



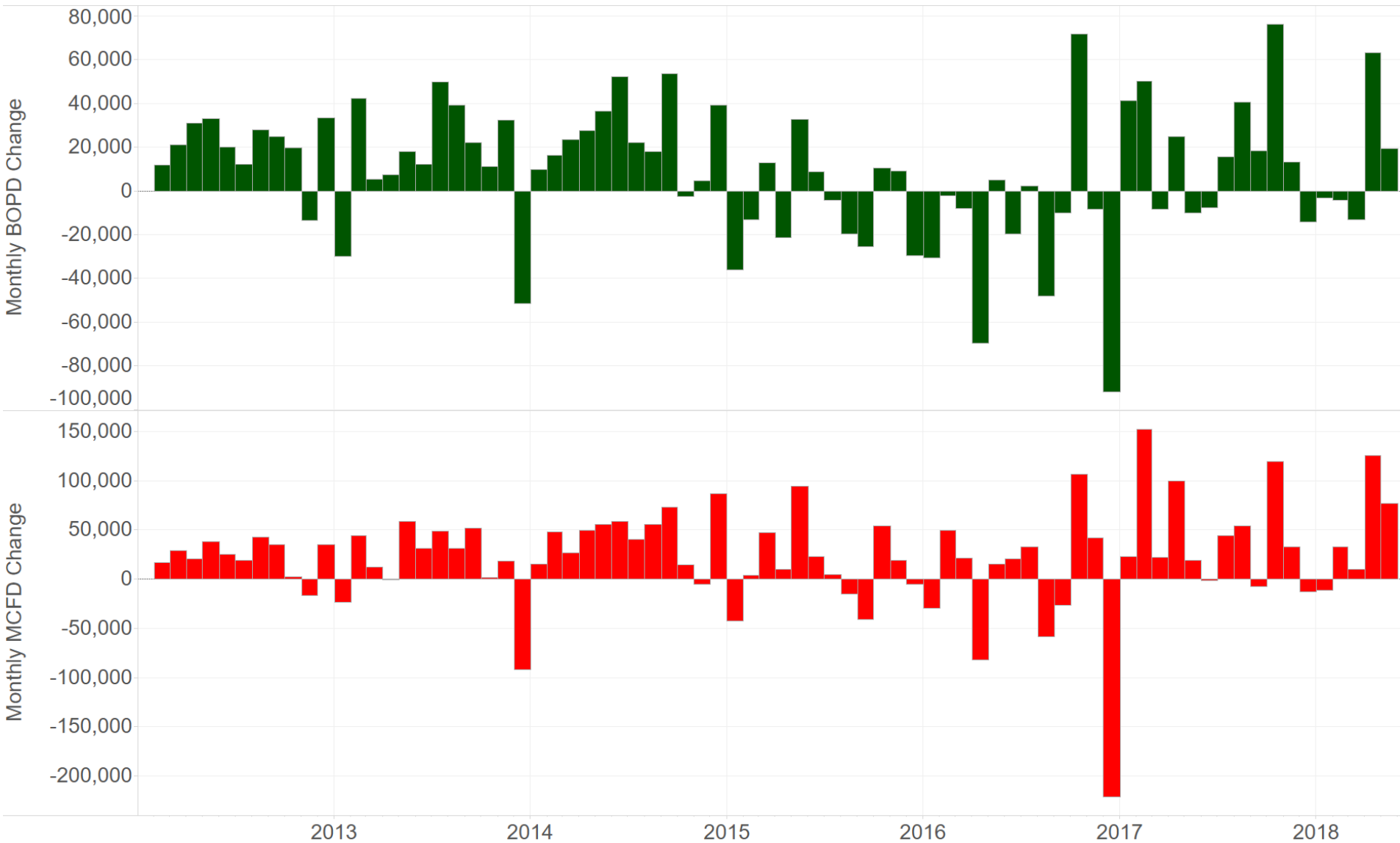
July 2018 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
July 13, 2018

US Williston Basin Oil Production - 2018

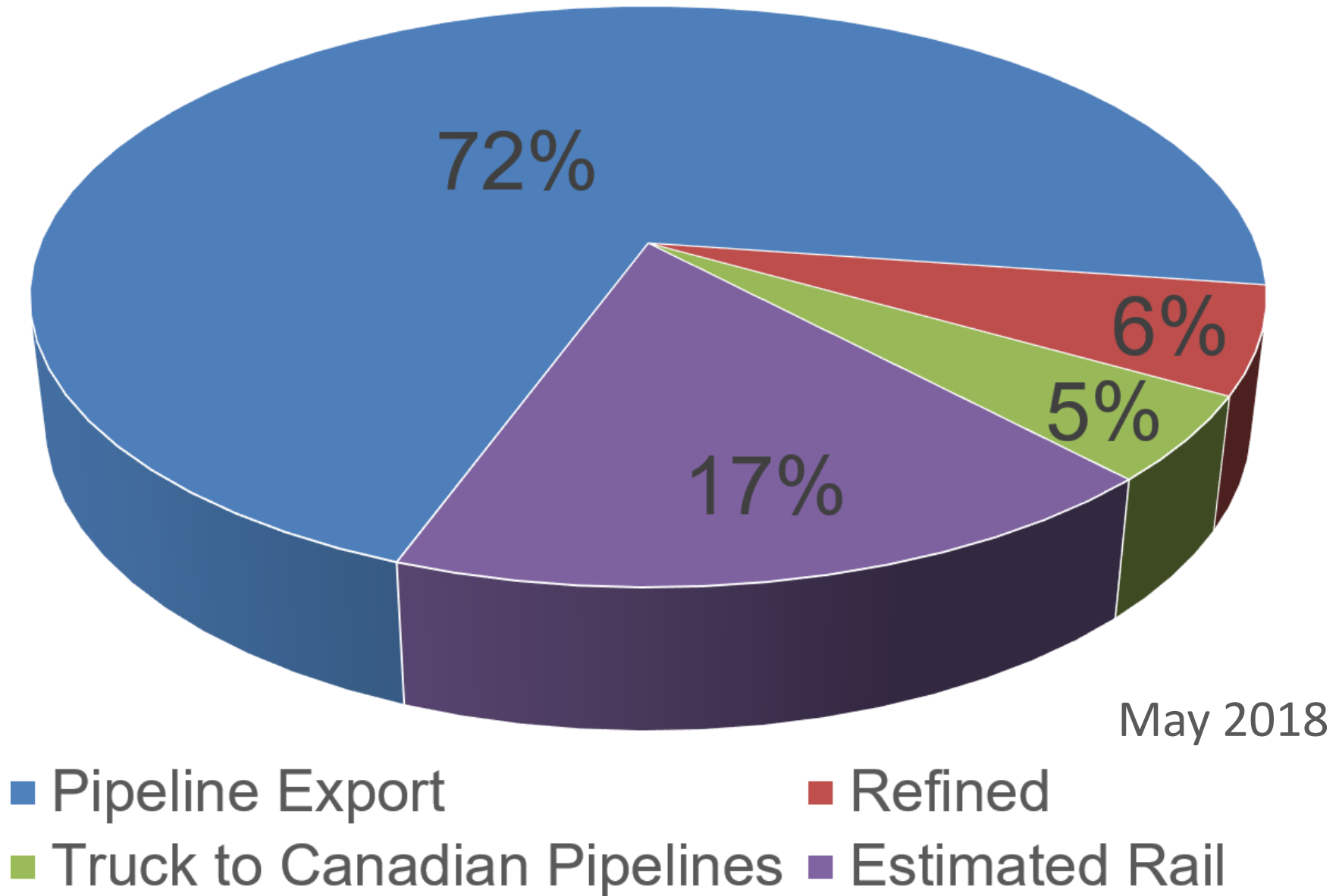
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,179,717	50,096	3,555	1,233,367
February	1,175,338	49,550	3,628	1,228,515
March	1,162,134	48,138	3,502	1,213,774
April	1,225,391	48,392	3,515	1,277,298
May	1,244,629			
June				
July				
August				
September				
October				
November				
December				



