



January 2017 Monthly Update

North Dakota Pipeline Authority

Justin J. Kringstad

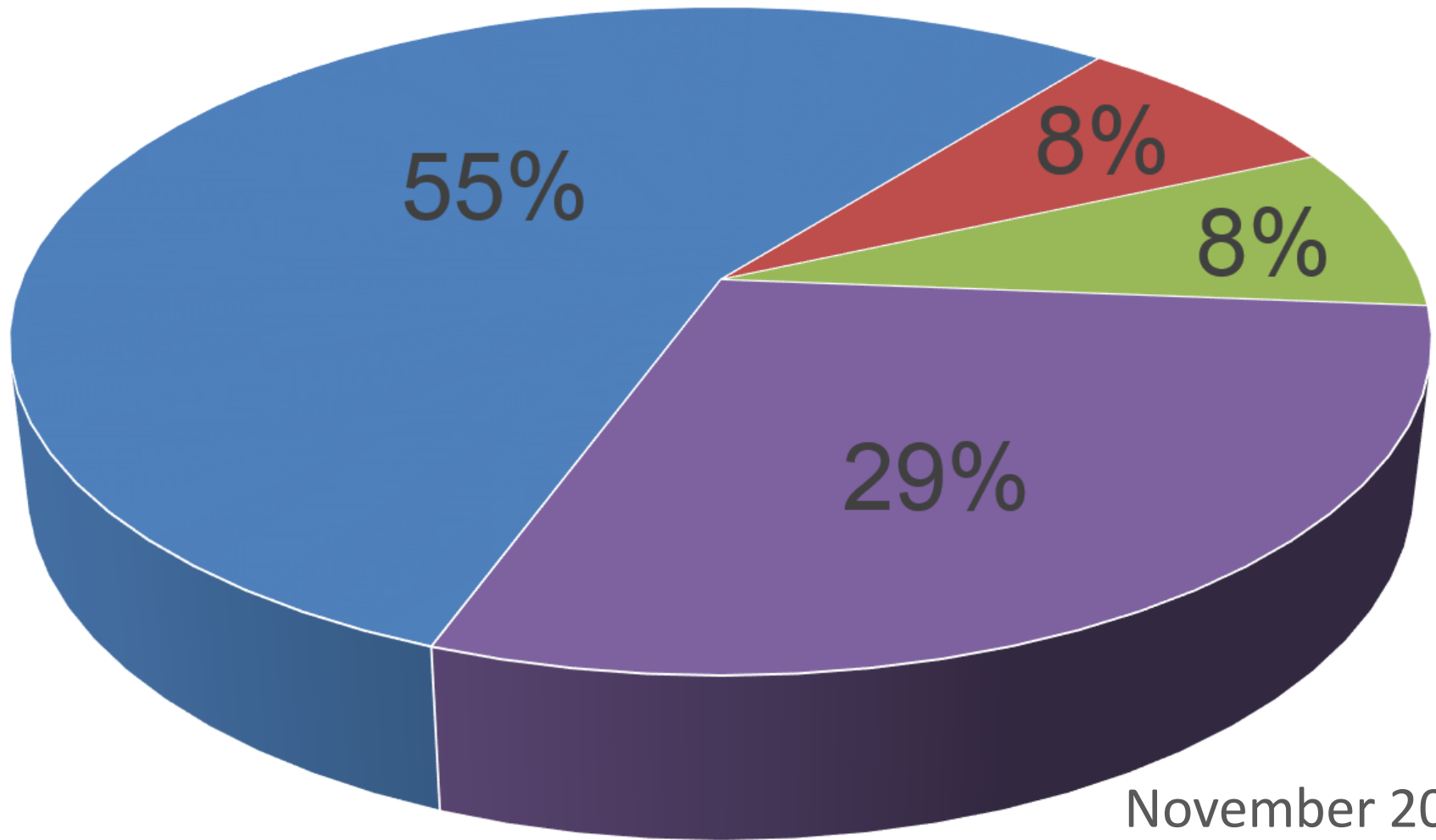
January 13, 2017

US Williston Basin Oil Production - 2016

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,121,623	63,364	4,148	1,189,135
February	1,119,584	62,710	4,067	1,186,361
March	1,111,721	61,481	3,948	1,177,150
April	1,042,012	59,966	3,846	1,105,824
May	1,046,977	59,273	3,971	1,110,221
June	1,027,230	58,416	3,859	1,089,505
July	1,029,751	56,776	3,803	1,090,330
August	982,017	55,609	3,818	1,041,444
September	971,760	55,127	3,764	1,030,651
October	1,043,318	54,367	3,631	1,101,316
November	1,033,693			
December				



