



August 2017 Monthly Update

North Dakota Pipeline Authority

Justin J. Kringstad

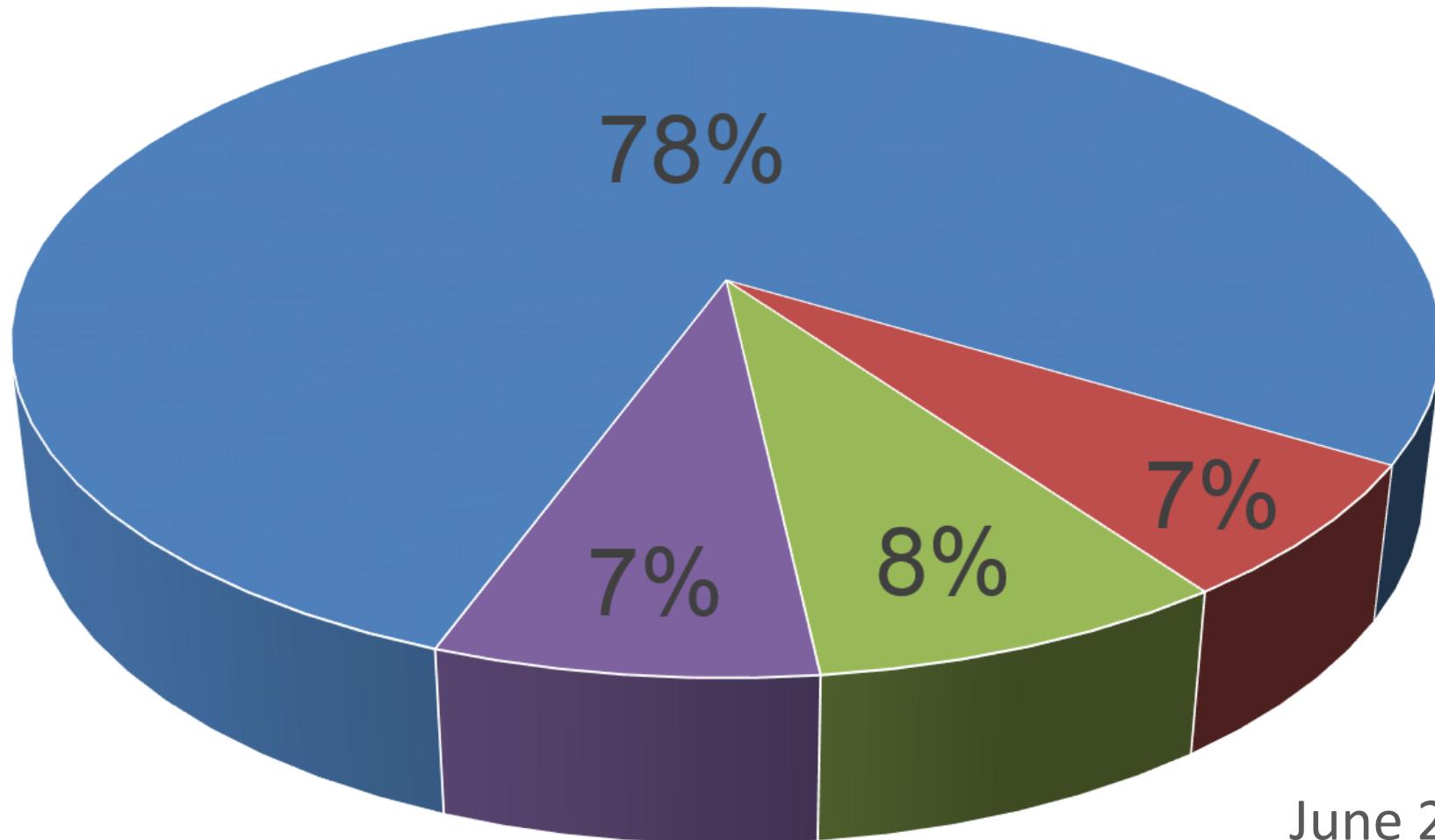
August 11, 2017

US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	983,740	52,726	3,553	1,040,019
February	1,033,941	53,959	3,718	1,091,618
March	1,025,690	52,834	3,705	1,082,229
April	1,050,476	52,224	3,773	1,106,473
May	1,040,995	51,625	3,420	1,096,040
June	1,032,495			
July				
August				
September				
October				
November				
December				