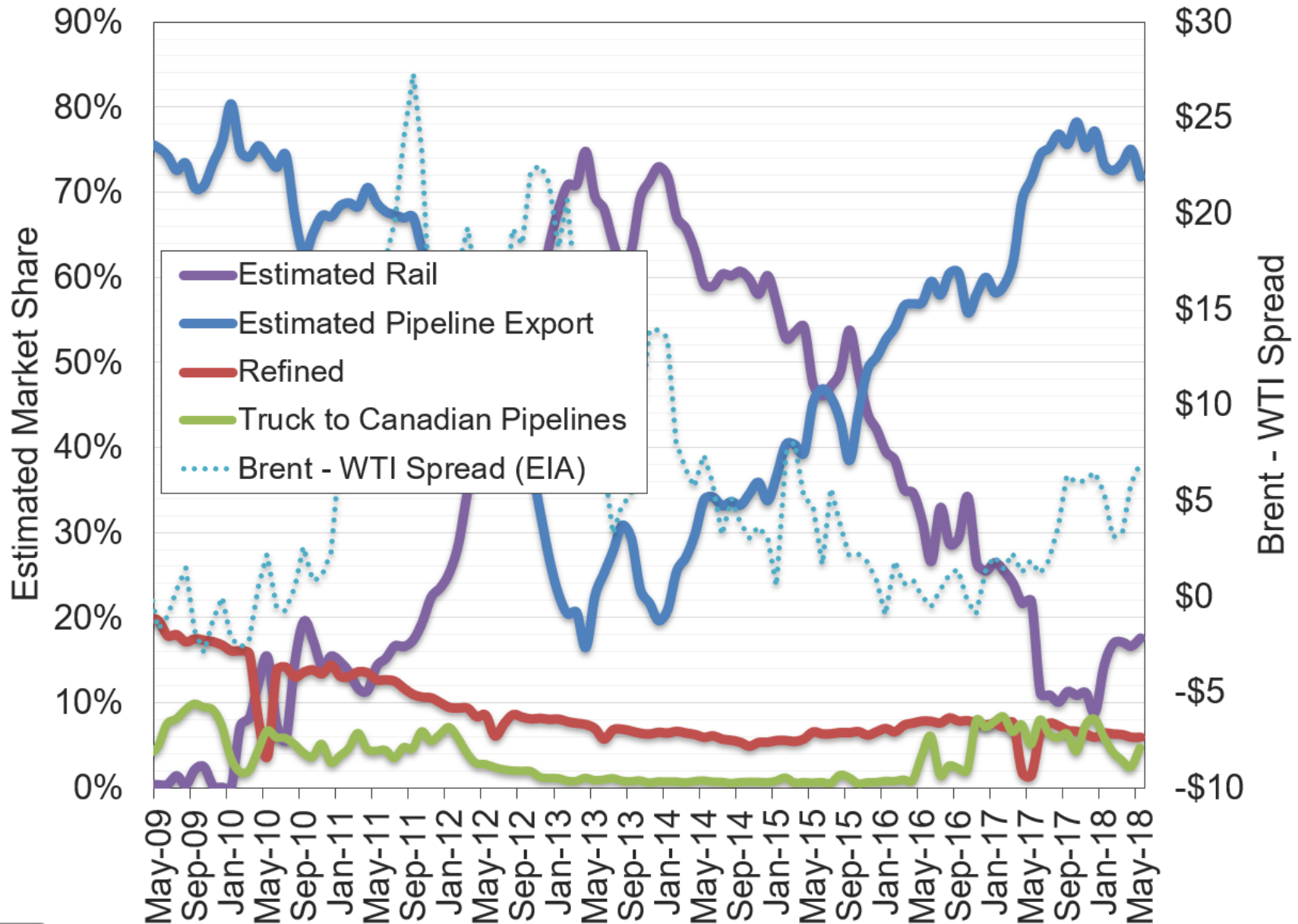
Monthly Production Change



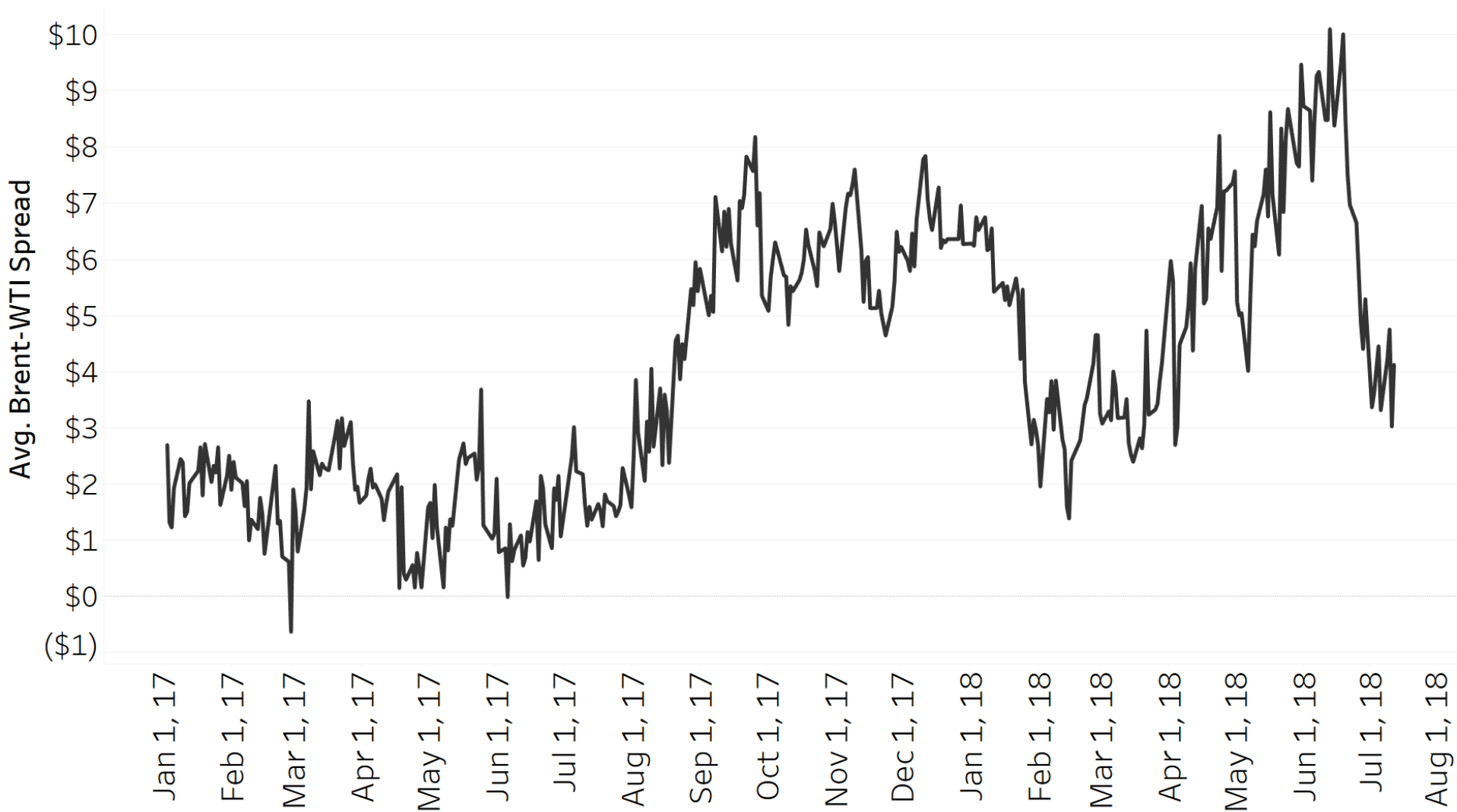
Estimated Williston Basin Oil Transportation



