



May 2017 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
May 12, 2017

US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	981,380	52,239	3,553	1,037,172
February	1,034,248	53,448	3,718	1,091,414
March	1,025,638			
April				
May				
June				
July				
August				
September				
October				
November				
December				

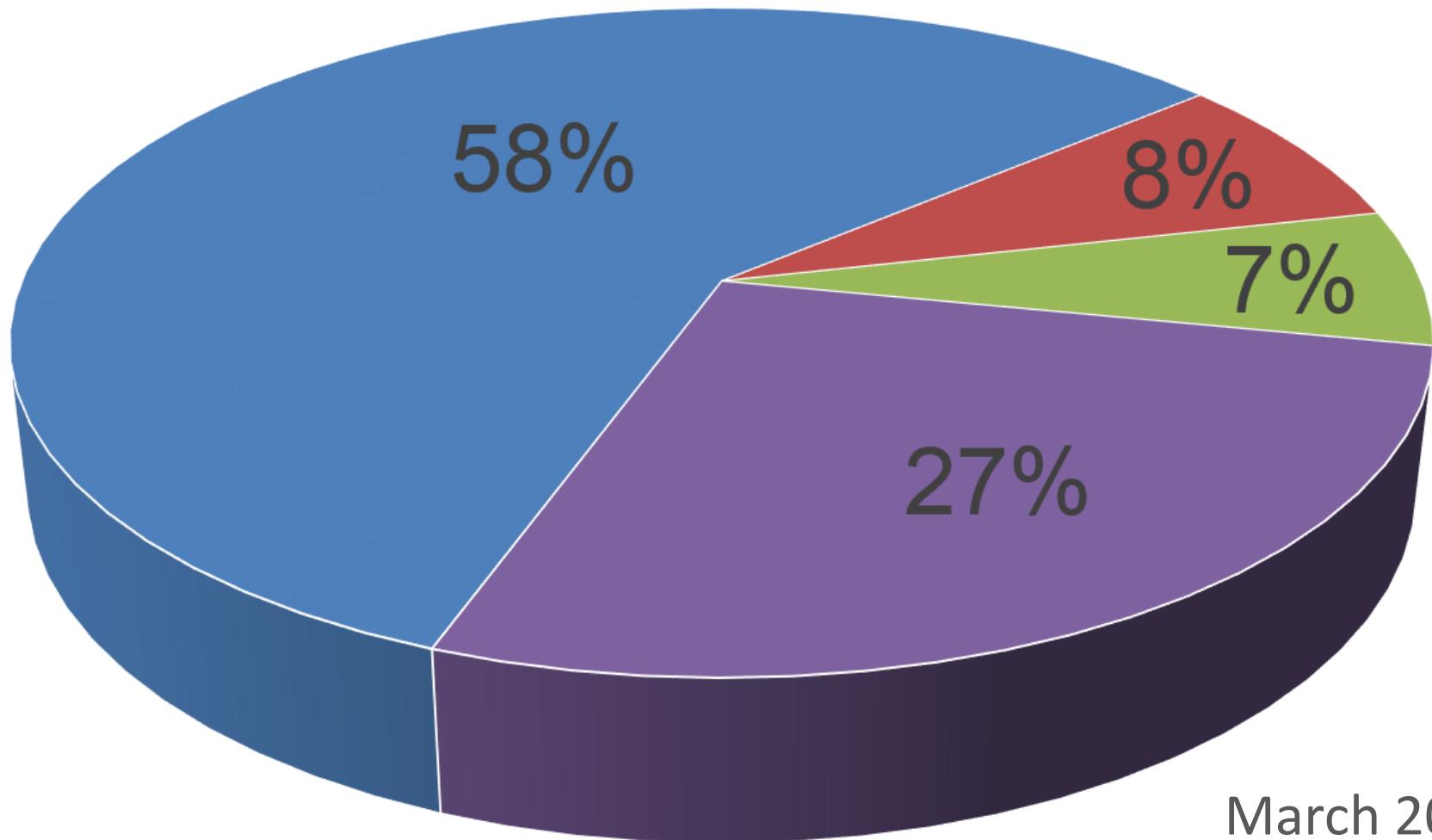


US Williston Basin Oil Production - 2016

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,121,630	63,321	4,148	1,189,098
February	1,119,574	62,710	4,072	1,186,356
March	1,111,716	61,481	3,948	1,177,145
April	1,042,025	60,001	3,846	1,105,872
May	1,046,989	59,300	3,971	1,110,260
June	1,027,230	58,473	3,859	1,089,562
July	1,029,322	56,820	3,803	1,089,945
August	981,239	55,799	3,818	1,040,857
September	971,141	55,636	3,764	1,030,541
October	1,042,790	56,003	3,654	1,102,447
November	1,034,484	56,243	3,770	1,094,497
December	942,461	52,590	3,478	998,529