Estimated Williston Basin Oil Transportation



November 2016

■ Pipeline Export

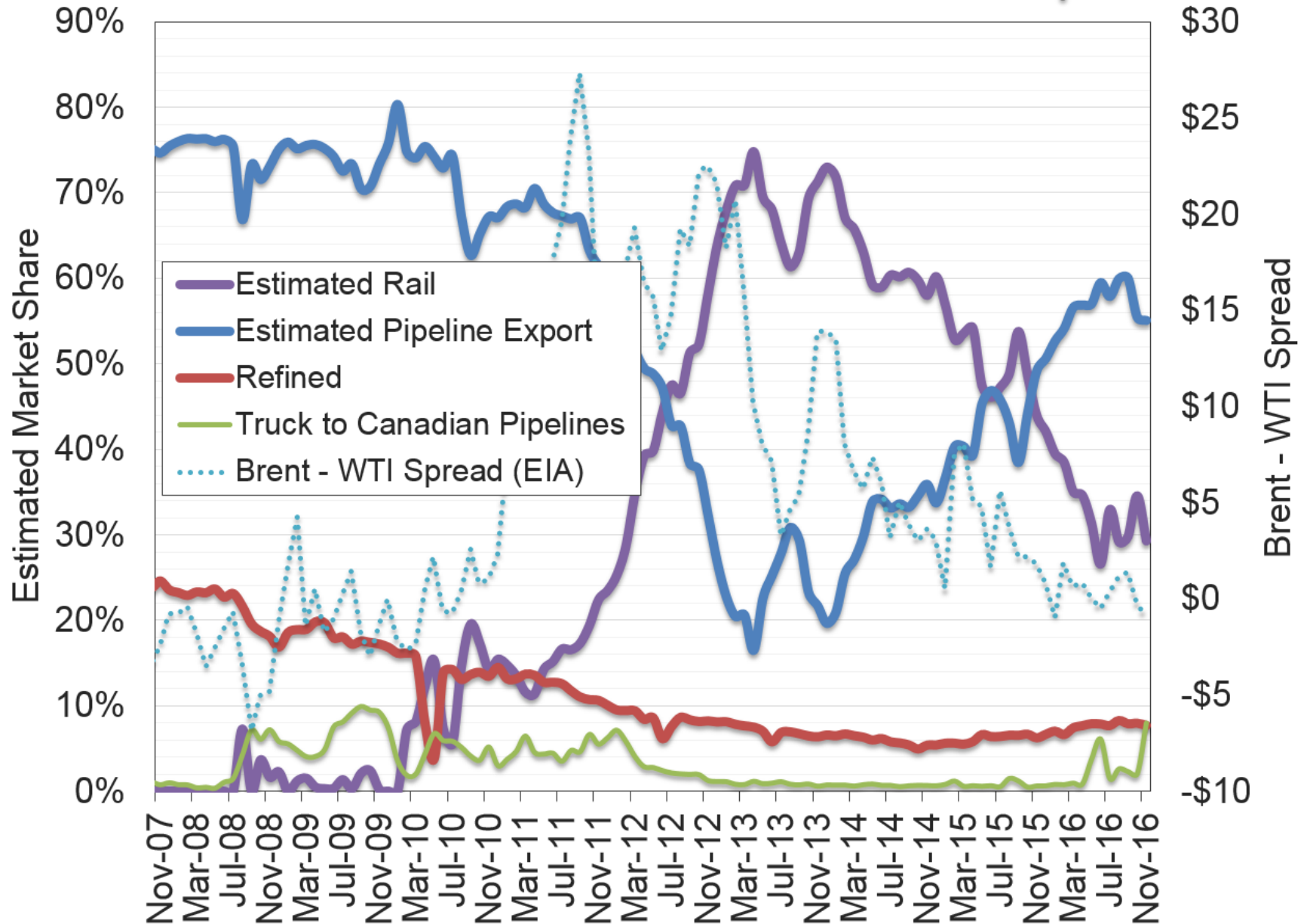
■ Refined

■ Truck to Canadian Pipelines

