



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

US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	983,826	52,738	3,553	1,040,117
February	1,034,177	53,978	3,718	1,091,873
March	1,025,839	52,935	3,705	1,082,479
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	52,220	3,565	1,145,061
September	1,107,464	51,334	3,568	1,162,366
October	1,183,810	50,573	3,616	1,237,998
November	1,196,976	49,958	3,572	1,250,506
December	1,182,836	49,154	3,366	1,235,356

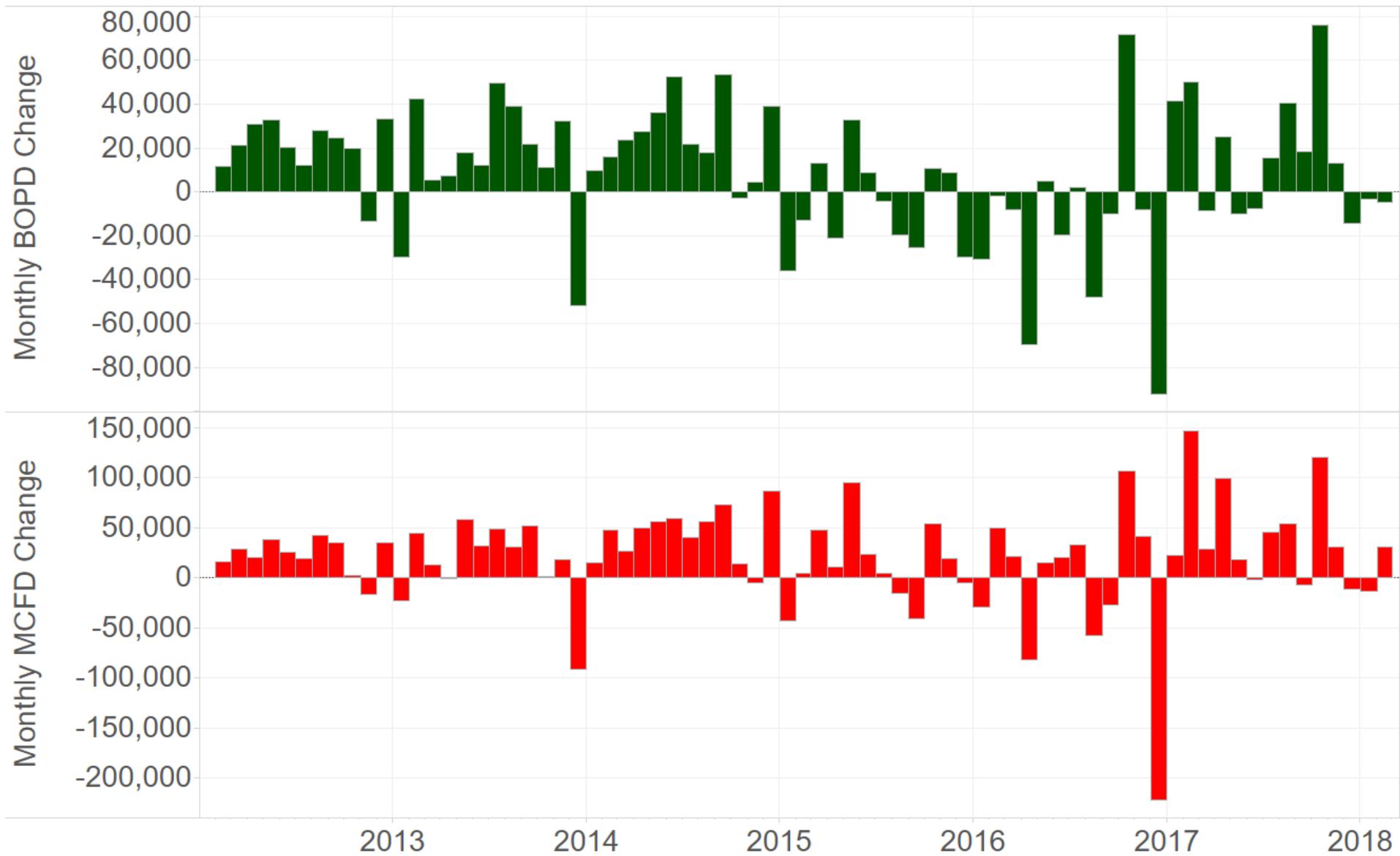


US Williston Basin Oil Production - 2018

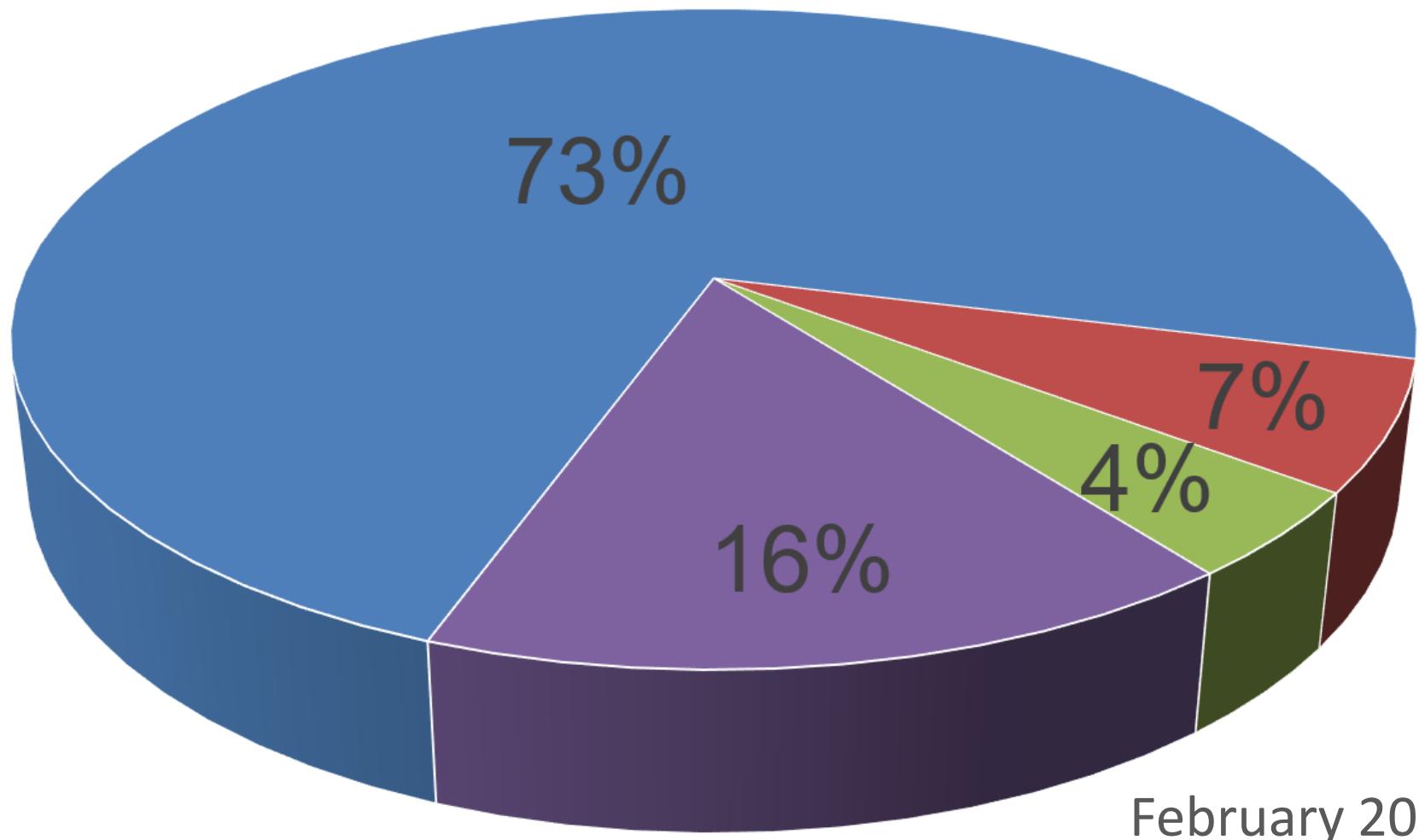
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,179,564	48,813	3,575	1,231,951
February	1,174,769			
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				