Estimated Williston Basin Oil Transportation



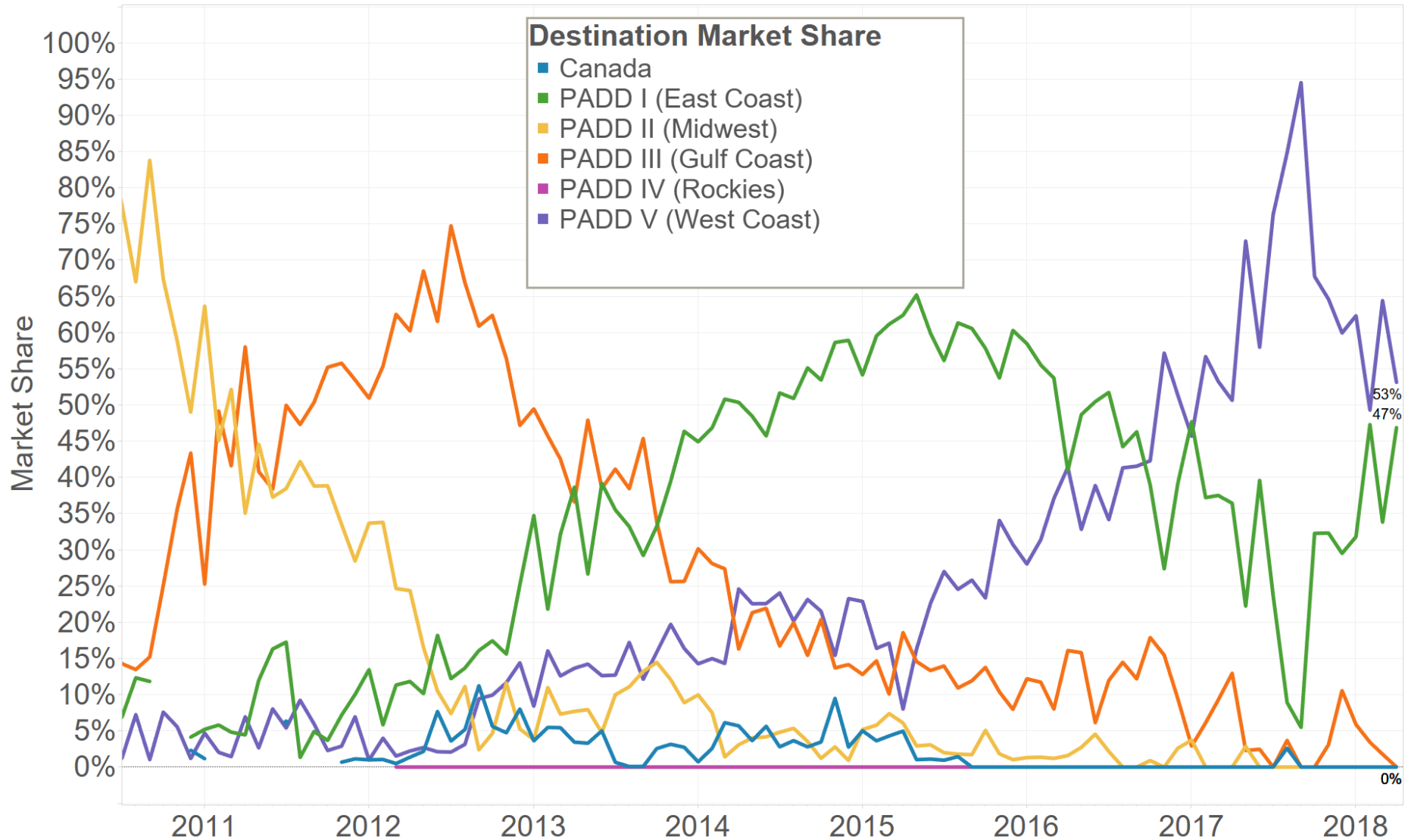
Brent – WTI Price Spread



Estimated ND Rail Export Volumes



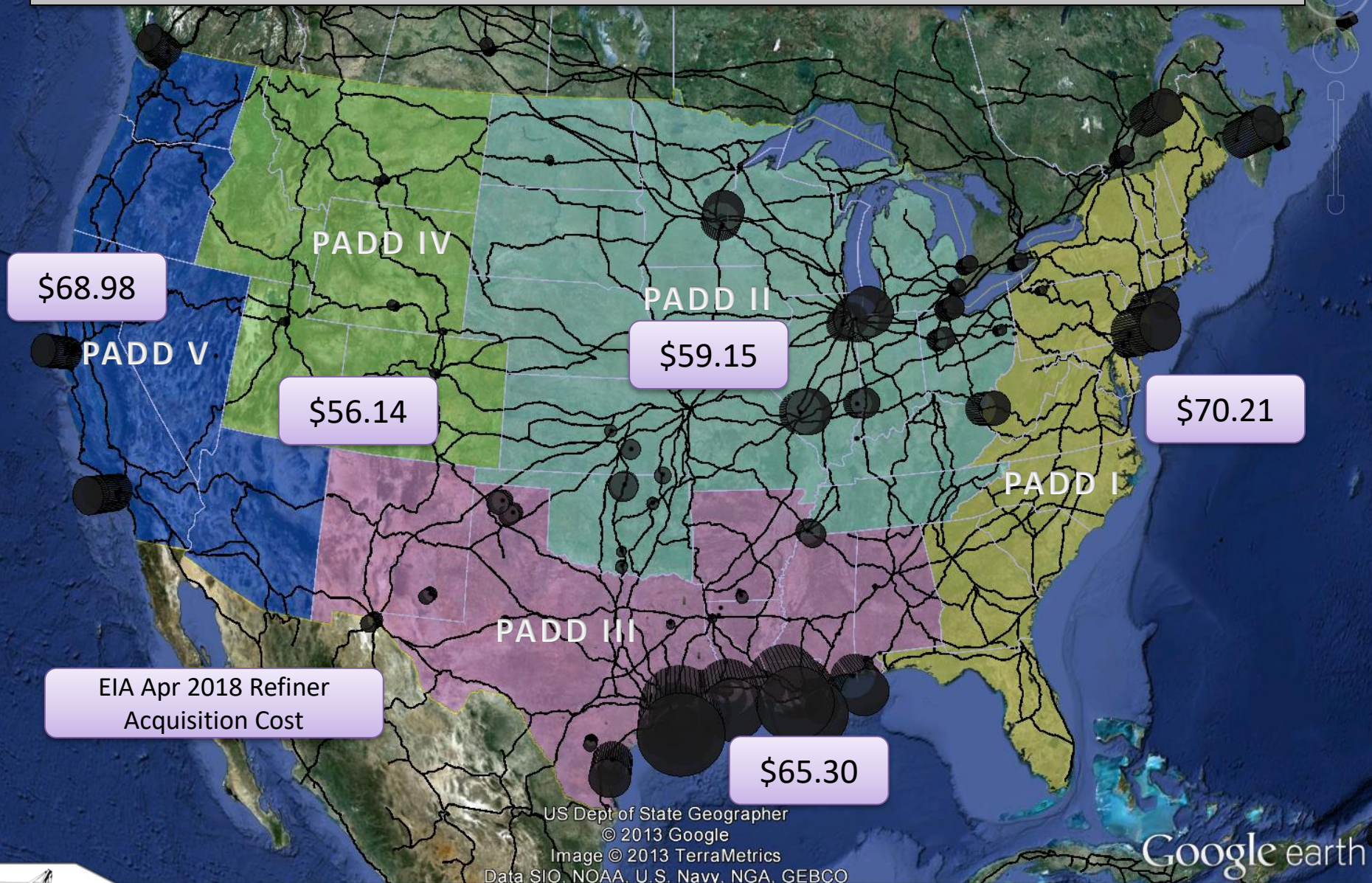
Rail Destinations Market Share (Apr 2018)



