



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

US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	983,826	52,727	3,553	1,040,106
February	1,034,177	53,978	3,718	1,091,873
March	1,025,839	52,935	3,705	1,082,478
April	1,050,837	52,461	3,768	1,107,066
May	1,040,659	53,014	3,389	1,097,062
June	1,032,942	52,976	3,563	1,089,480
July	1,048,570	51,790	3,529	1,103,889
August	1,089,277	52,204	3,565	1,145,046
September	1,107,464	51,334	3,568	1,162,366
October	1,183,810	50,569	3,616	1,237,995
November	1,196,976	49,760	3,572	1,250,308
December	1,182,836	48,824	3,366	1,235,026

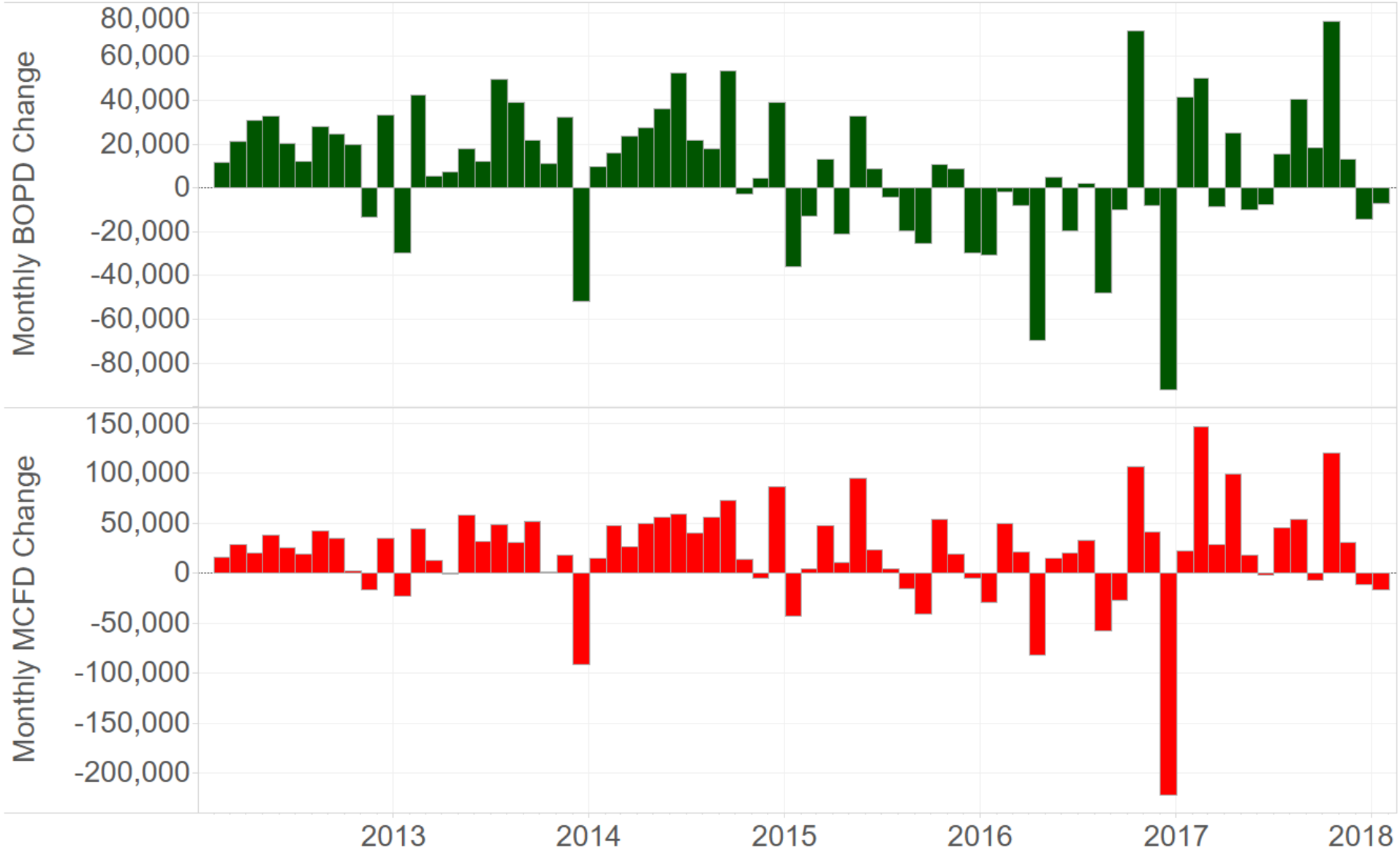


US Williston Basin Oil Production - 2018

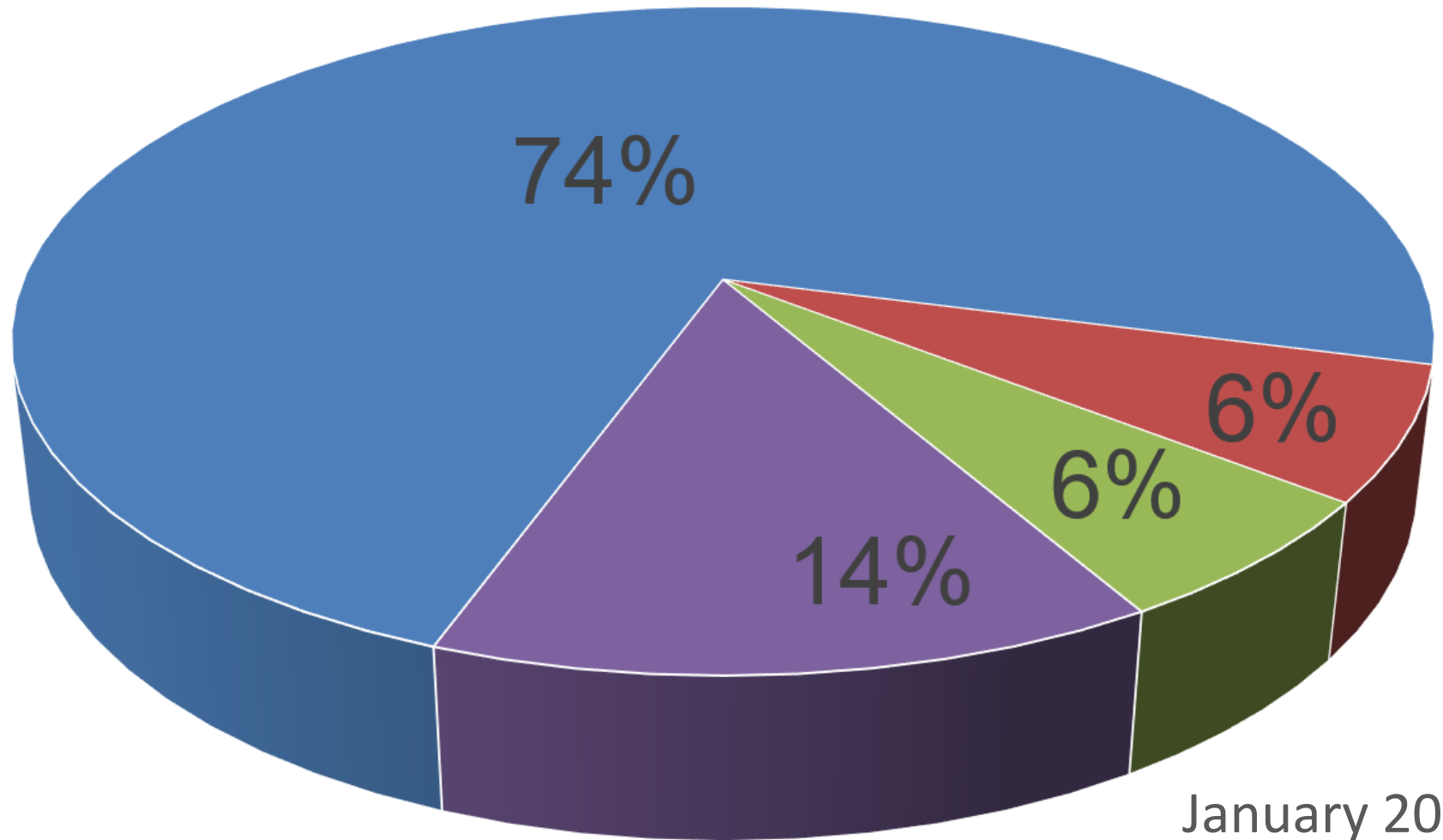
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,175,638			1,175,638
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

