



February 2018 Monthly Update

North Dakota Pipeline Authority

Justin J. Kringstad

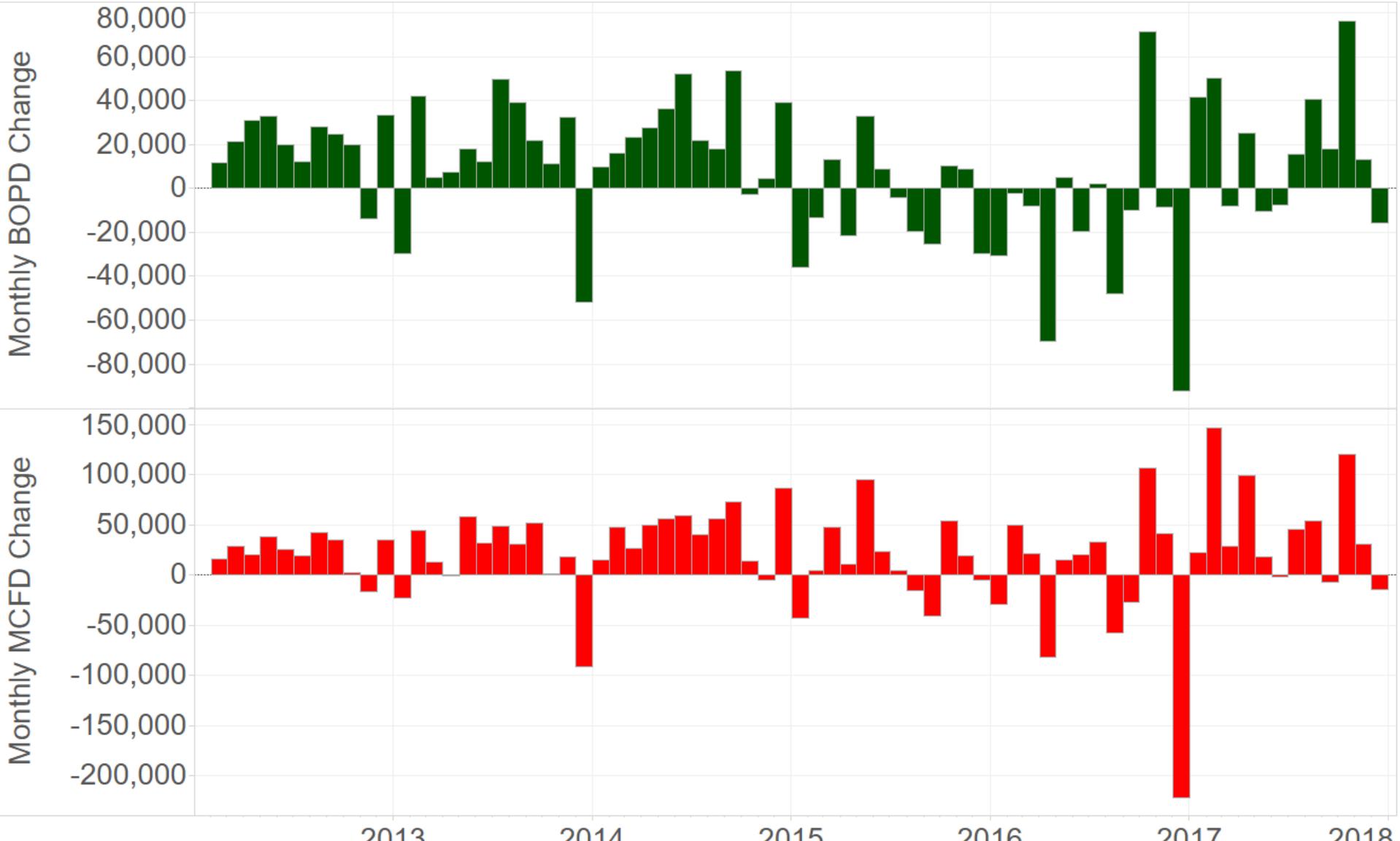
February 15, 2018

US Williston Basin Oil Production - 2017

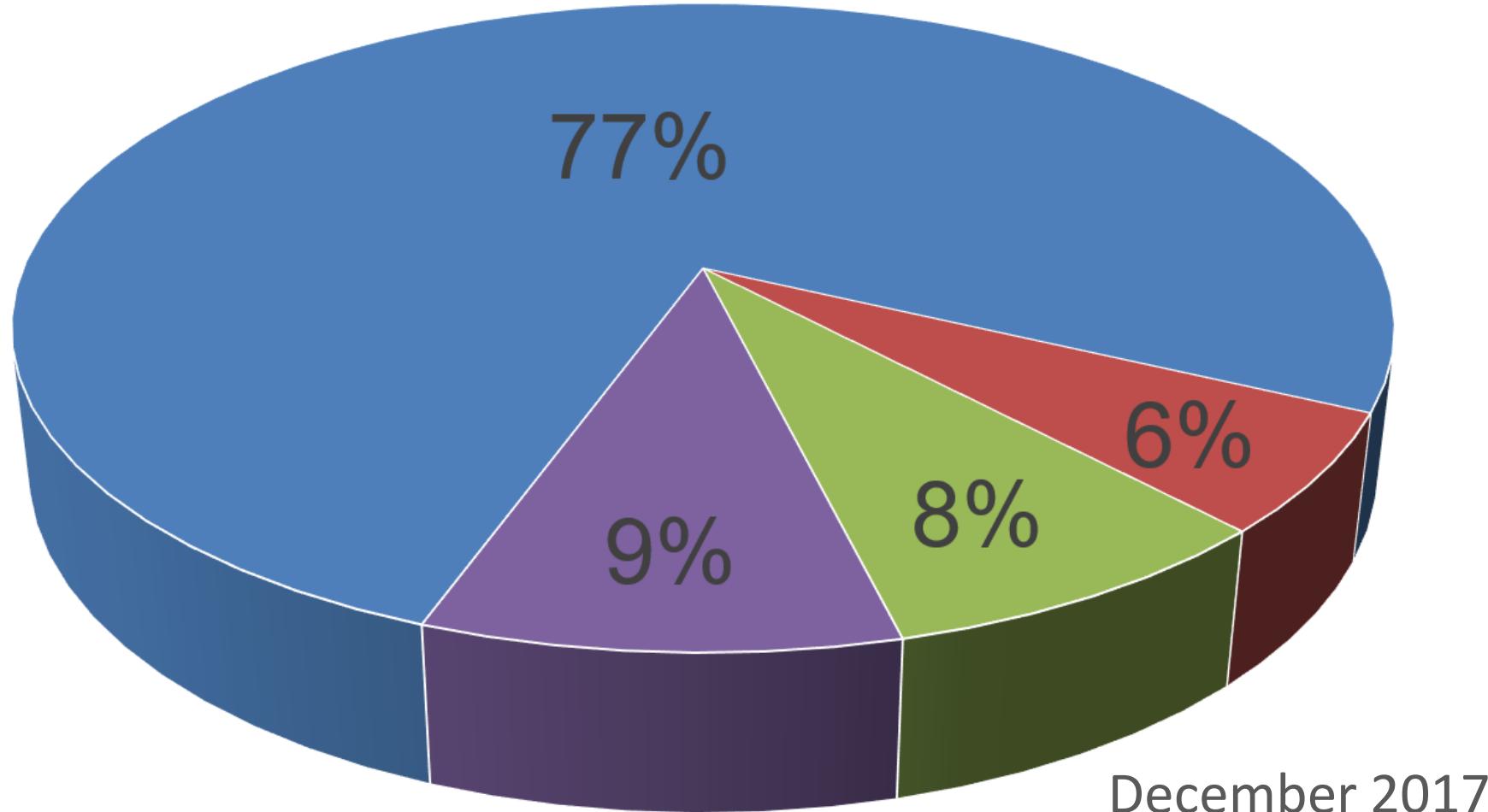
MONTH	ND	Eastern MT*	SD	TOTAL
January	983,826	52,727	3,553	1,040,106
February	1,034,177	53,959	3,718	1,091,854
March	1,025,839	52,901	3,705	1,082,444
April	1,050,837	52,437	3,768	1,107,041