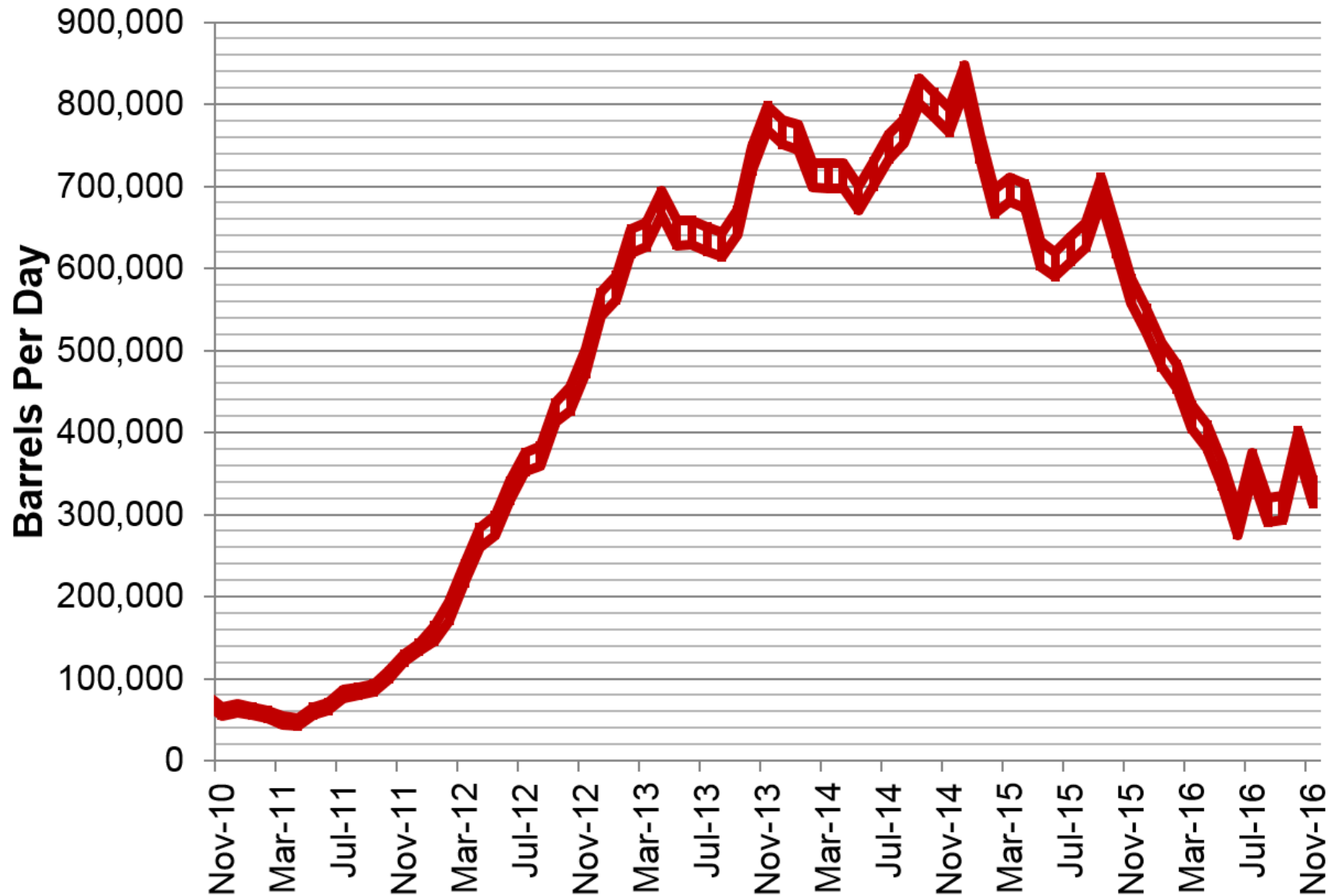
■ Estimated Rail



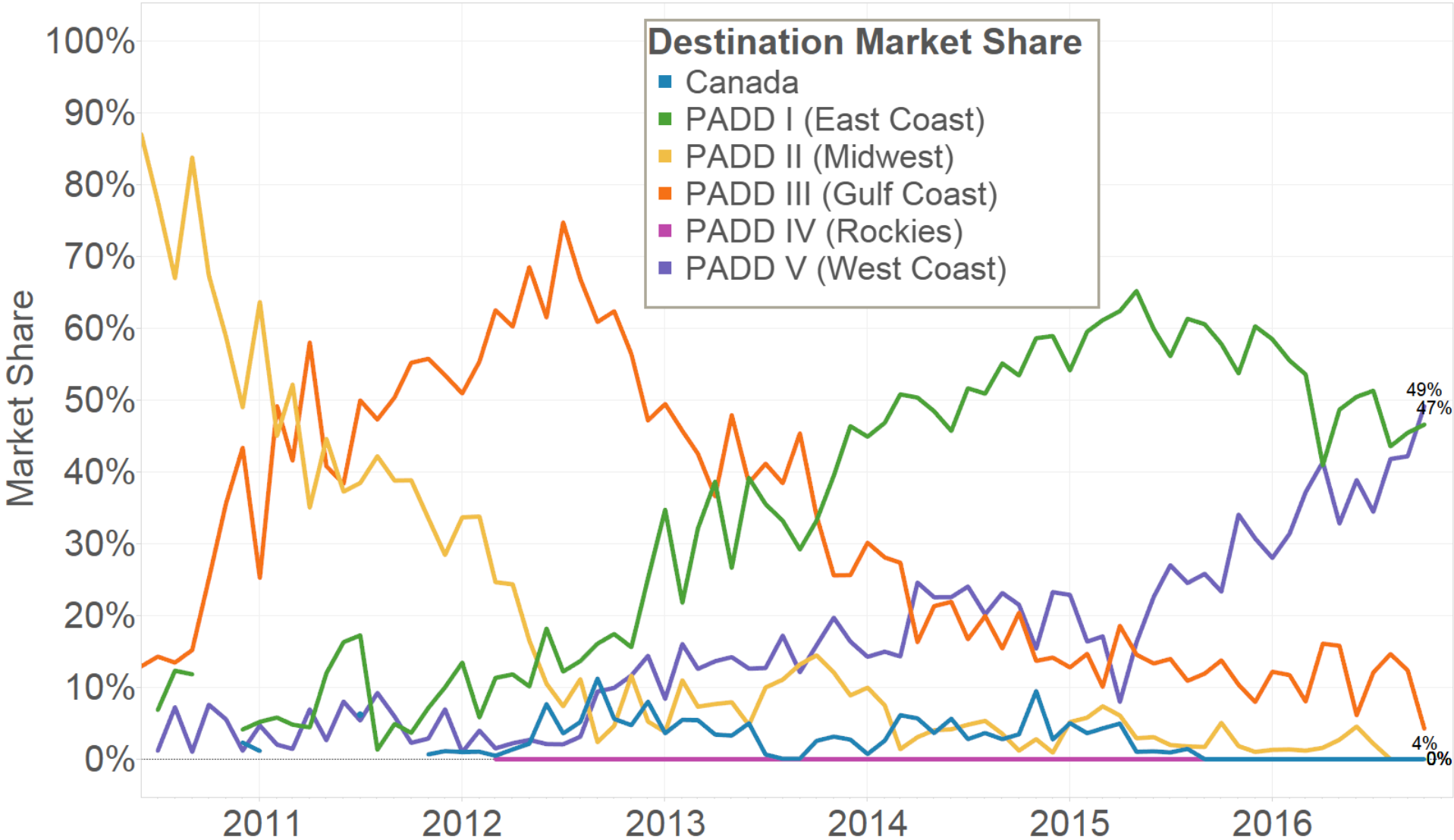
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



