



October 2016 Monthly Update

North Dakota Pipeline Authority

Justin J. Kringstad

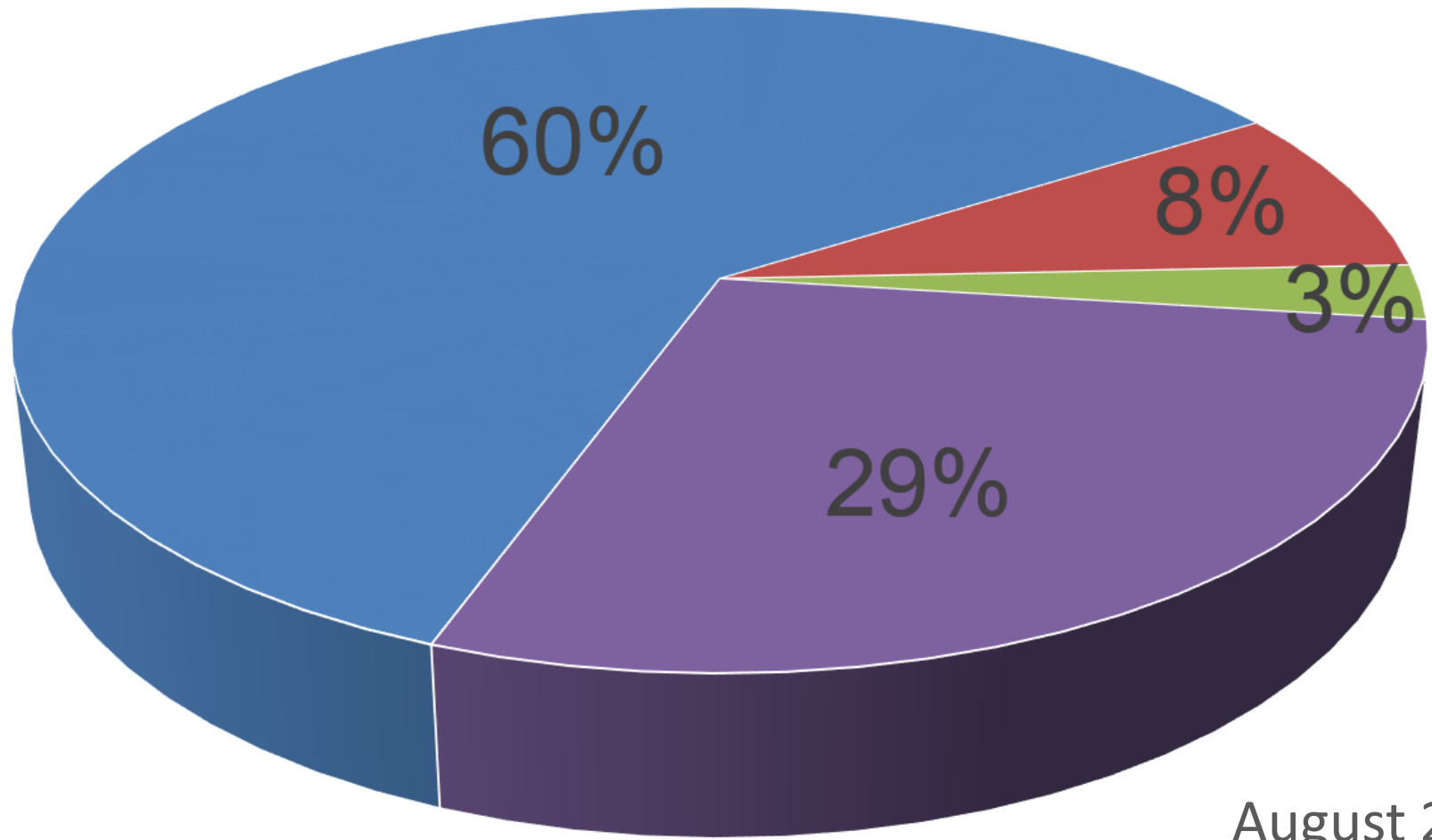
October 13, 2016

US Williston Basin Oil Production - 2016

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,121,612	63,371	4,148	1,189,130
February	1,118,695	62,710	4,067	1,185,472
March	1,111,737	61,477	3,948	1,177,161
April	1,042,007	59,962	3,846	1,105,814
May	1,047,002	59,054	3,971	1,110,027
June	1,027,131	57,987	3,859	1,088,977
July	1,029,734	55,783	3,786	1,089,303
August	981,039			
September				
October				
November				
December				