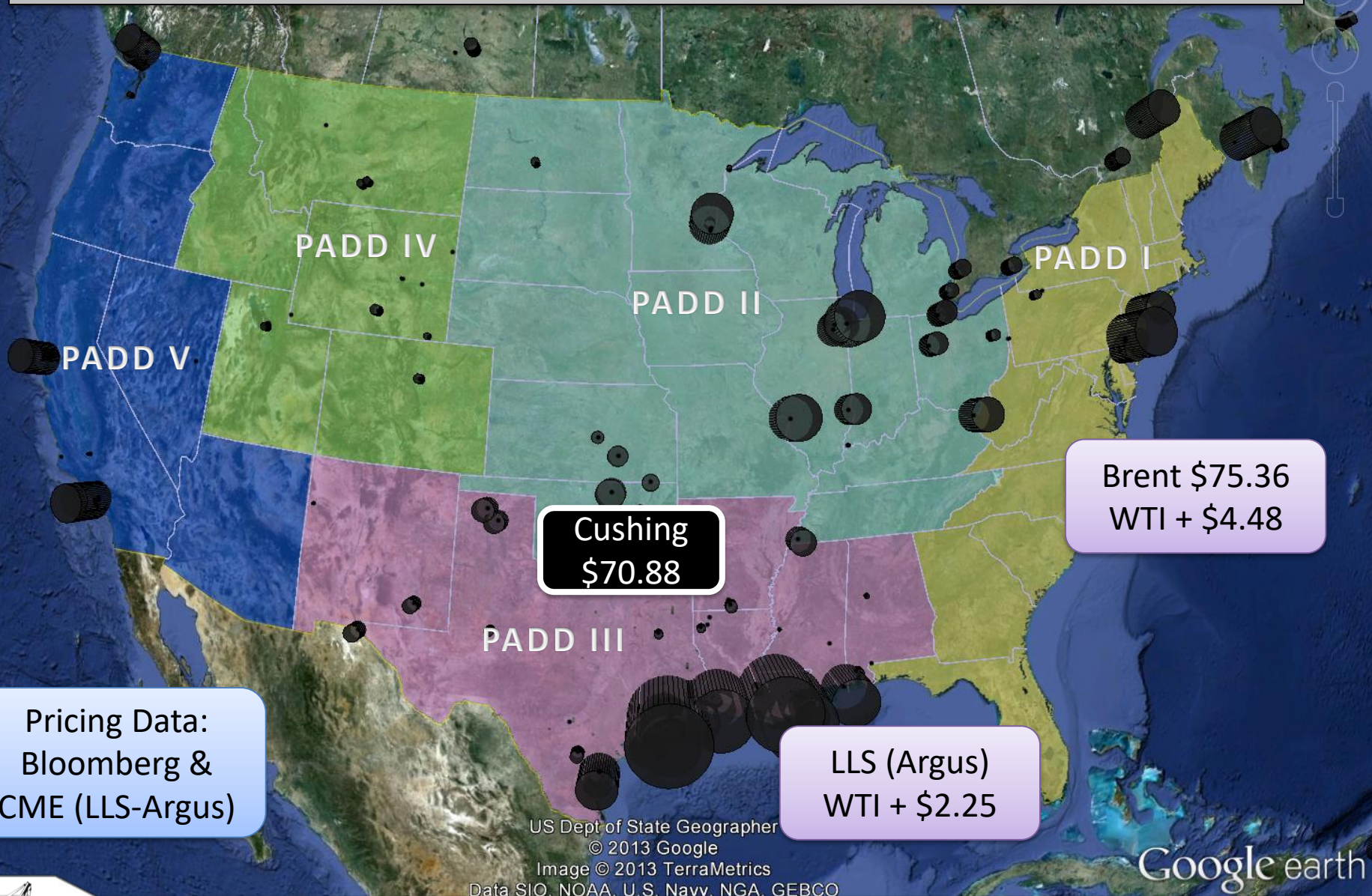
Data for Rail Destination Market Share Provided by the US Energy Information Administration



