



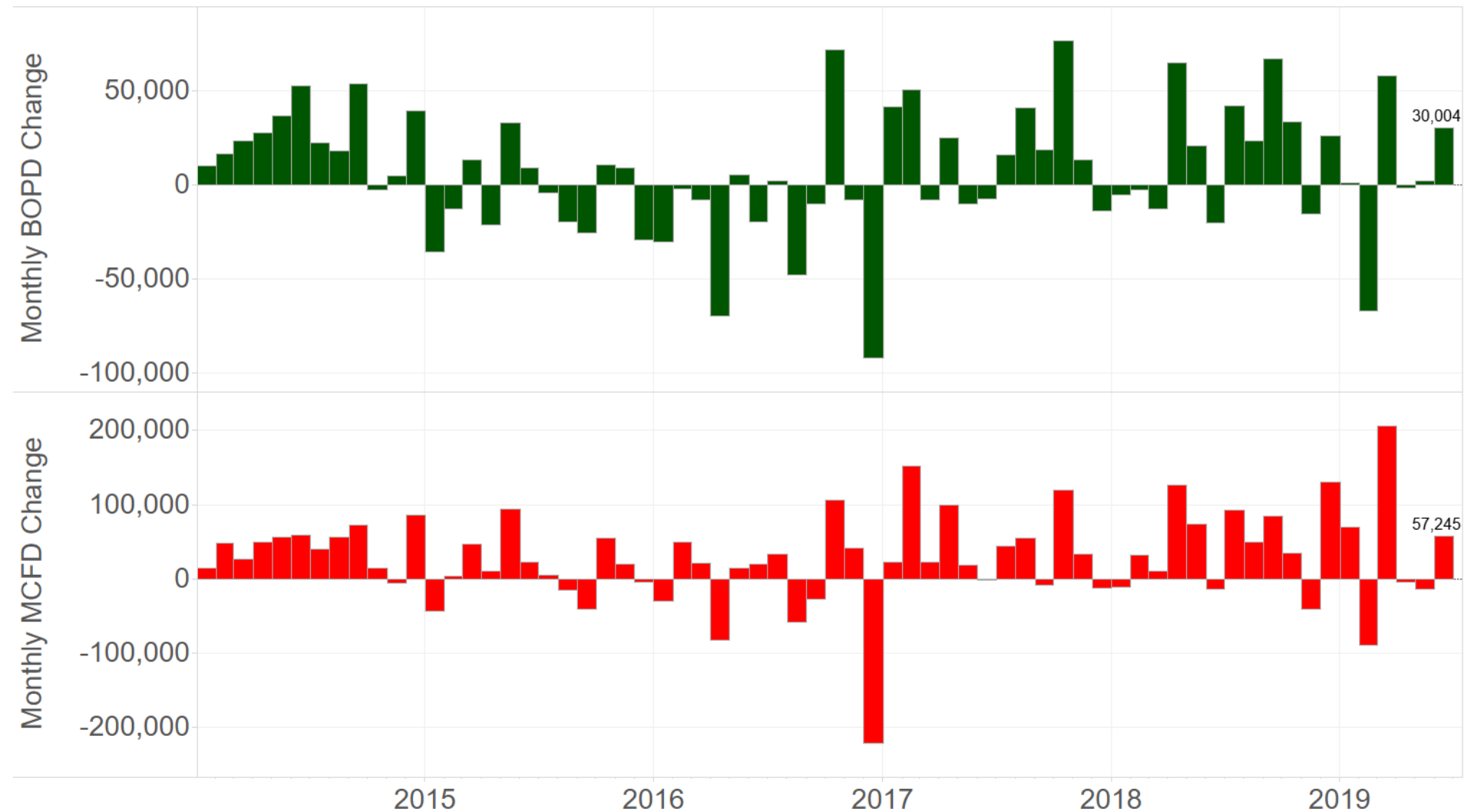
August 2019 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
August 15, 2019

US Williston Basin Oil Production - 2019

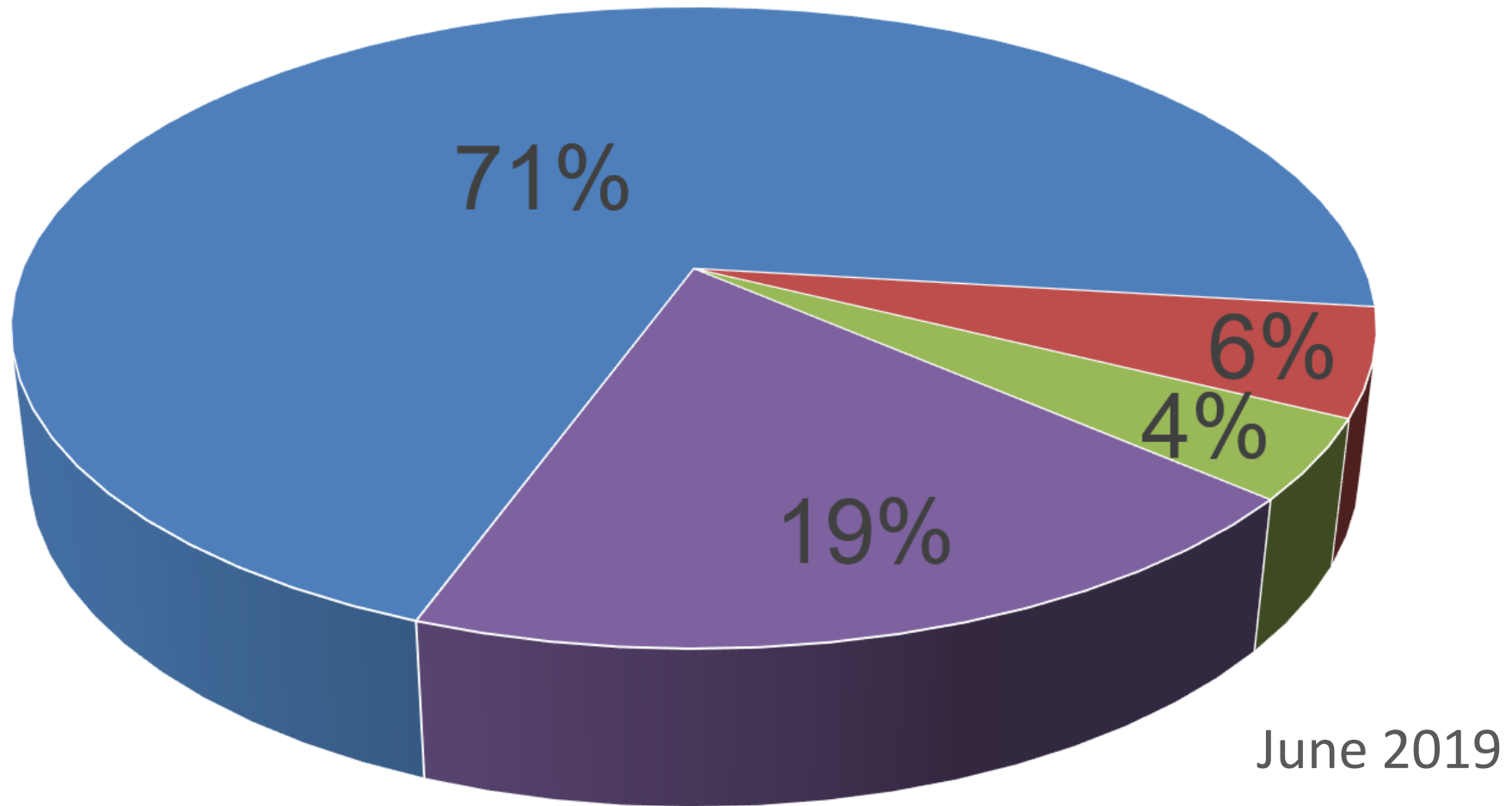
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,403,843	57,555	3,341	1,464,739
February	1,336,640	54,647	3,401	1,394,688
March	1,394,140	56,109	3,314	1,453,563
April	1,392,485	57,641	3,283	1,453,409
May	1,394,648	52,438	3,124	1,450,210
June	1,424,652			
July				
August				
September				
October				
November				
December				