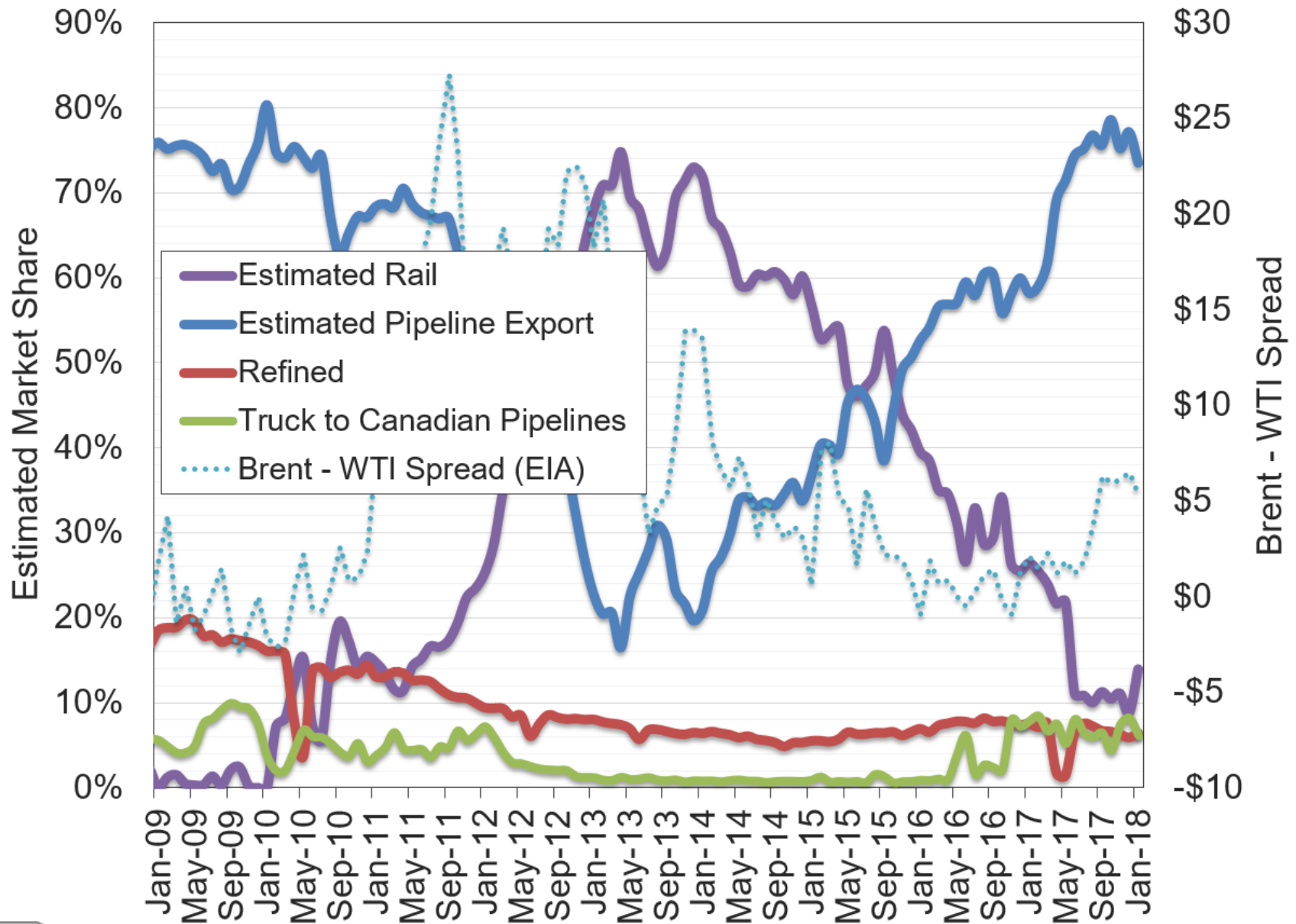
■ Refined

■ Truck to Canadian Pipelines

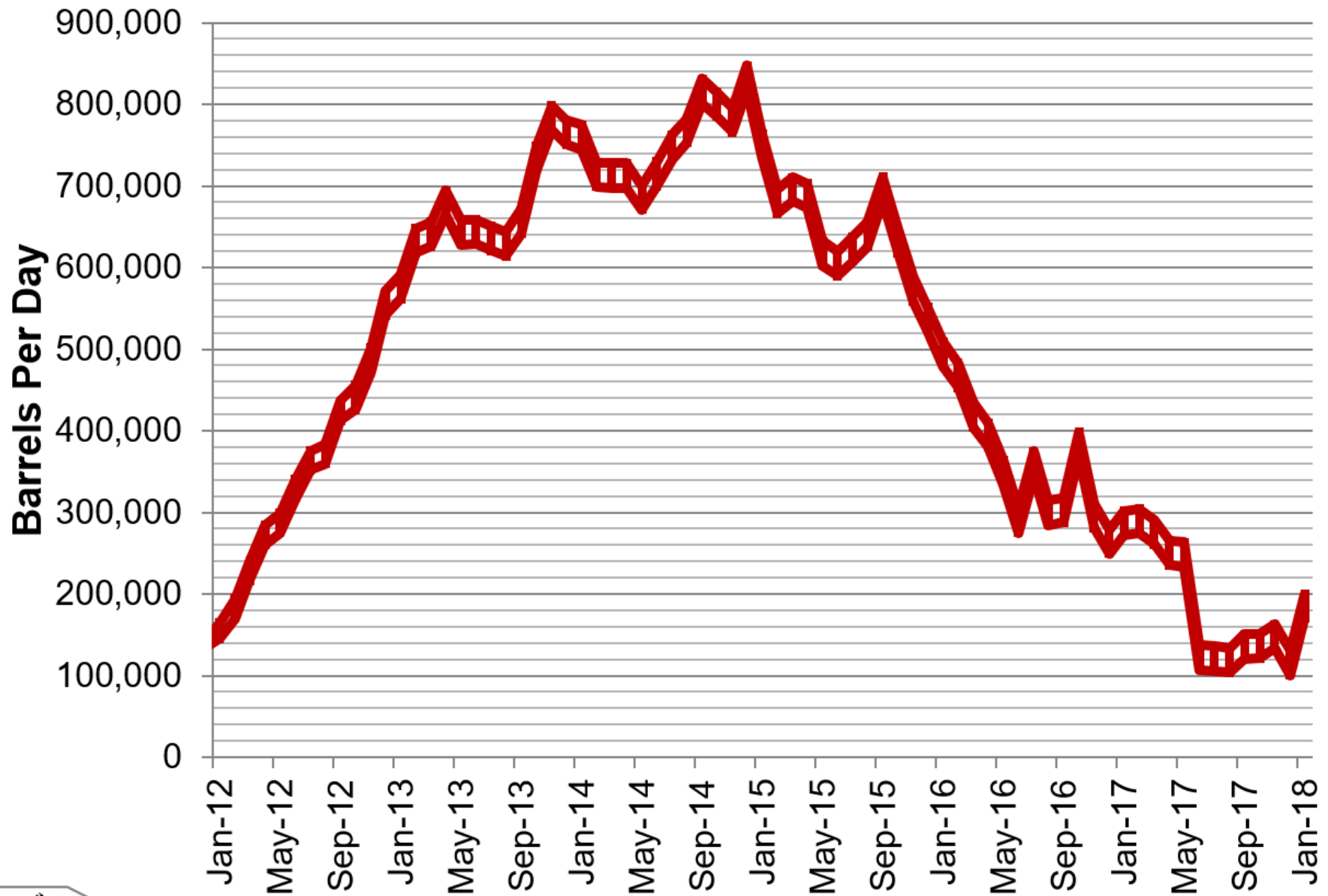