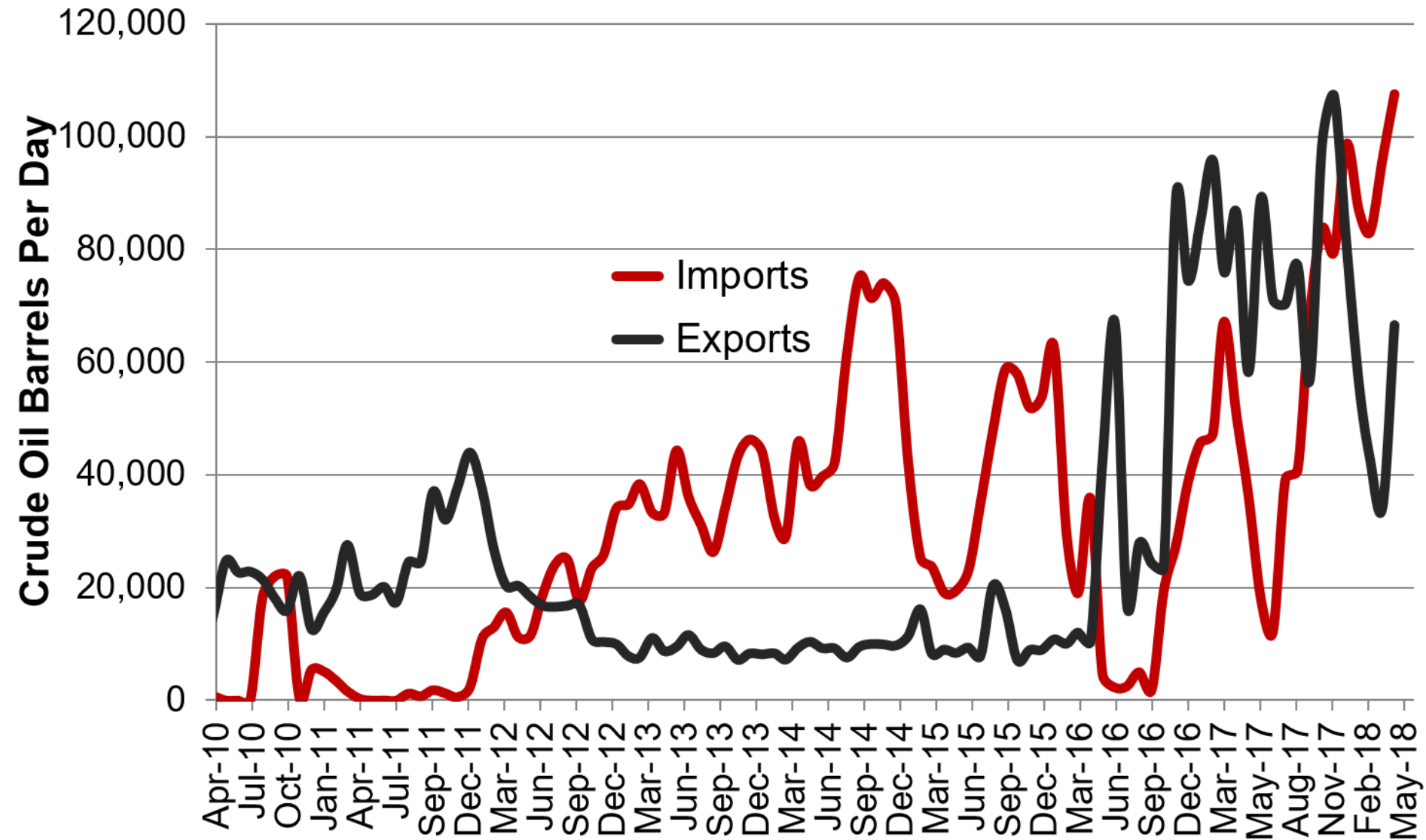
Major Rail Lines and Refineries



Crude Oil Prices – July 13, 2018



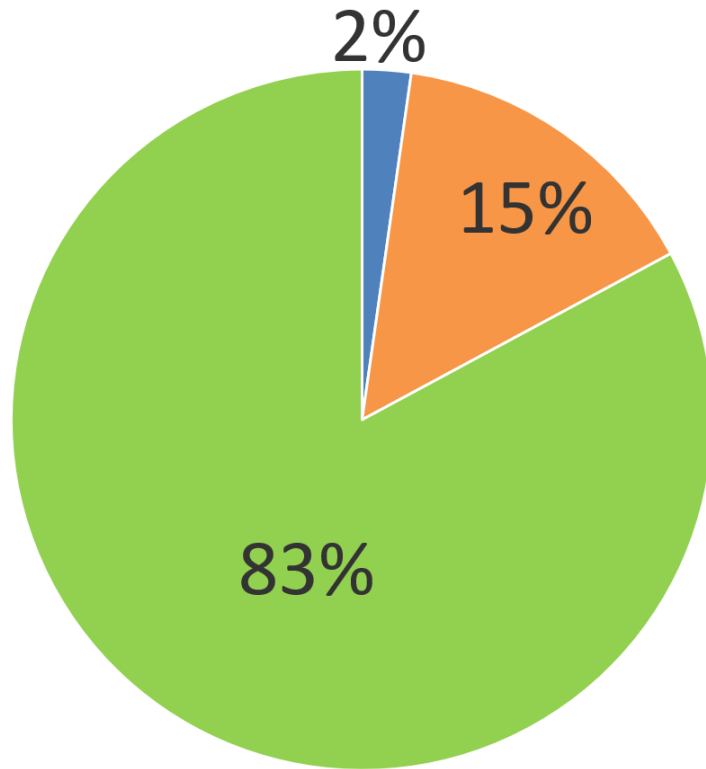
Williston Basin Truck Imports and Exports with Canada