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

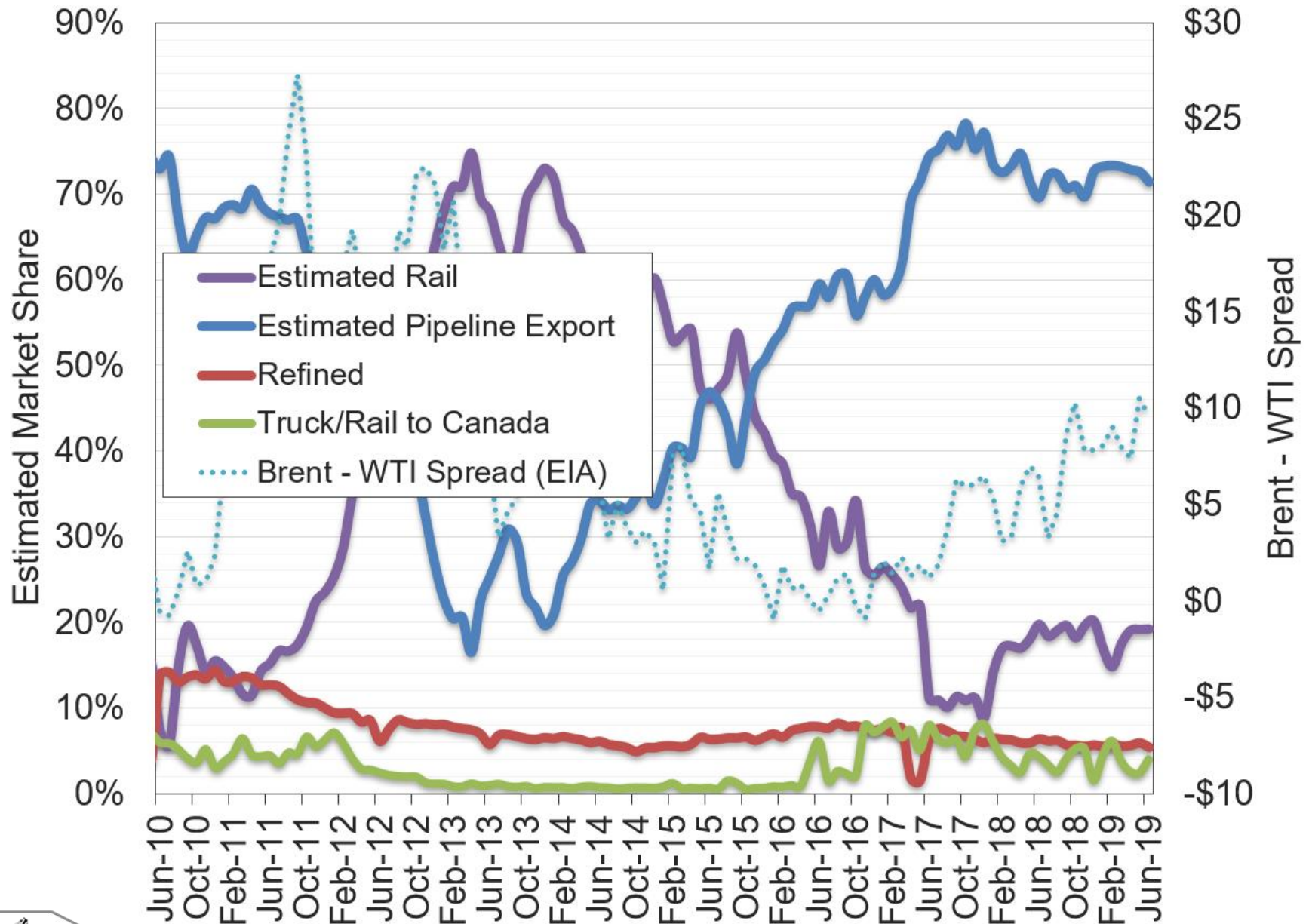
■ Truck/Rail to Canada

■ Refined