Estimated Williston Basin Oil Transportation

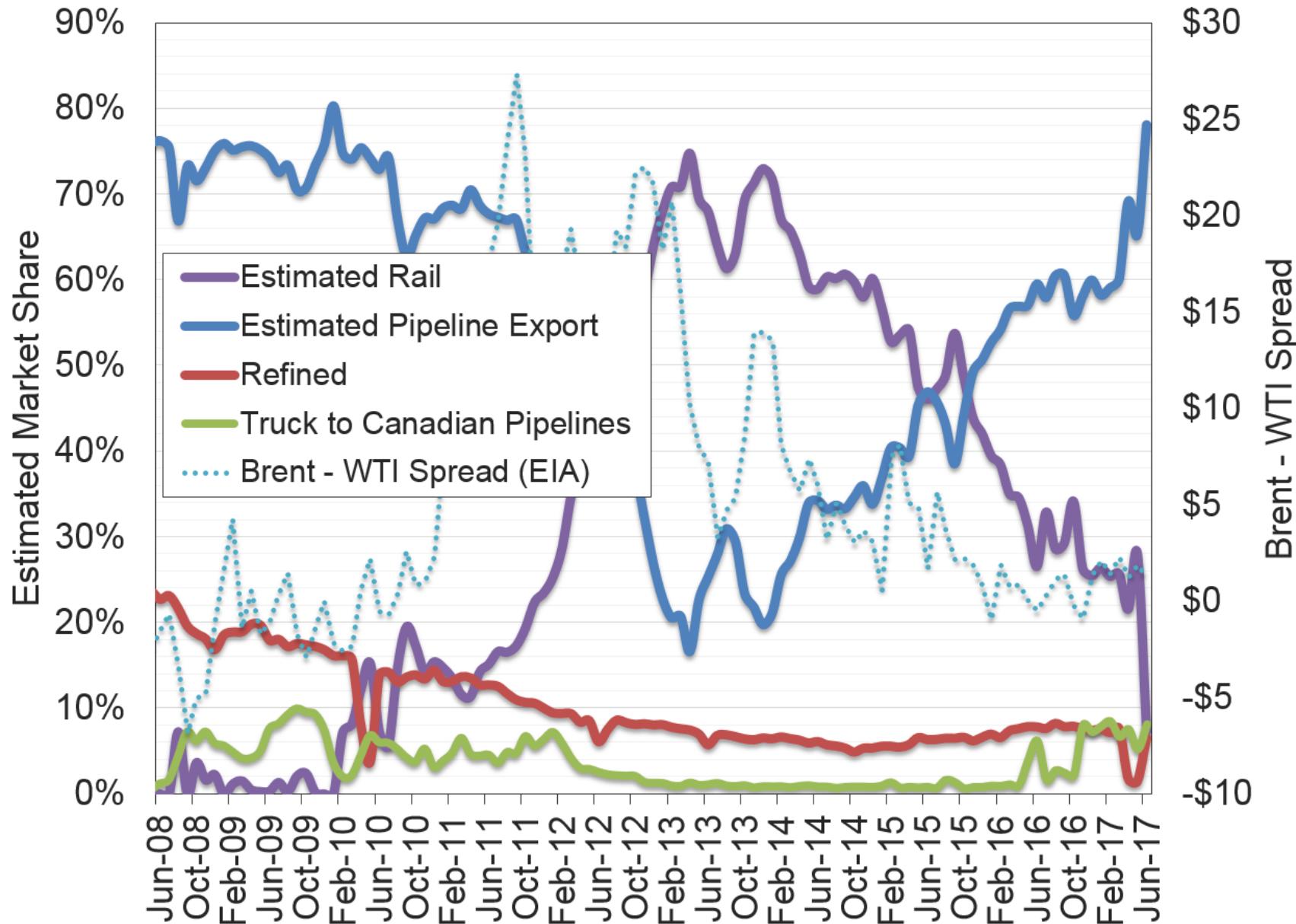


June 2017

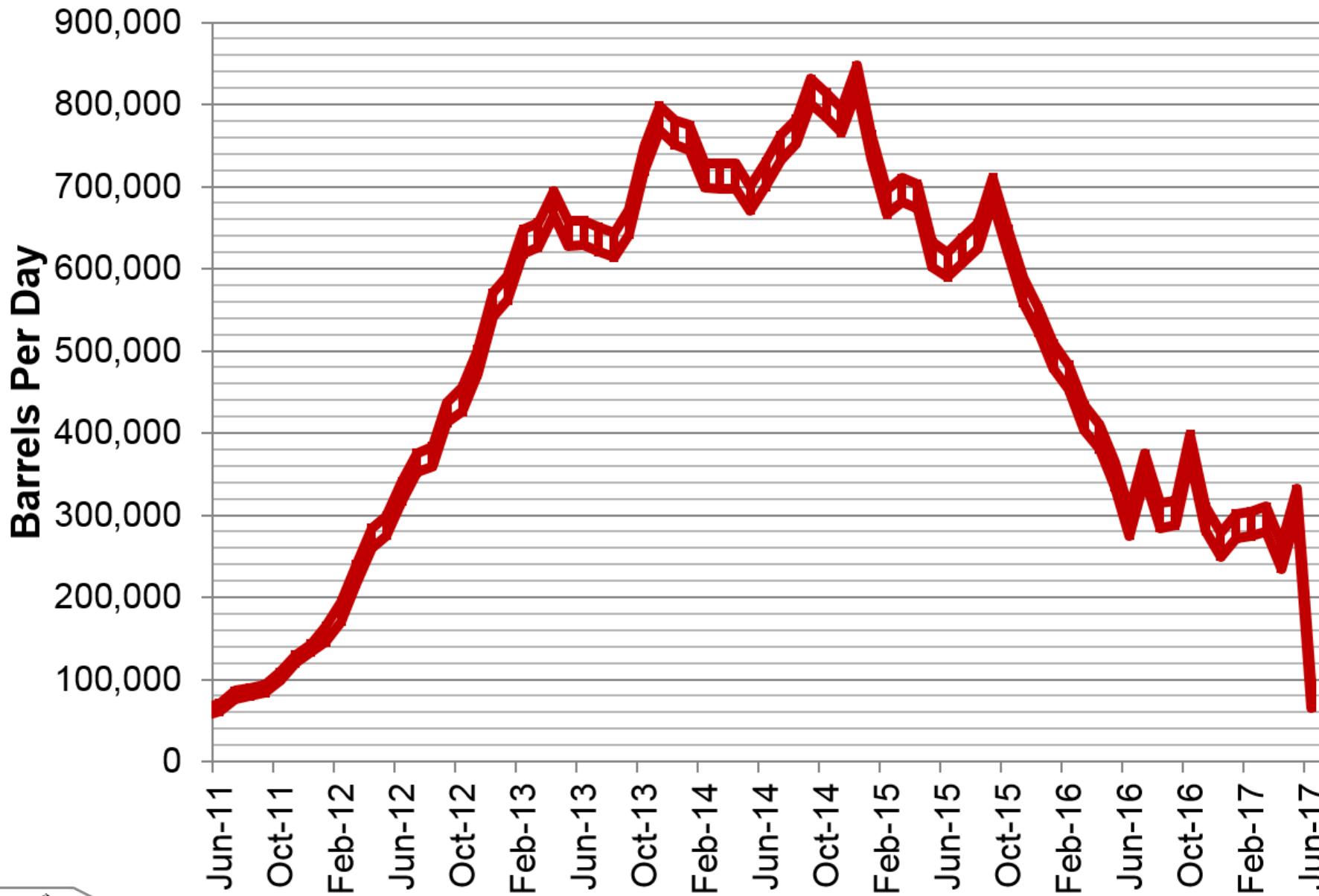
- Pipeline Export
- Truck to Canadian Pipelines
- Refined
- Estimated Rail