Data for truck imports/exports chart is provided by the US International Trade Commission



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.

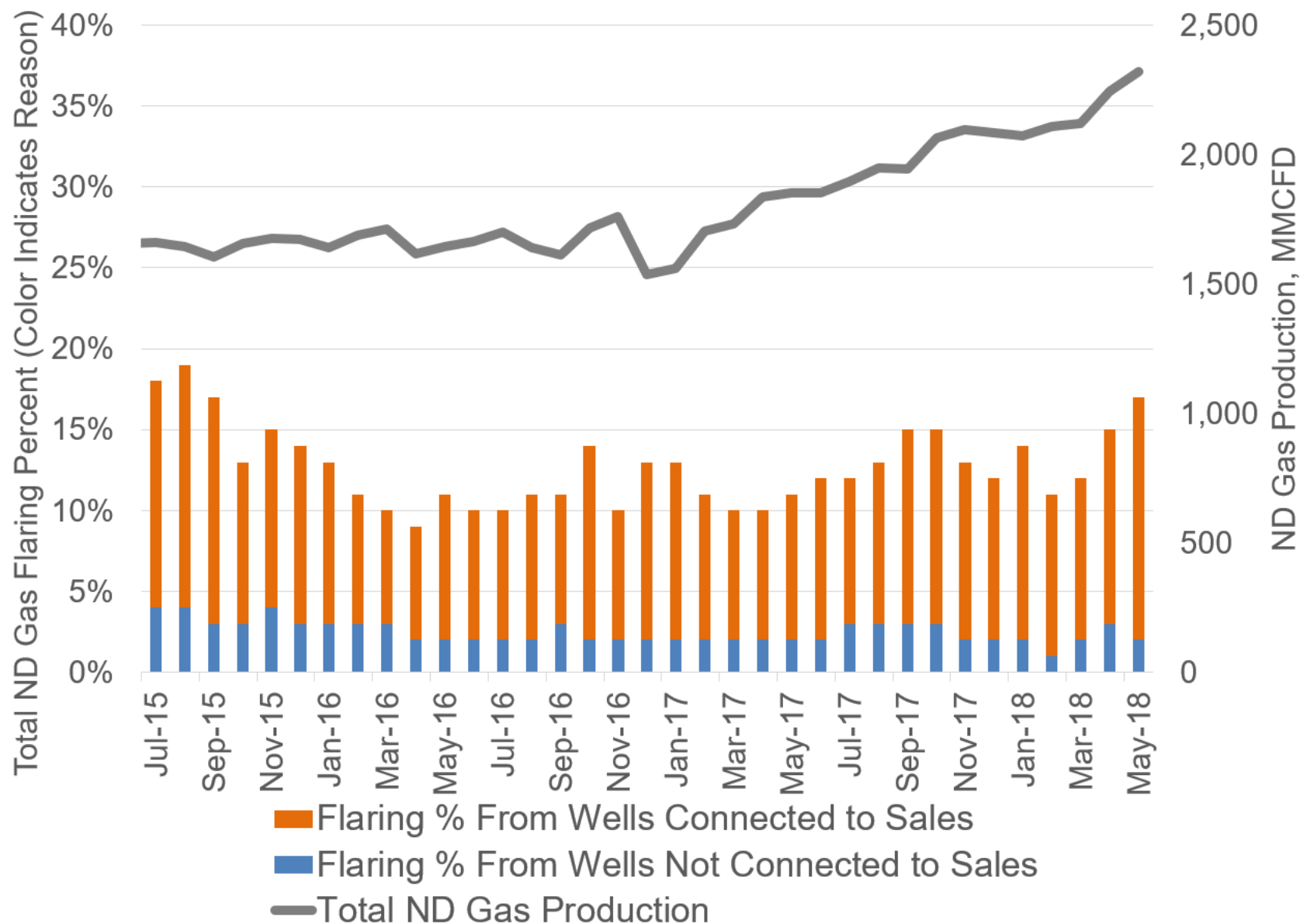
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