Monthly Production Change



Estimated Williston Basin Oil Transportation

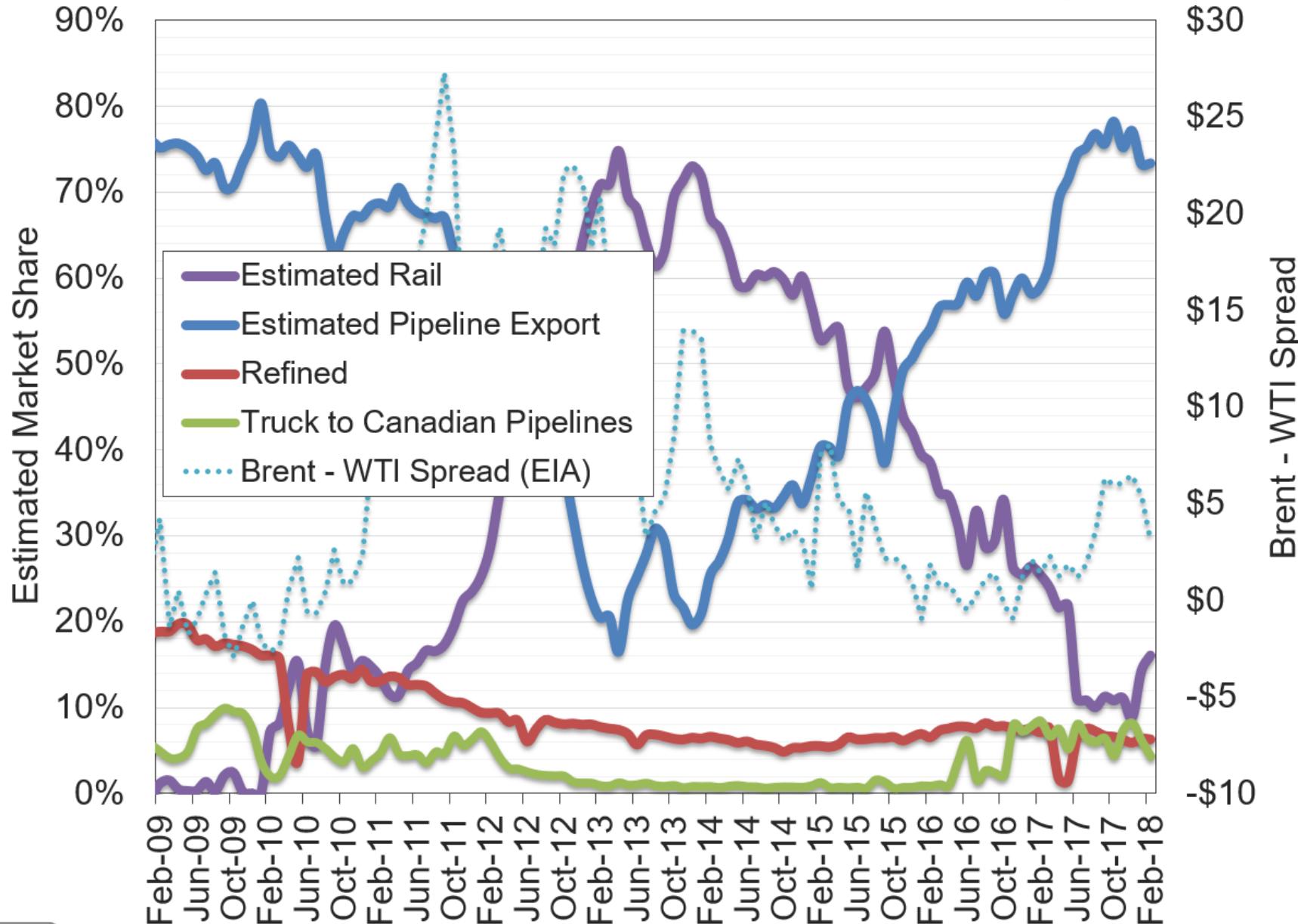


February 2018

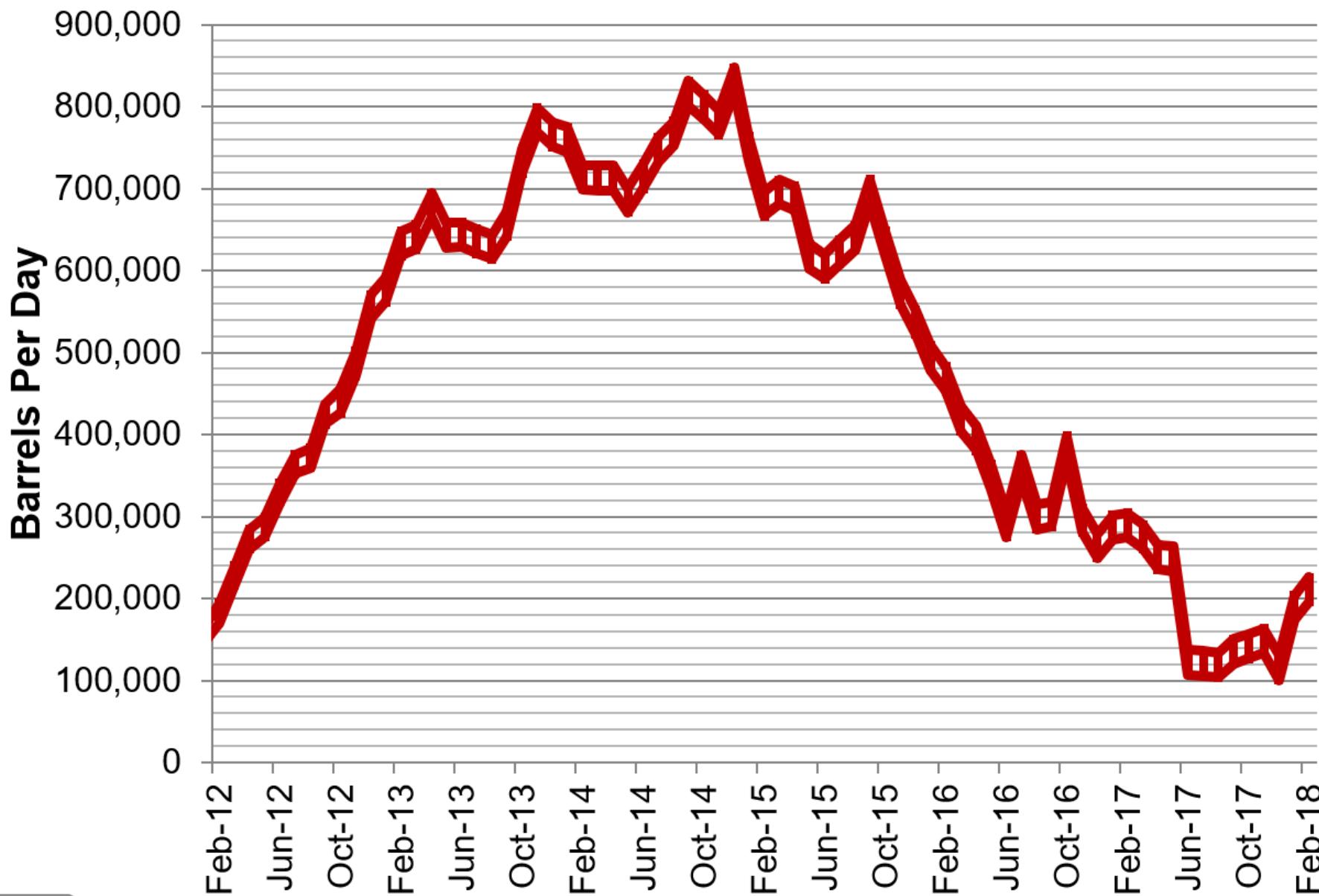
- Pipeline Export
- Truck to Canadian Pipelines
- Refined
- Estimated Rail