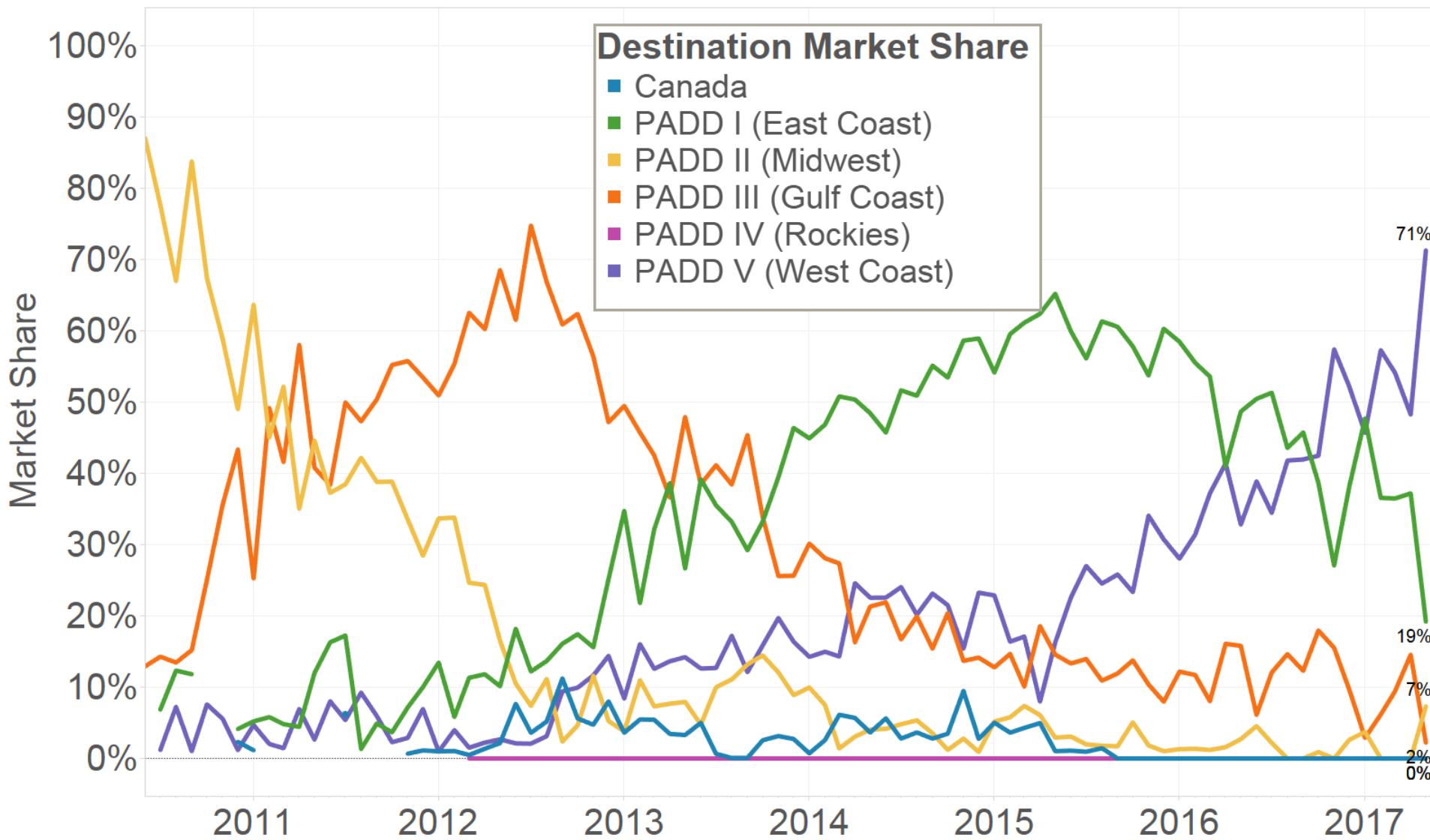
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



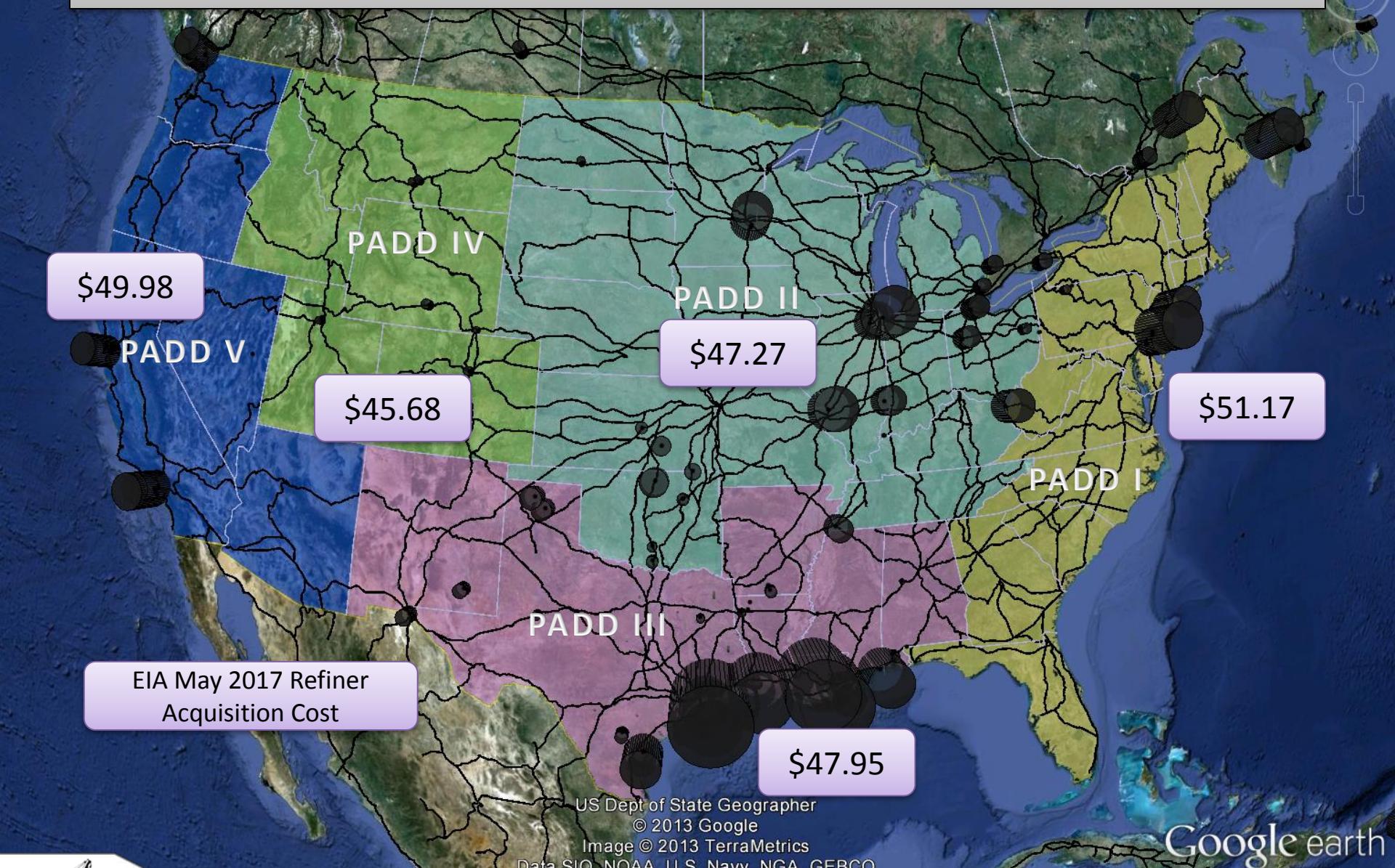
Rail Destinations Market Share (May 2017)