May	1,040,659	52,980	3,389	1,097,028
June	1,032,942	52,947	3,563	1,089,451
July	1,048,570	51,767	3,529	1,103,866
August	1,089,277	51,090	3,565	1,143,932
September	1,107,464	51,240	3,568	1,162,272
October	1,183,810	49,460	3,616	1,236,885
November	1,196,976	48,746	3,449	1,249,170
December	1,181,319			



Monthly Production Change



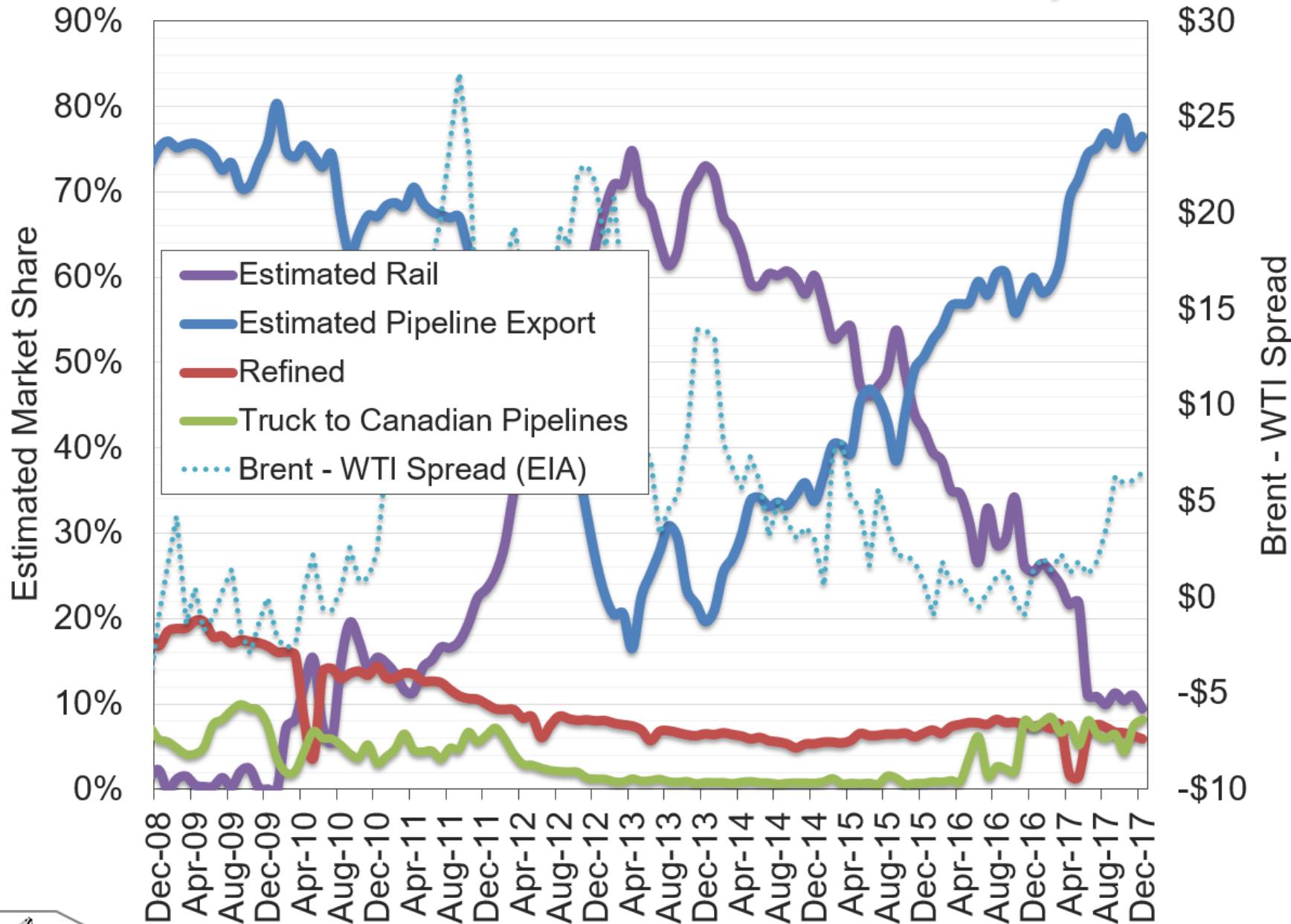
Estimated Williston Basin Oil Transportation