■ Estimated Rail



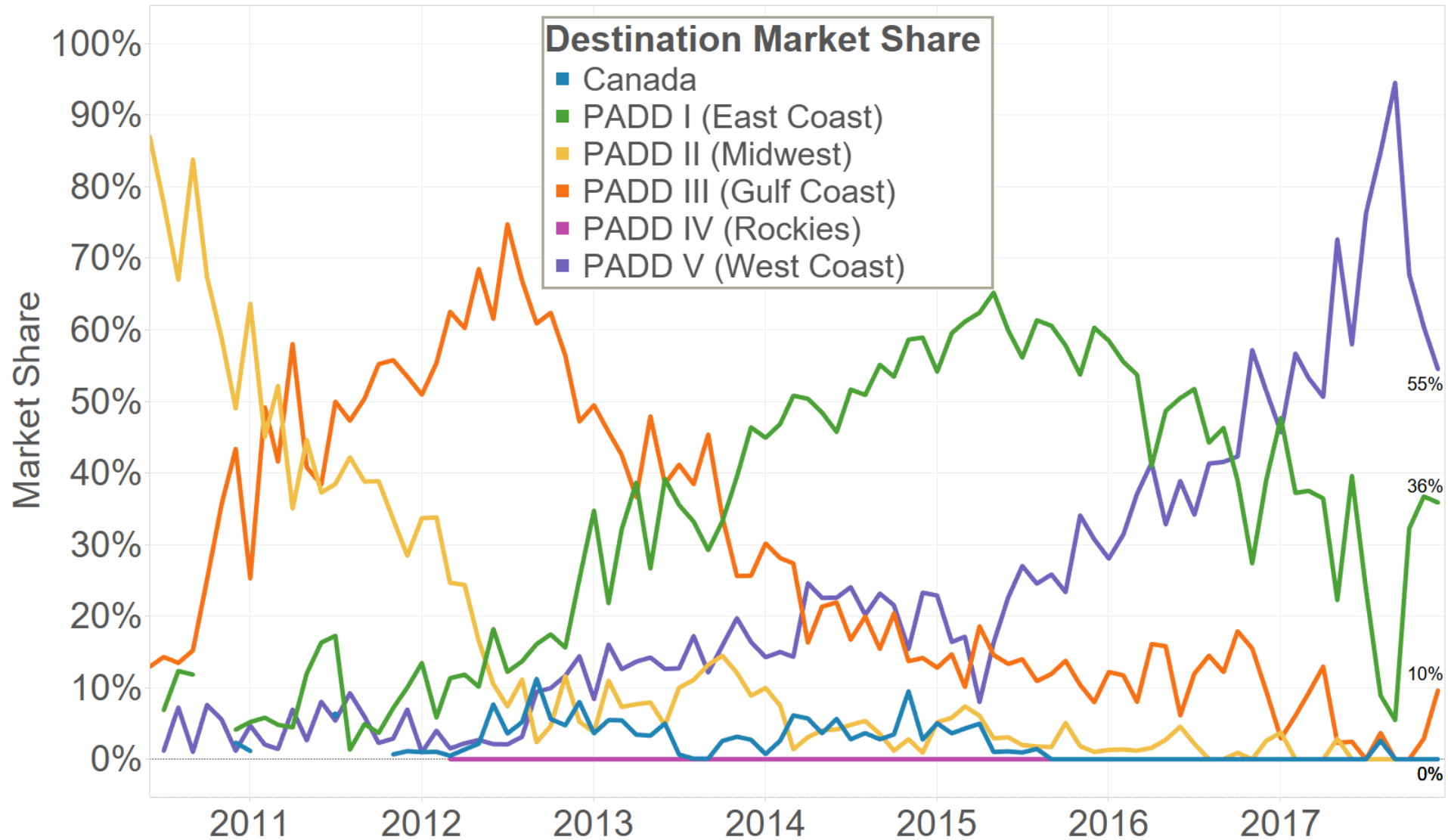
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