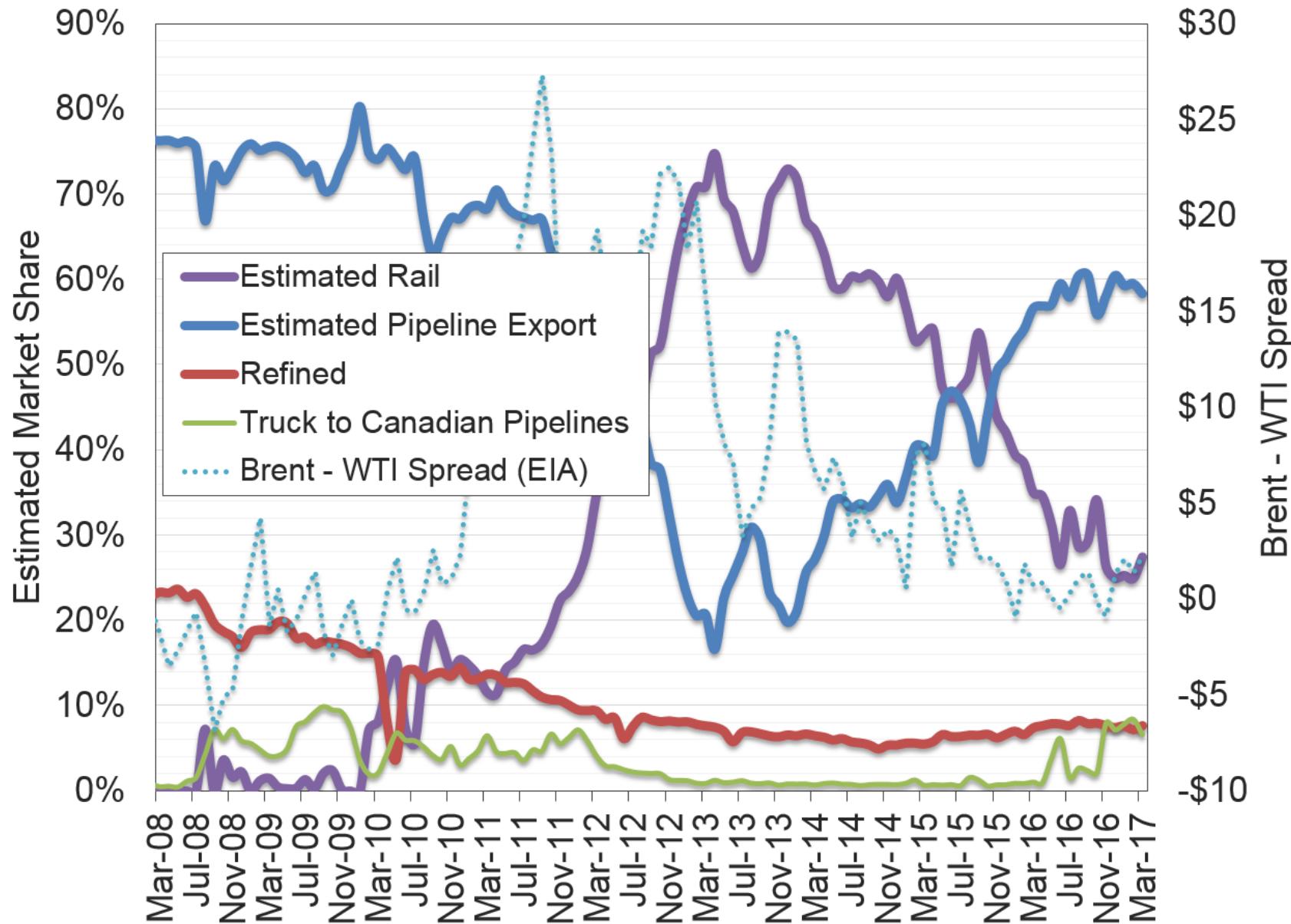
Estimated Williston Basin Oil Transportation



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



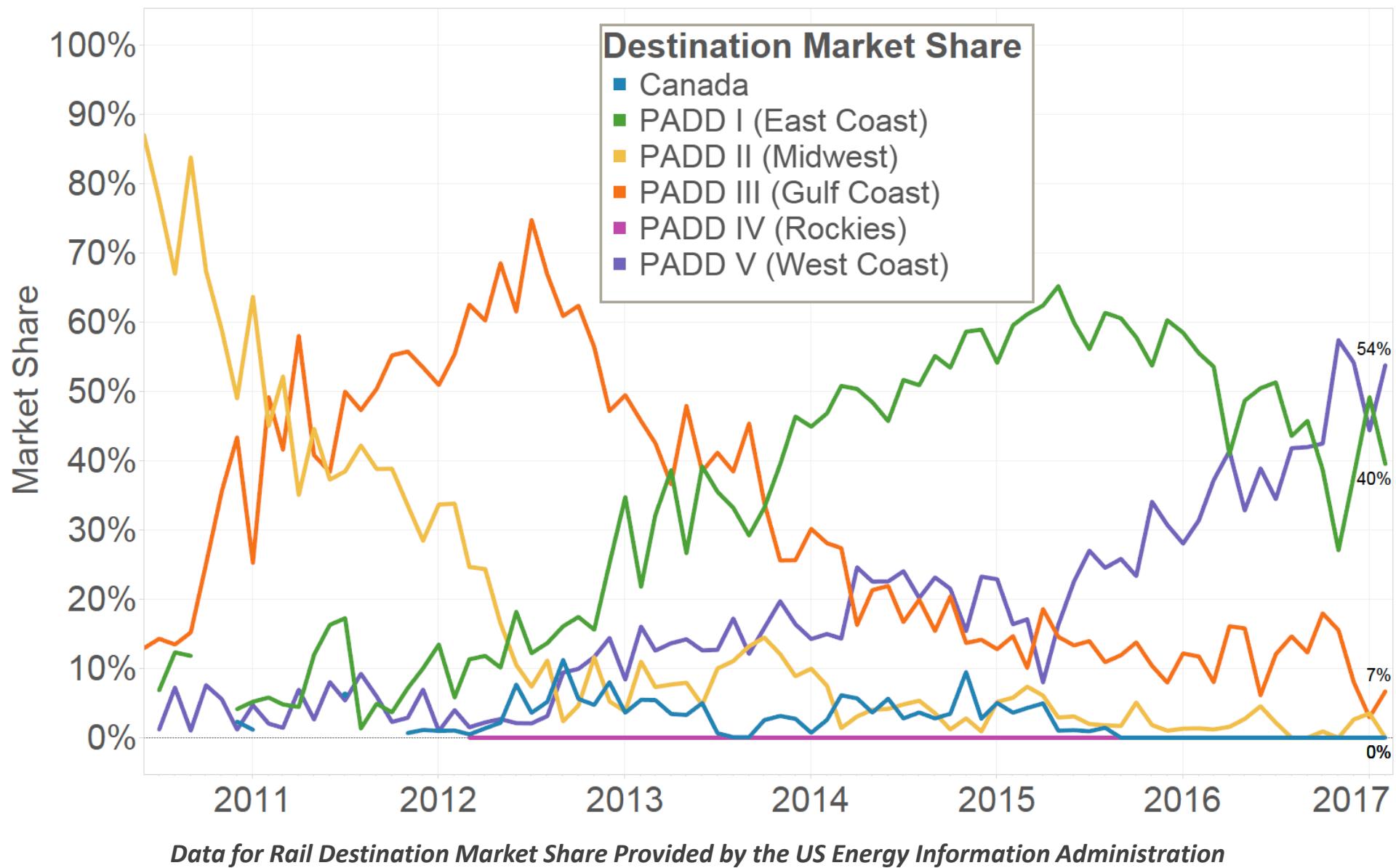
Estimated Williston Basin Oil Transportation