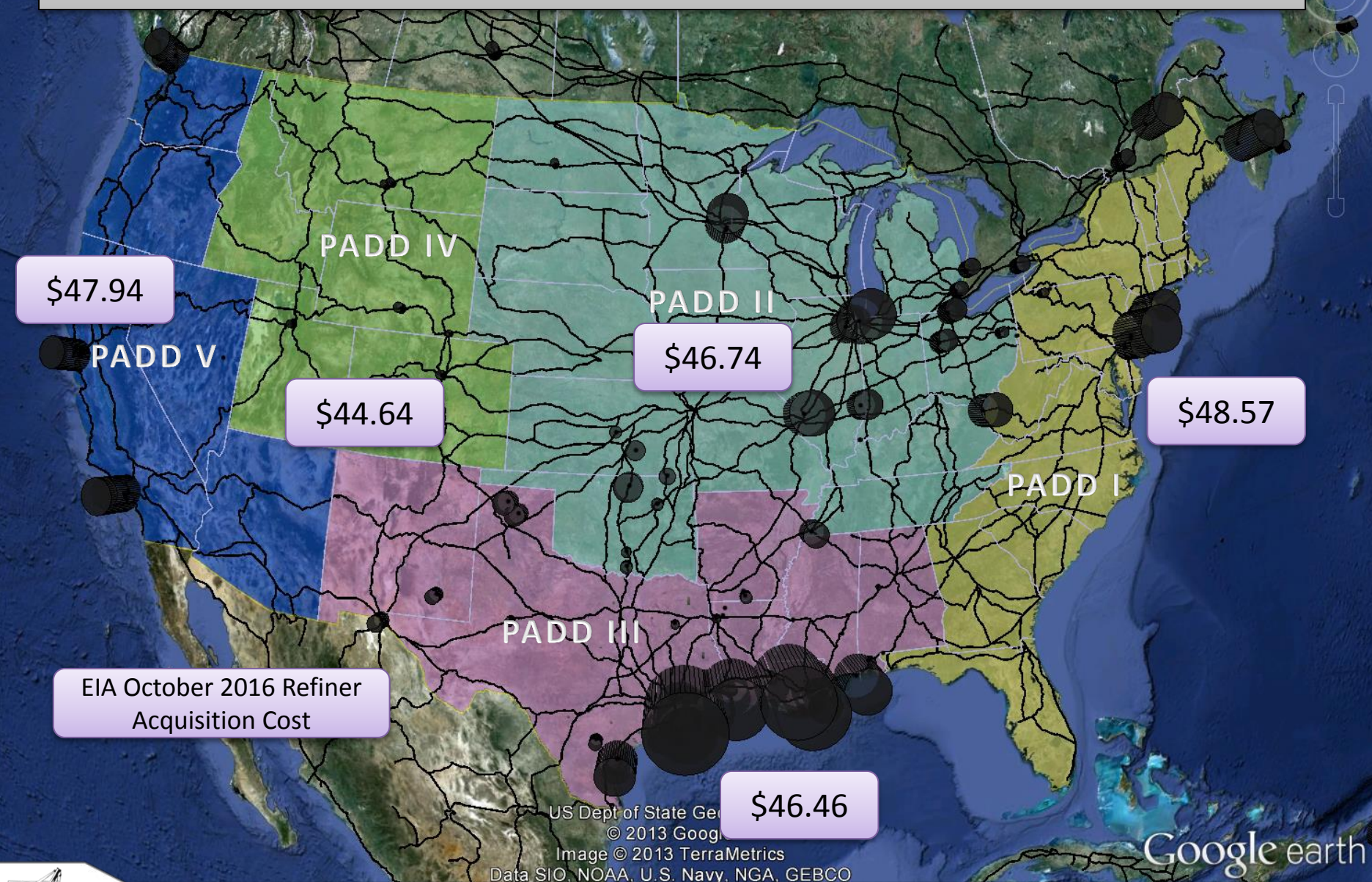
Rail Destinations Market Share (Oct. 2016)



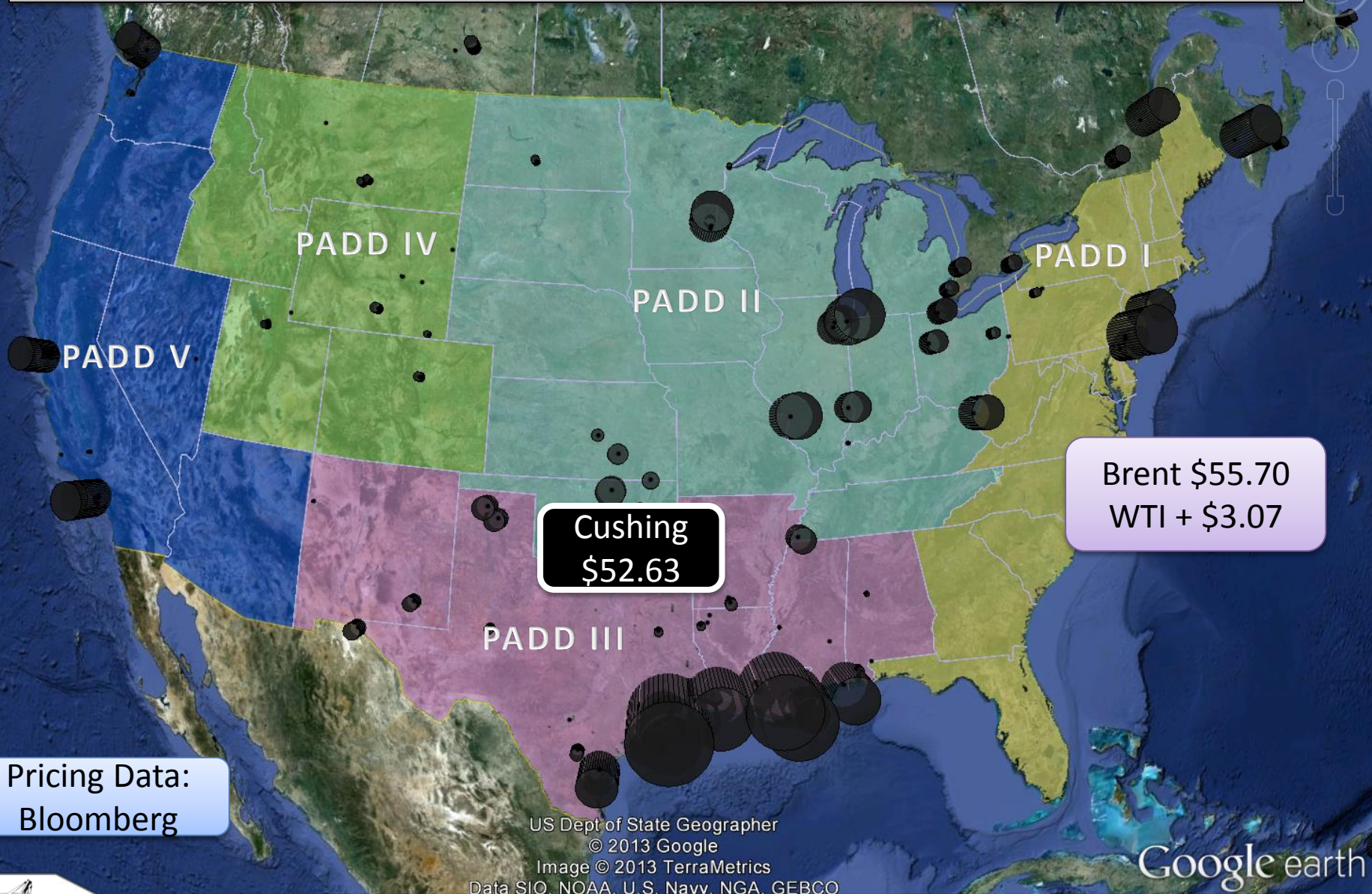
Data for Rail Destination Market Share Provided by the US Energy Information Administration