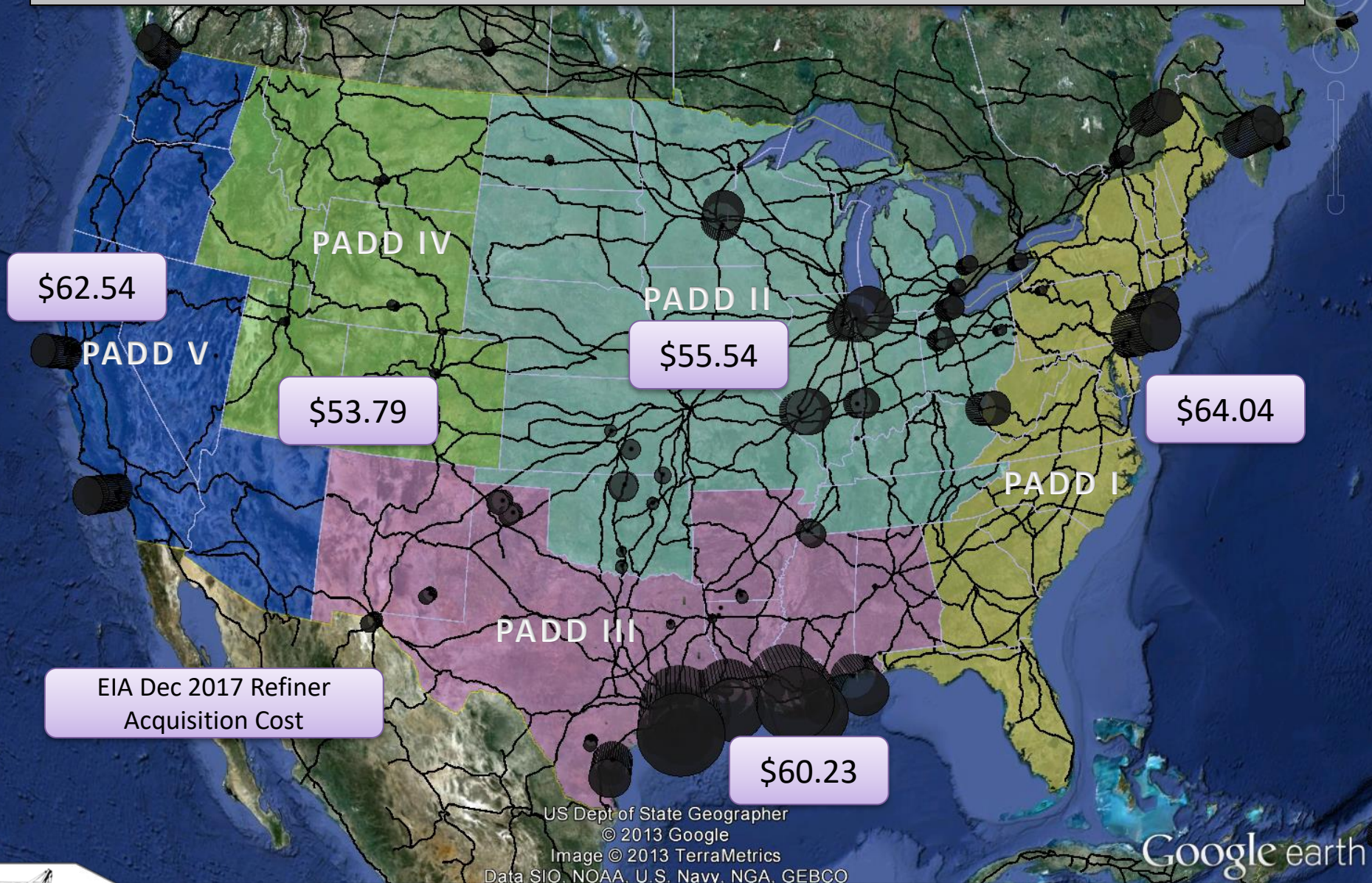
Rail Destinations Market Share (Dec 2017)