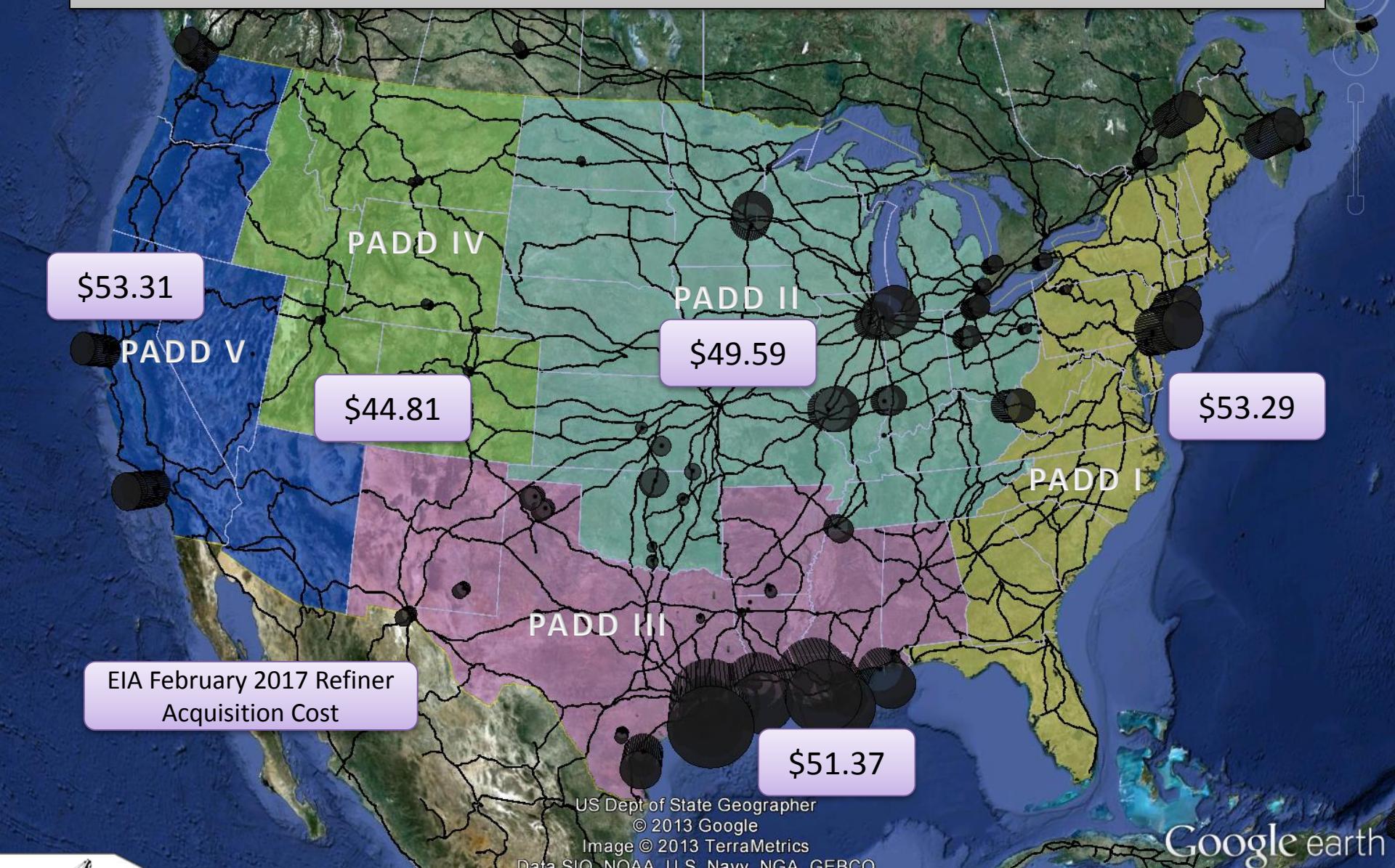
Estimated ND Rail Export Volumes



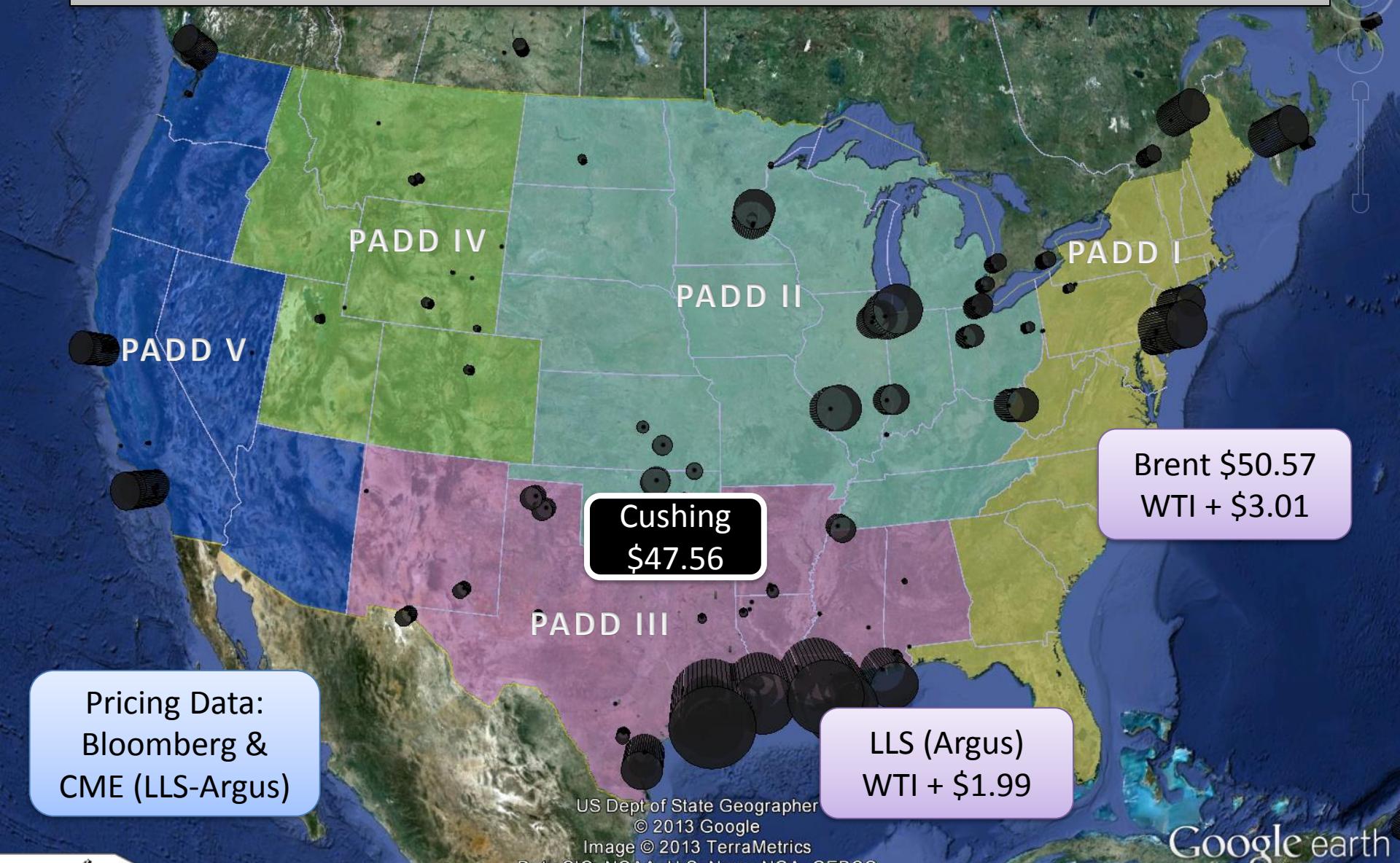
Rail Destinations Market Share (Feb. 2017)



