



September 2017 Monthly Update

North Dakota Pipeline Authority

Justin J. Kringstad

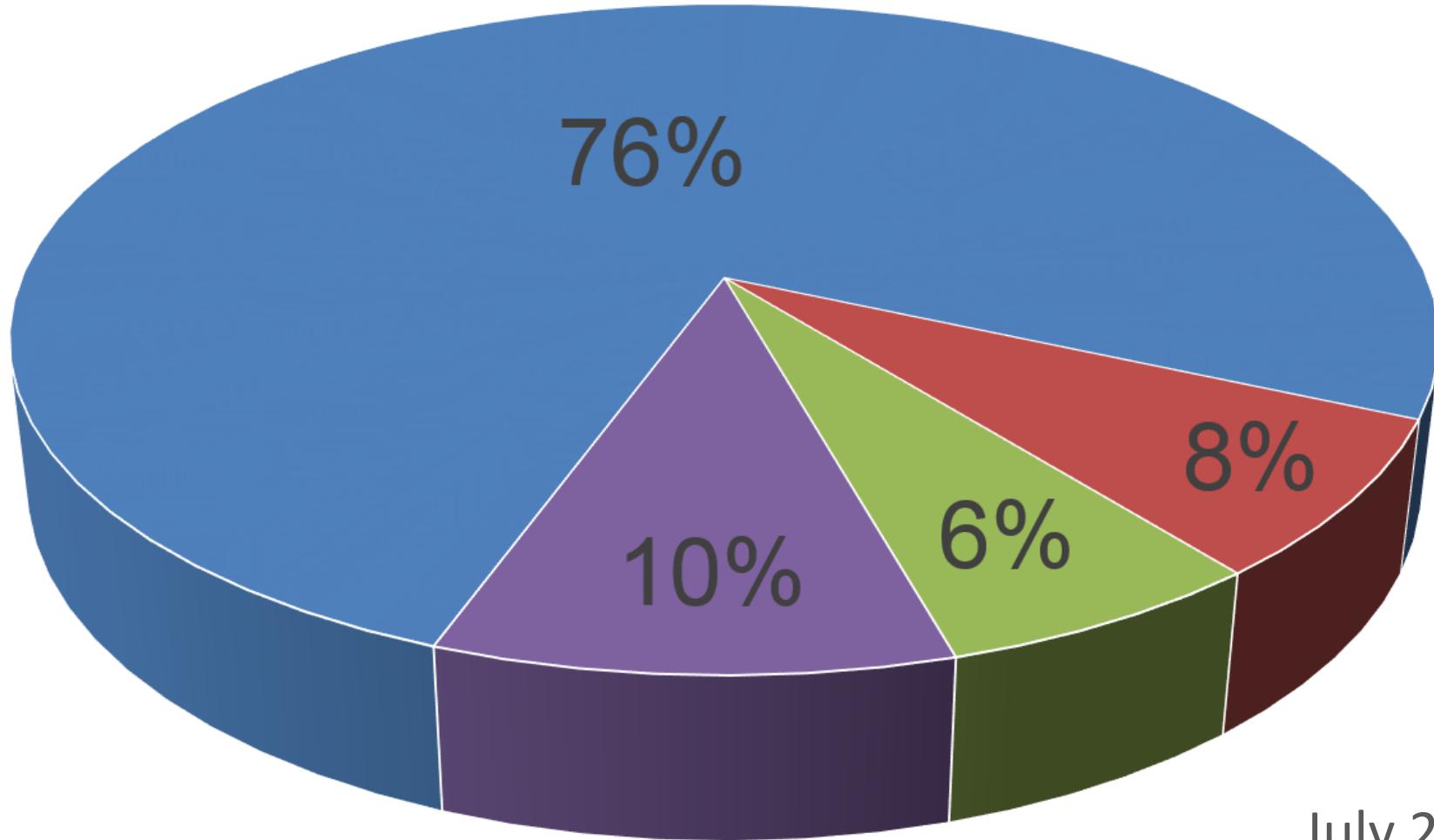
September 15, 2017

US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	983,791	52,726	3,553	1,040,070
February	1,034,036	53,959	3,718	1,091,713
March	1,025,760	52,834	3,705	1,082,299
April	1,050,679	52,289	3,773	1,106,741
May	1,040,995	52,726	3,422	1,097,143
June	1,032,873	52,353	3,594	1,088,820
July	1,047,526			
August				
September				
October				
November				
December				