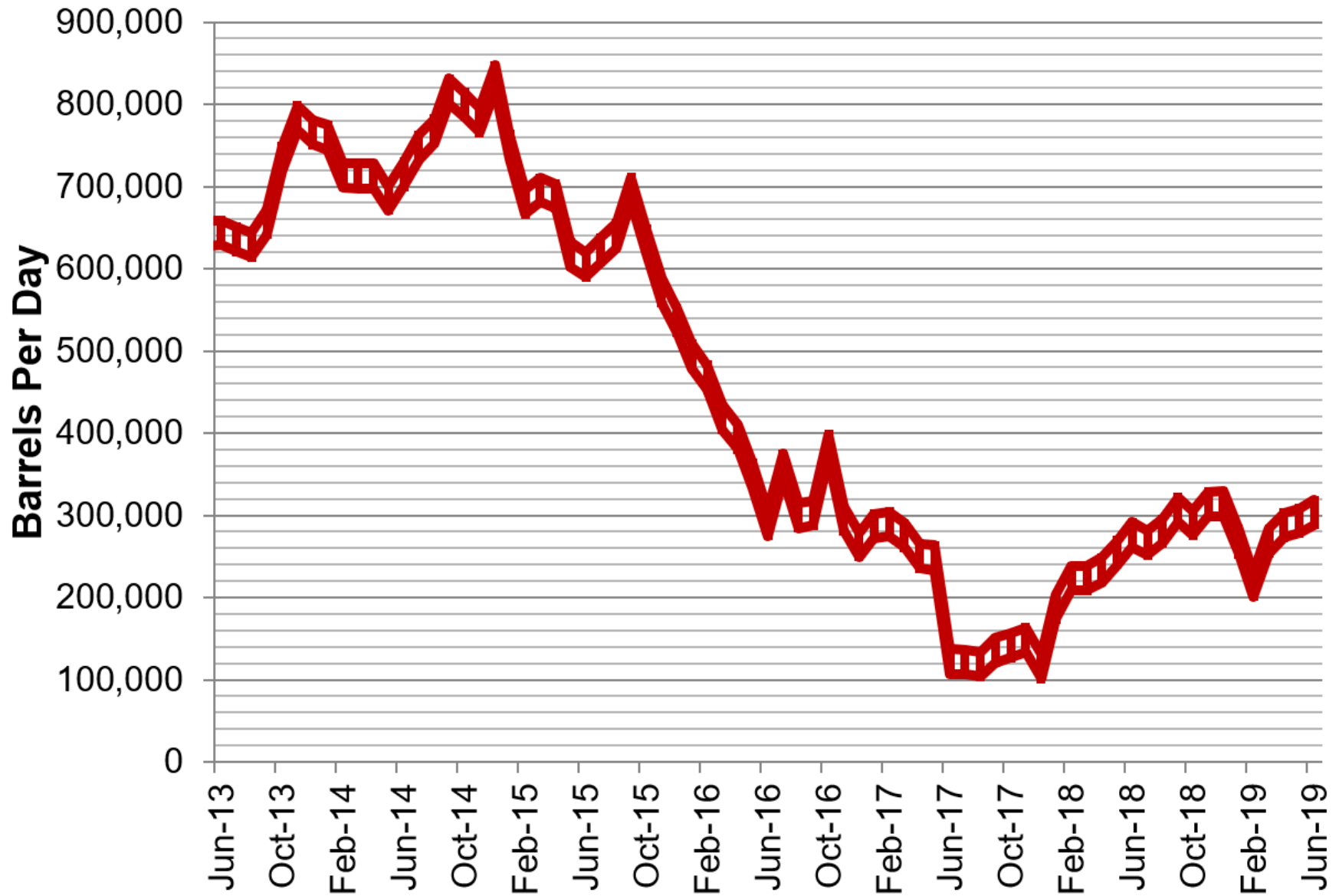
■ Estimated Rail



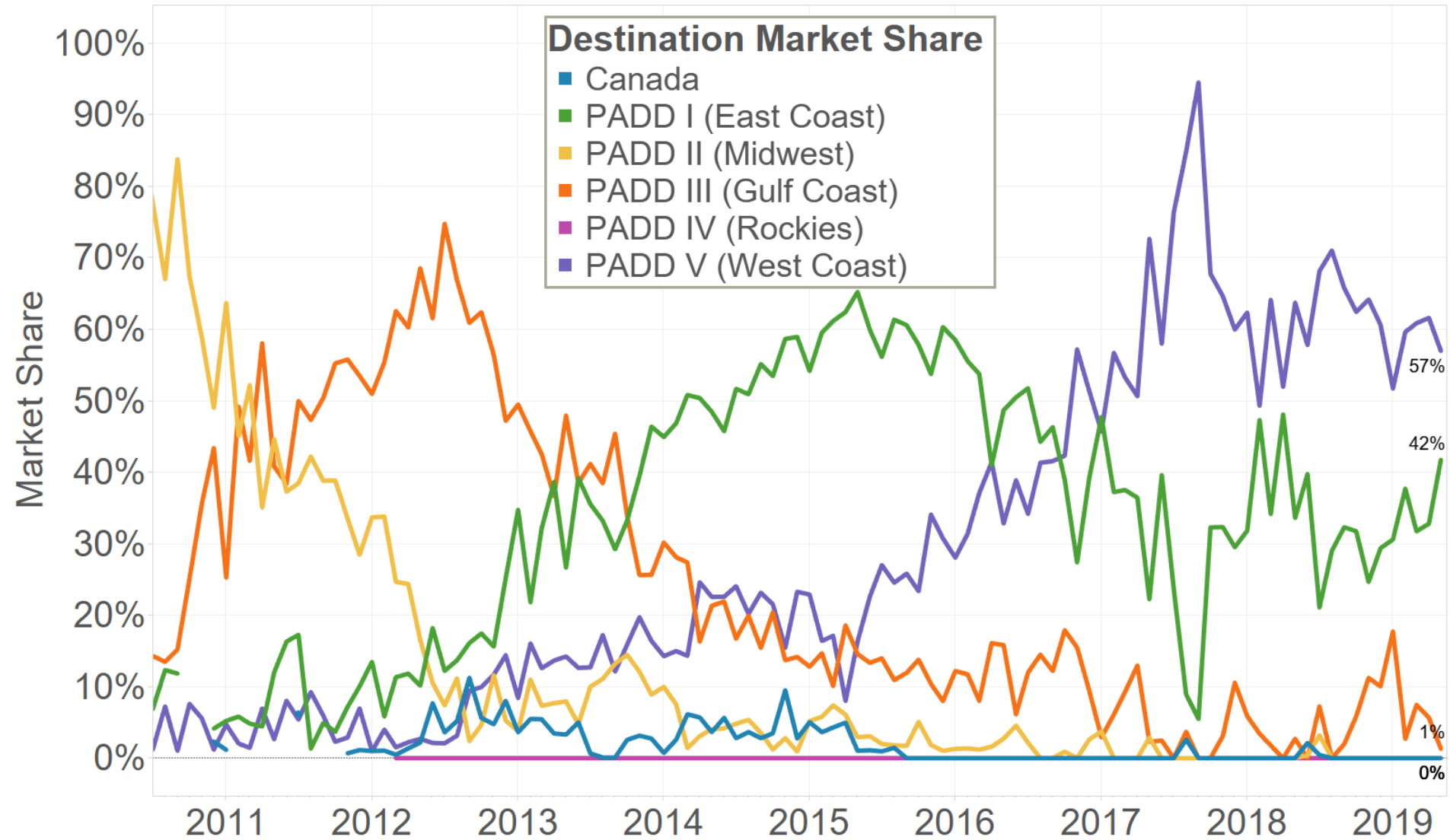
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