Estimated Williston Basin Oil Transportation



August 2016

■ Pipeline Export

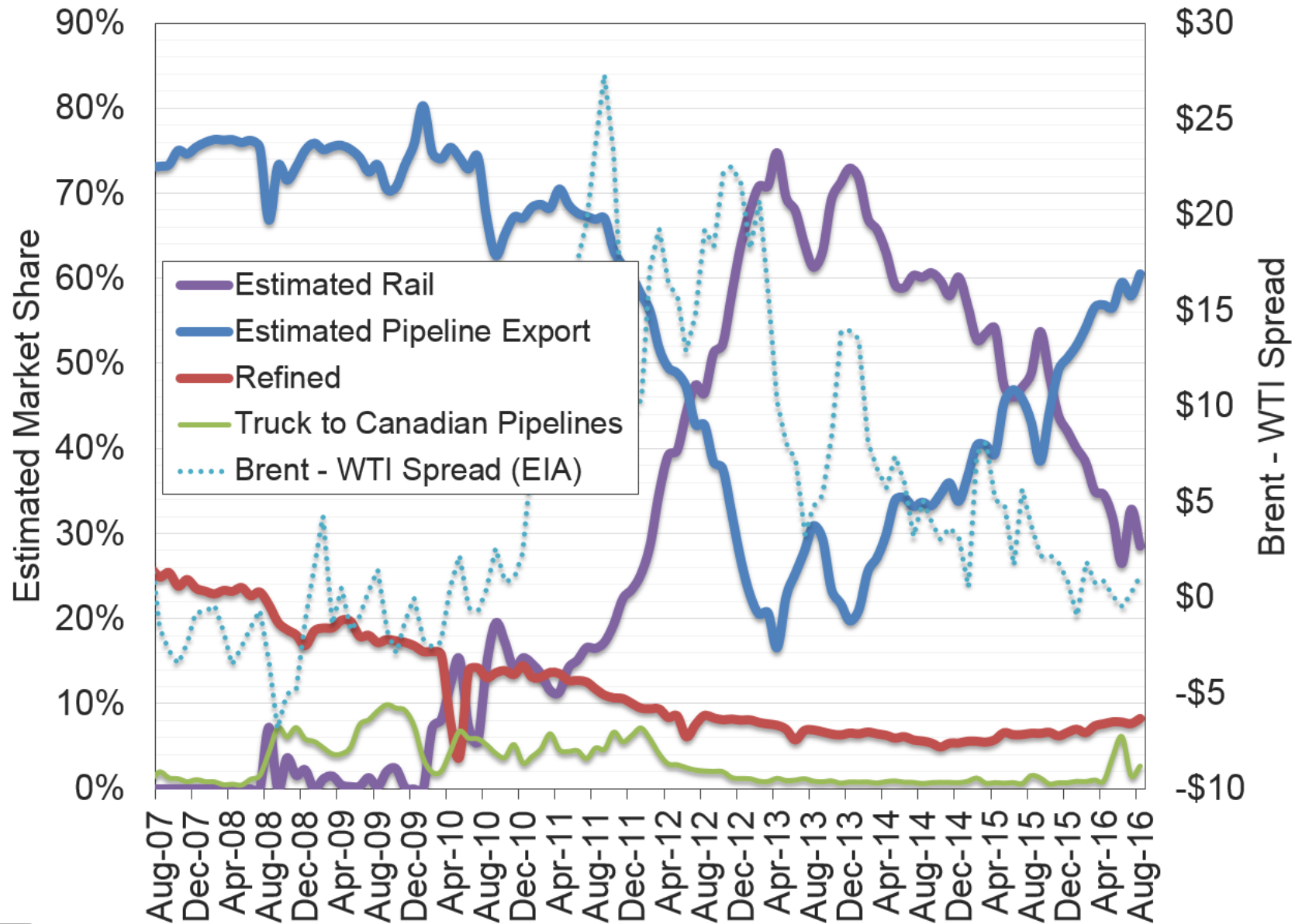
■ Refined

■ Truck to Canadian Pipelines