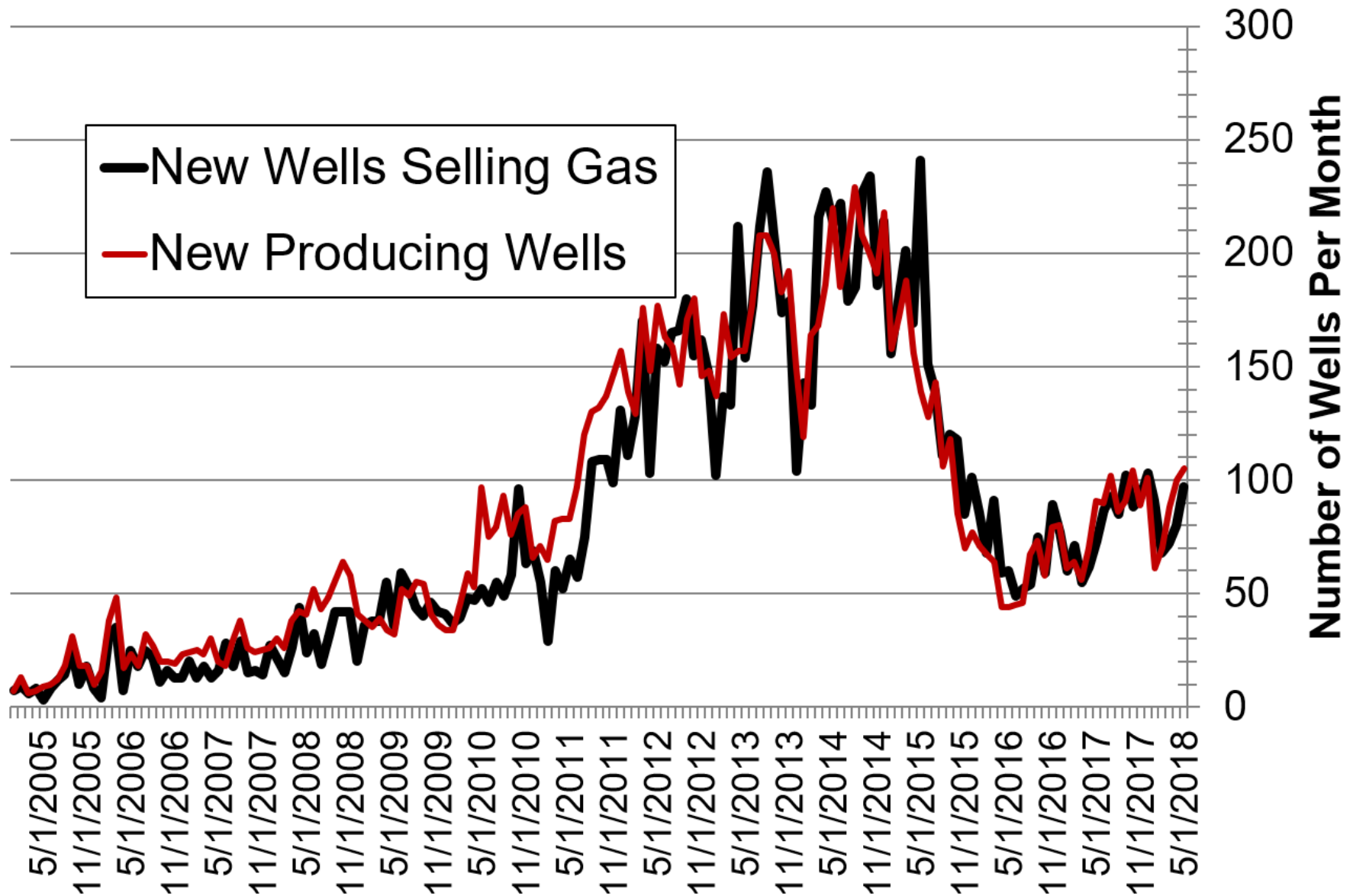
May 2018 Data – Non-Confidential Wells



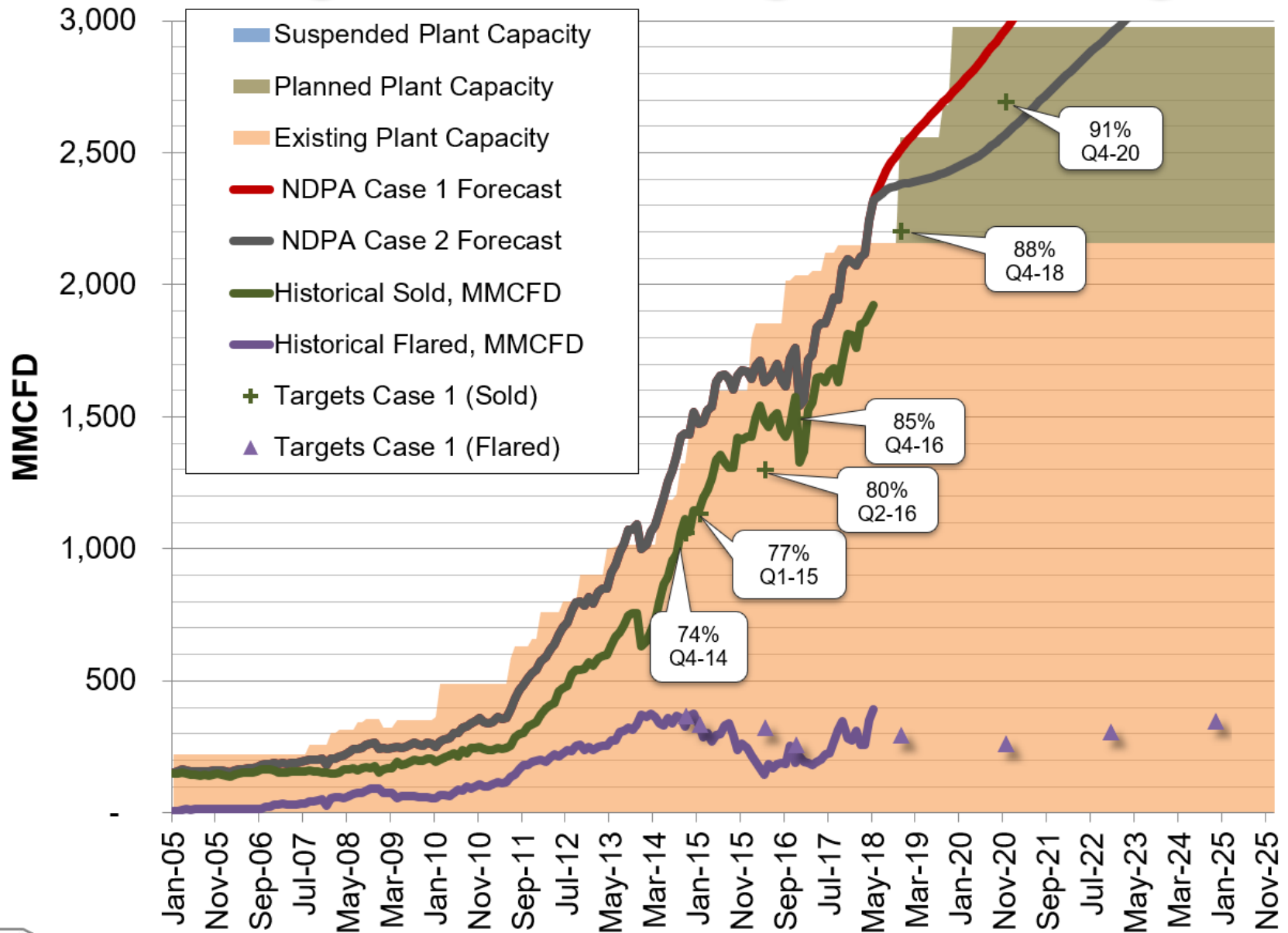
Solving the Flaring Challenge