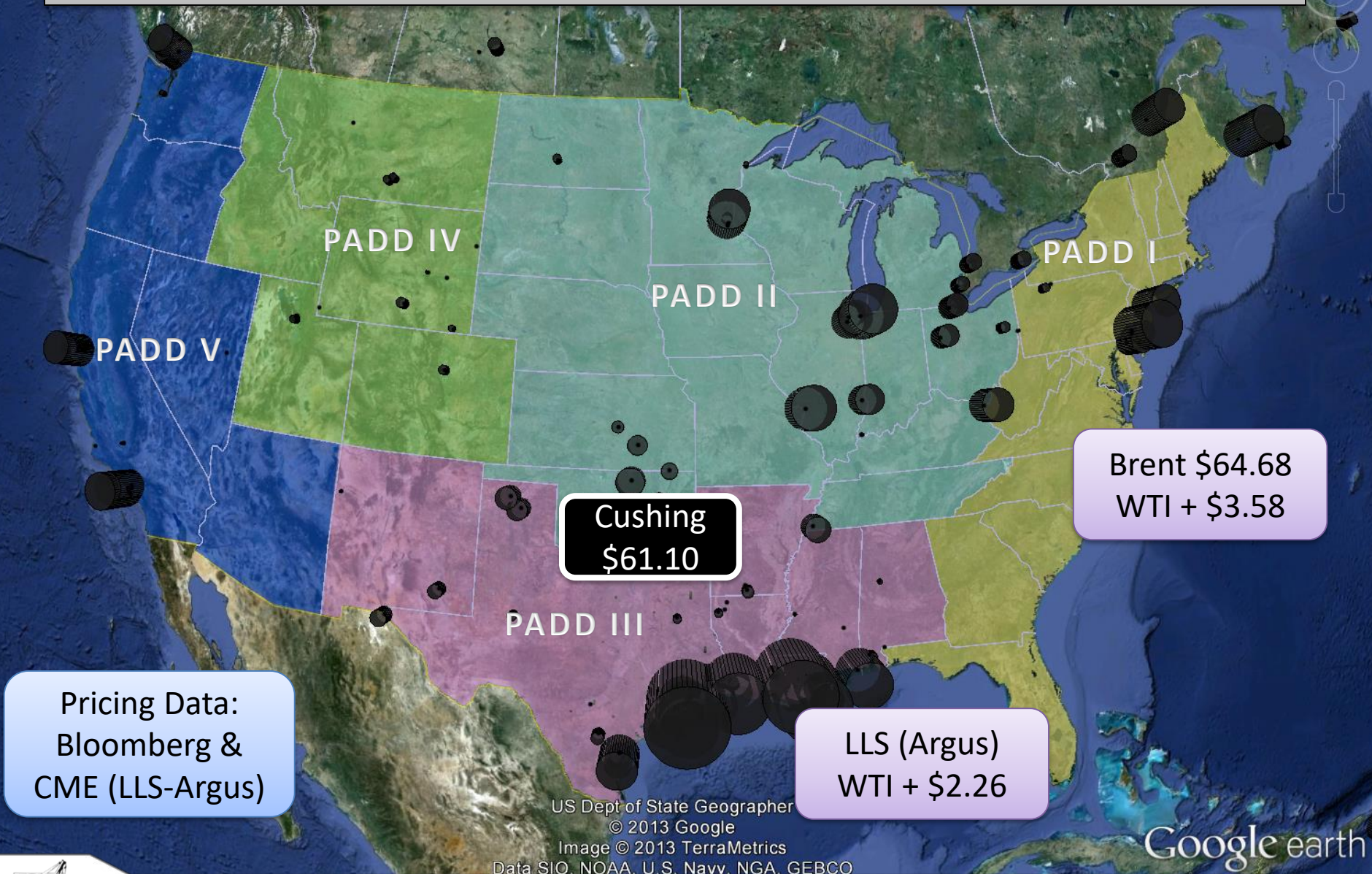
Data for Rail Destination Market Share Provided by the US Energy Information Administration