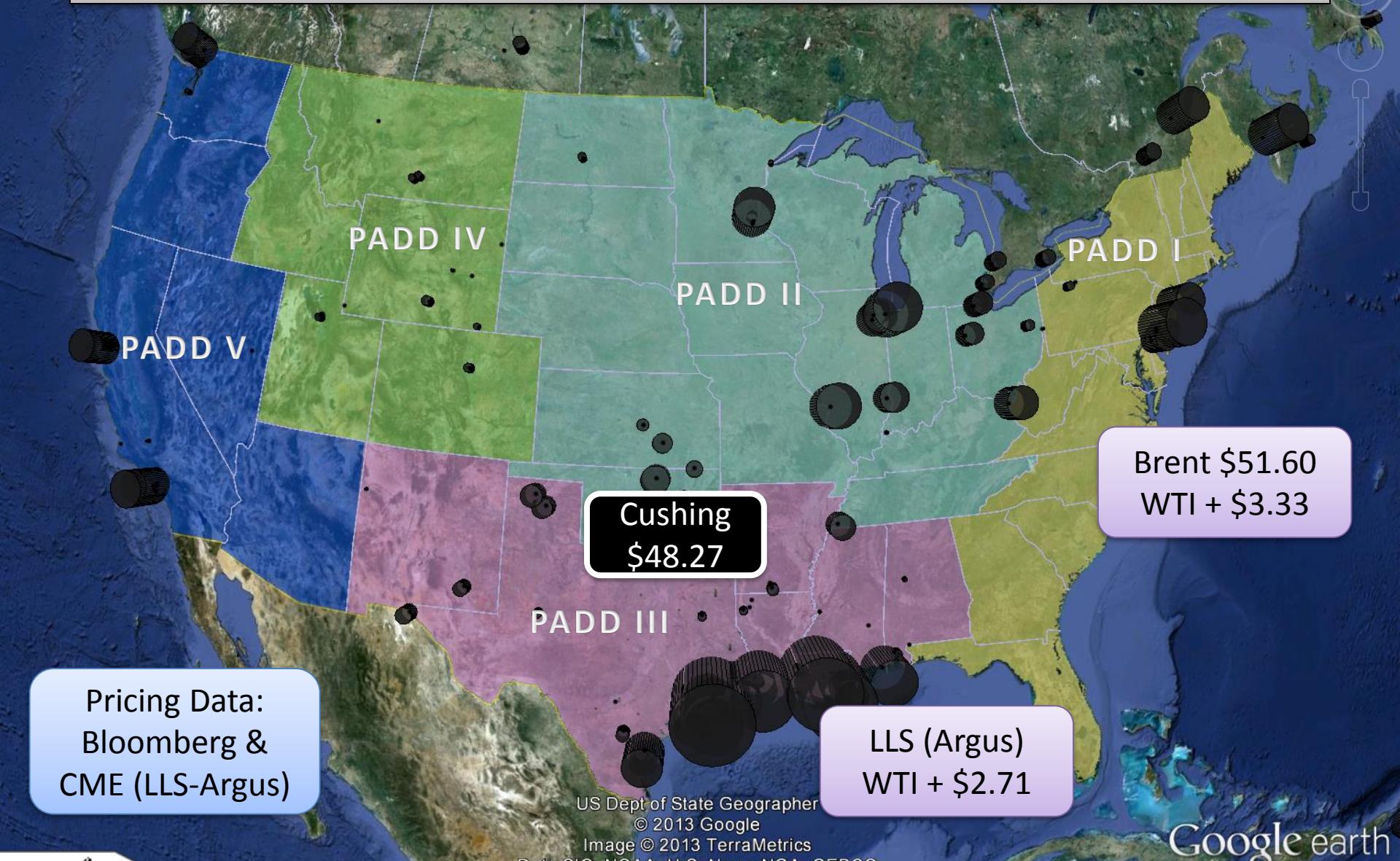
Data for Rail Destination Market Share Provided by the US Energy Information Administration