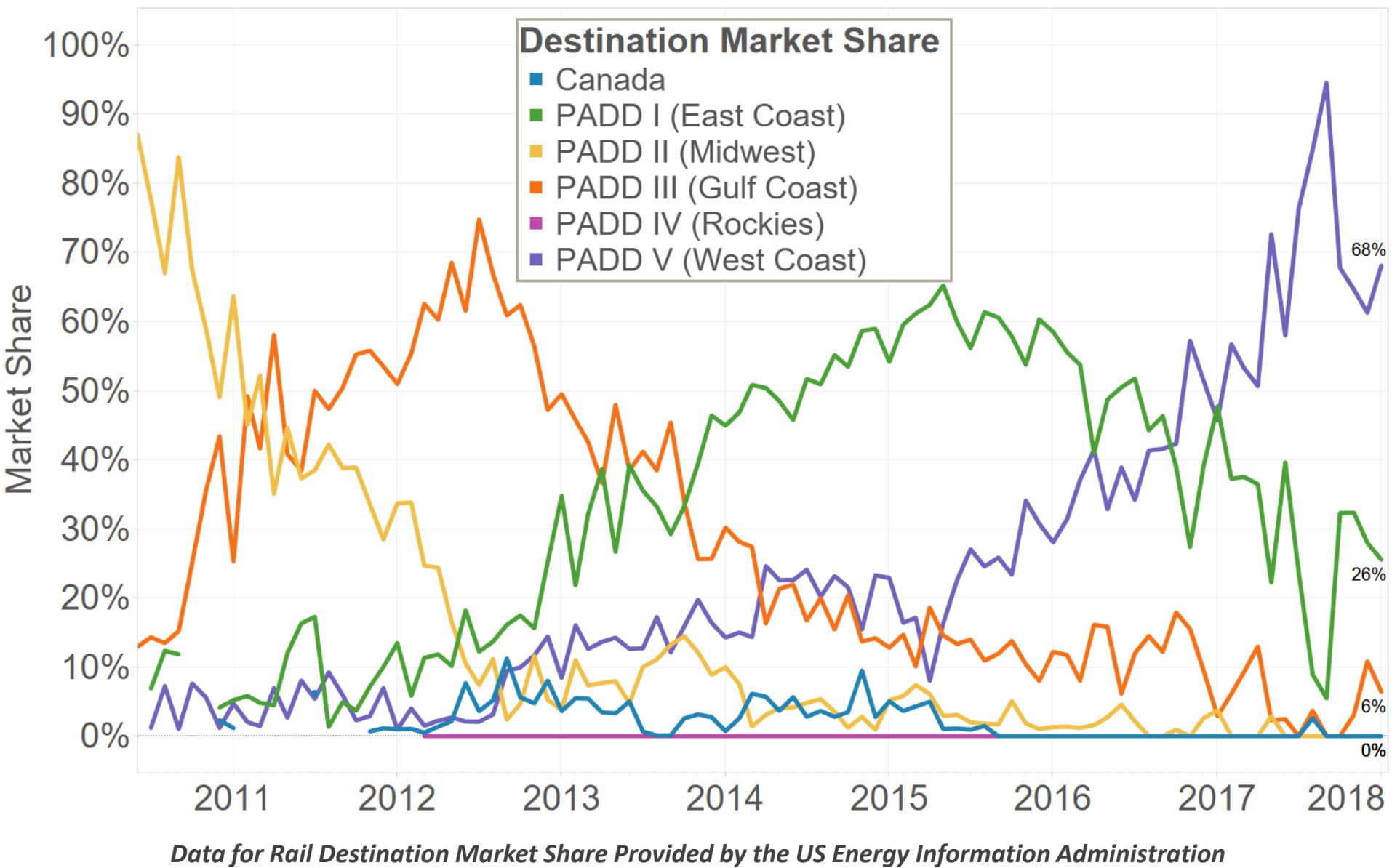
Estimated Williston Basin Oil Transportation