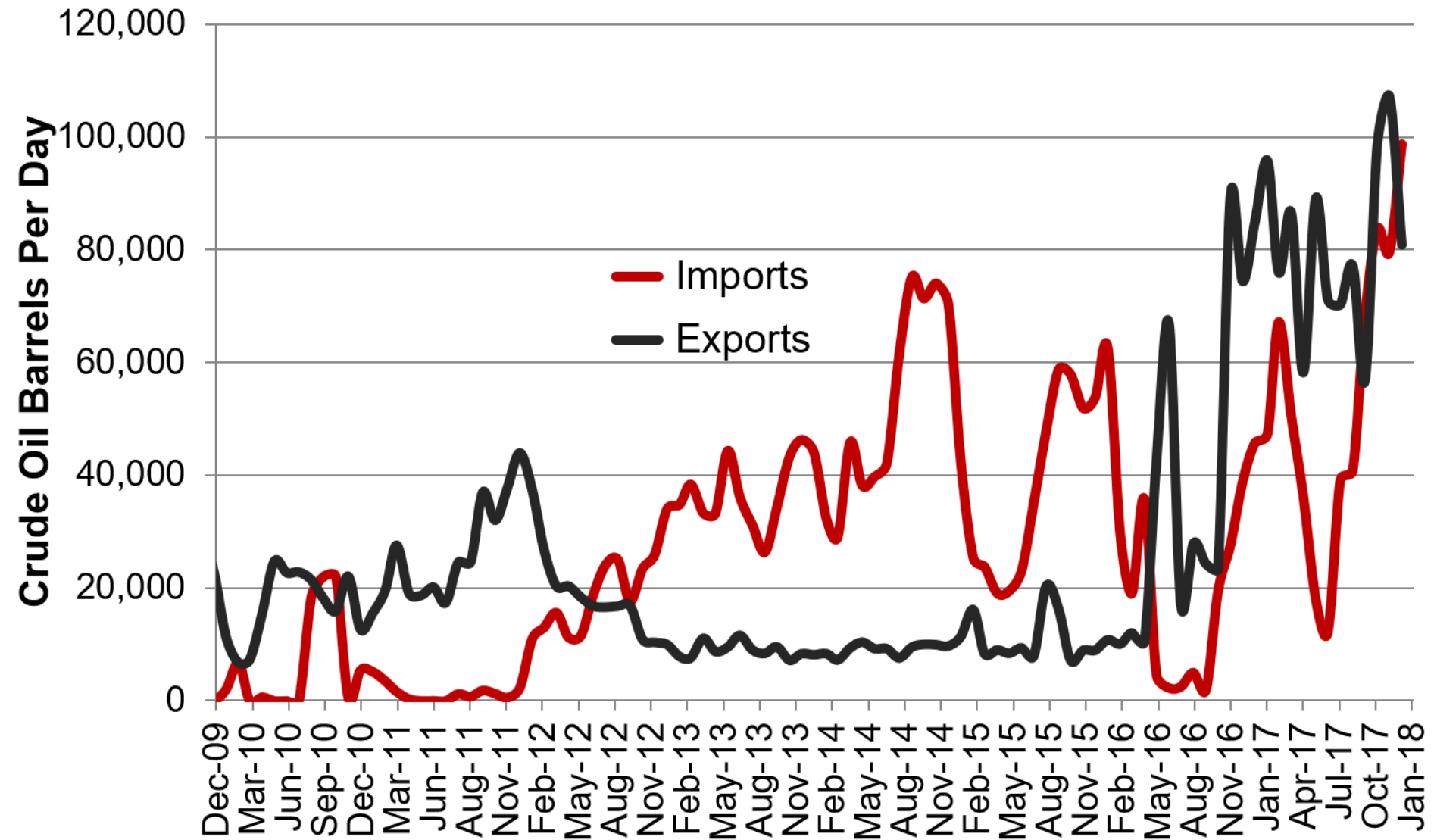
Major Rail Lines and Refineries



Crude Oil Prices – Mar. 13, 2018



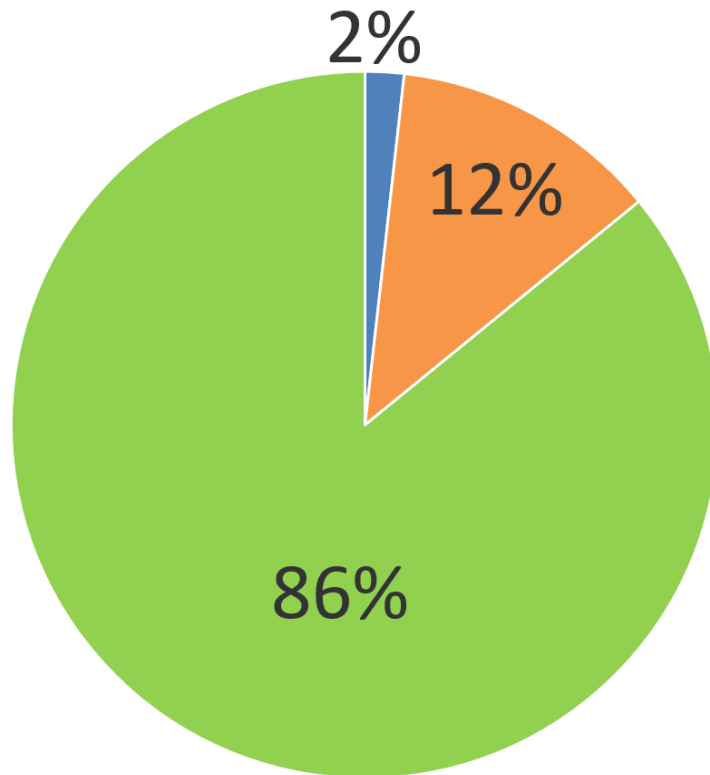
Williston Basin Truck Imports and Exports with Canada



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.