Estimated Williston Basin Oil Transportation

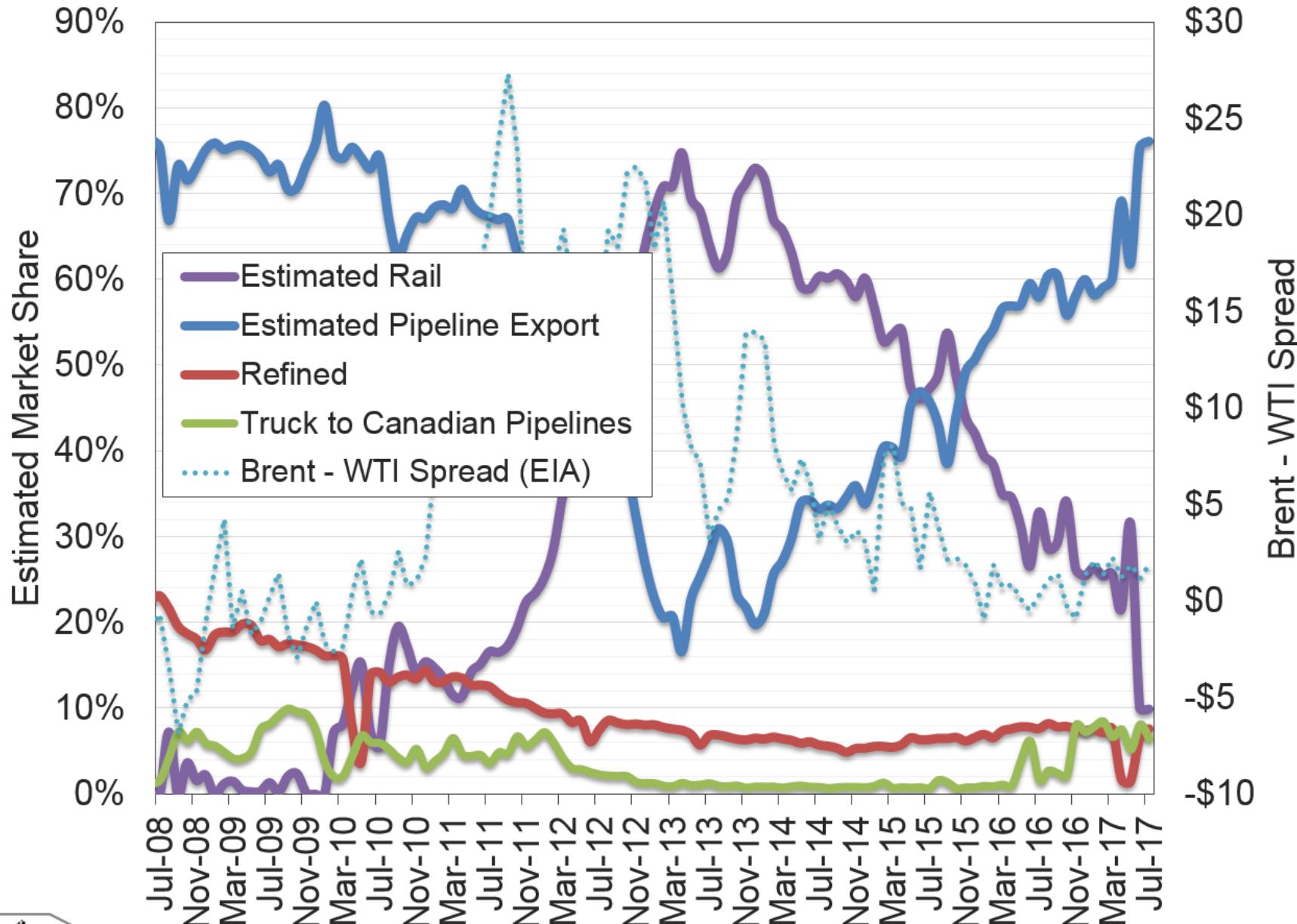


July 2017