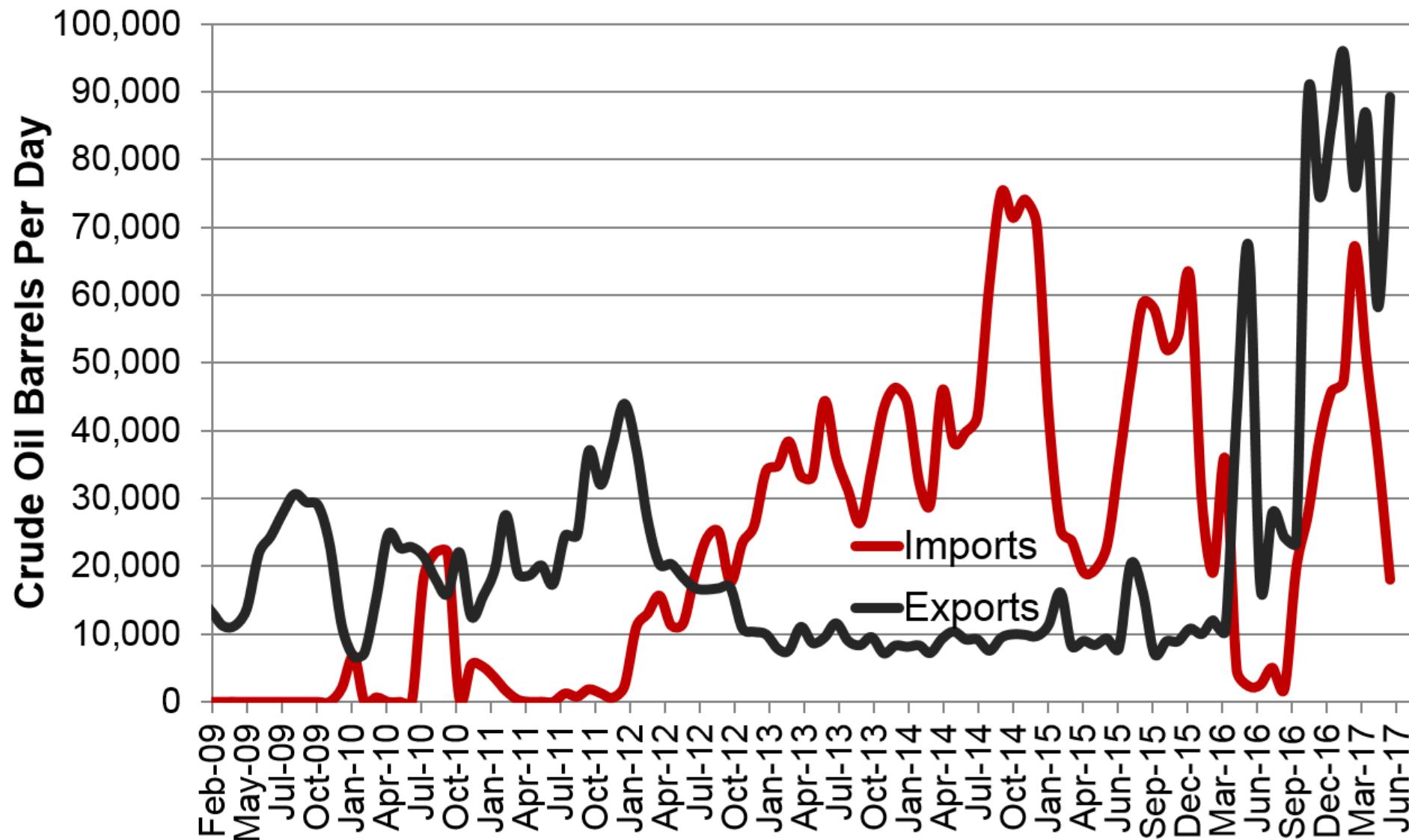
Major Rail Lines and Refineries



Crude Oil Prices – August 11, 2017



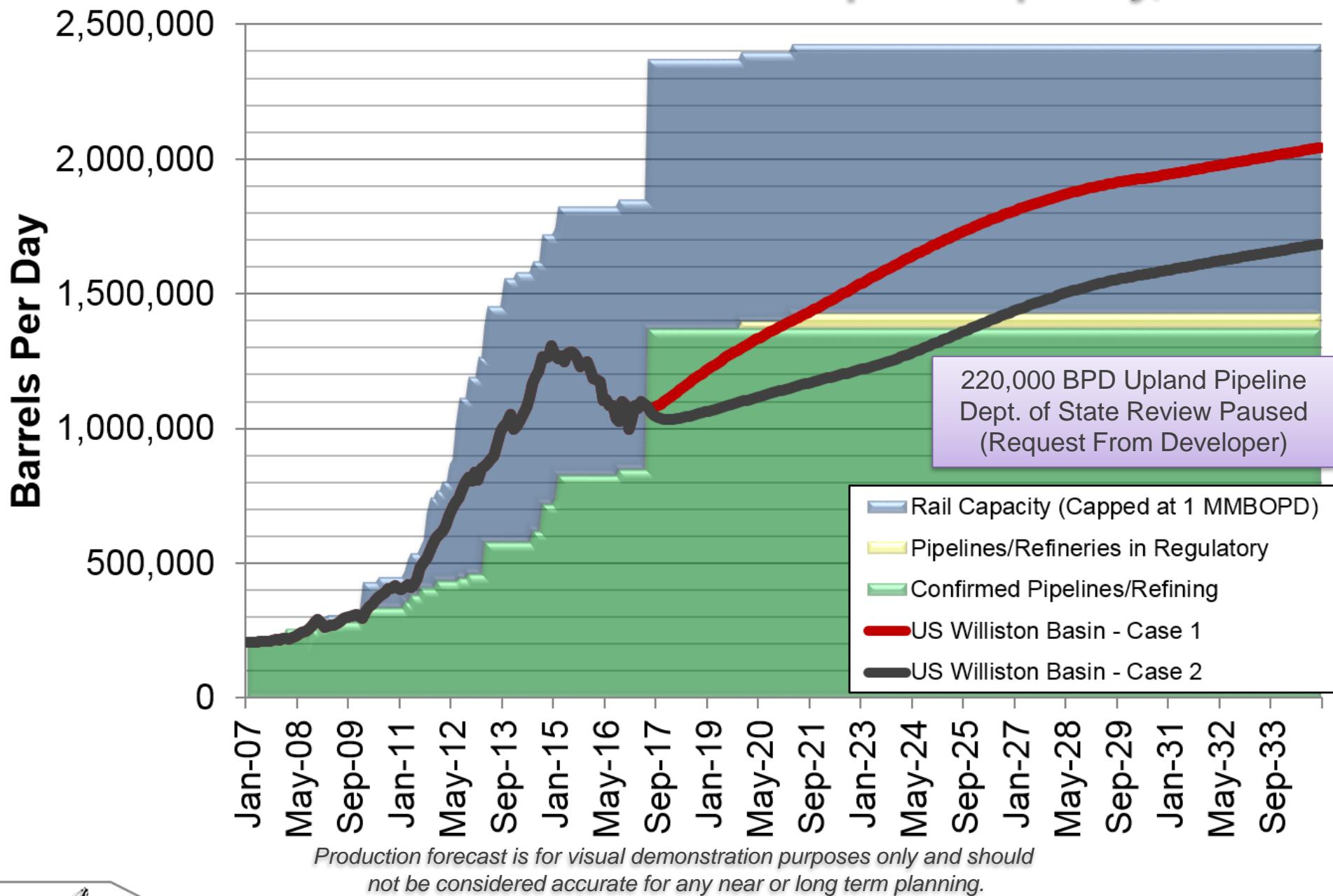
Williston Basin Truck Imports and Exports with Canada