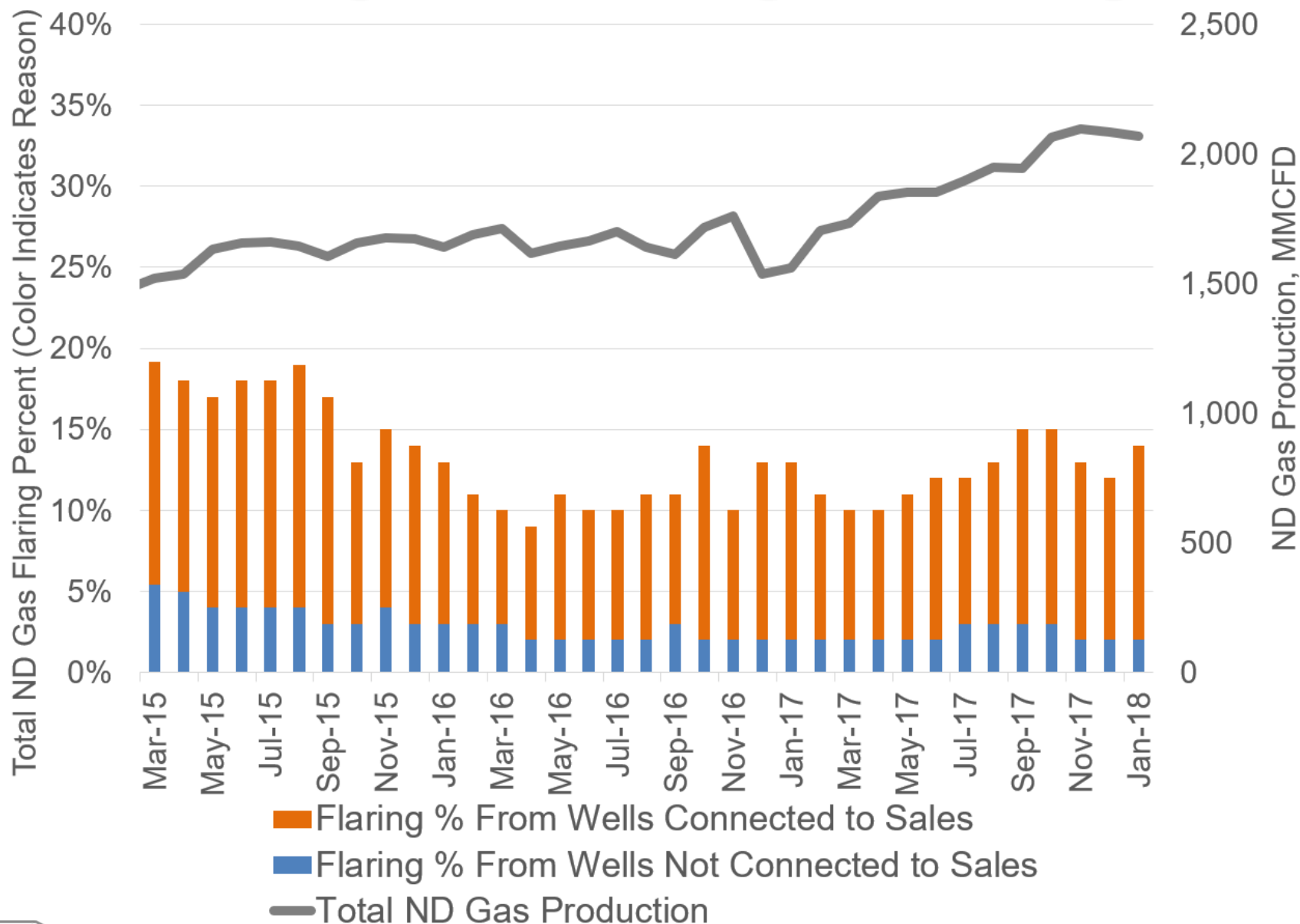
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