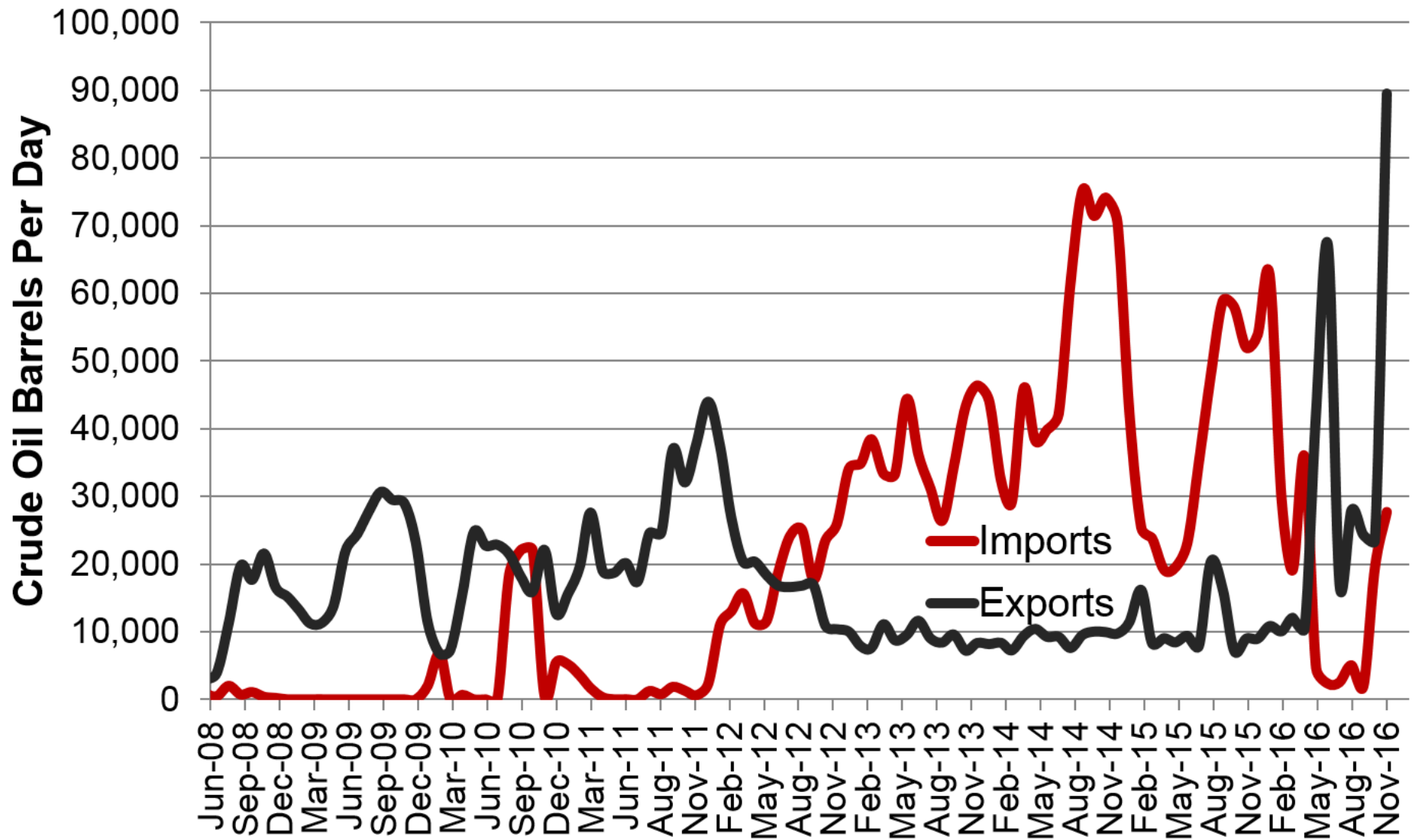
Major Rail Lines and Refineries



Crude Oil Prices – Jan 13, 2016



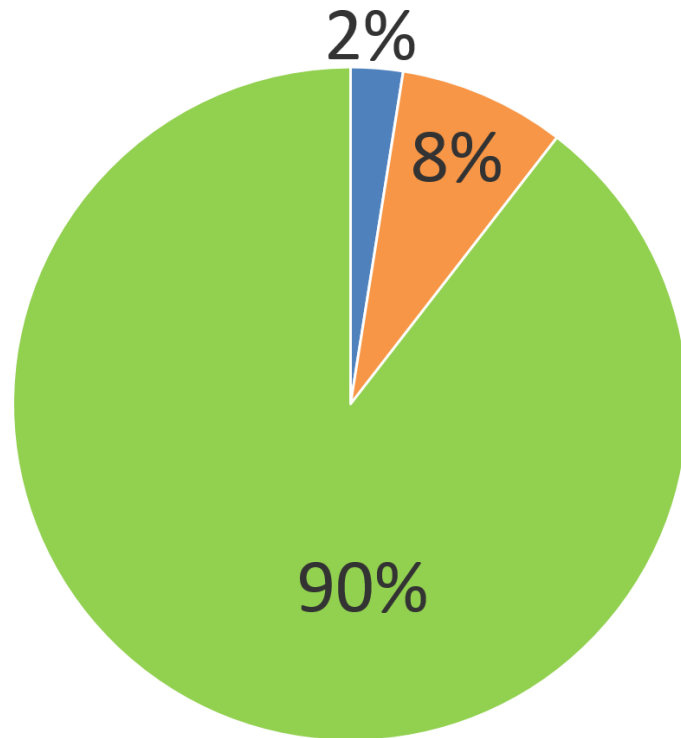
Williston Basin Truck Imports and Exports with Canada