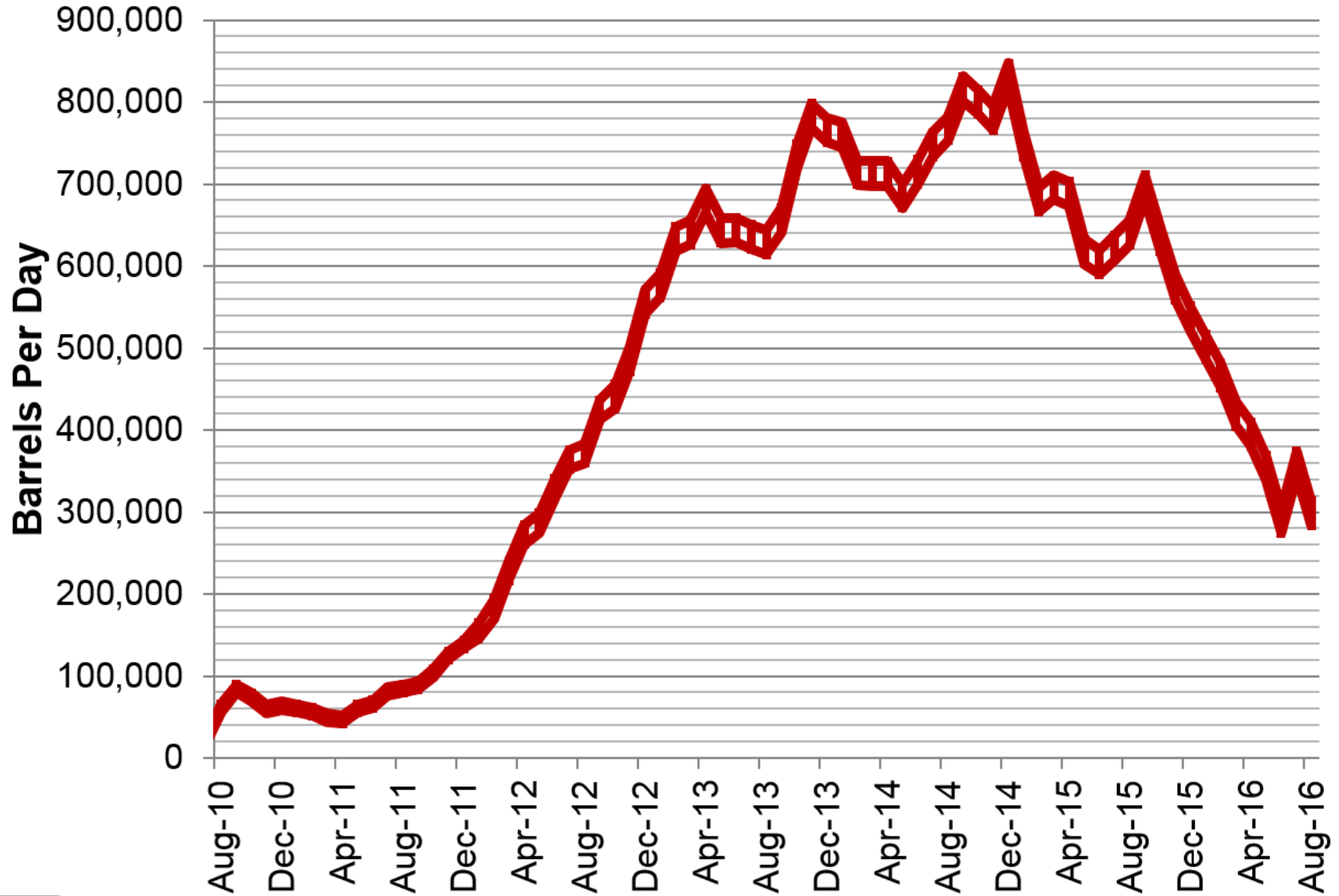
■ Estimated Rail



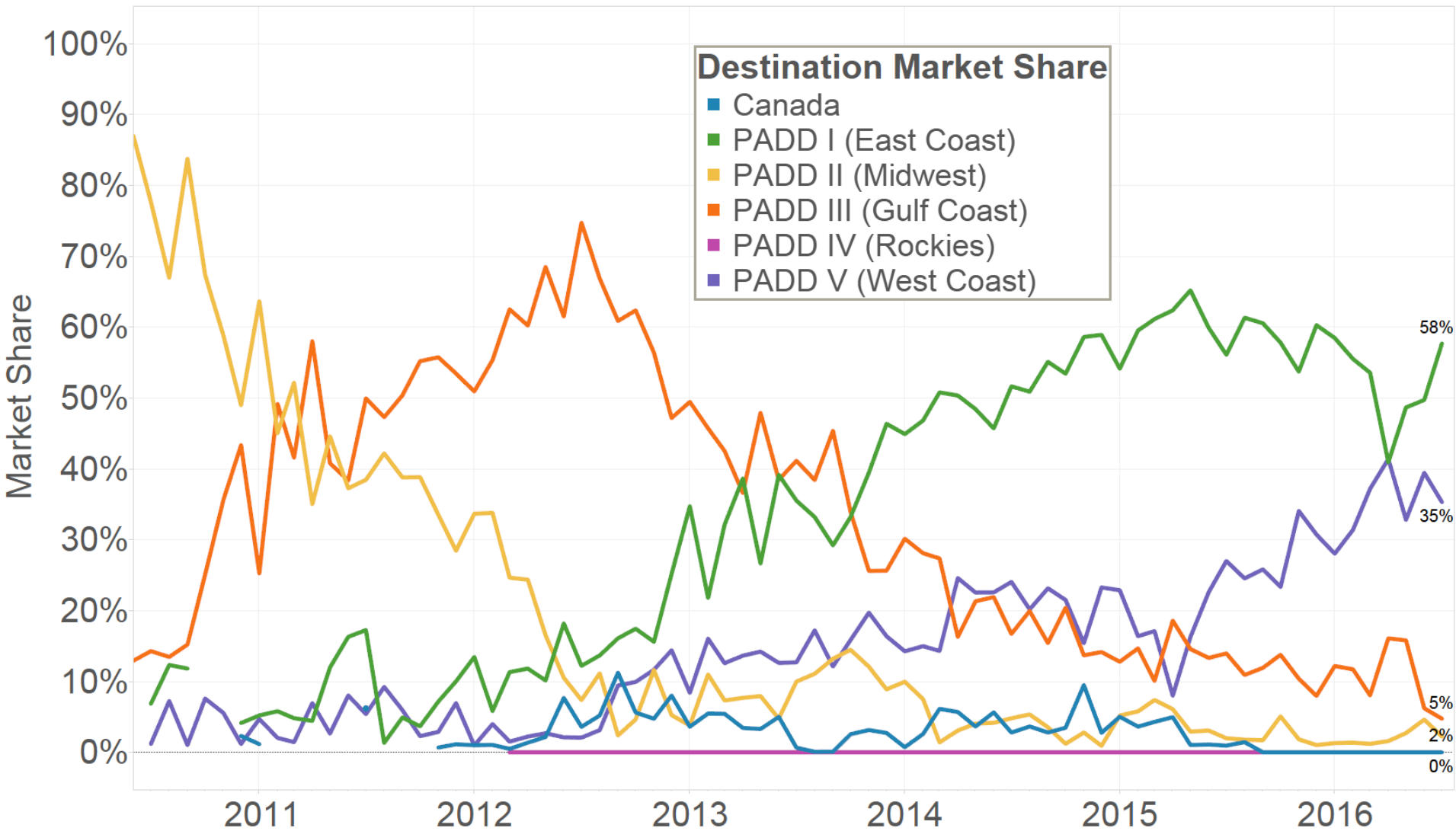
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