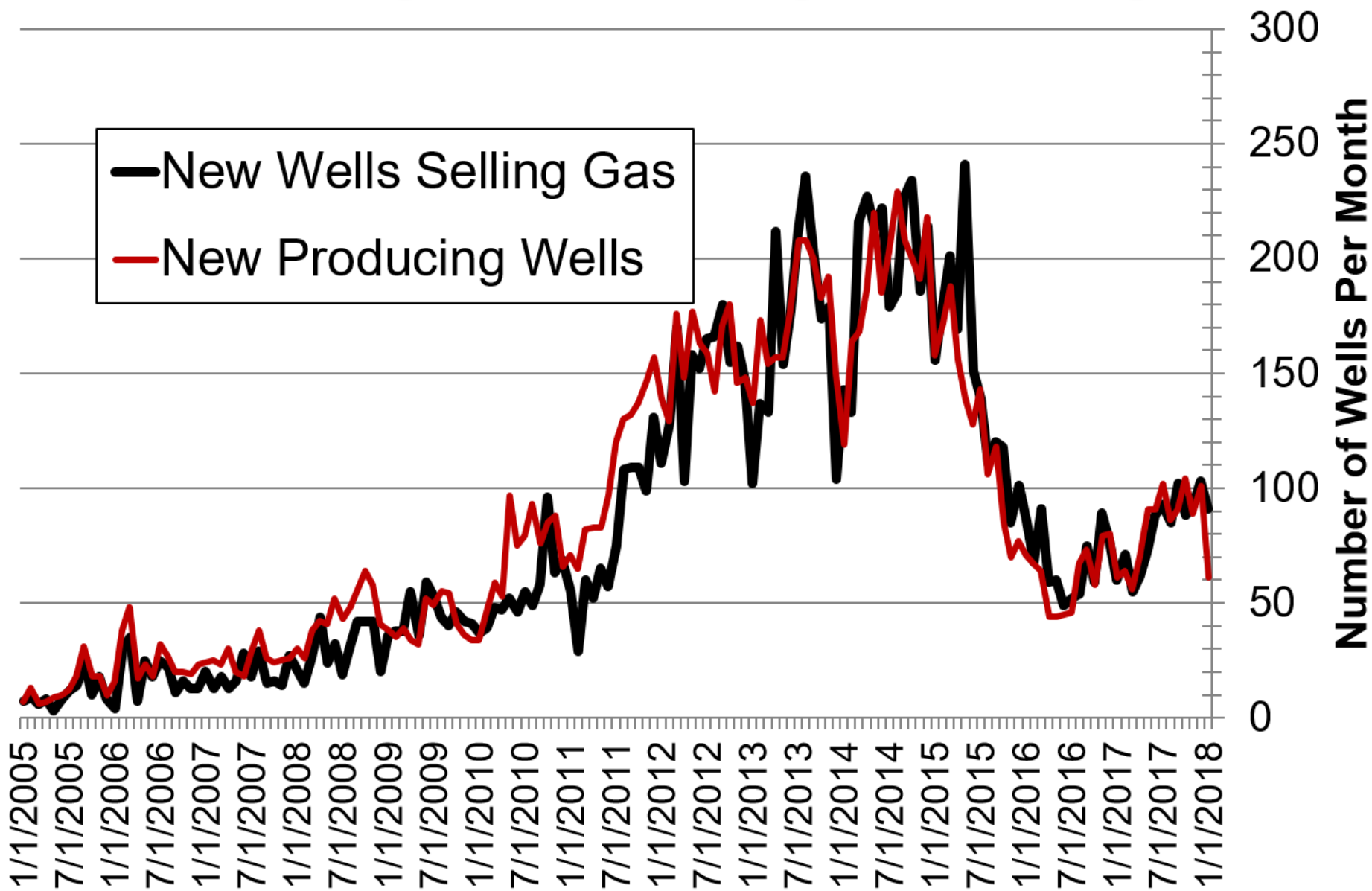
Jan 2018 Data – Non-Confidential Wells



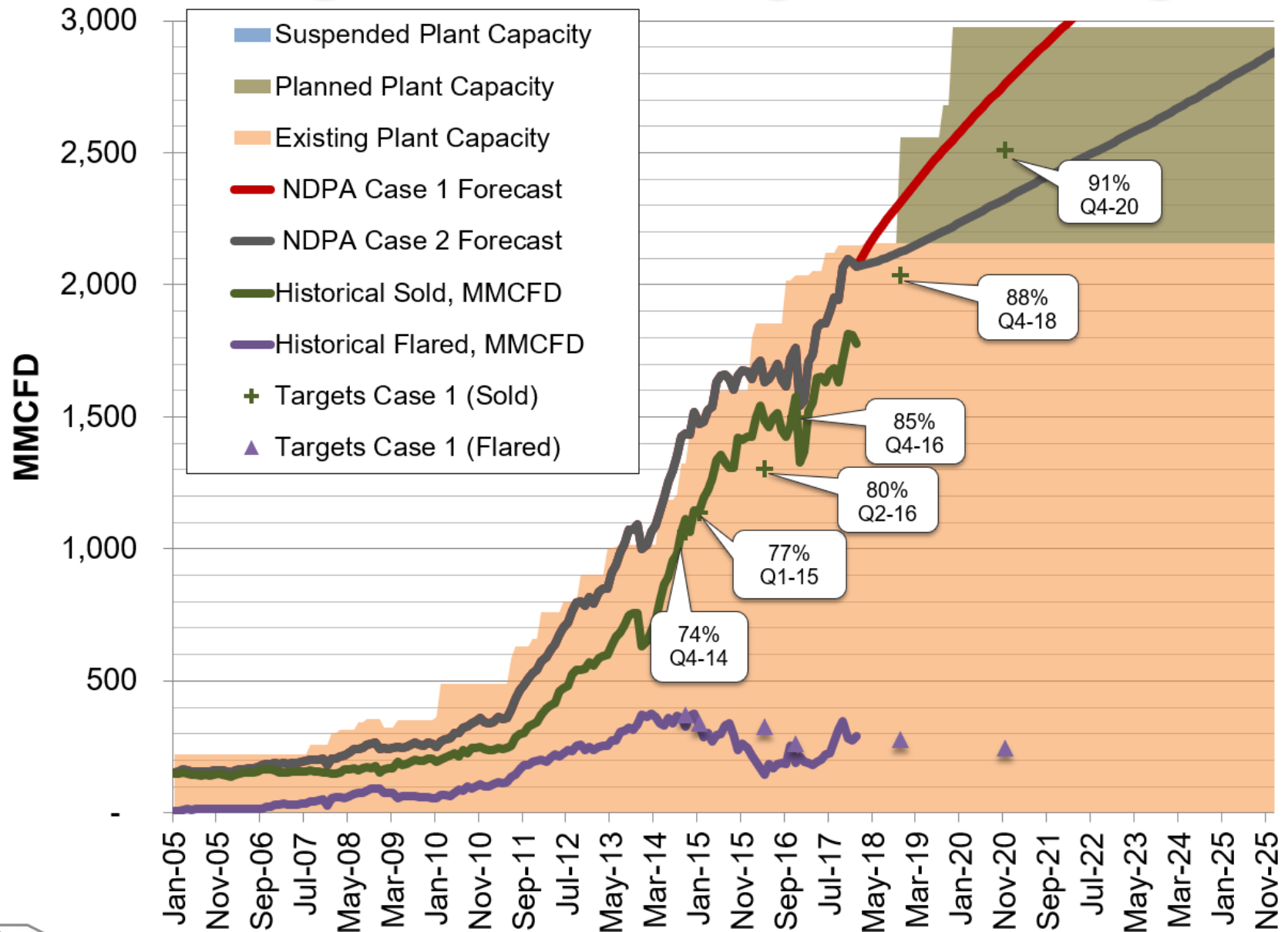
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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