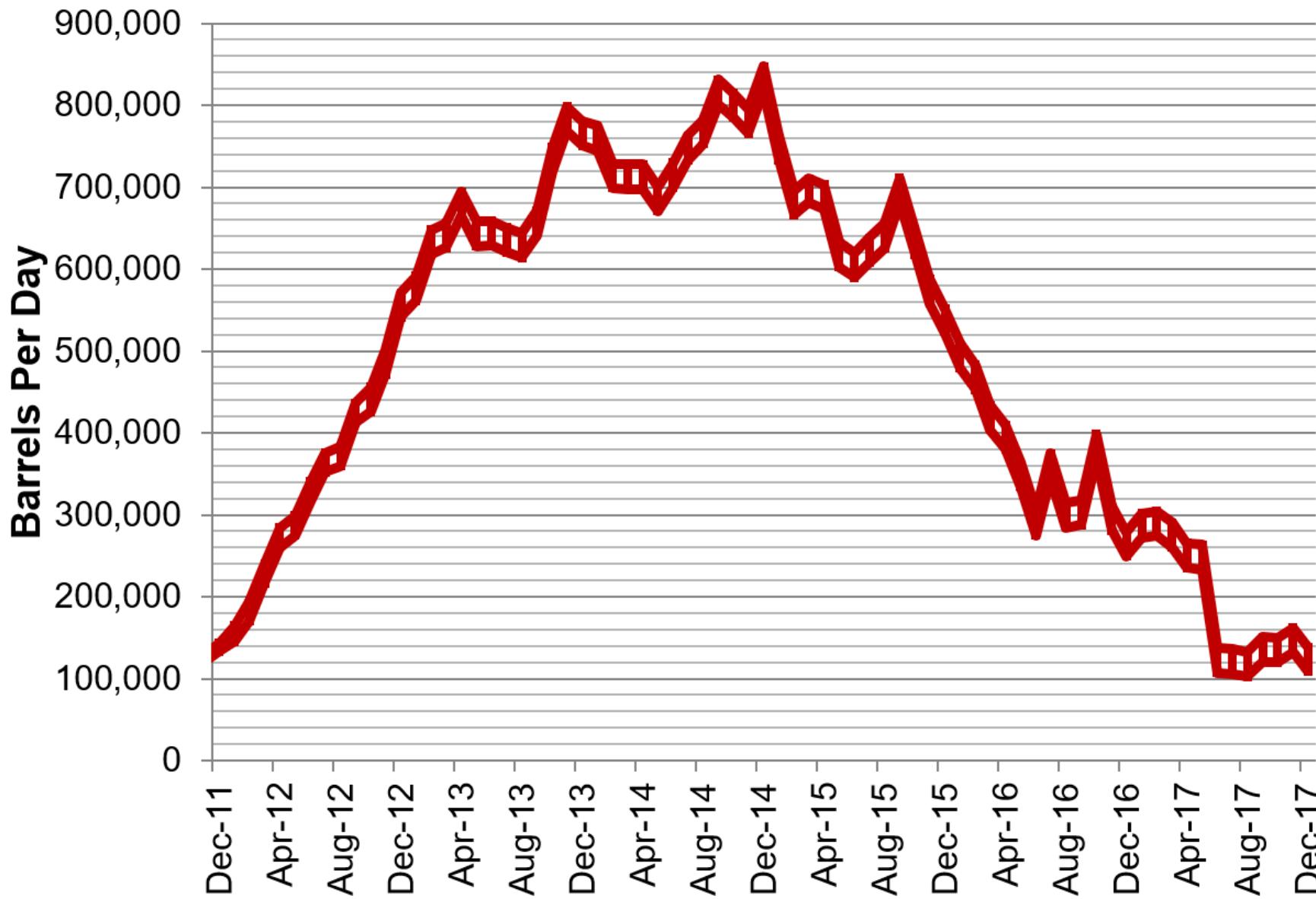
- Pipeline Export
- Truck to Canadian Pipelines
- Refined
- Estimated Rail