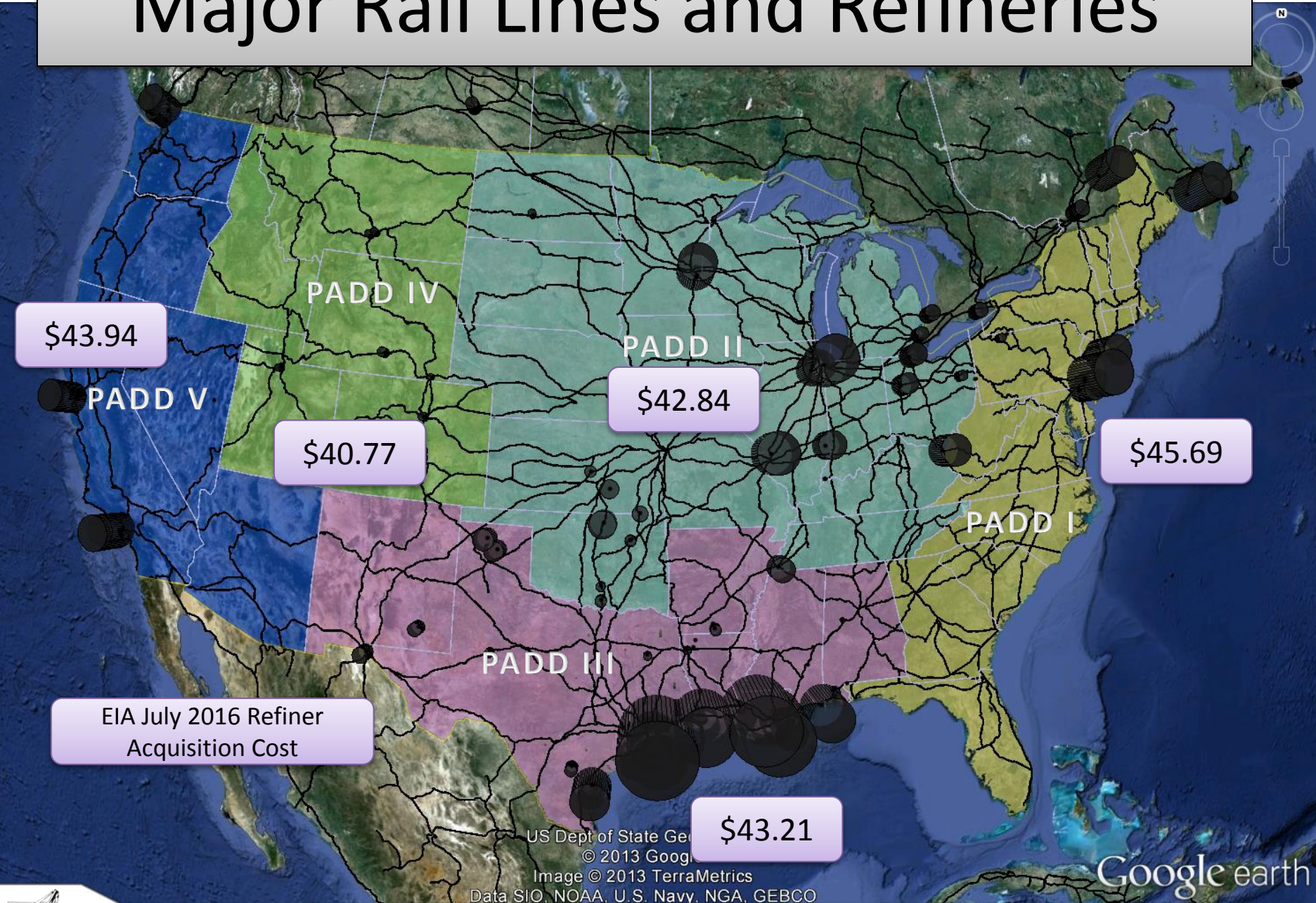
Rail Destinations Market Share (July 2016)



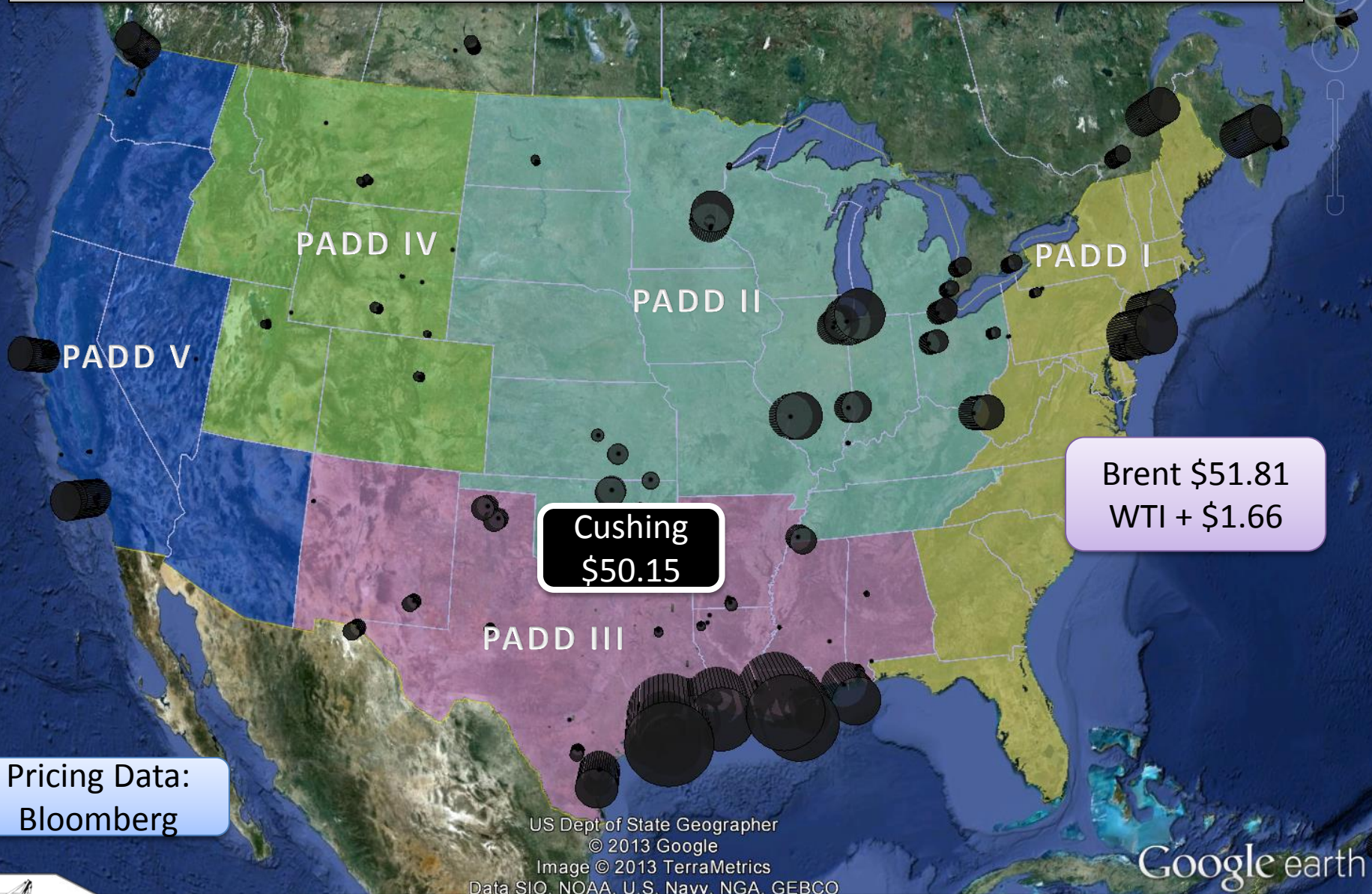
Data for Rail Destination Market Share Provided by the US Energy Information Administration