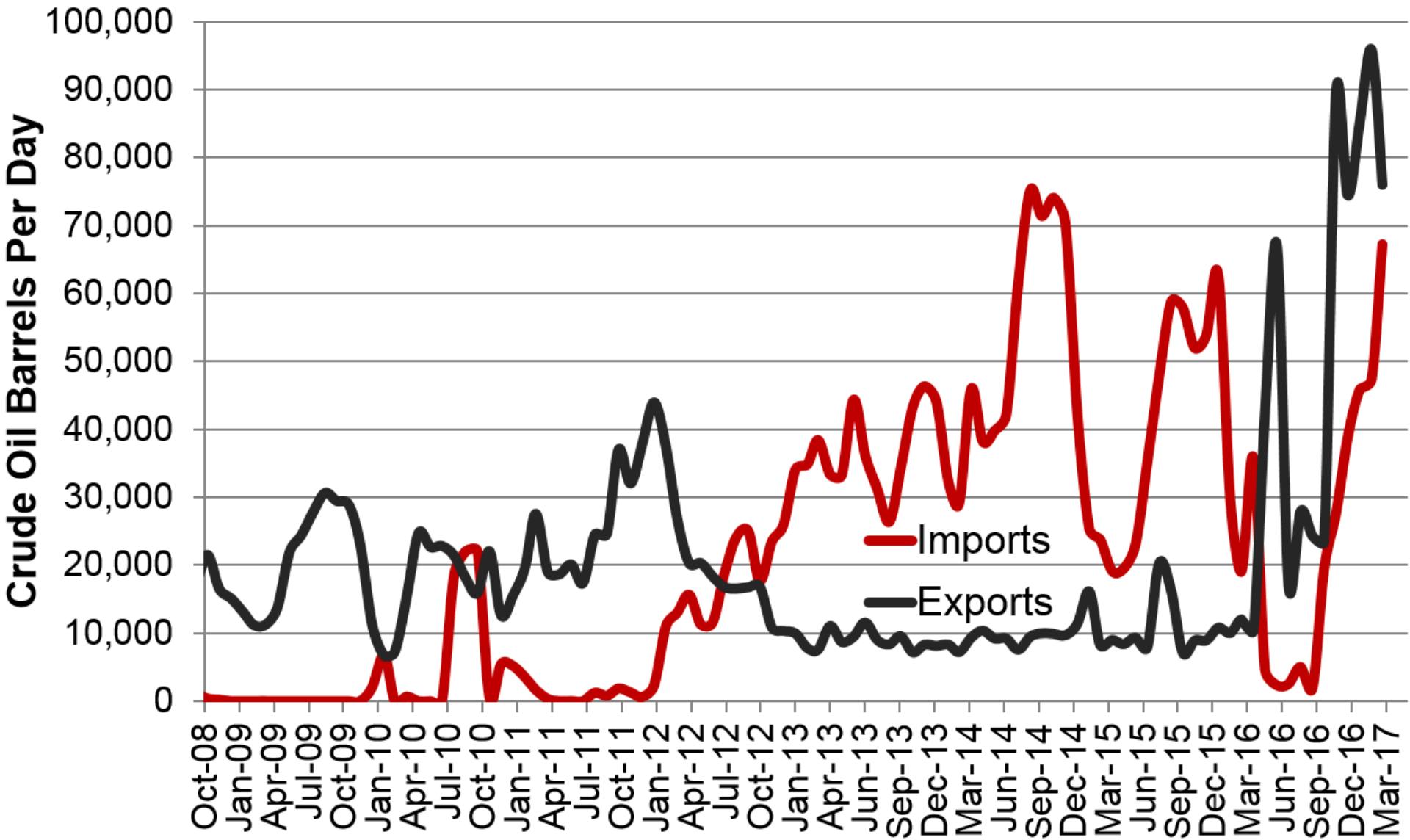
Major Rail Lines and Refineries



Crude Oil Prices – May 12, 2017



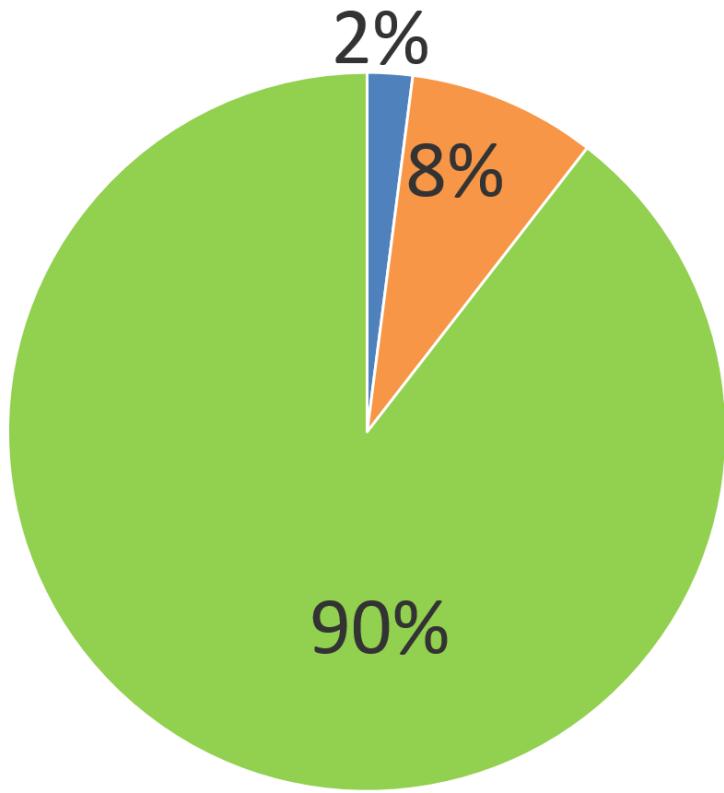
Williston Basin Truck Imports and Exports with Canada