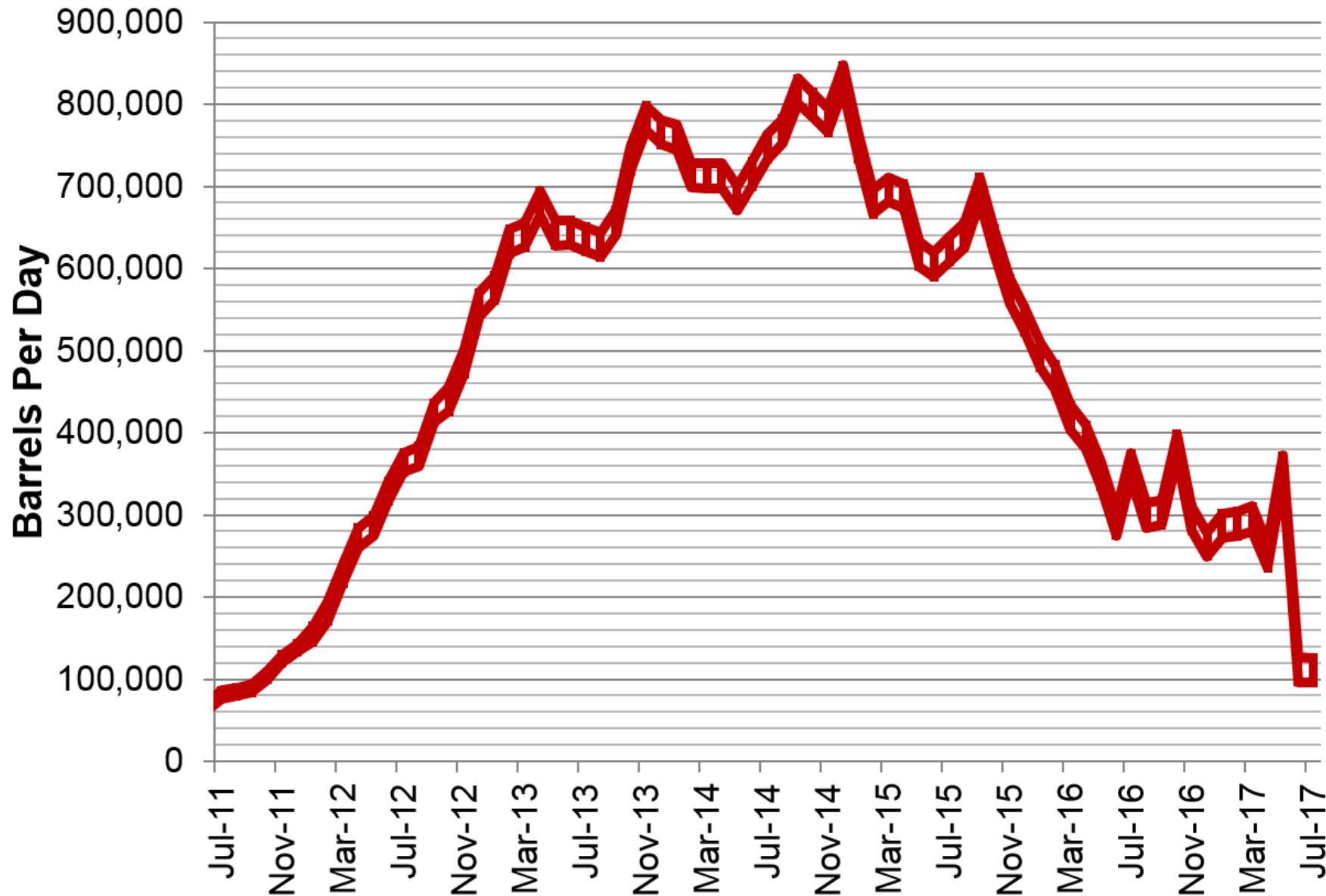
- Pipeline Export
- Truck to Canadian Pipelines
- Refined
- Estimated Rail