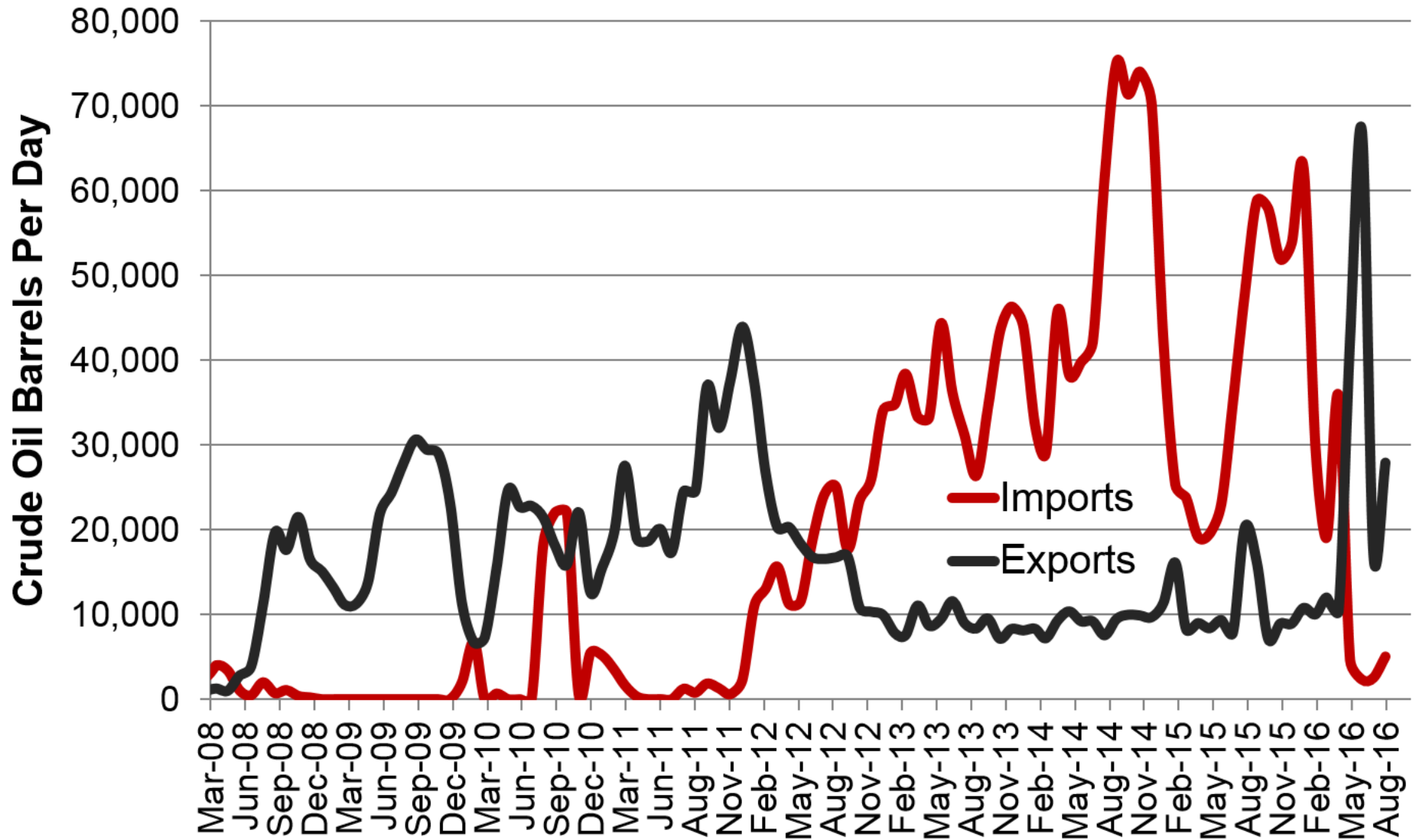
Major Rail Lines and Refineries



Crude Oil Prices – Oct 13, 2016



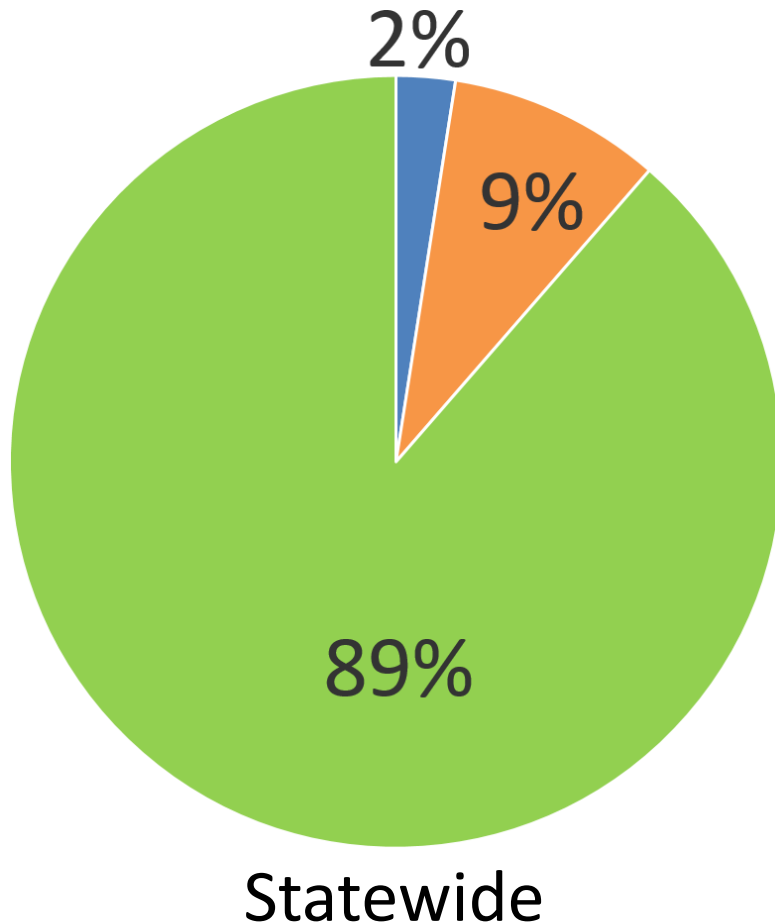
Williston Basin Truck Imports and Exports with Canada



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.