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

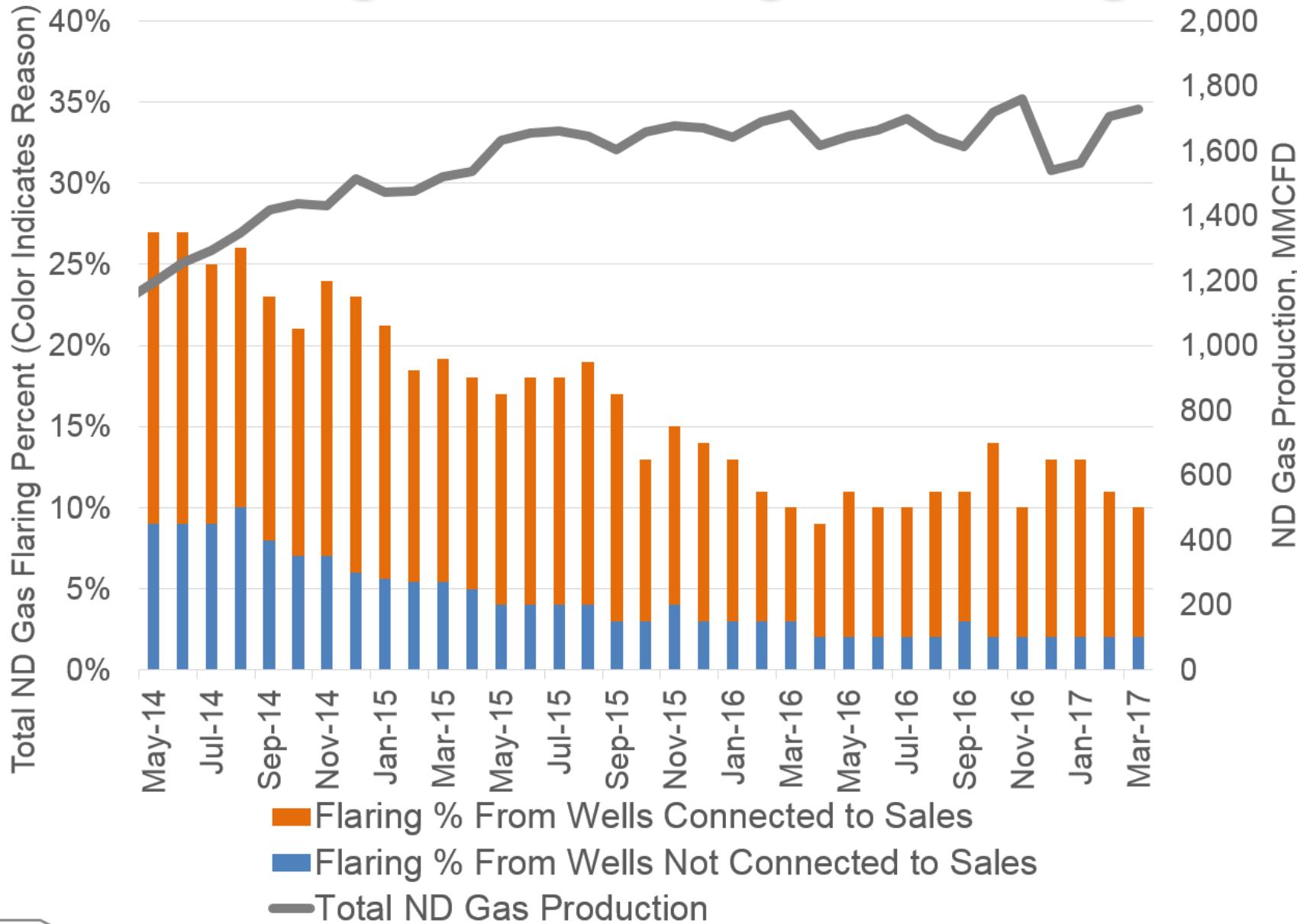
Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