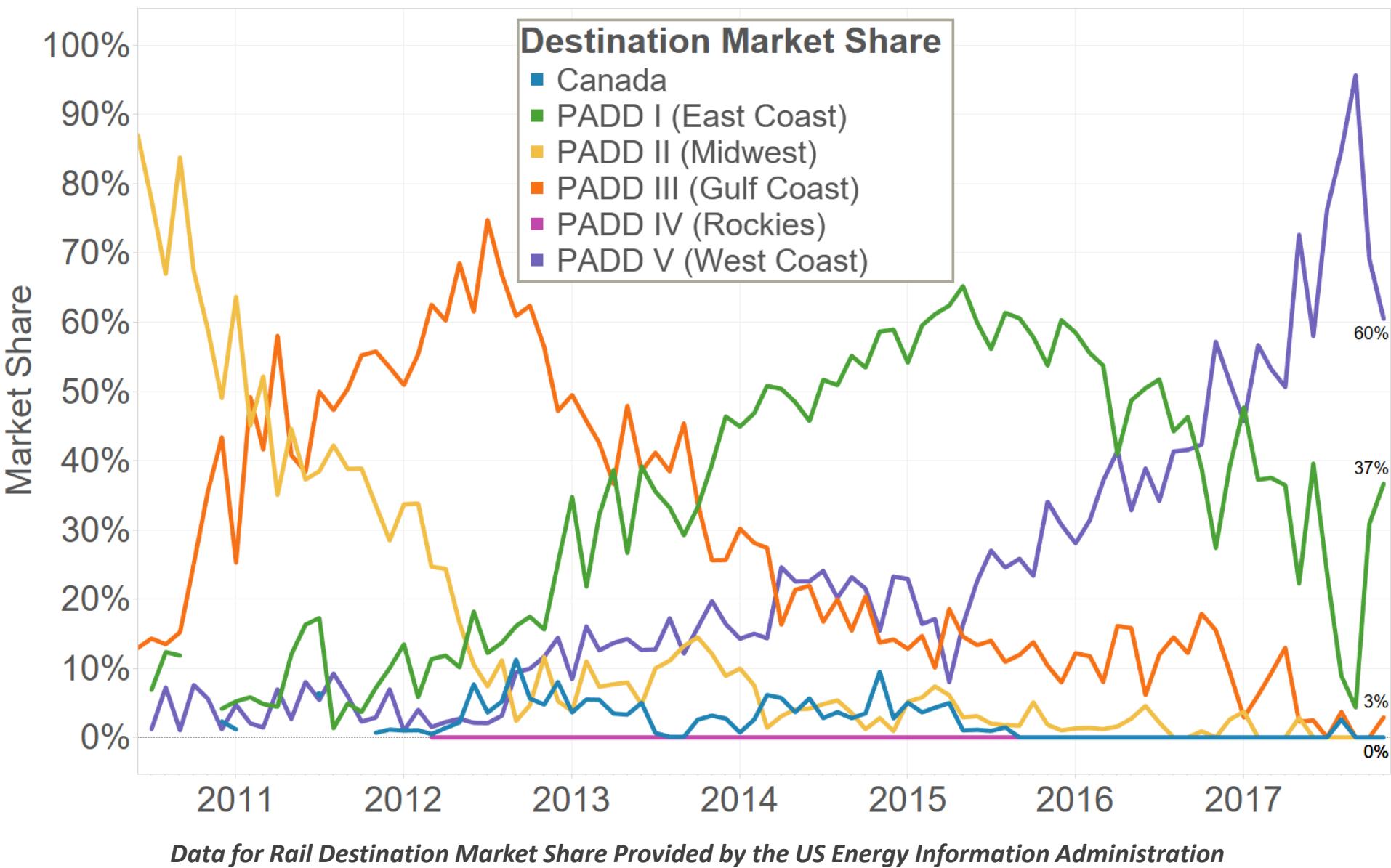
Estimated Williston Basin Oil Transportation