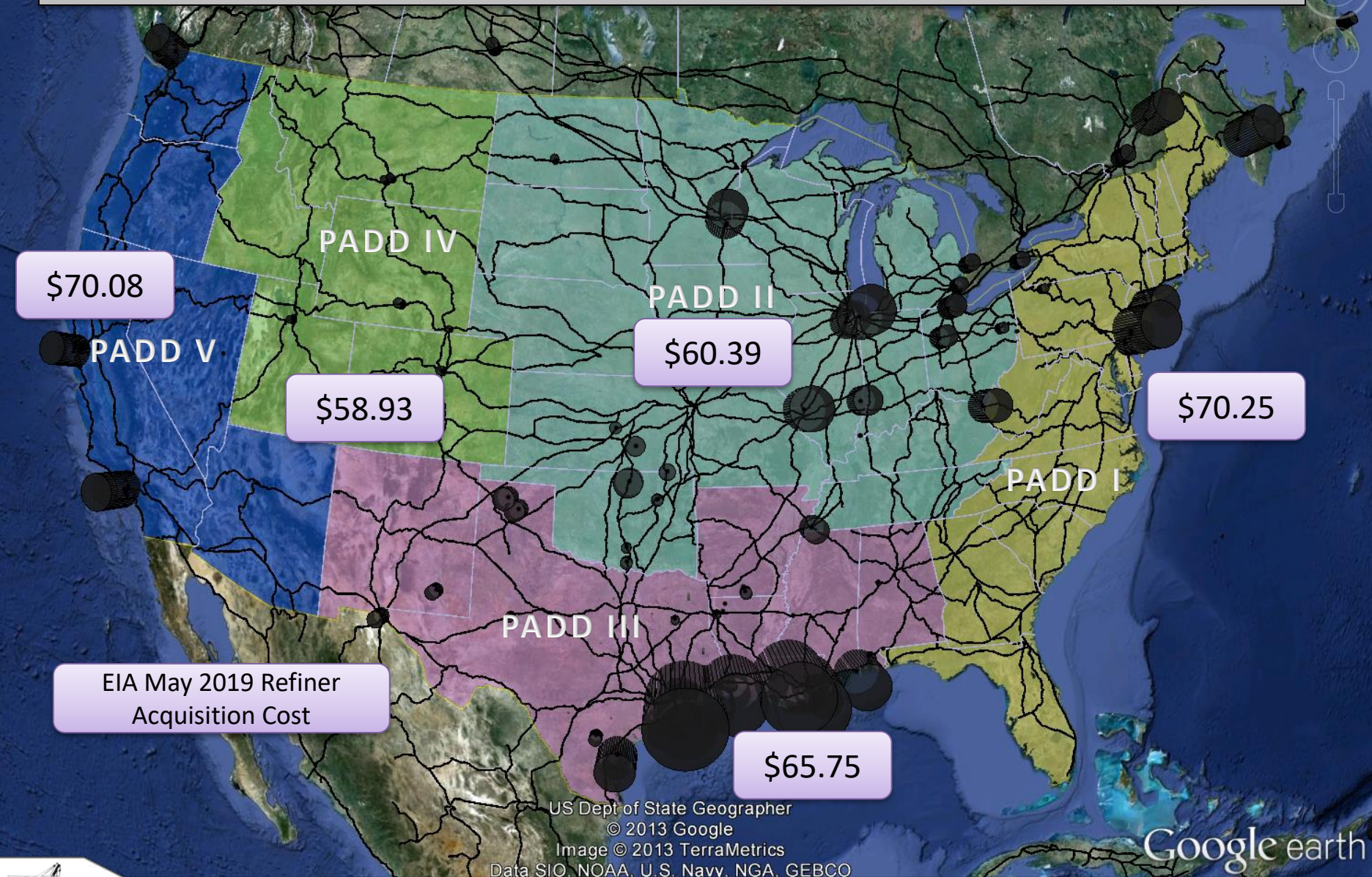
Rail Destinations Market Share (May 2019)



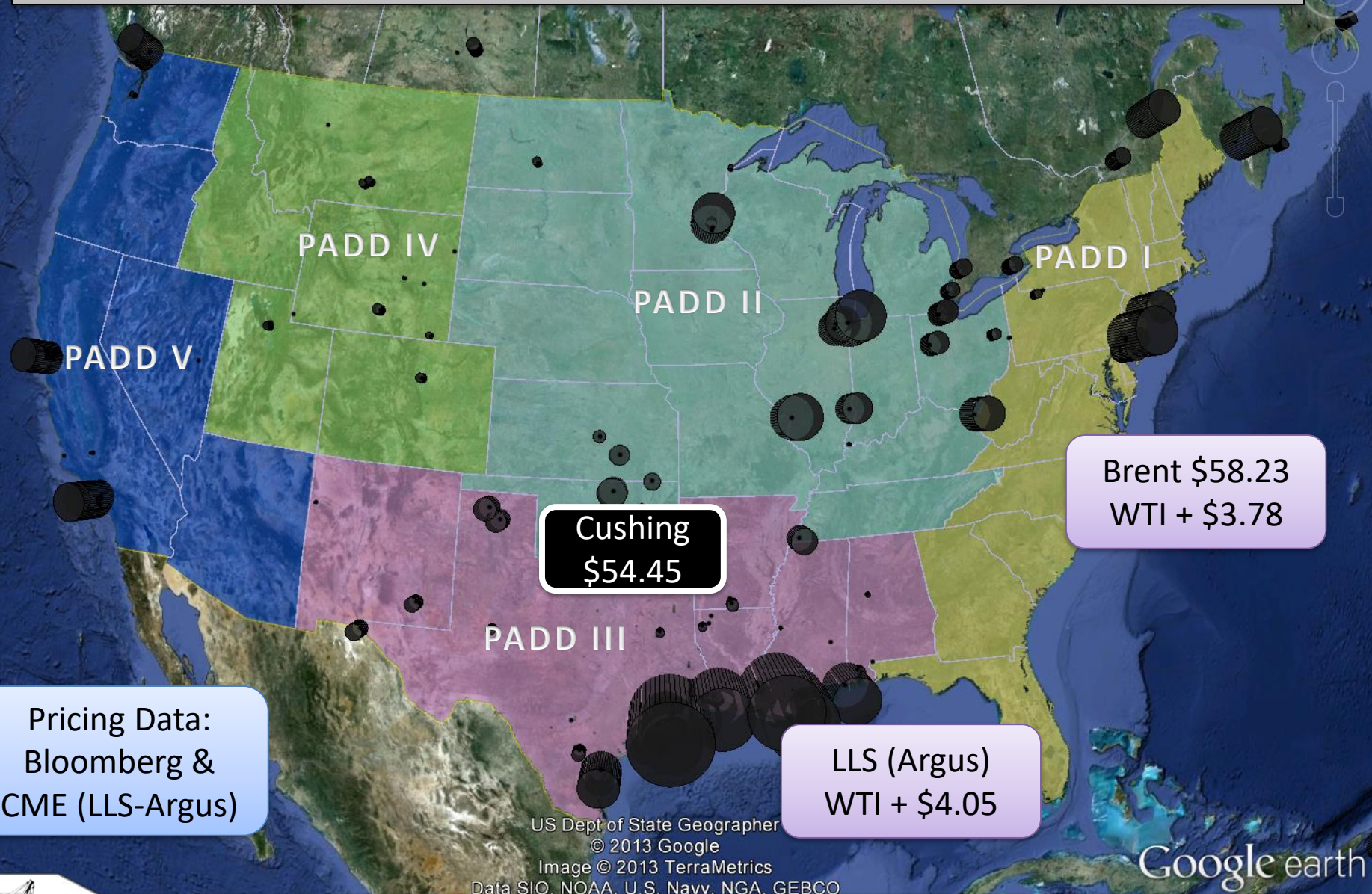
Data for Rail Destination Market Share Provided by the US Energy Information Administration