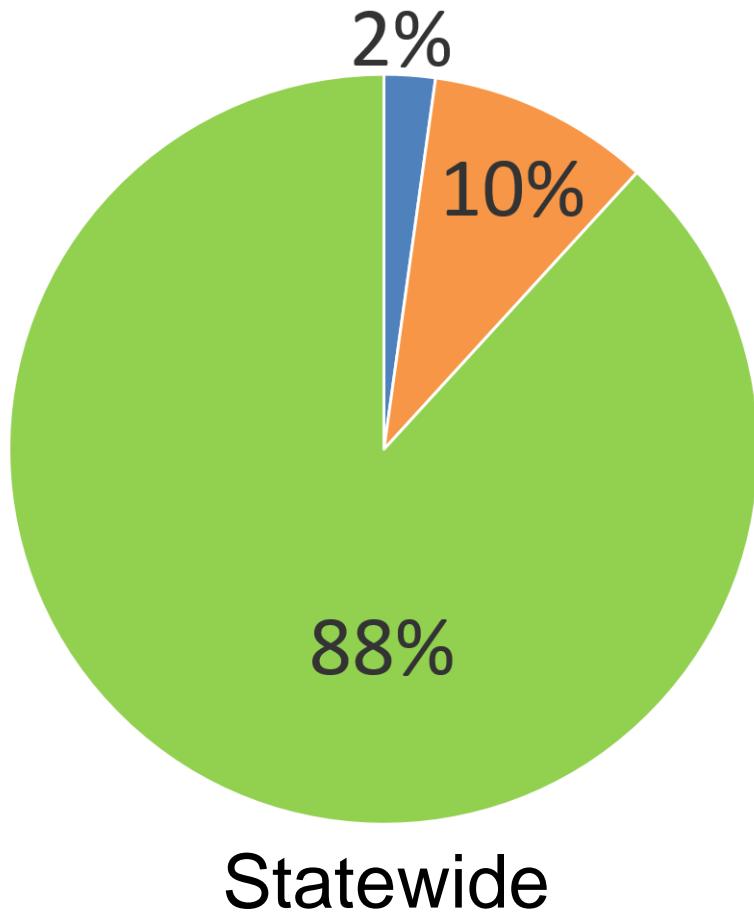
Data for truck imports/exports chart is provided by the US International Trade Commission



Williston Basin Oil Production & Export Capacity, BOPD



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.

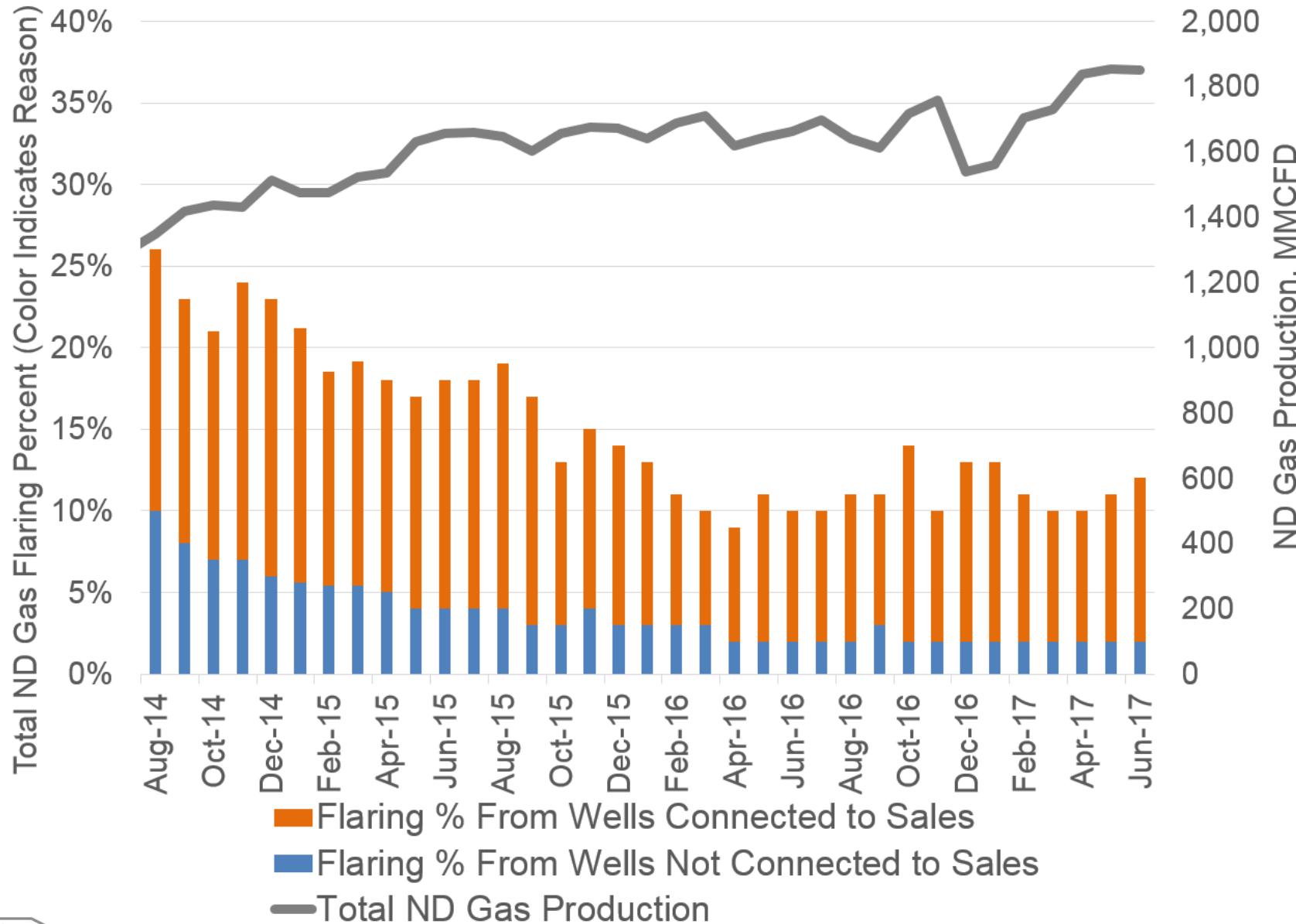
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