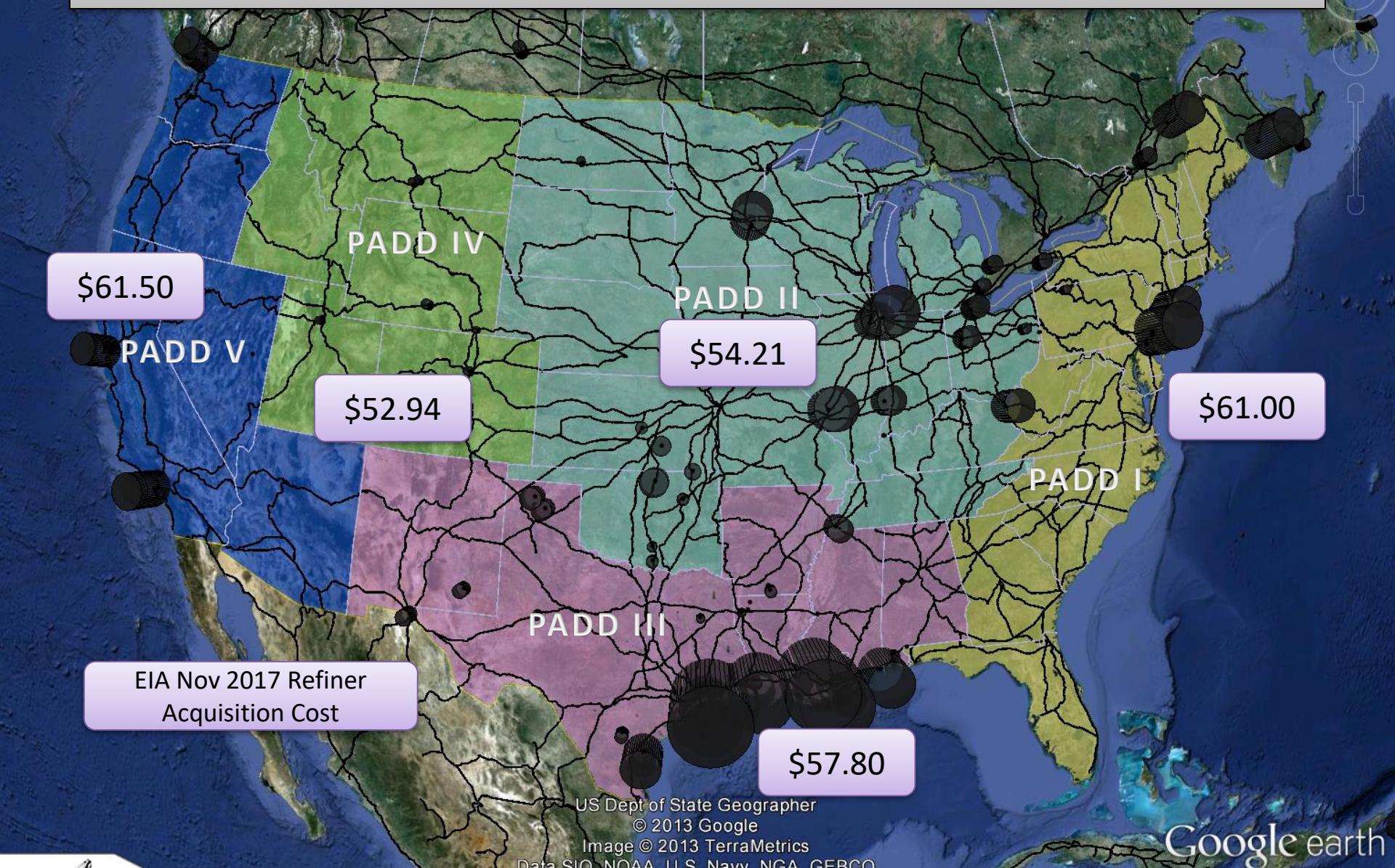
Estimated ND Rail Export Volumes



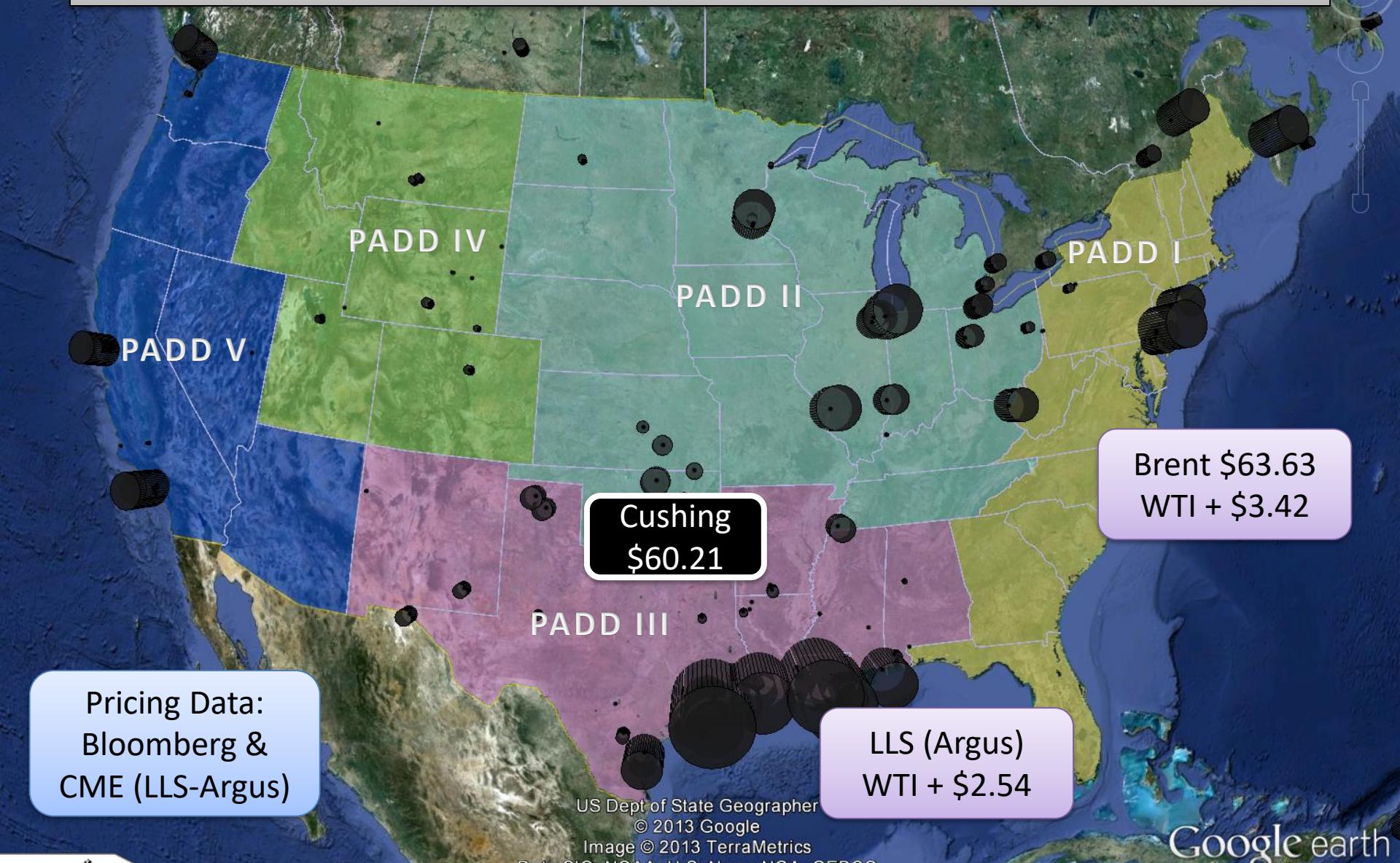
Rail Destinations Market Share (Nov 2017)