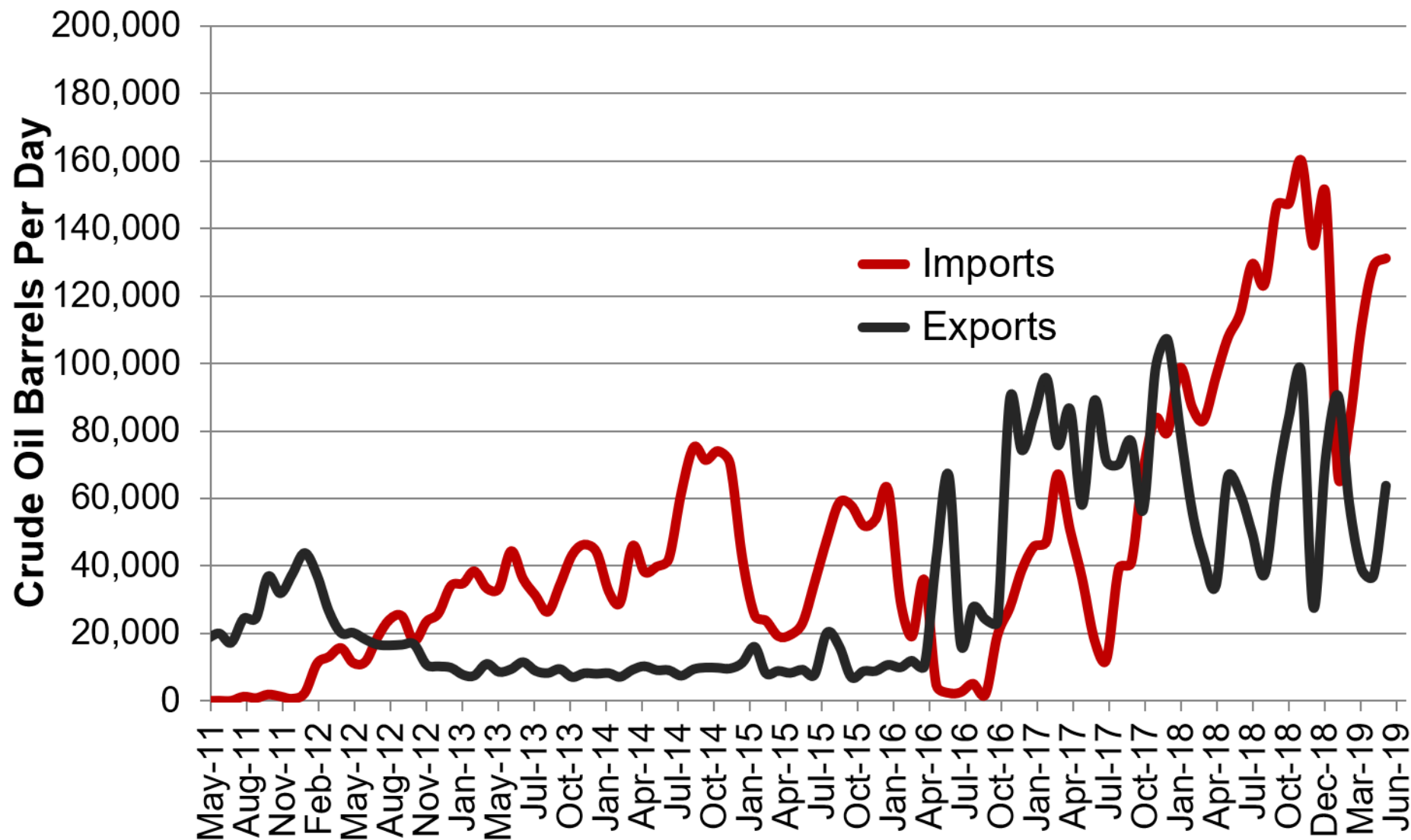
Major Rail Lines and Refineries



Crude Oil Prices – August 15, 2019



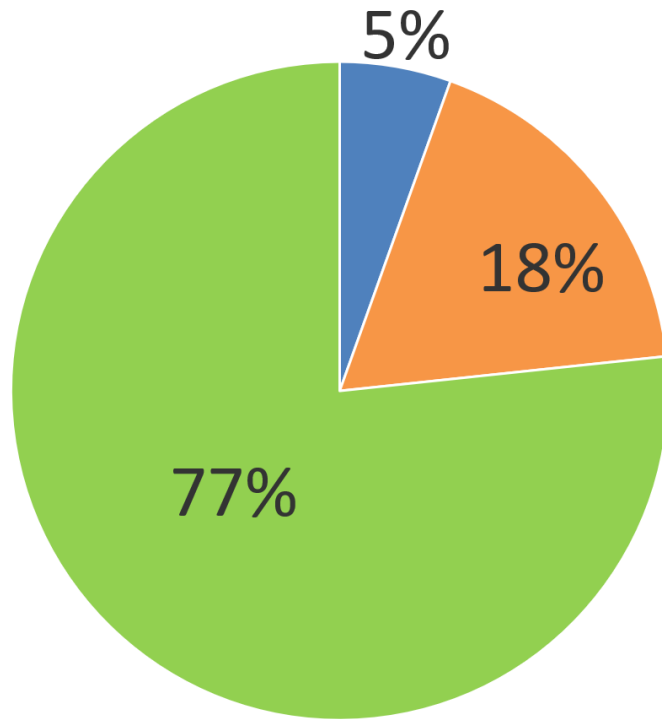
Williston Basin Truck/Rail Imports and Exports with Canada



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.