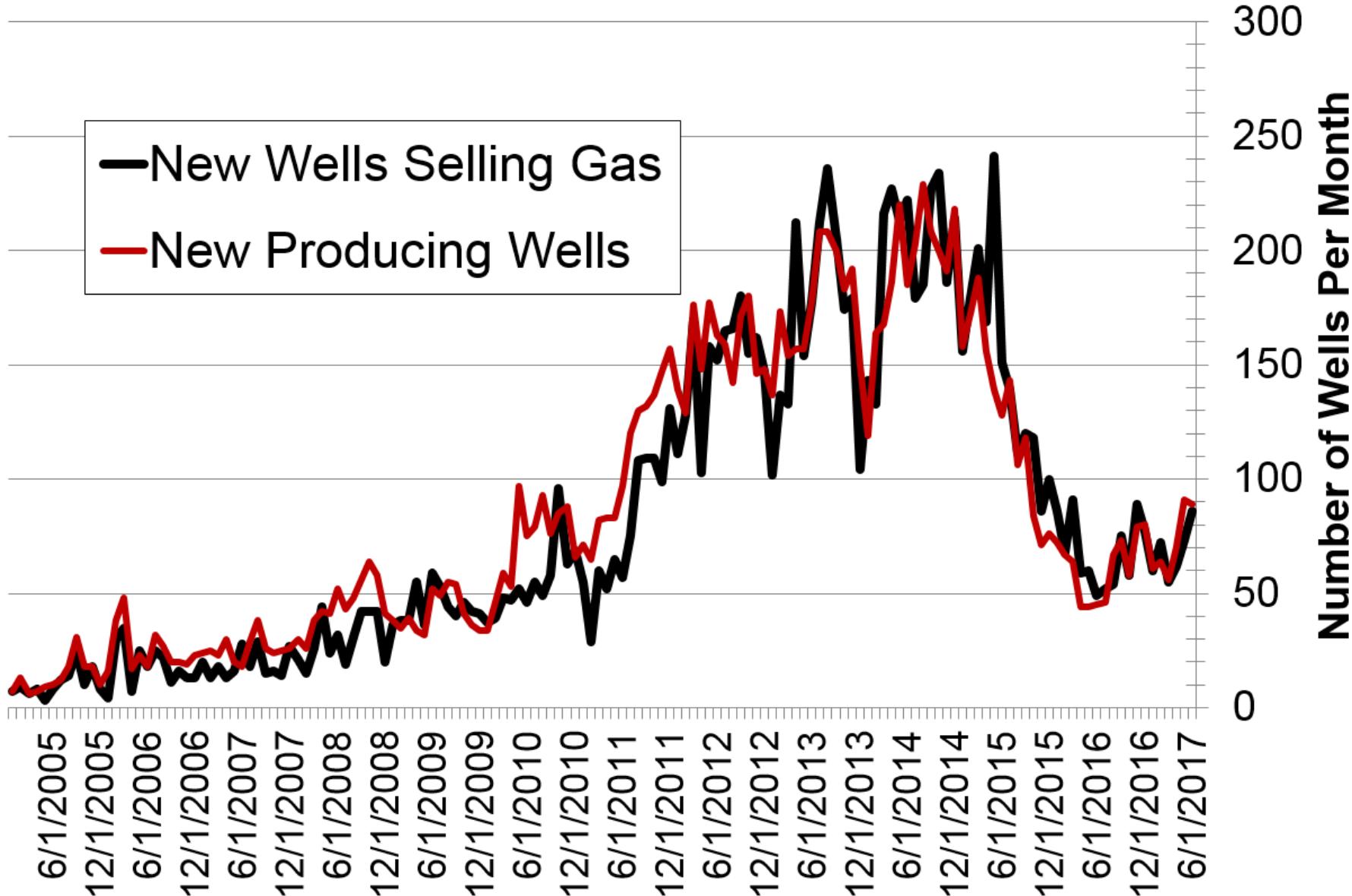
June 2017 Data – Non-Confidential Wells



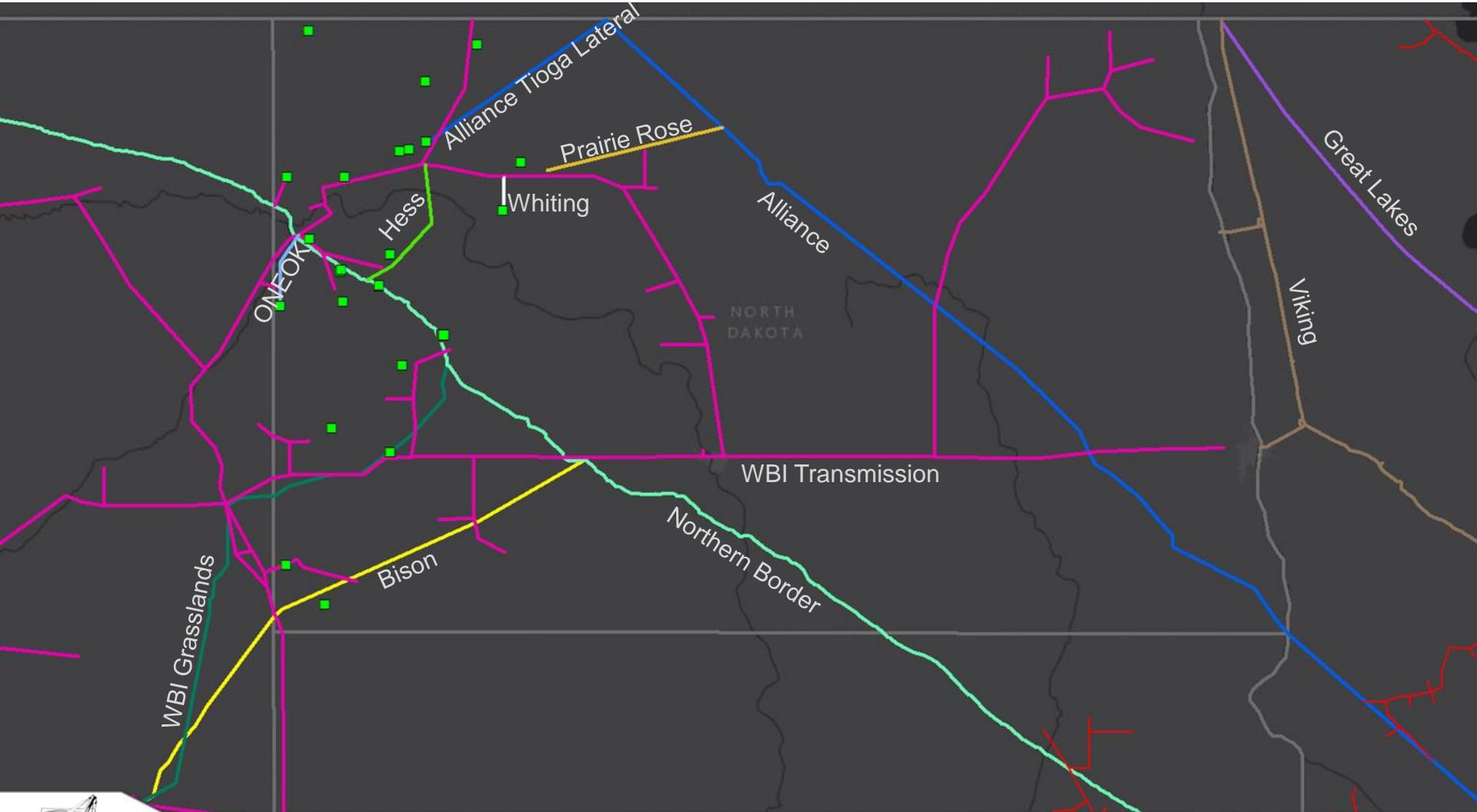
Solving the Flaring Challenge



Solving the Flaring Challenge

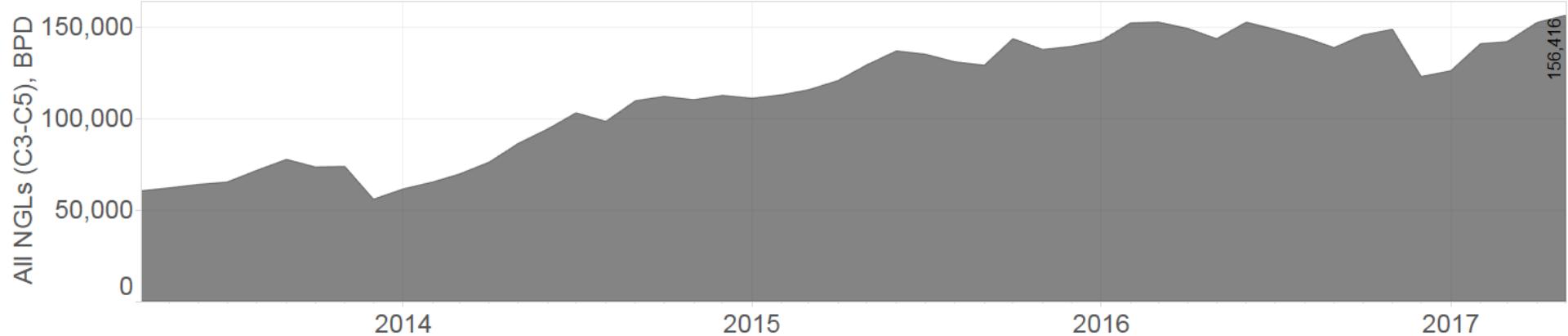


Major Gas Pipeline and Processing Infrastructure

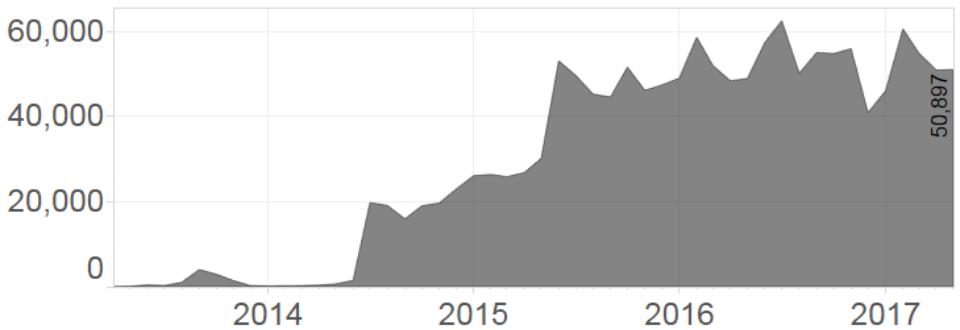


Plant Natural Gas Liquids - (May 2017)