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



Solving the Flaring Challenge



Statewide

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

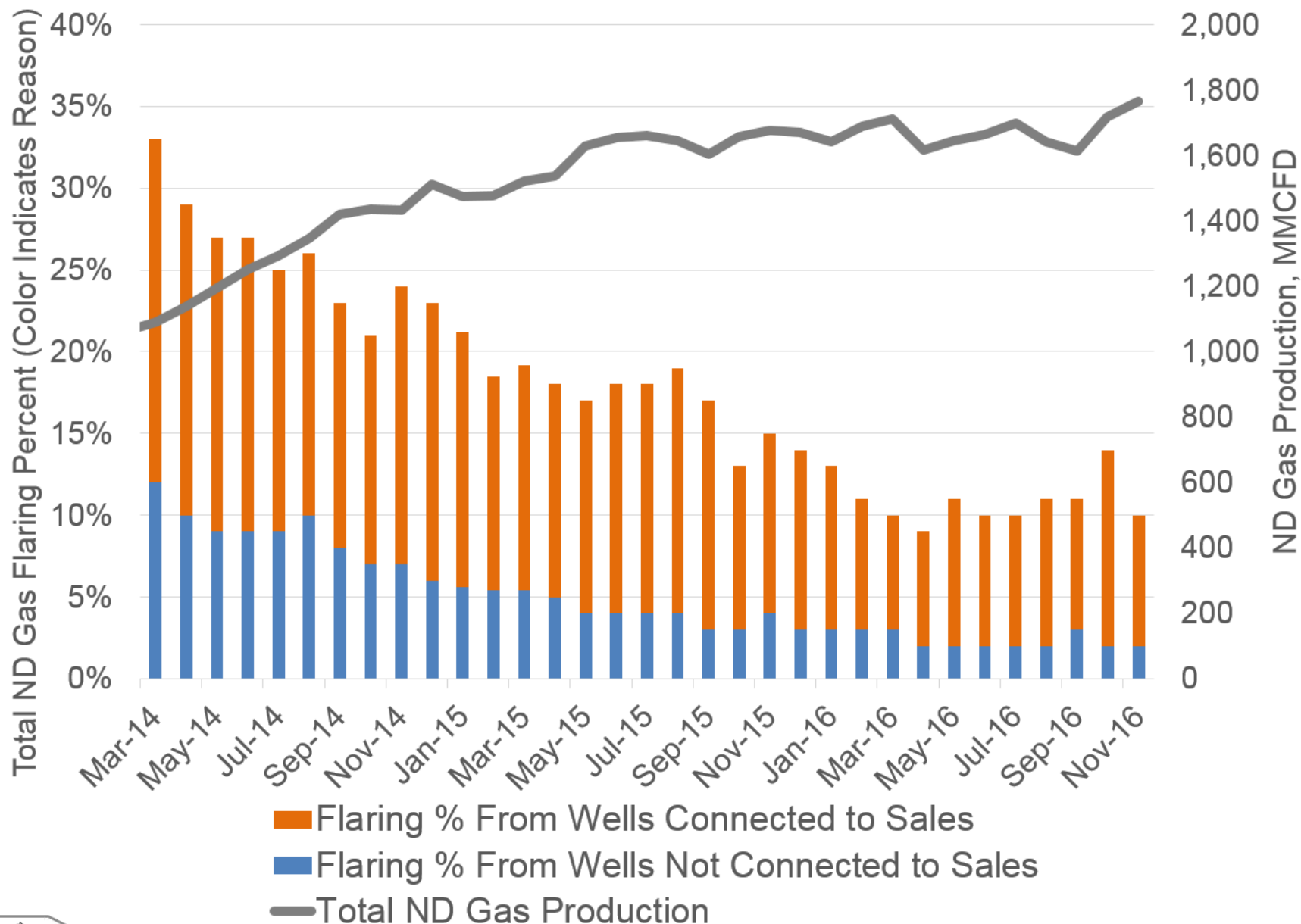
Simple Terms

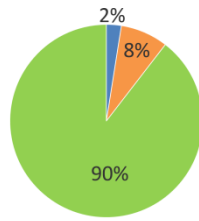
Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Nov 2016 Data – Non-Confidential Wells