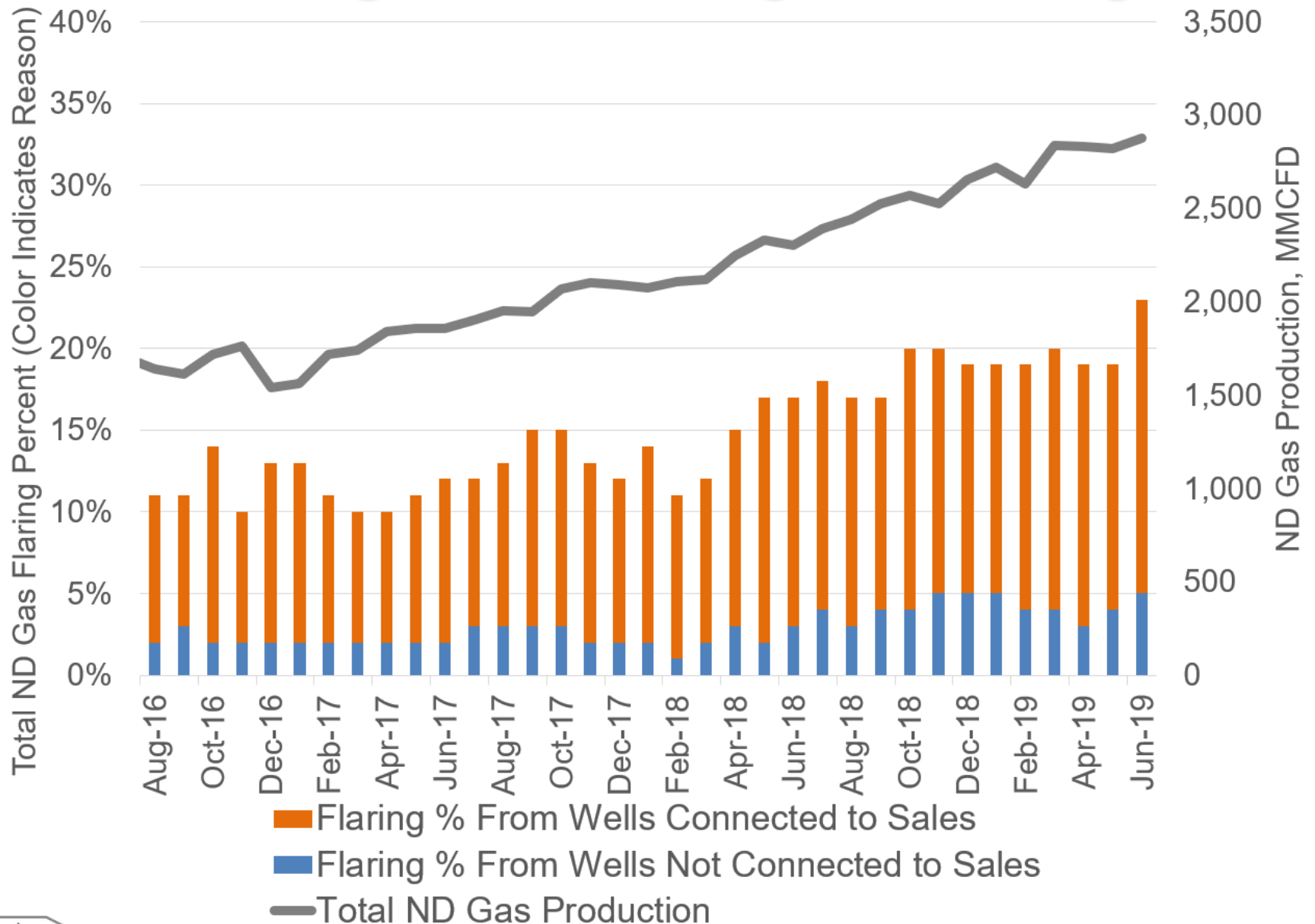
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