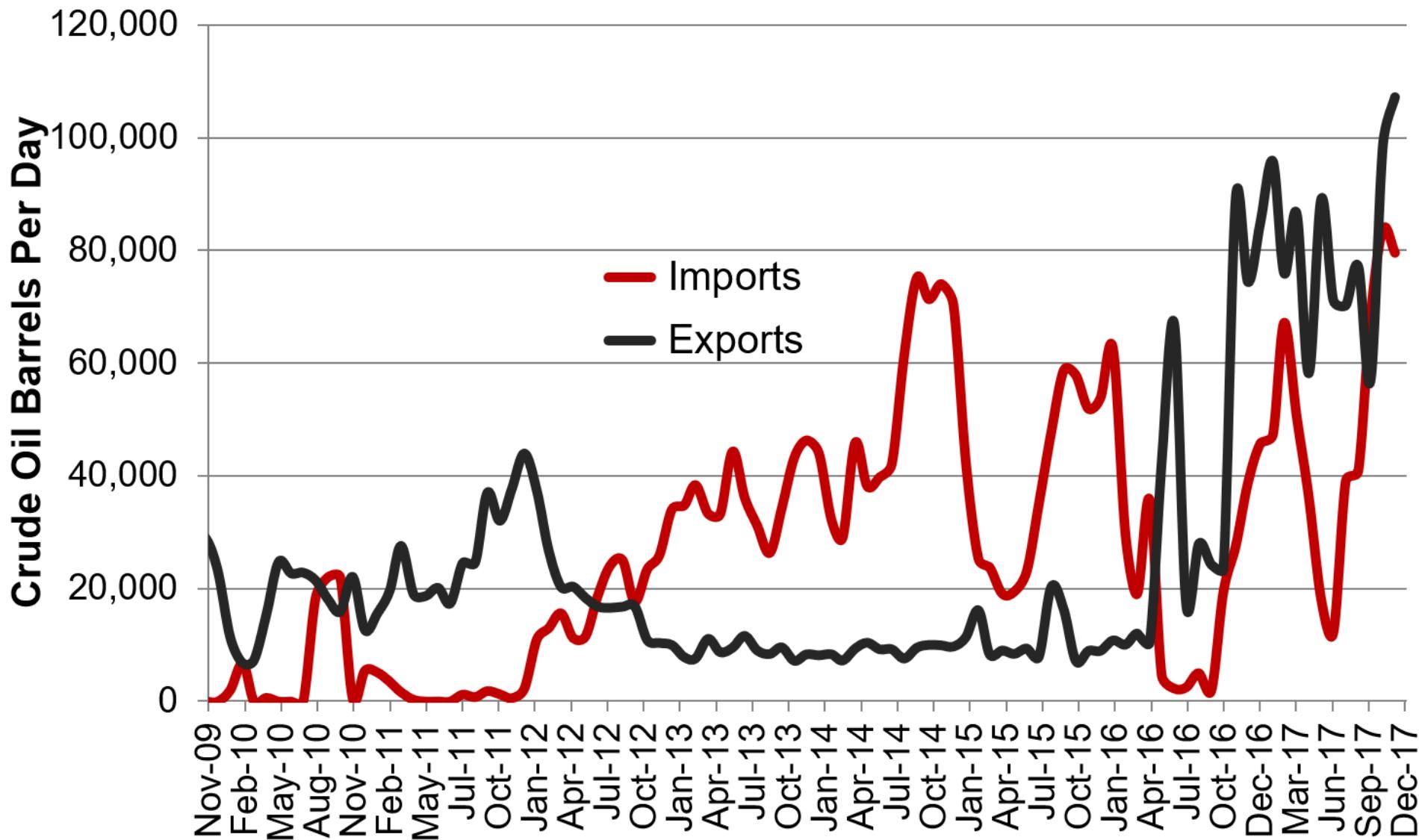
Major Rail Lines and Refineries



Crude Oil Prices – Feb. 15, 2018



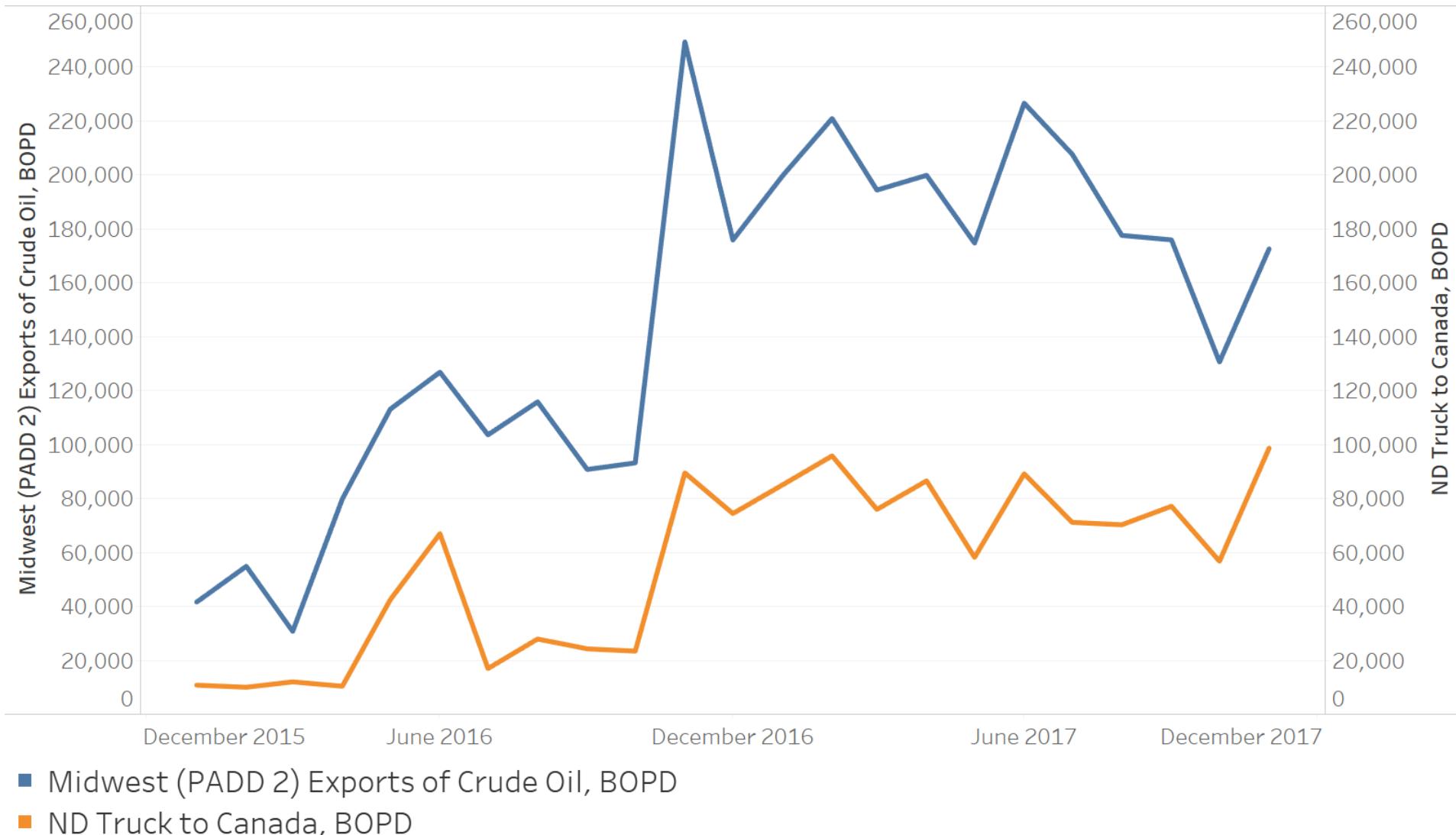
Williston Basin Truck Imports and Exports with Canada