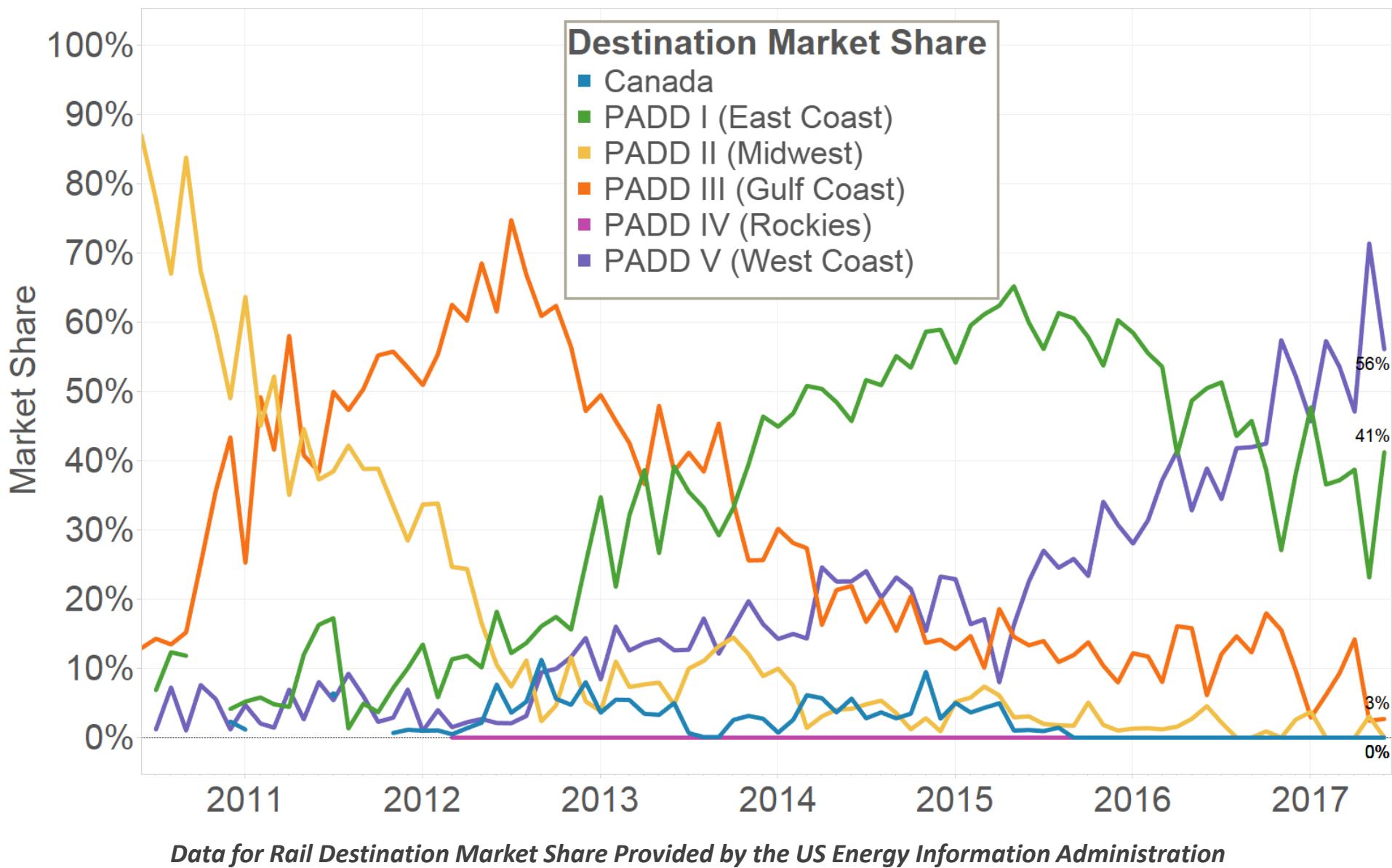
Estimated Williston Basin Oil Transportation