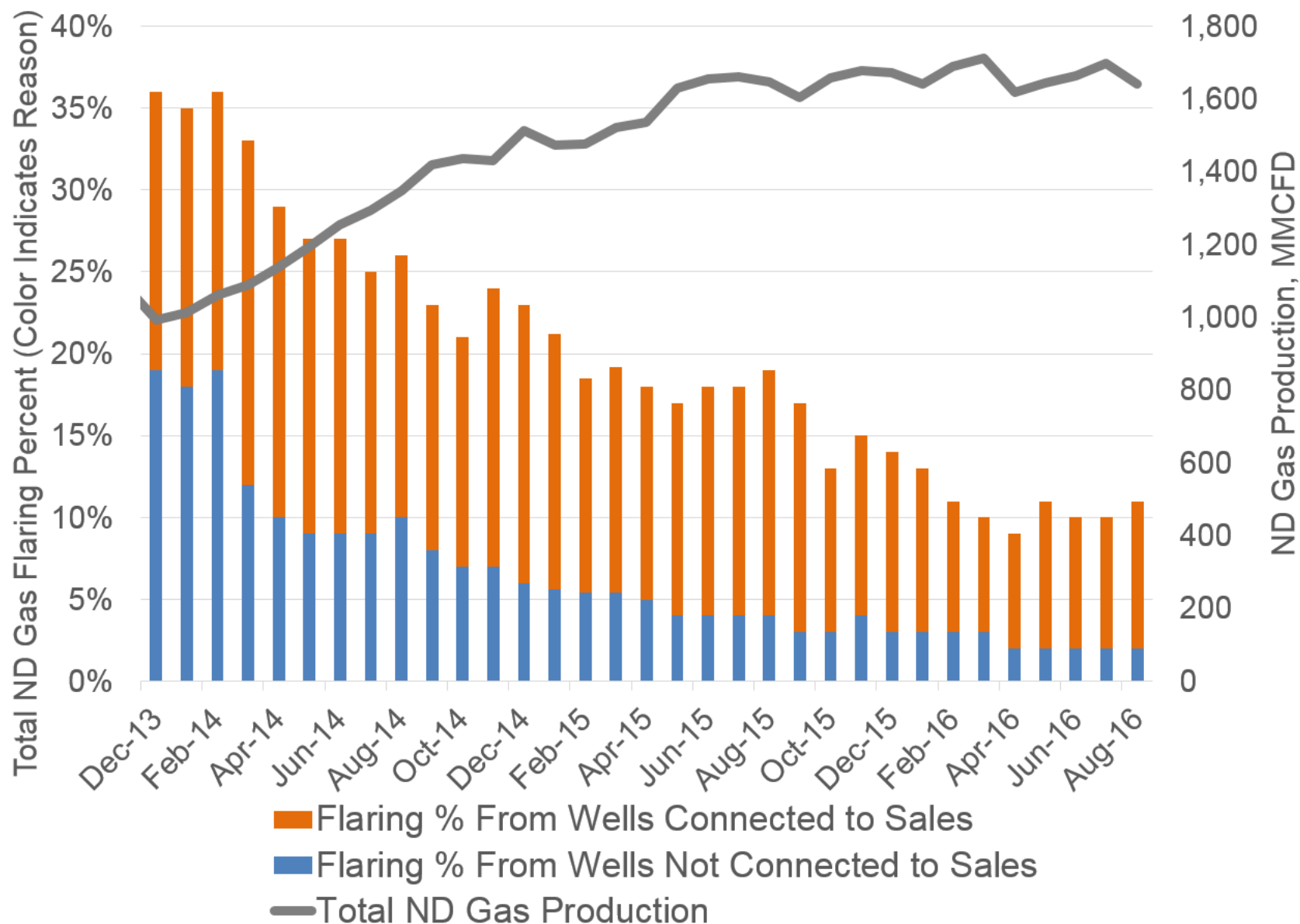
Simple Terms

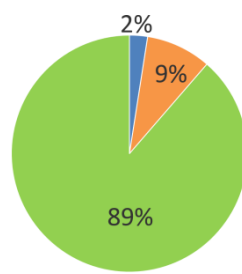
Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Aug 2016 Data – Non-Confidential Wells