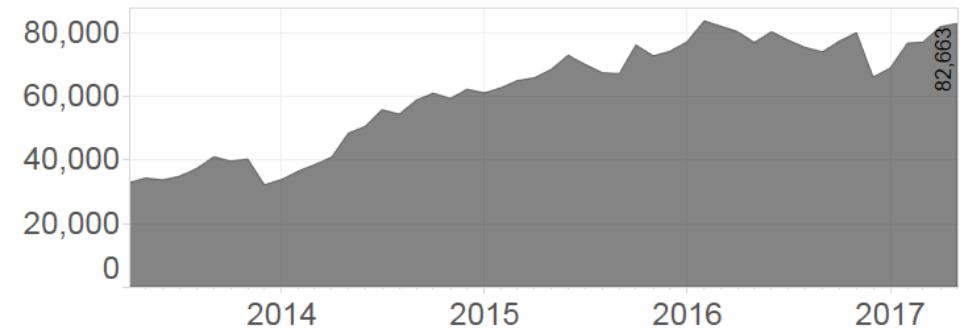
All NGLs, BPD



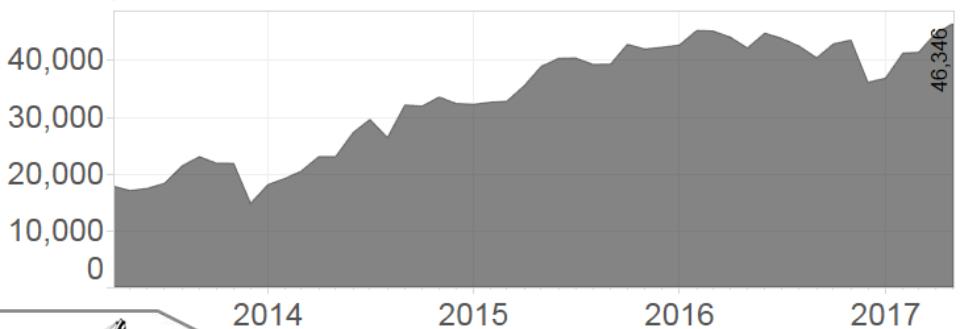
Ethane, BPD



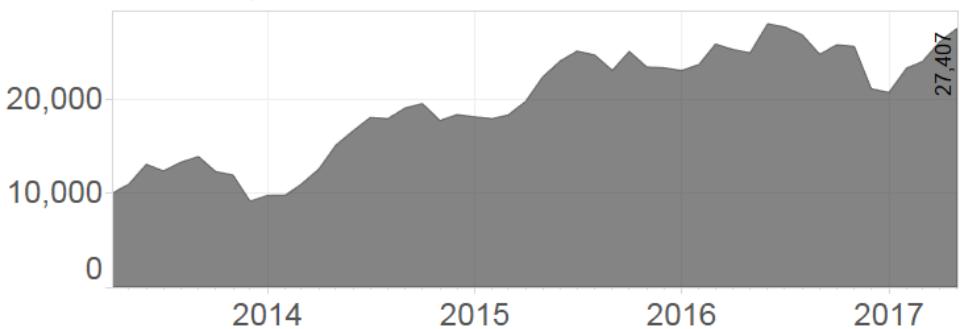
Propane, BPD



Butane, BPD



Natural Gasoline, BPD



Contact Information

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



JJ Kringstad - North Dakota Pipeline Authority

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