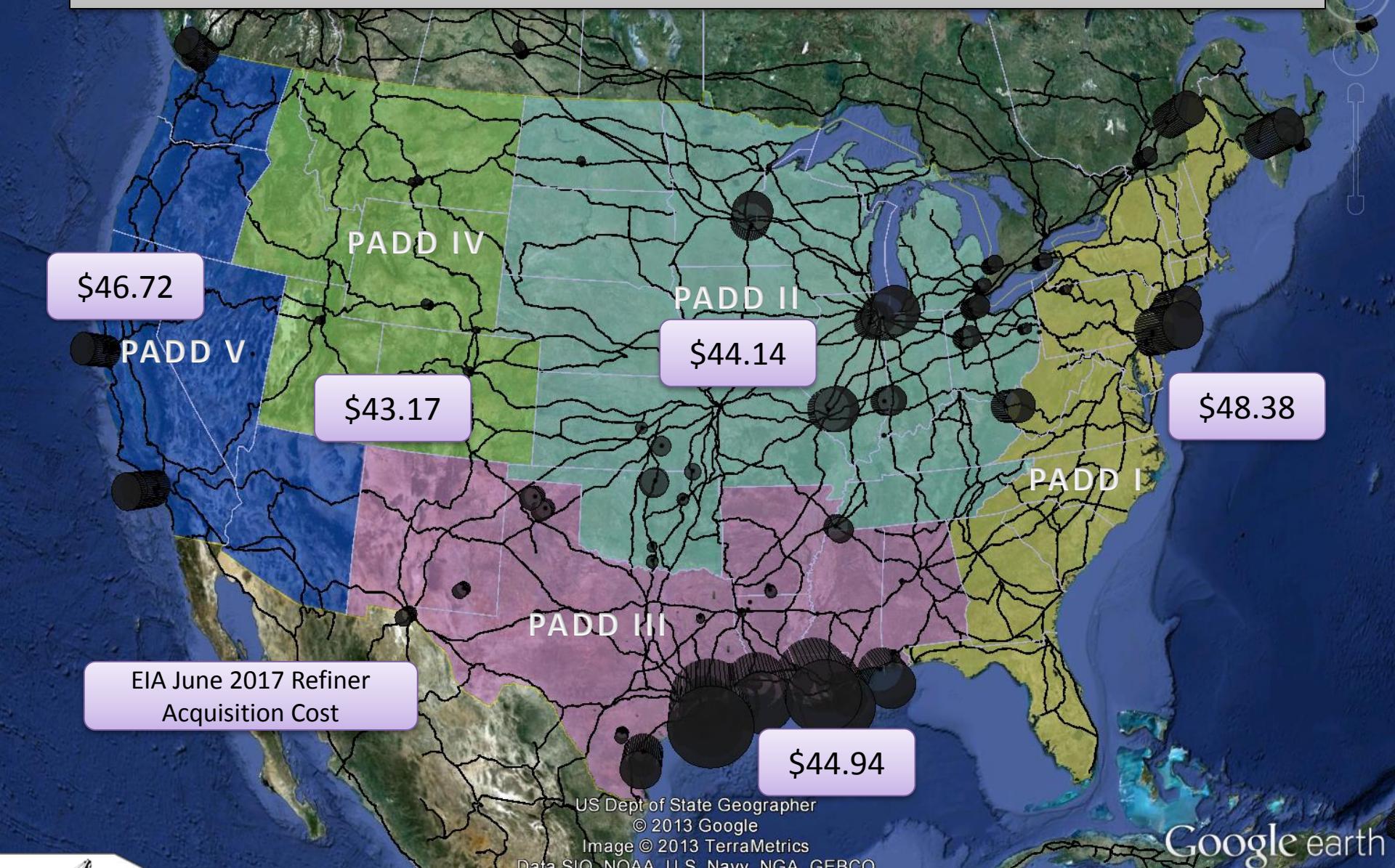
Estimated ND Rail Export Volumes