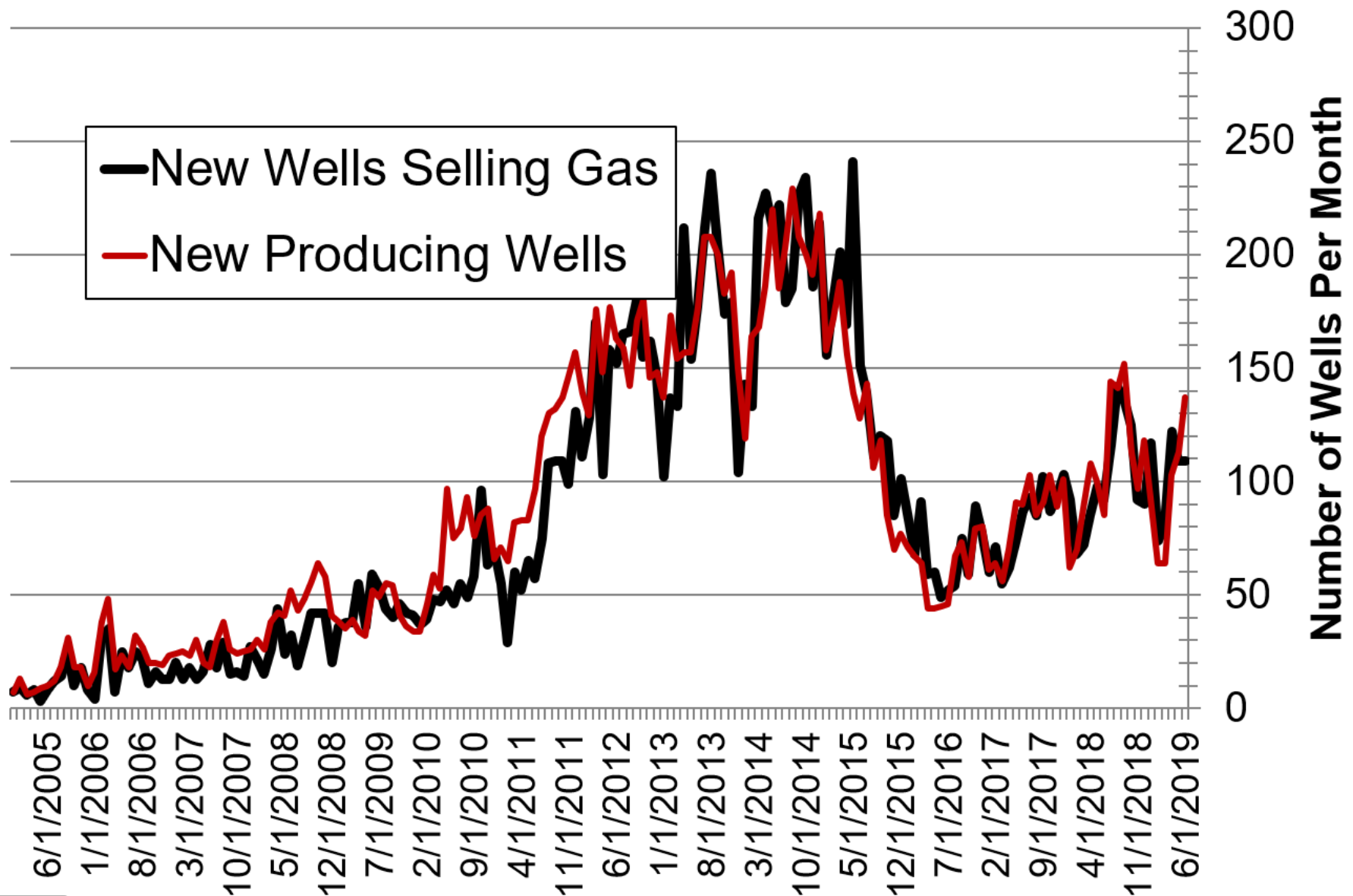
June 2019 Data – Non-Confidential Wells



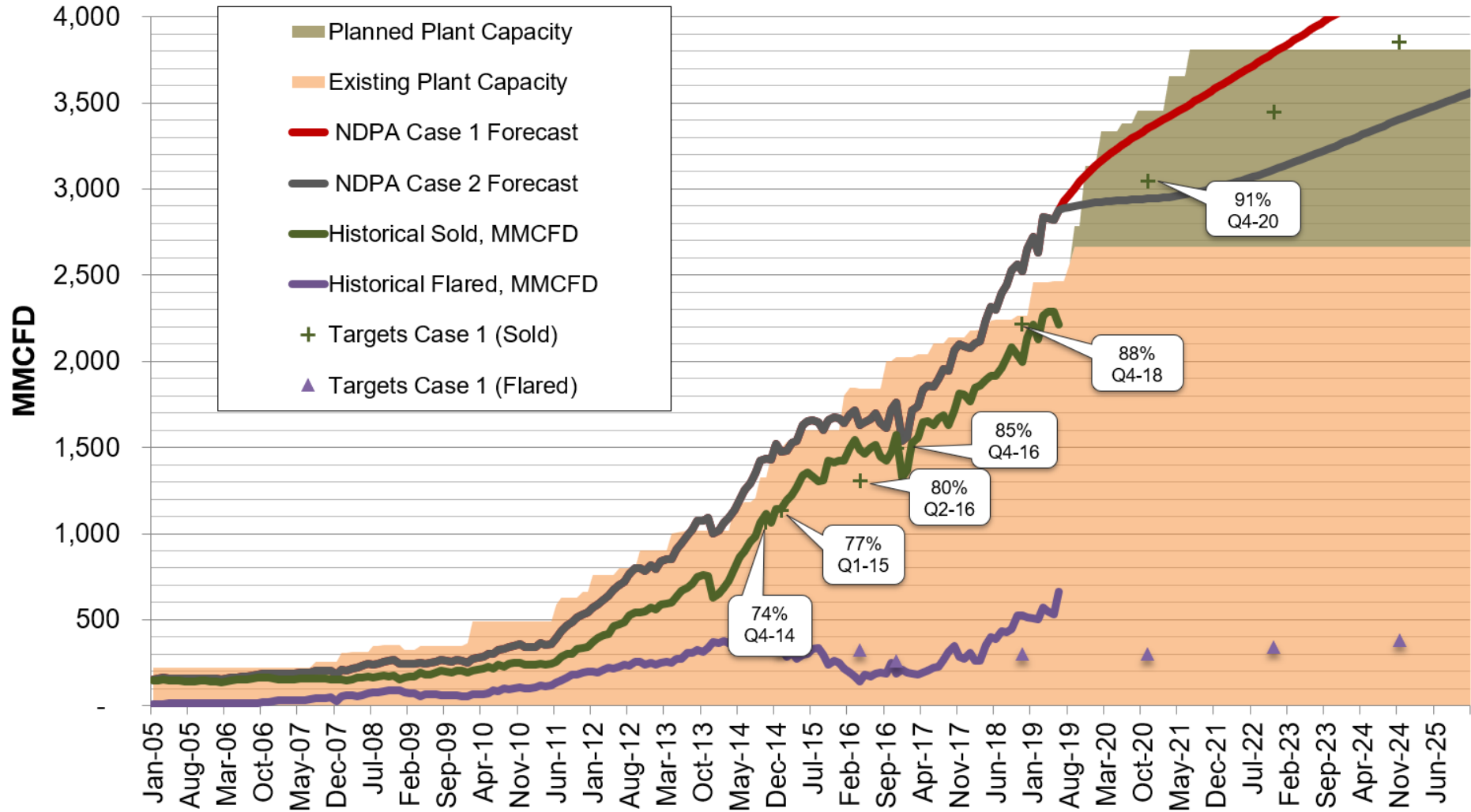
Solving the Flaring Challenge



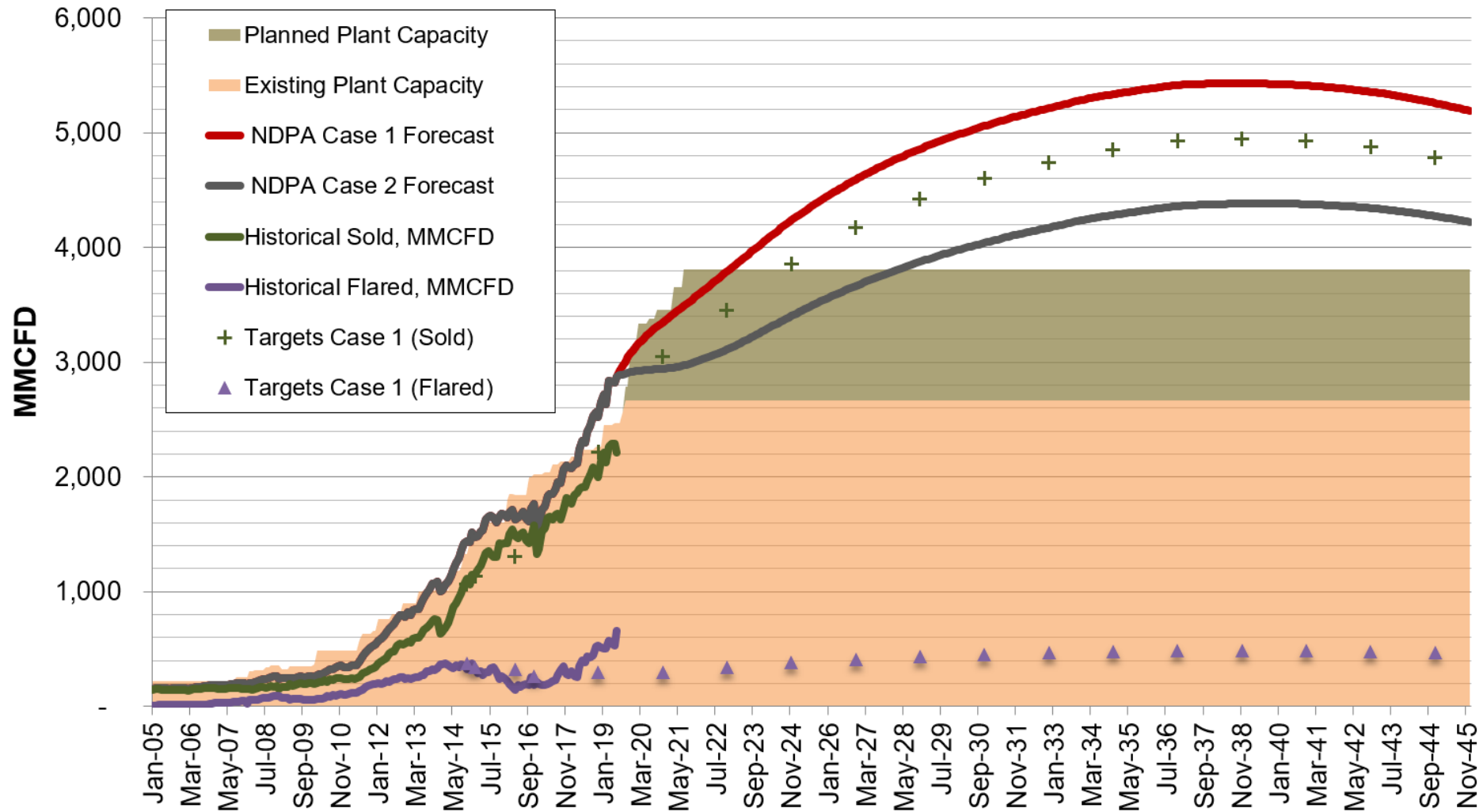
Solving the Flaring Challenge