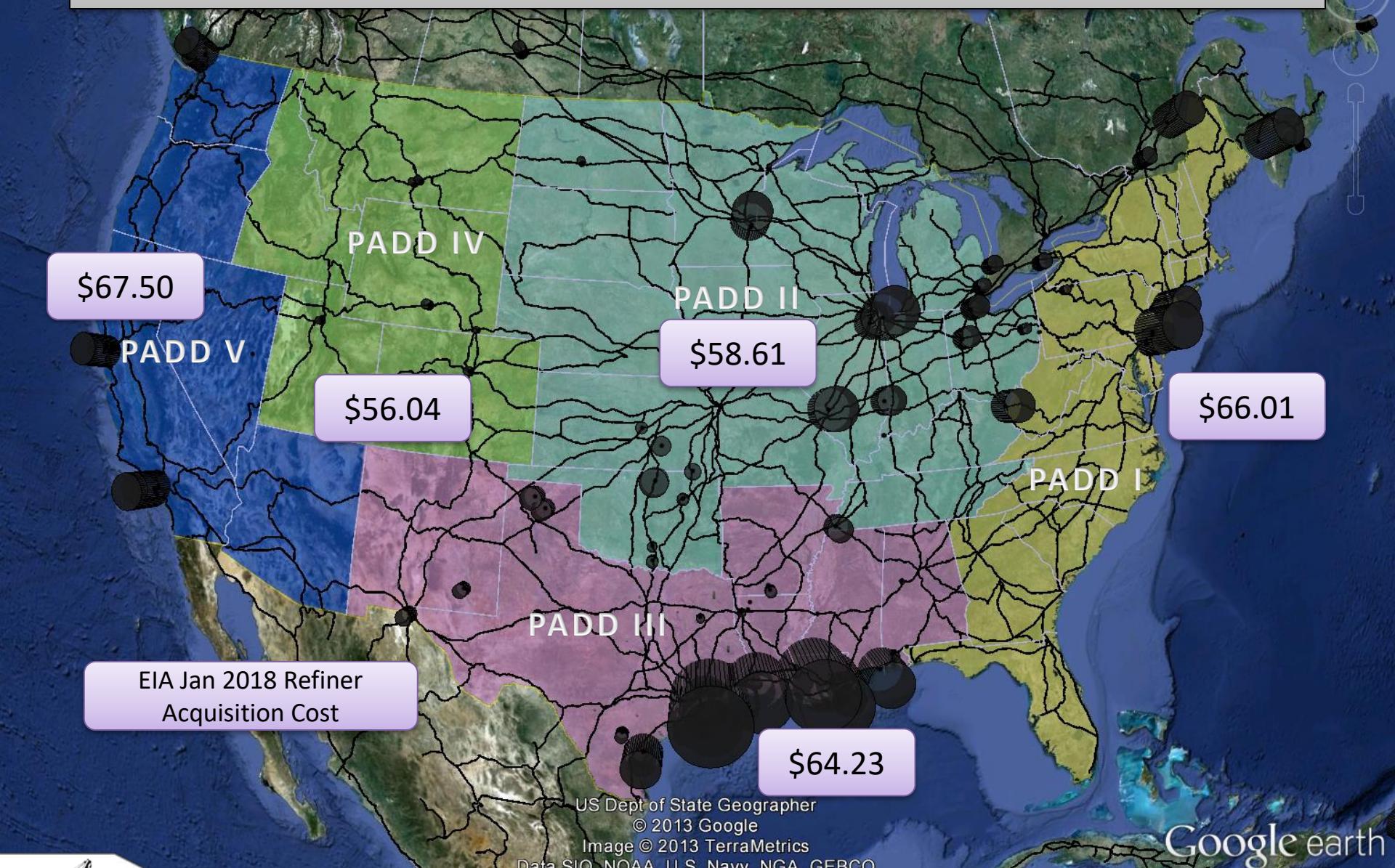
Estimated ND Rail Export Volumes



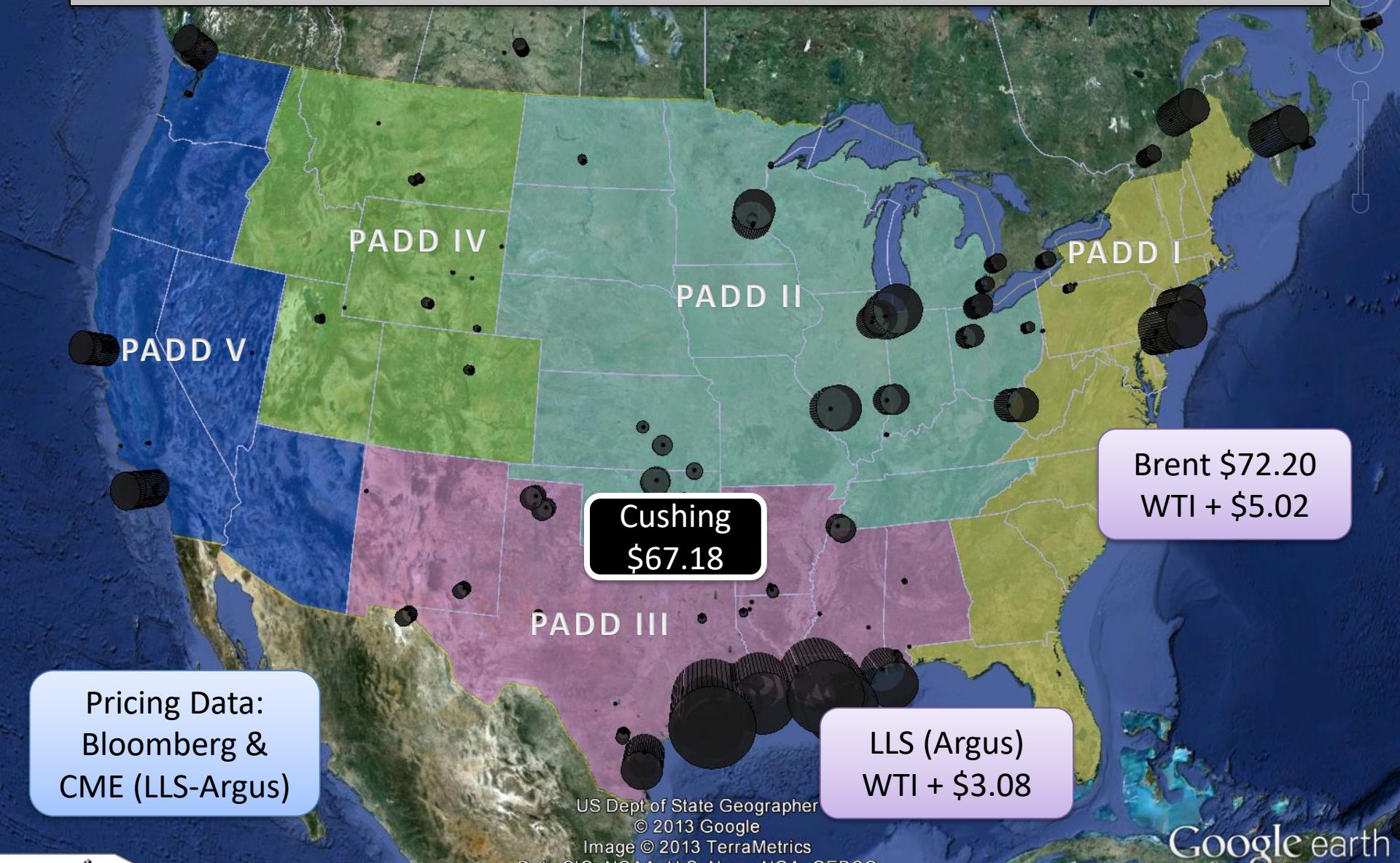
Rail Destinations Market Share (Jan 2018)