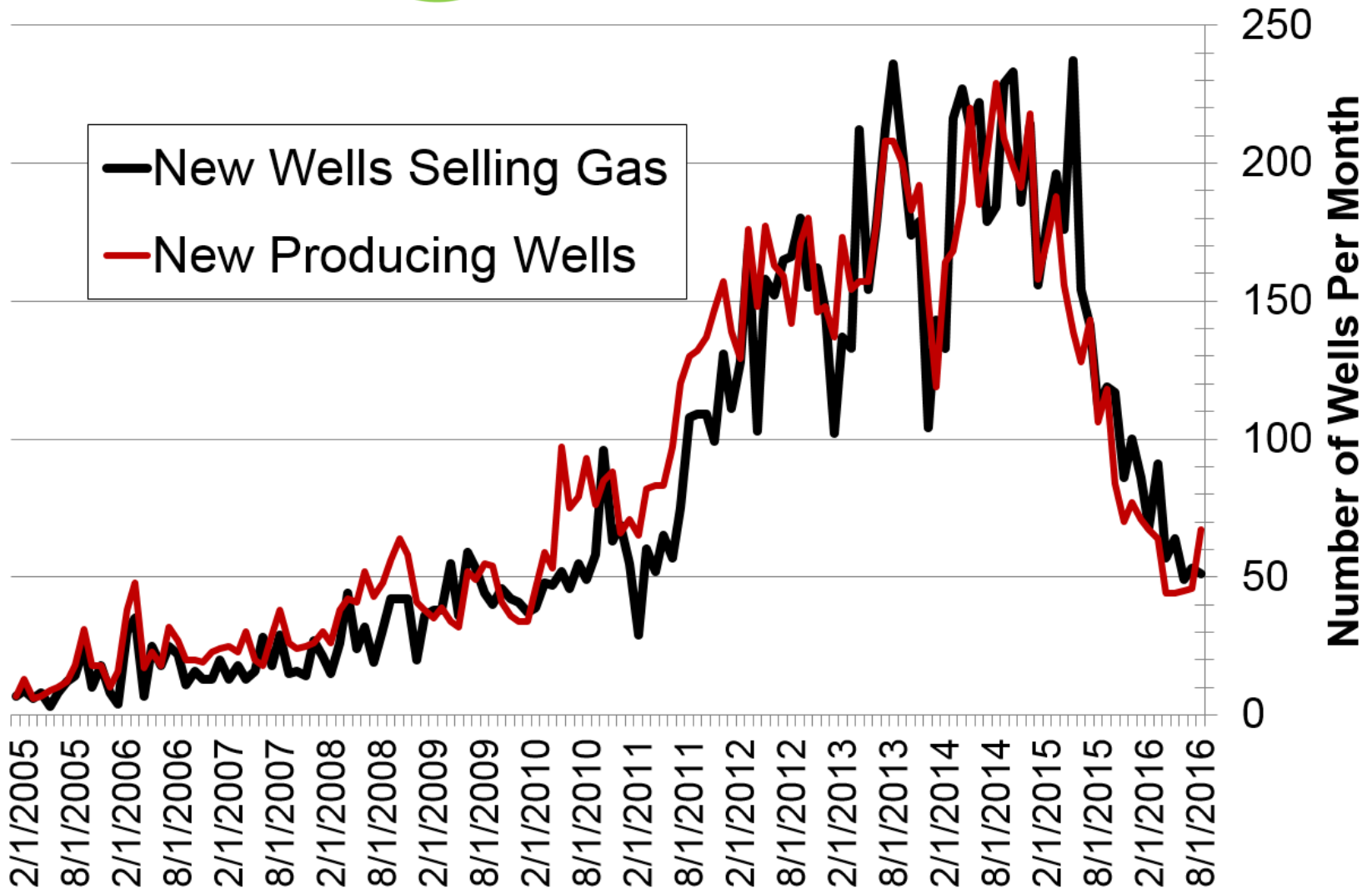


Solving the Flaring Challenge

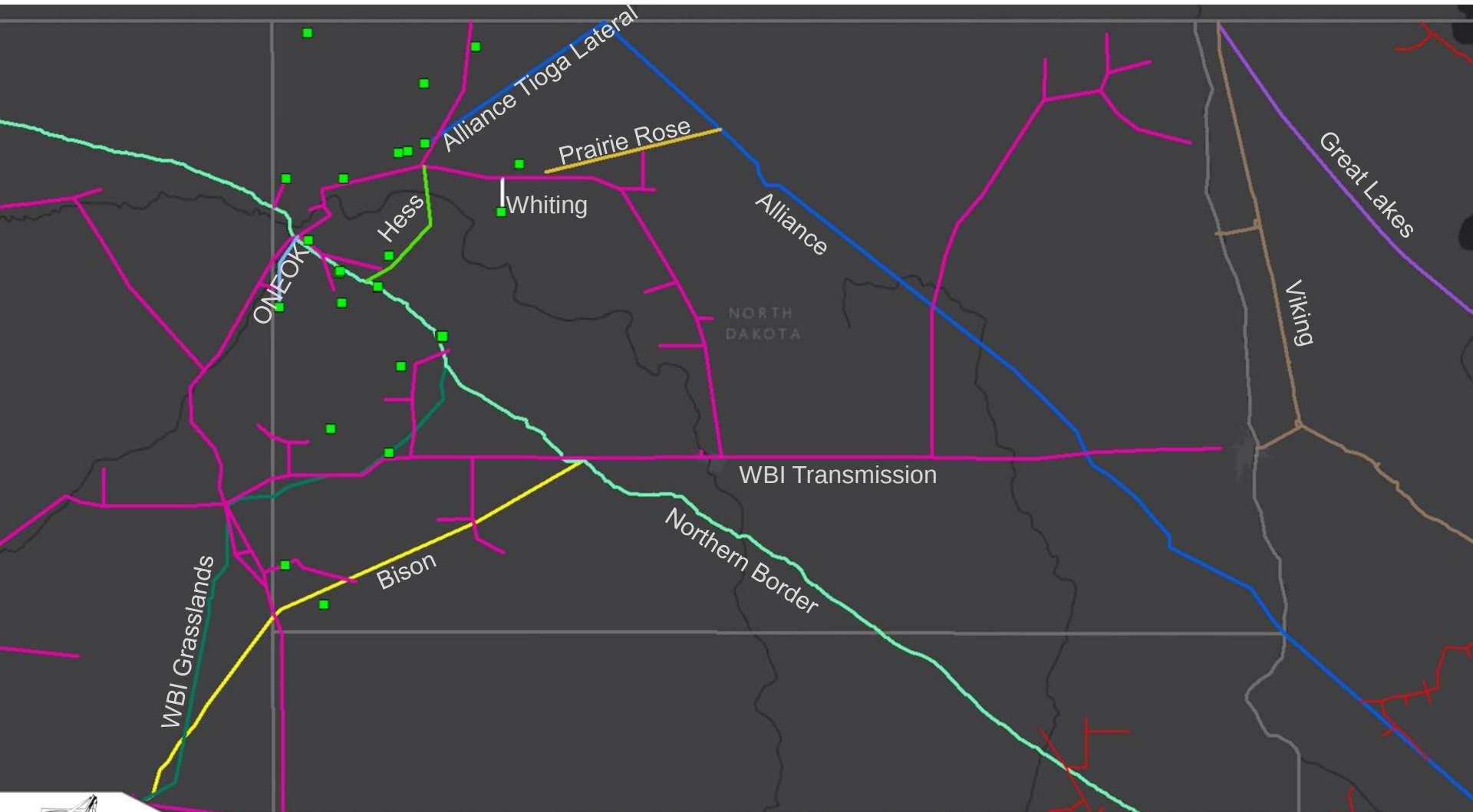




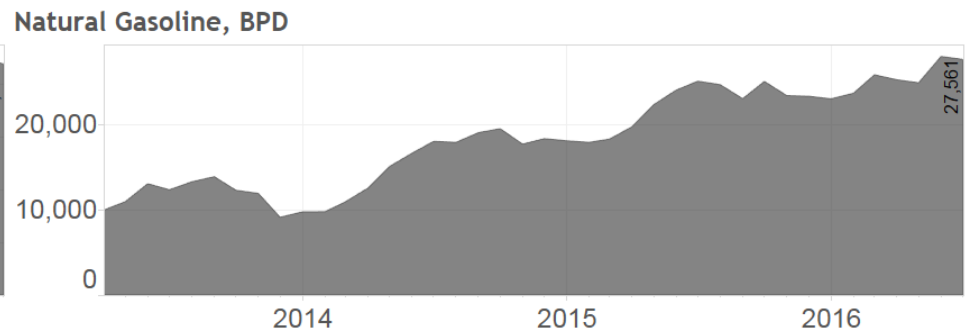
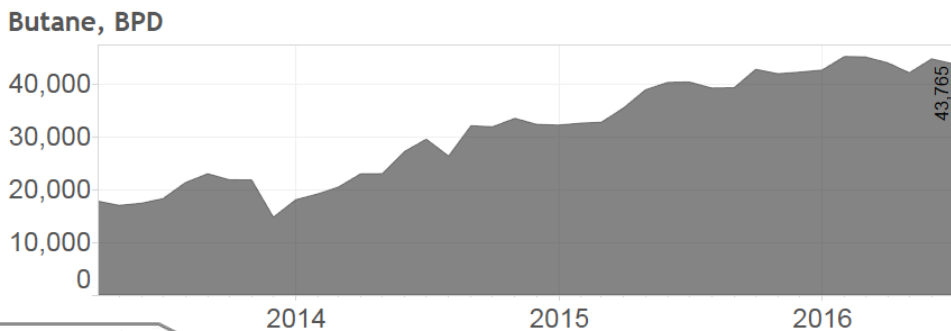
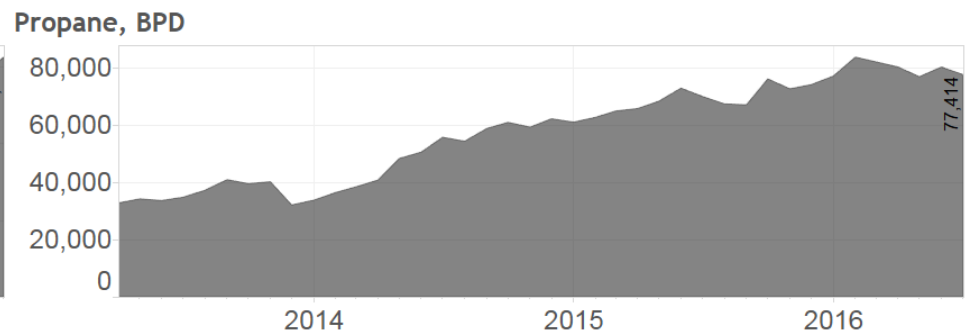
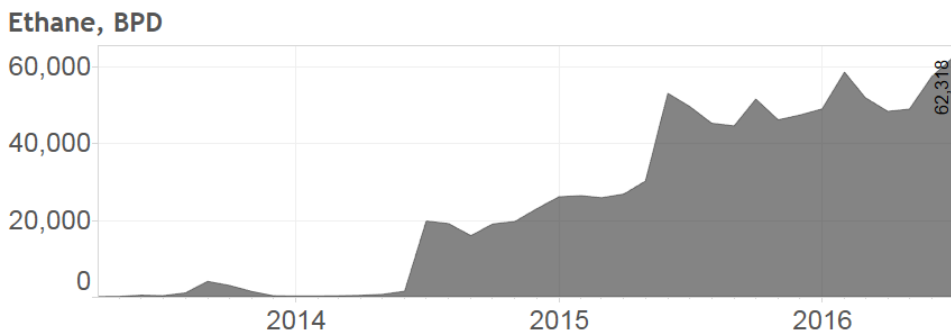