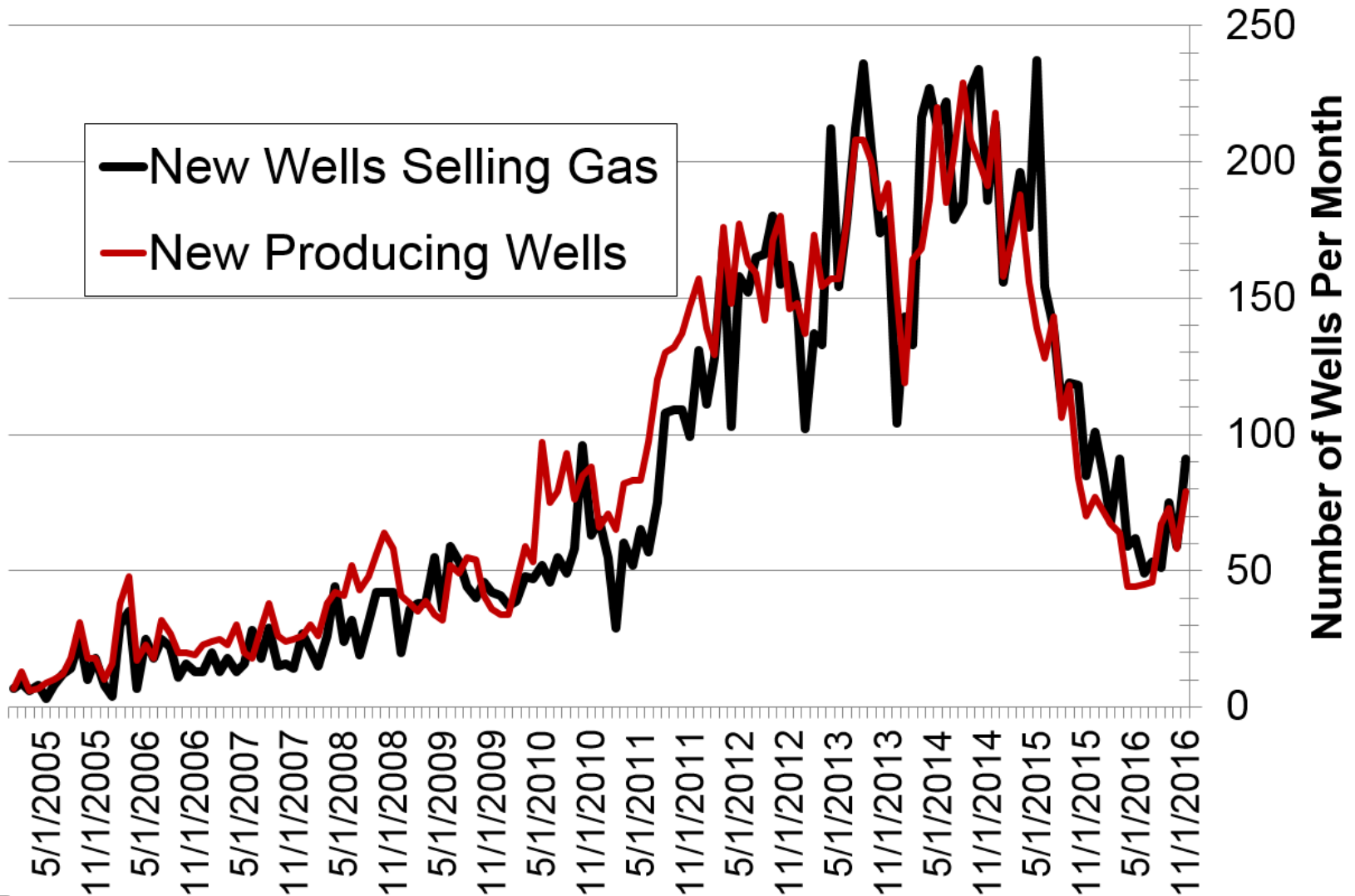


Solving the Flaring Challenge

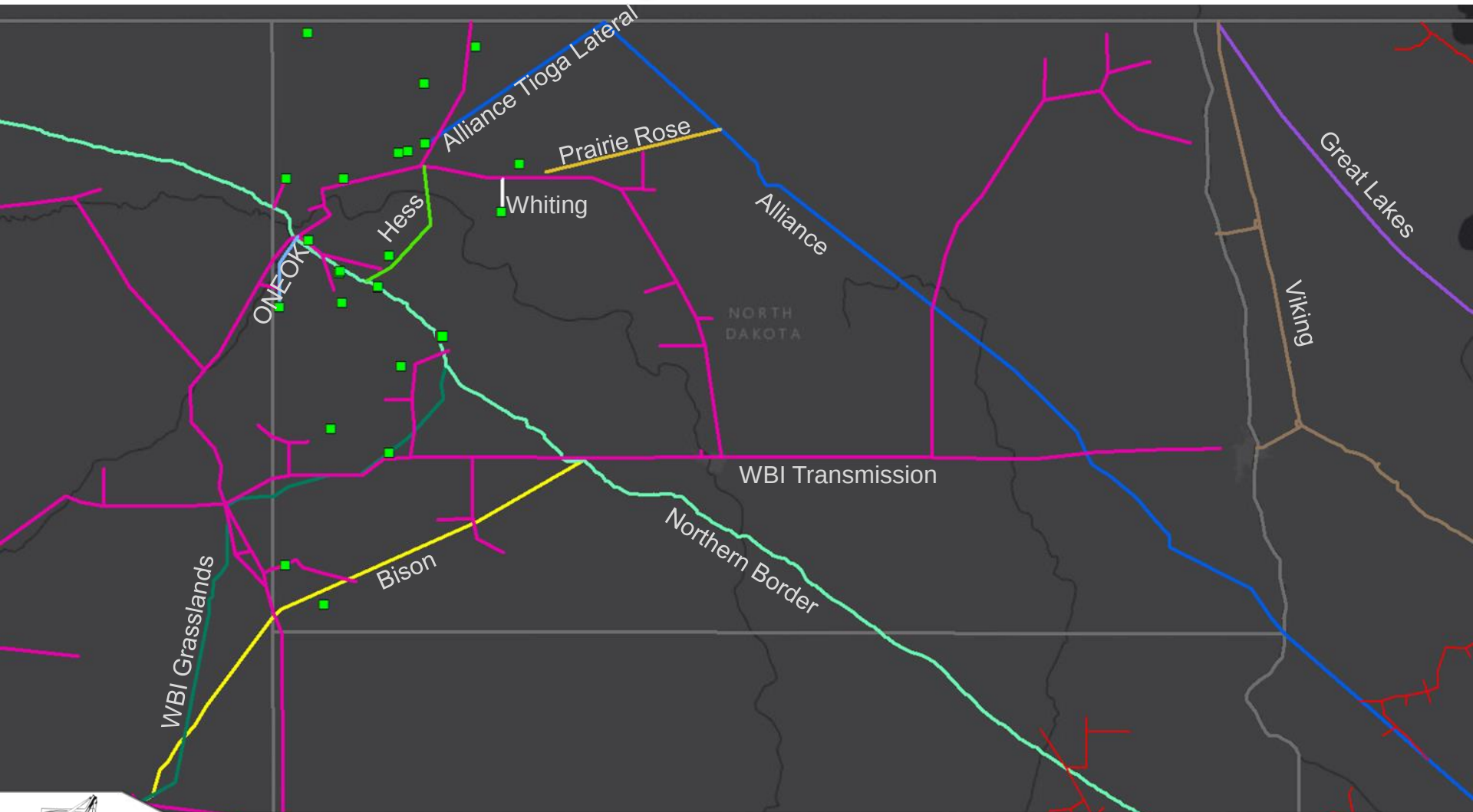




Capturing the 2% Faster Well Connections

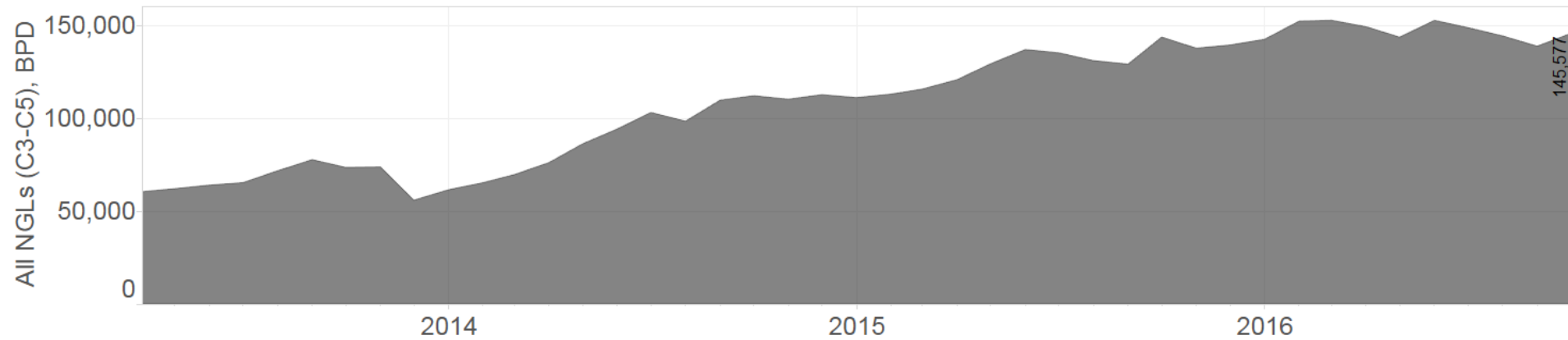


Major Gas Pipeline and Processing Infrastructure

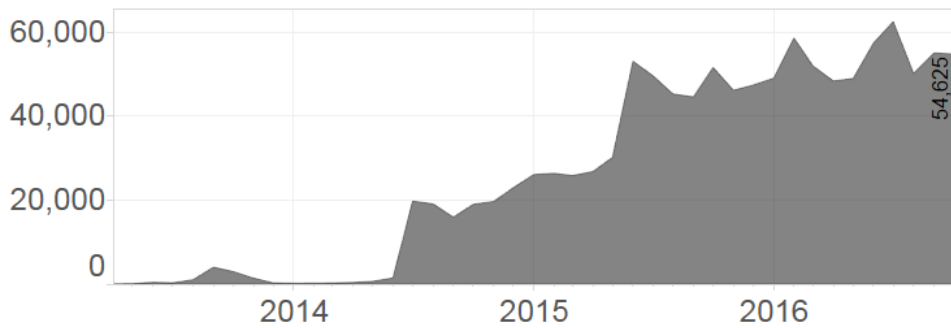