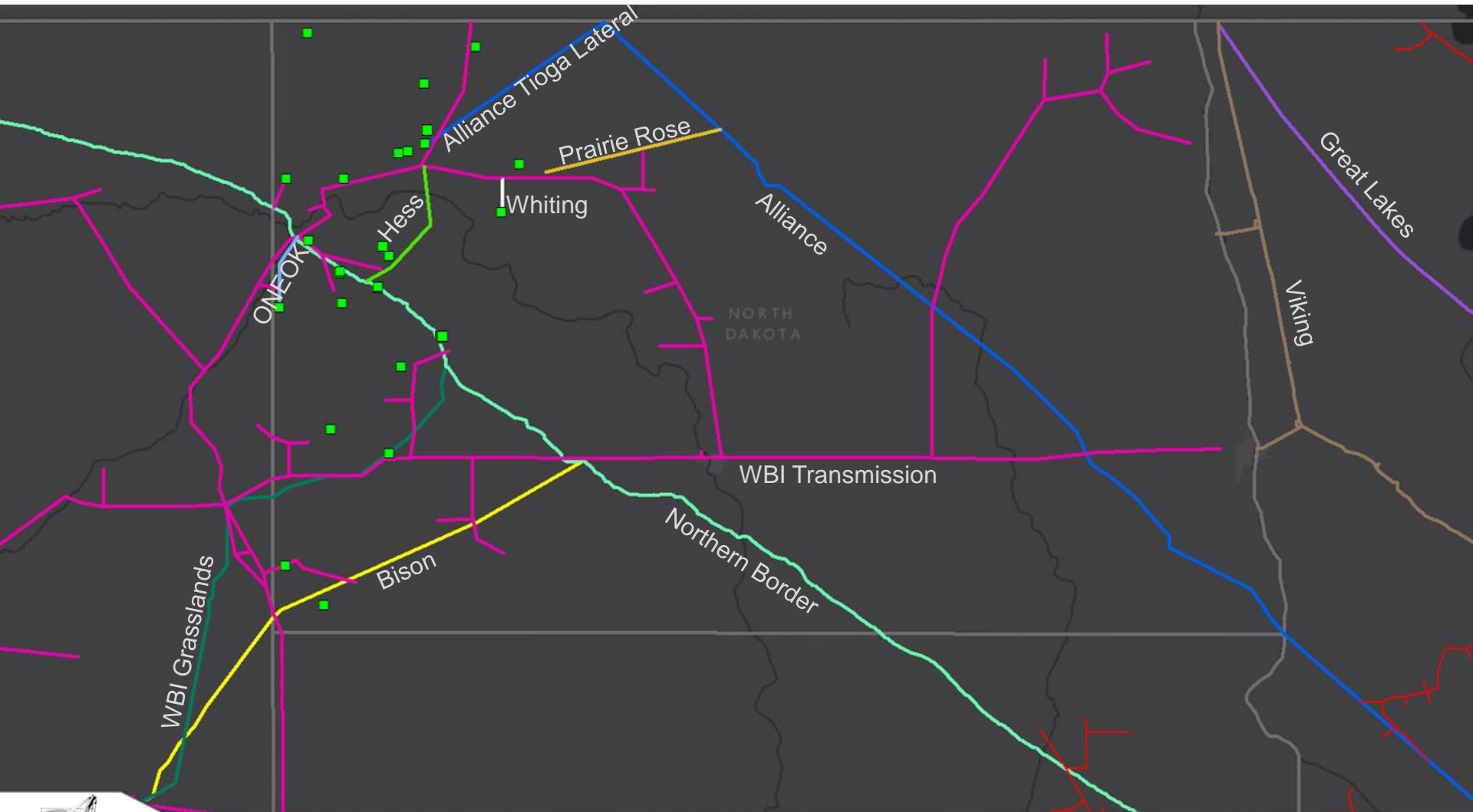
Solving the Flaring Challenge



Solving the Flaring Challenge



Major Gas Pipeline and Processing Infrastructure



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Call before you dig.**