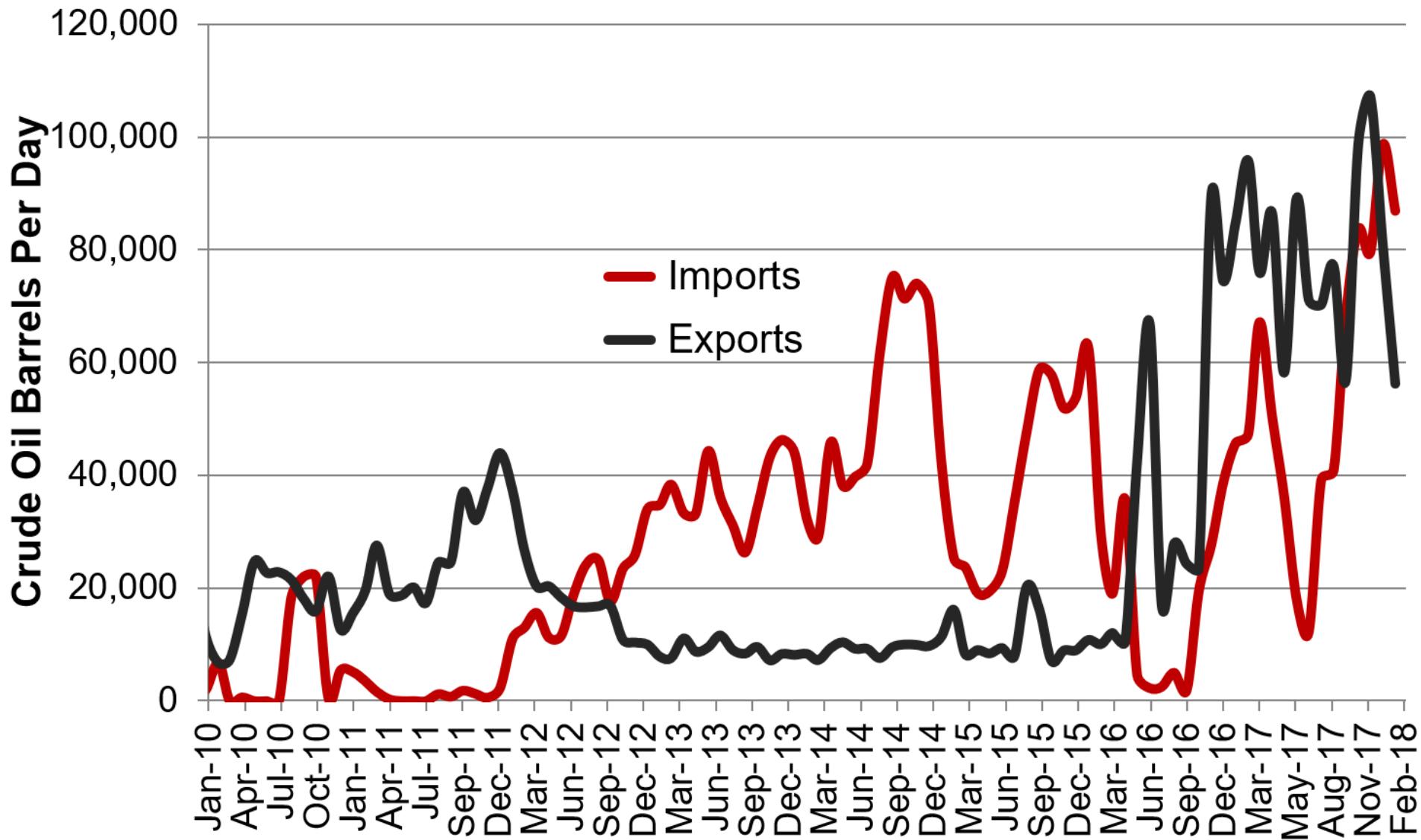
Major Rail Lines and Refineries



Crude Oil Prices – Apr. 13, 2018



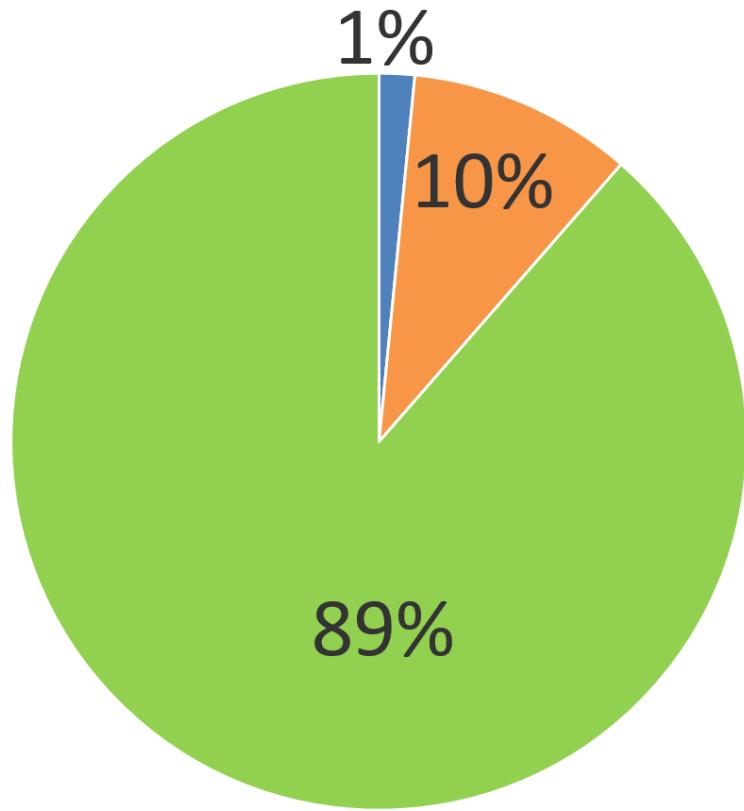
Williston Basin Truck Imports and Exports with Canada