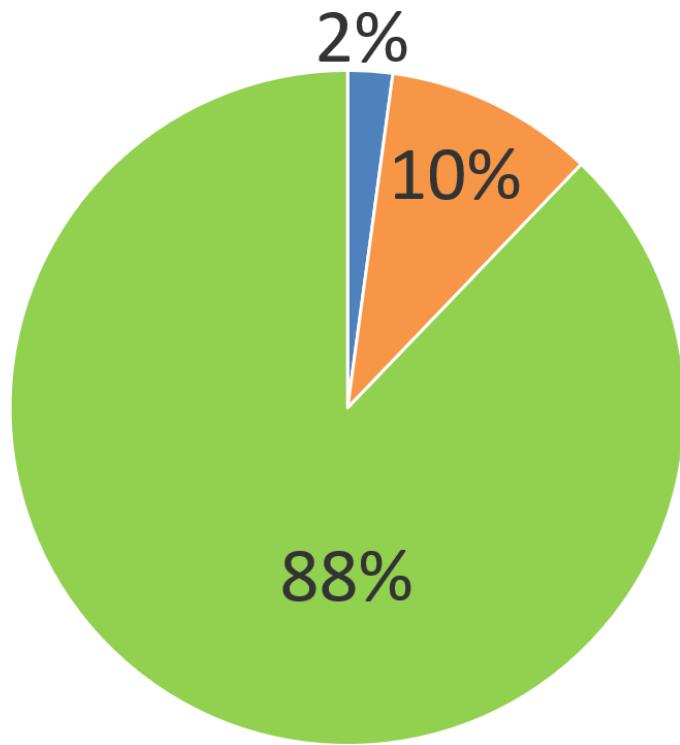
Data for truck imports/exports chart is provided by the US International Trade Commission



Comparison – EIA & USITC Exports



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.

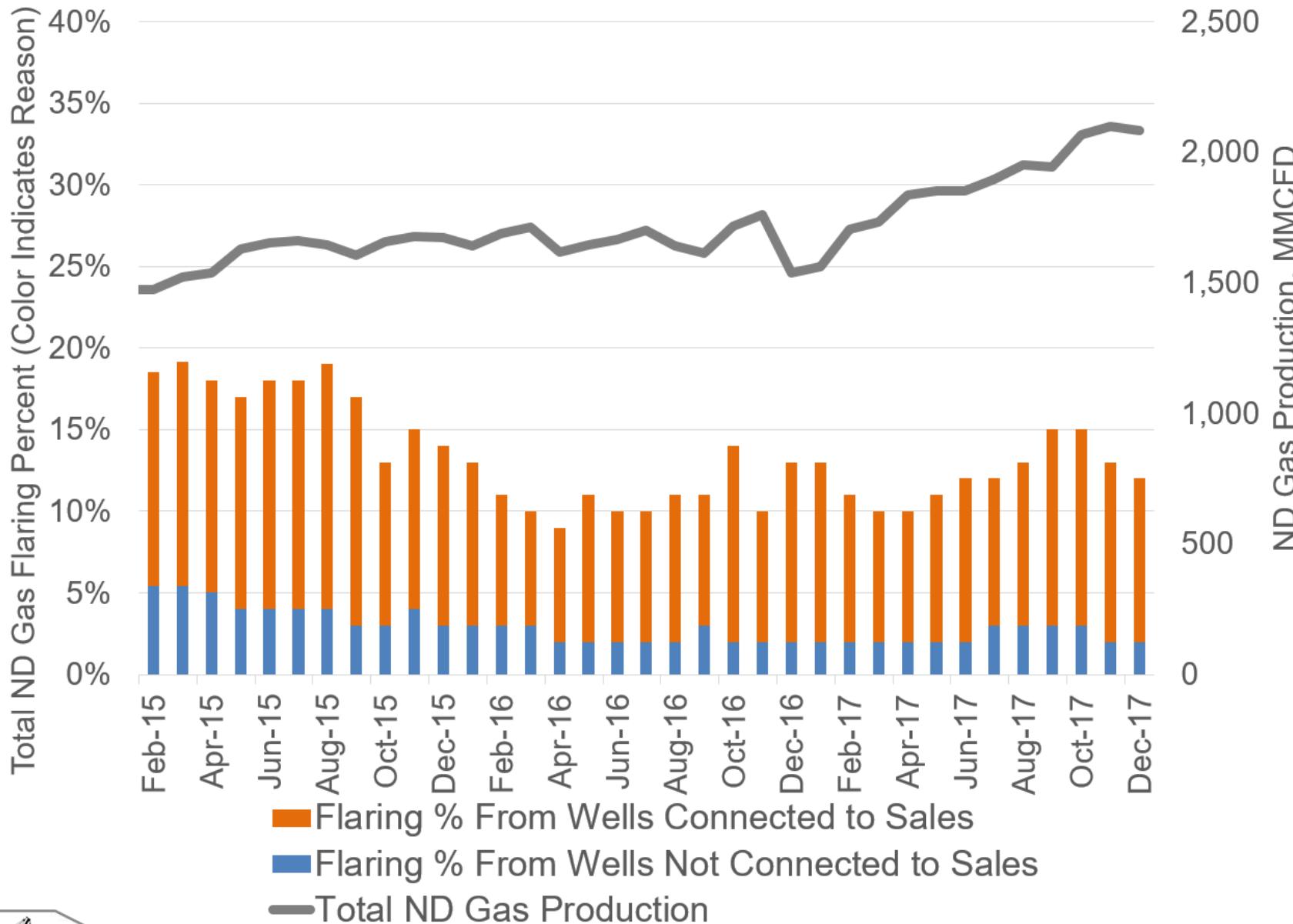
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

