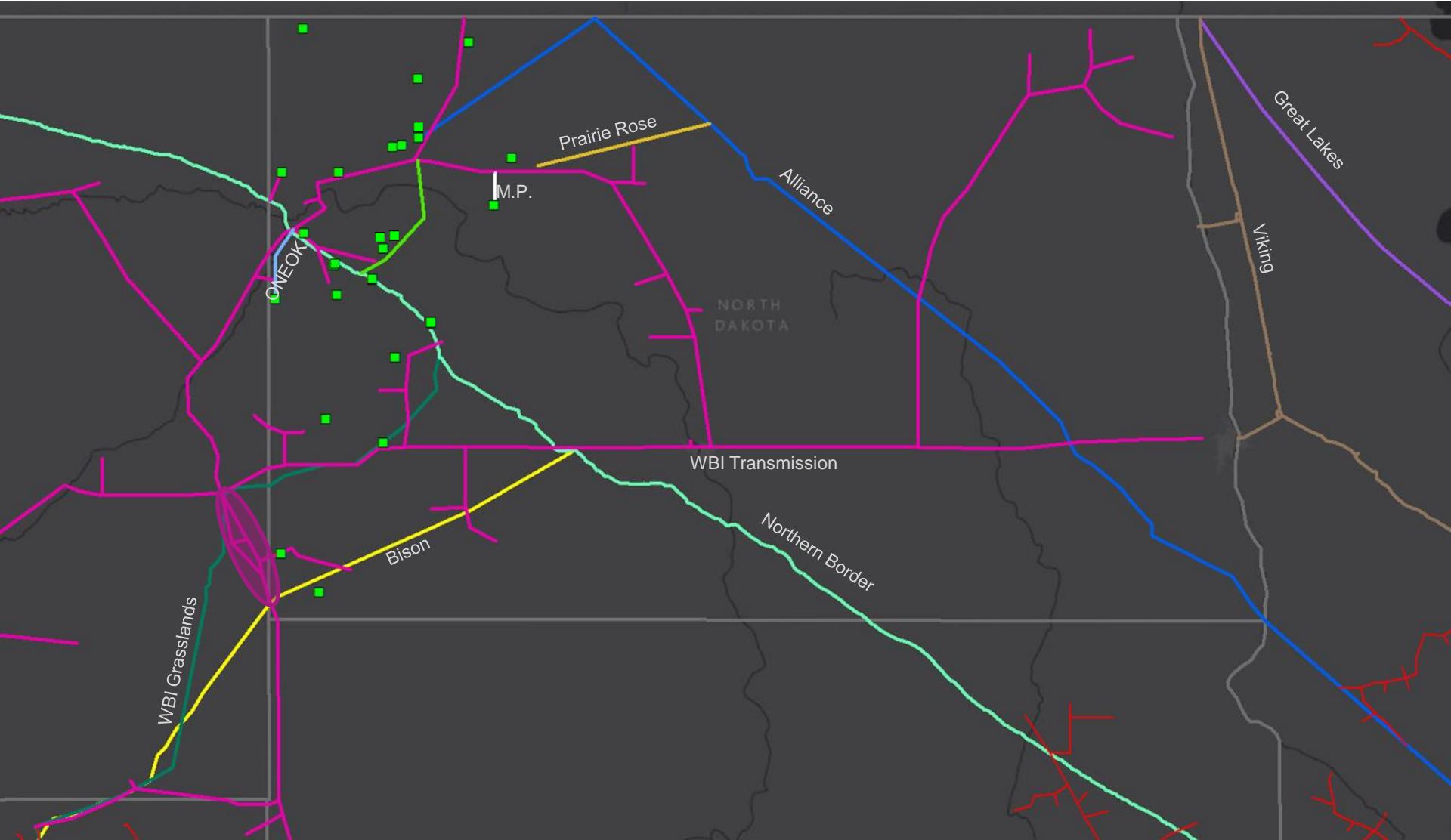
Solving the Flaring Challenge



Solving the Flaring Challenge



Major Gas Pipeline and Processing Infrastructure



Contact Information

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



JJ Kringstad - North Dakota Pipeline Authority

Websites:

www.pipeline.nd.gov

www.northdakotapipelines.com