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



Solving the Flaring Challenge



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

Simple Terms

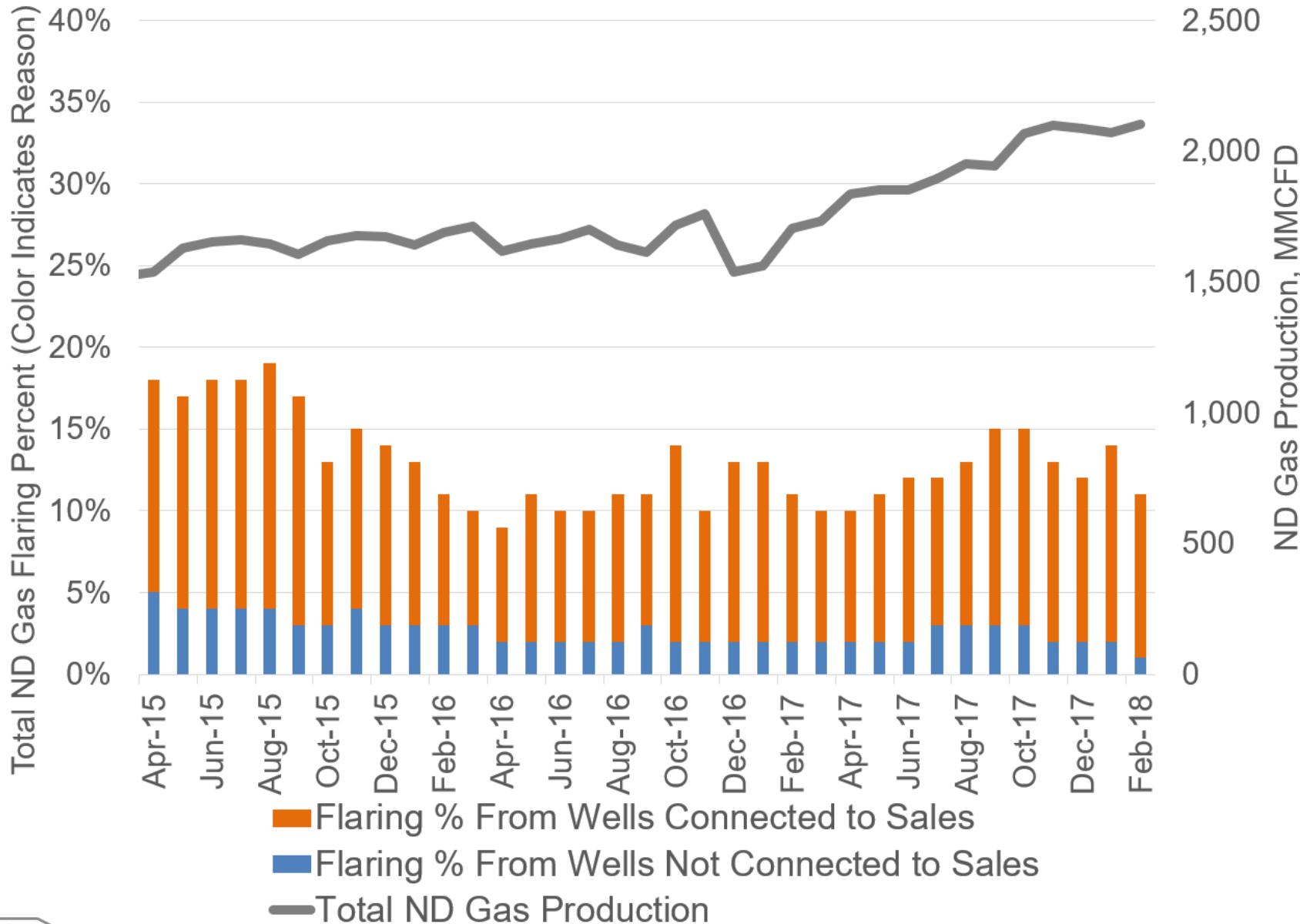
Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Statewide