Statewide

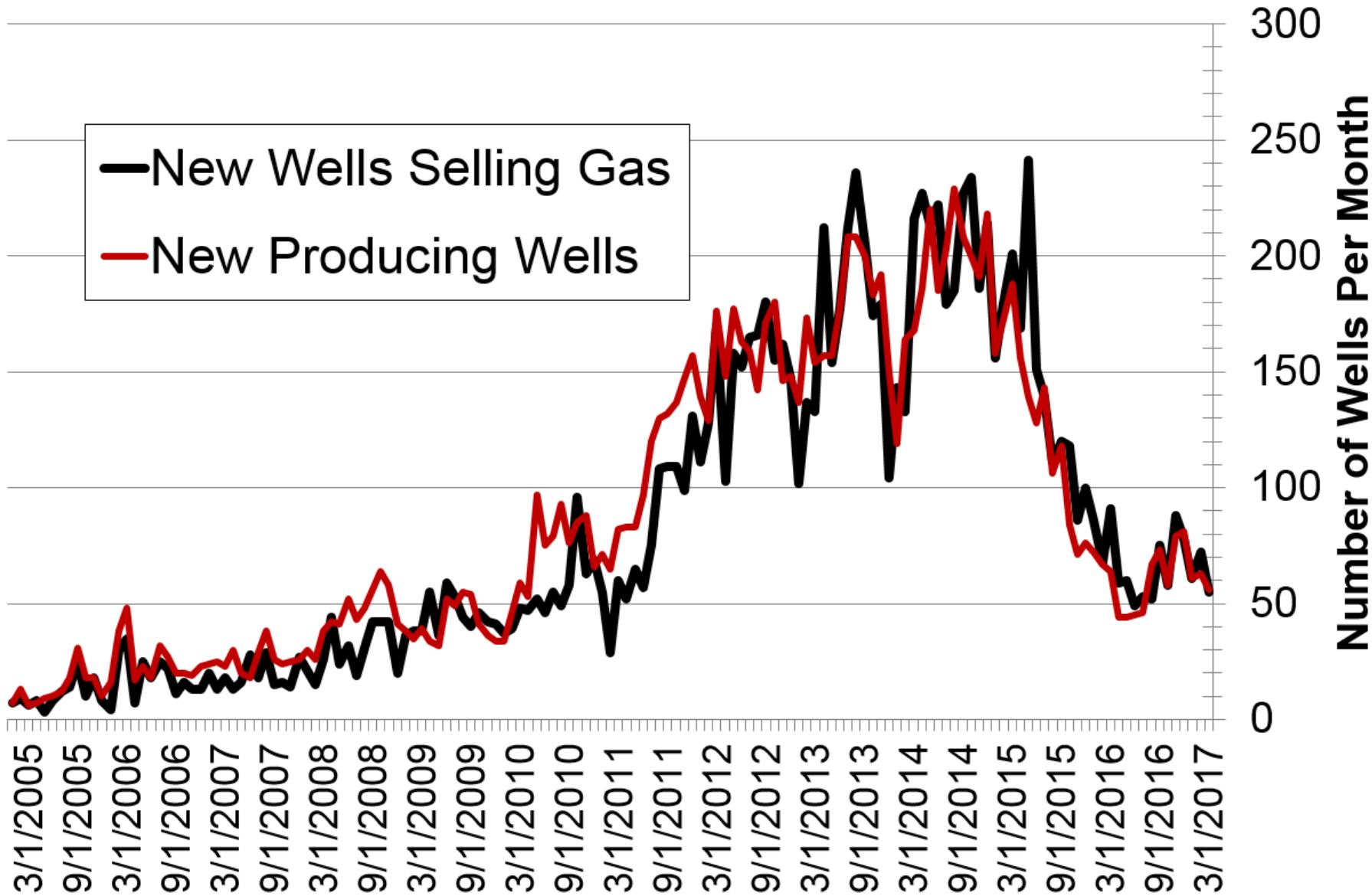
Mar 2017 Data – Non-Confidential Wells



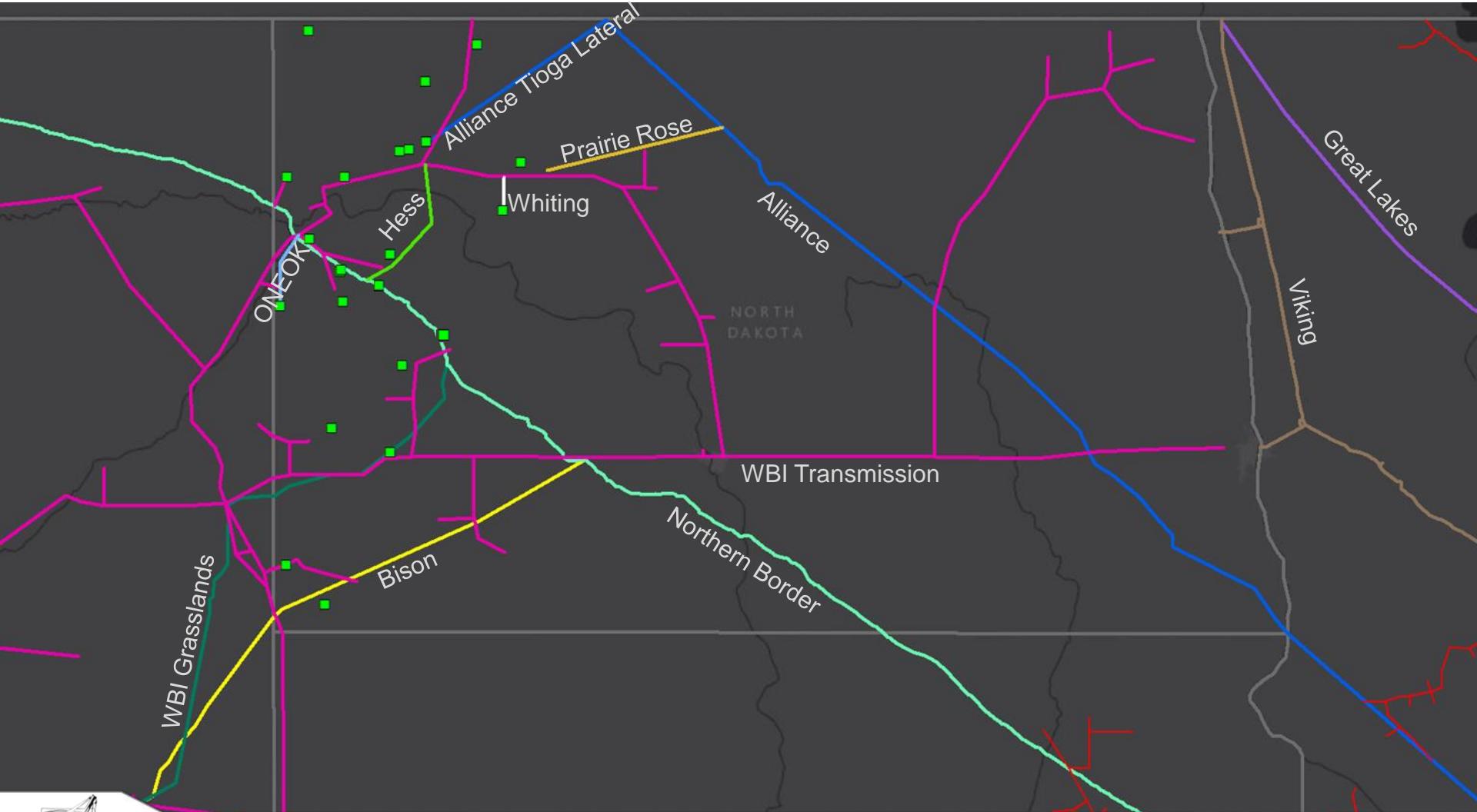
Solving the Flaring Challenge



Solving the Flaring Challenge

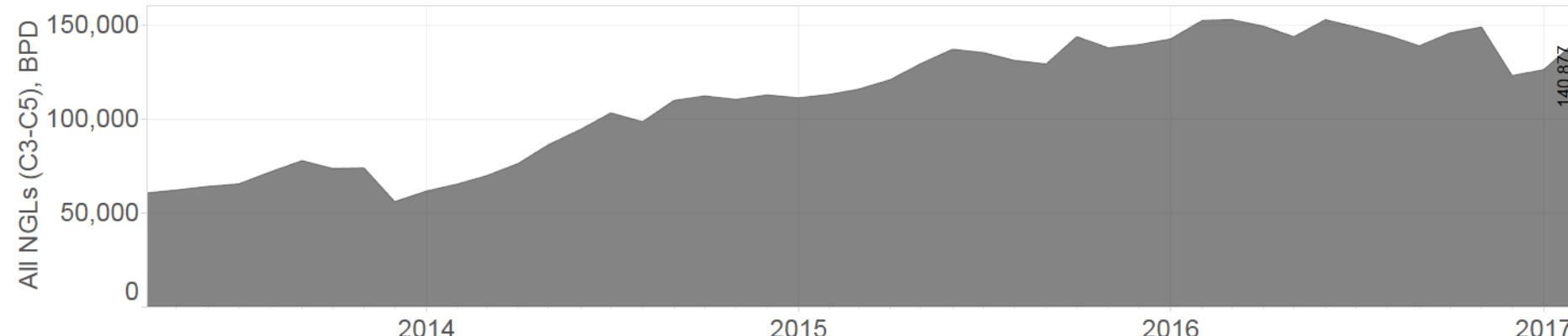