Plant Natural Gas Liquids - (Oct. 2016)

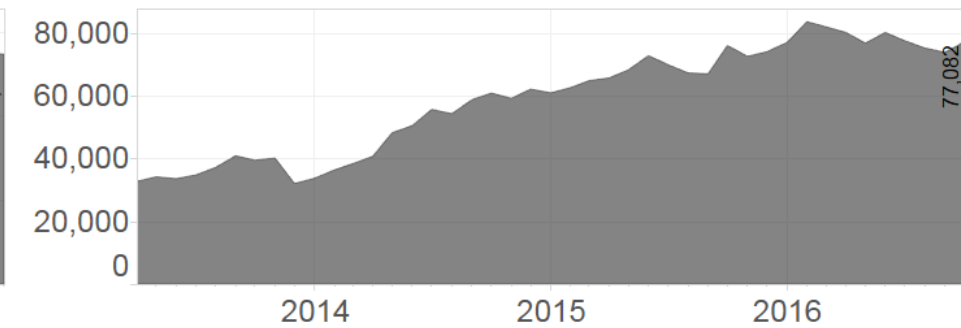
All NGLs, BPD



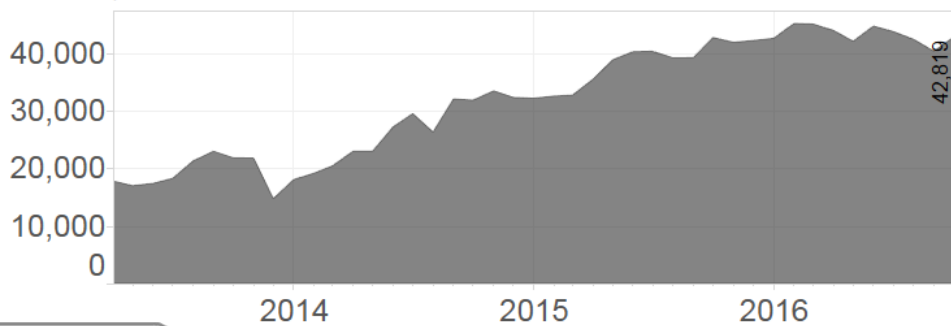
Ethane, BPD



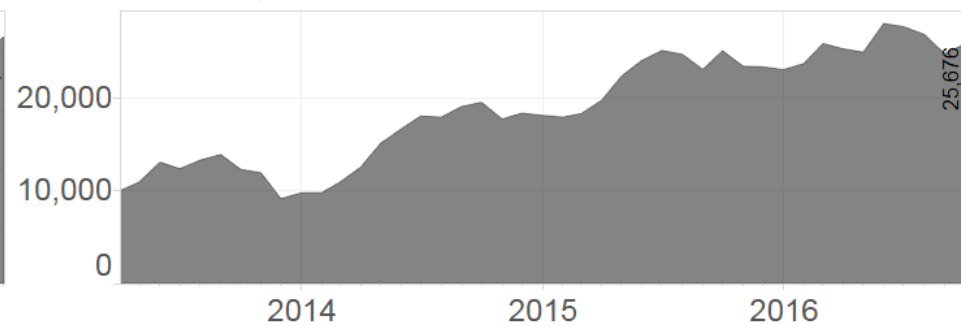
Propane, BPD



Butane, BPD



Natural Gasoline, BPD



Contact Information

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