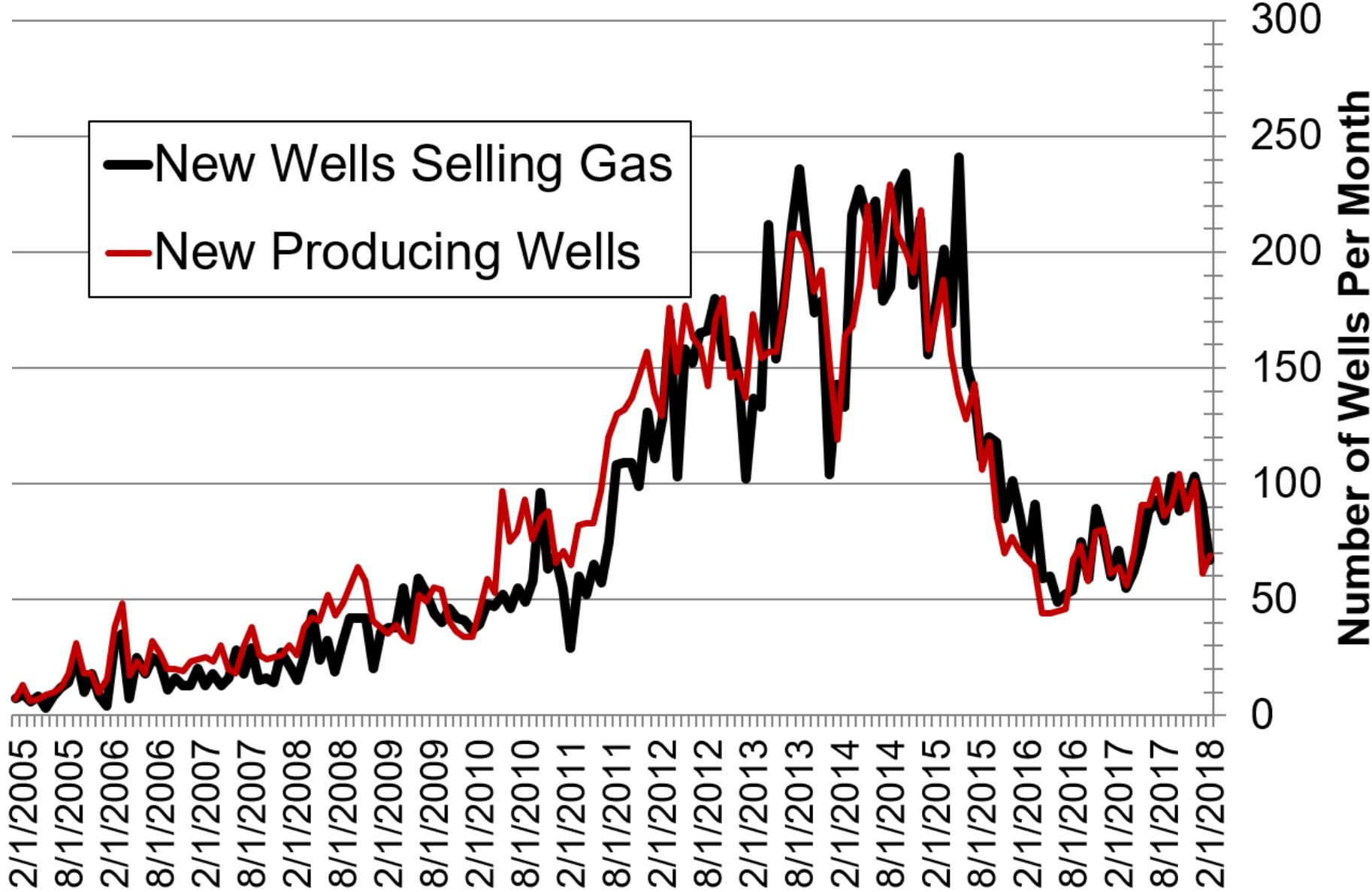
Feb 2018 Data – Non-Confidential Wells



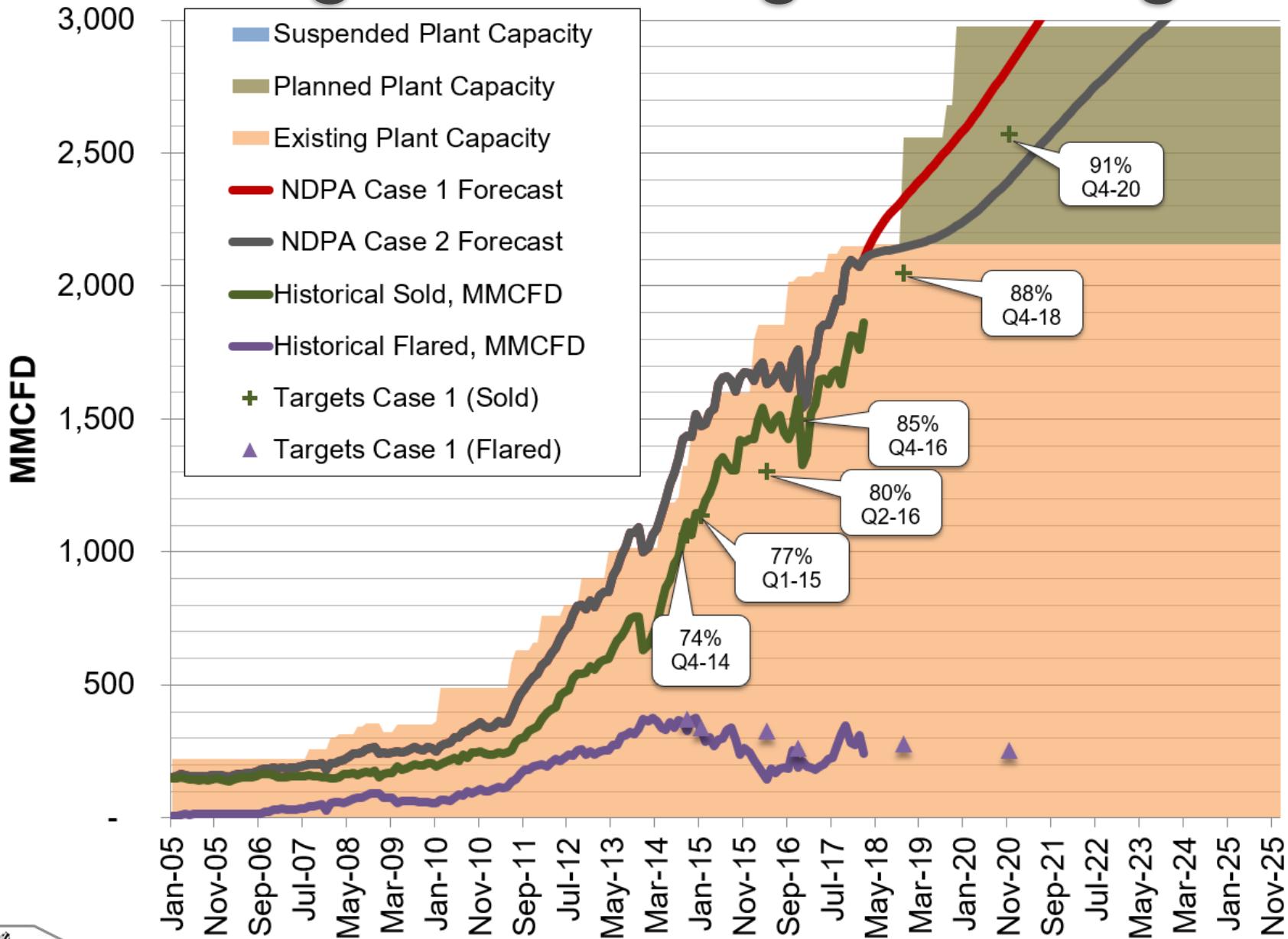
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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



JJ Kringstad - North Dakota Pipeline Authority

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