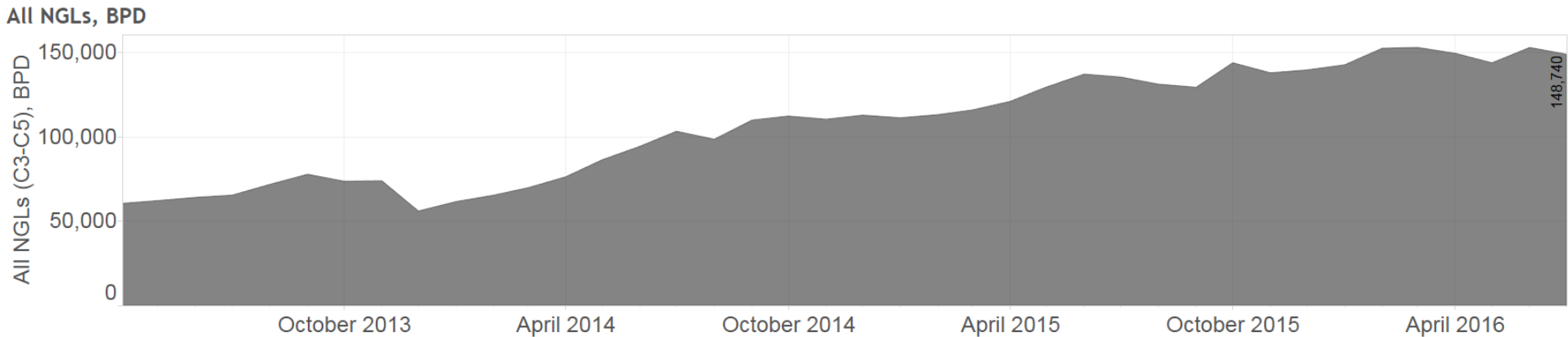
Capturing the 2% Faster Well Connections



Major Gas Pipeline and Processing Infrastructure



Gas Plant Natural Gas Liquids (July 2016)



Contact Information

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