Major Gas Pipeline and Processing Infrastructure

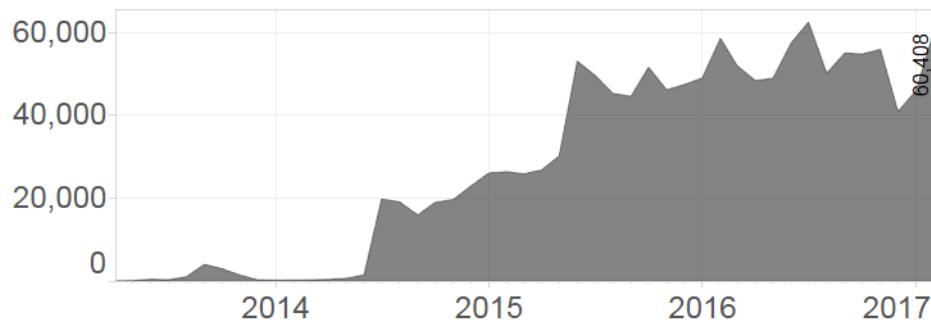


Plant Natural Gas Liquids - (Feb 2017)

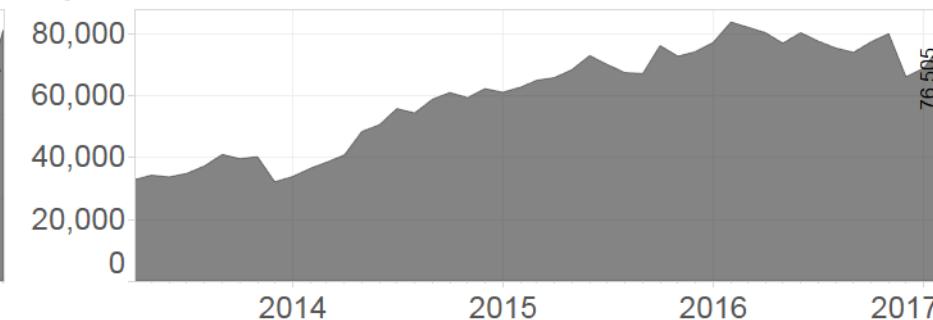
All NGLs, BPD



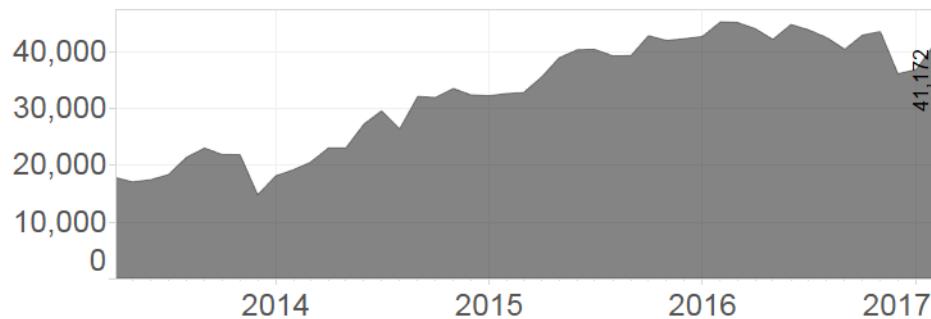
Ethane, BPD



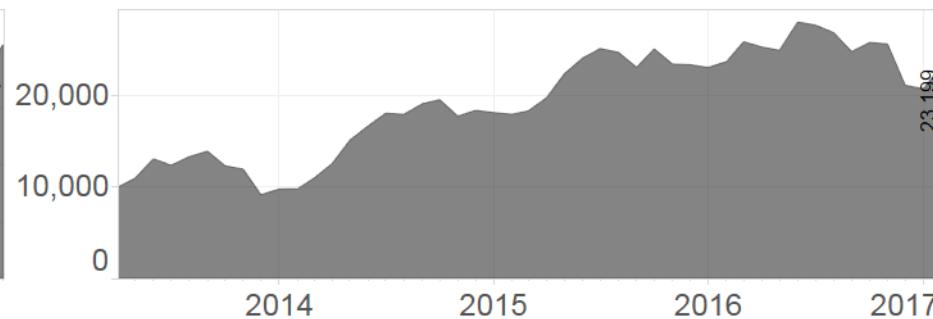
Propane, BPD



Butane, BPD



Natural Gasoline, BPD



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



JJ Kringstad - North Dakota Pipeline Authority

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