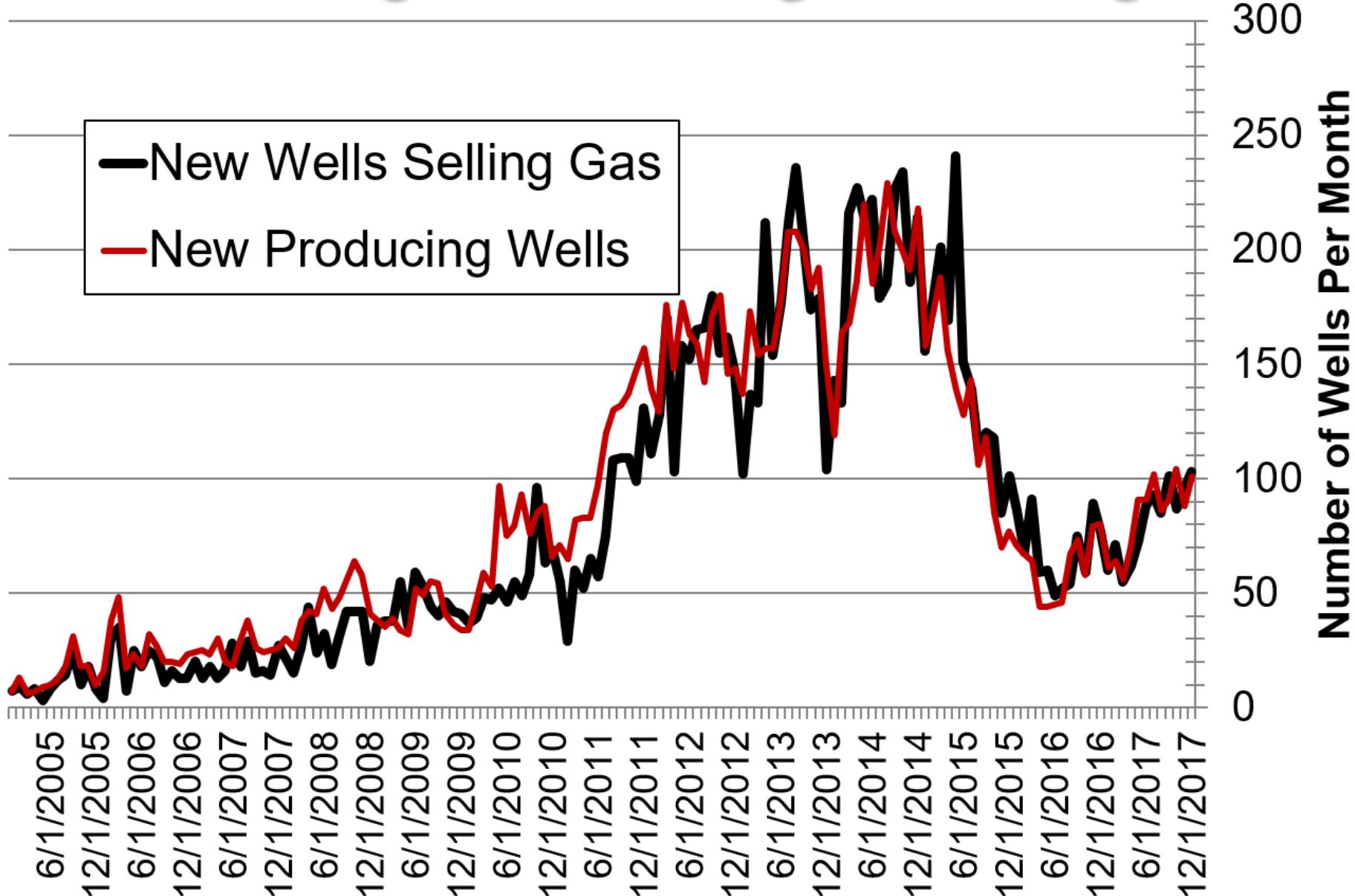
Dec 2017 Data – Non-Confidential Wells



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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www.pipeline.nd.gov

www.northdakotapipelines.com