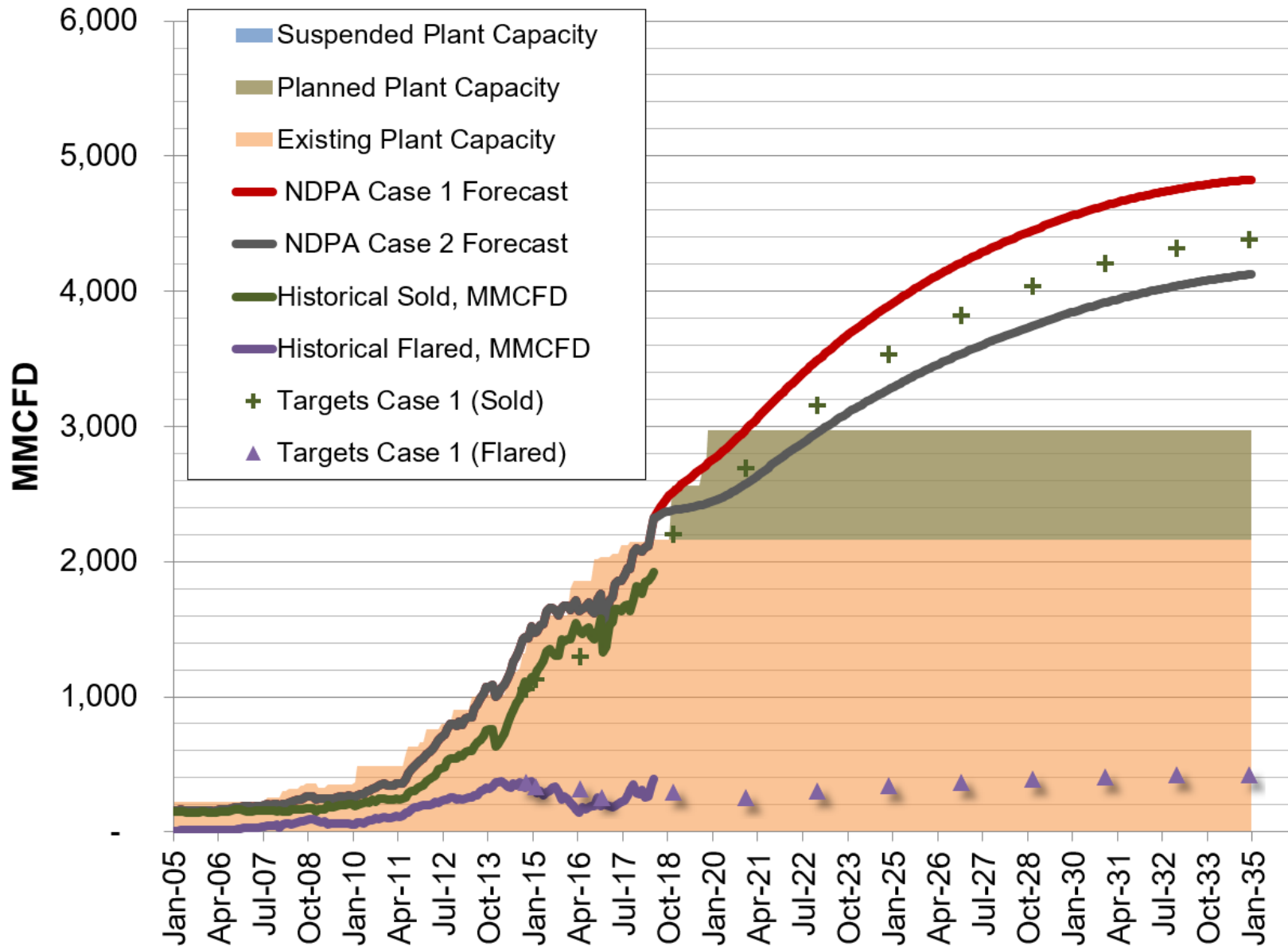
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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