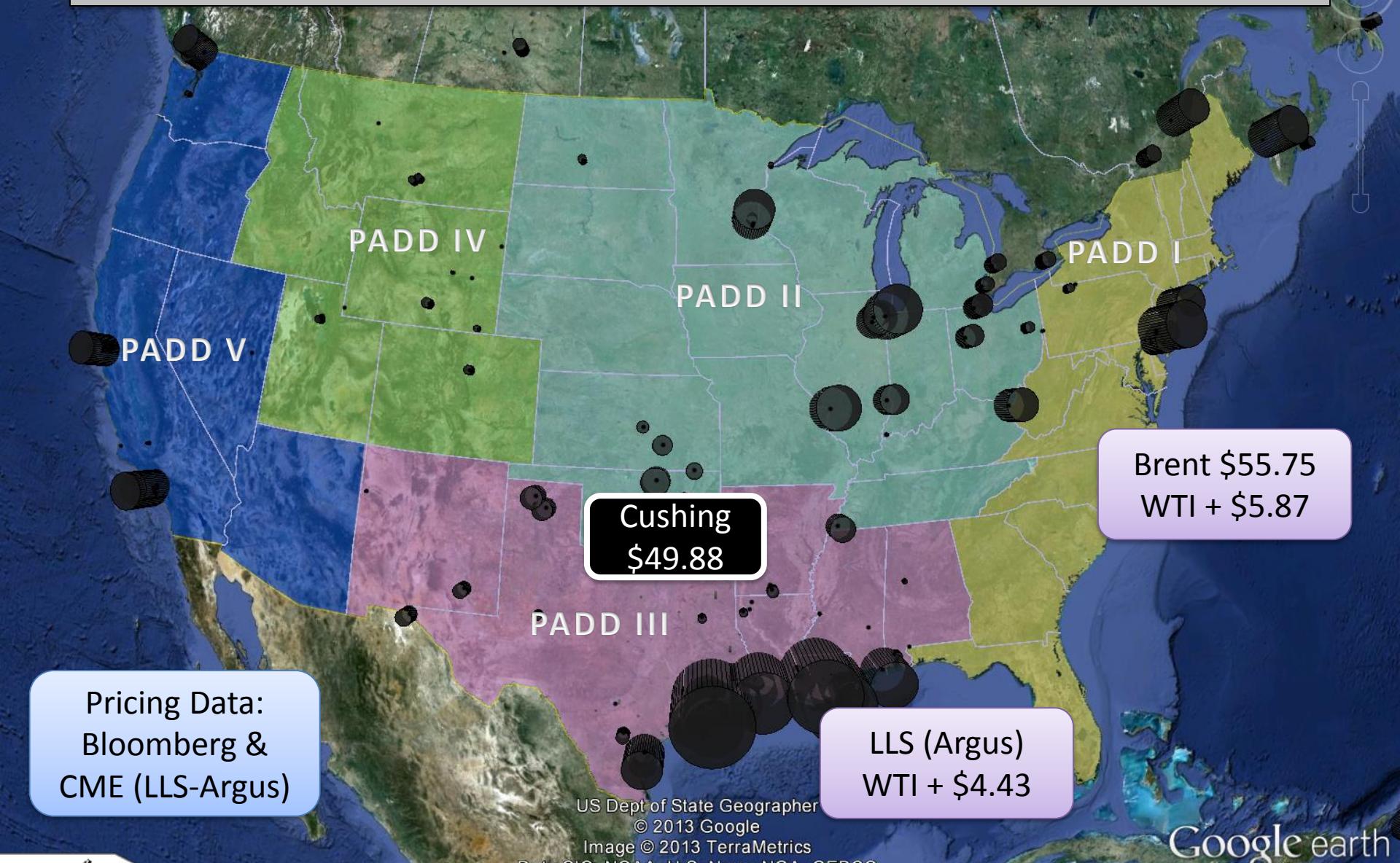
Rail Destinations Market Share (June 2017)



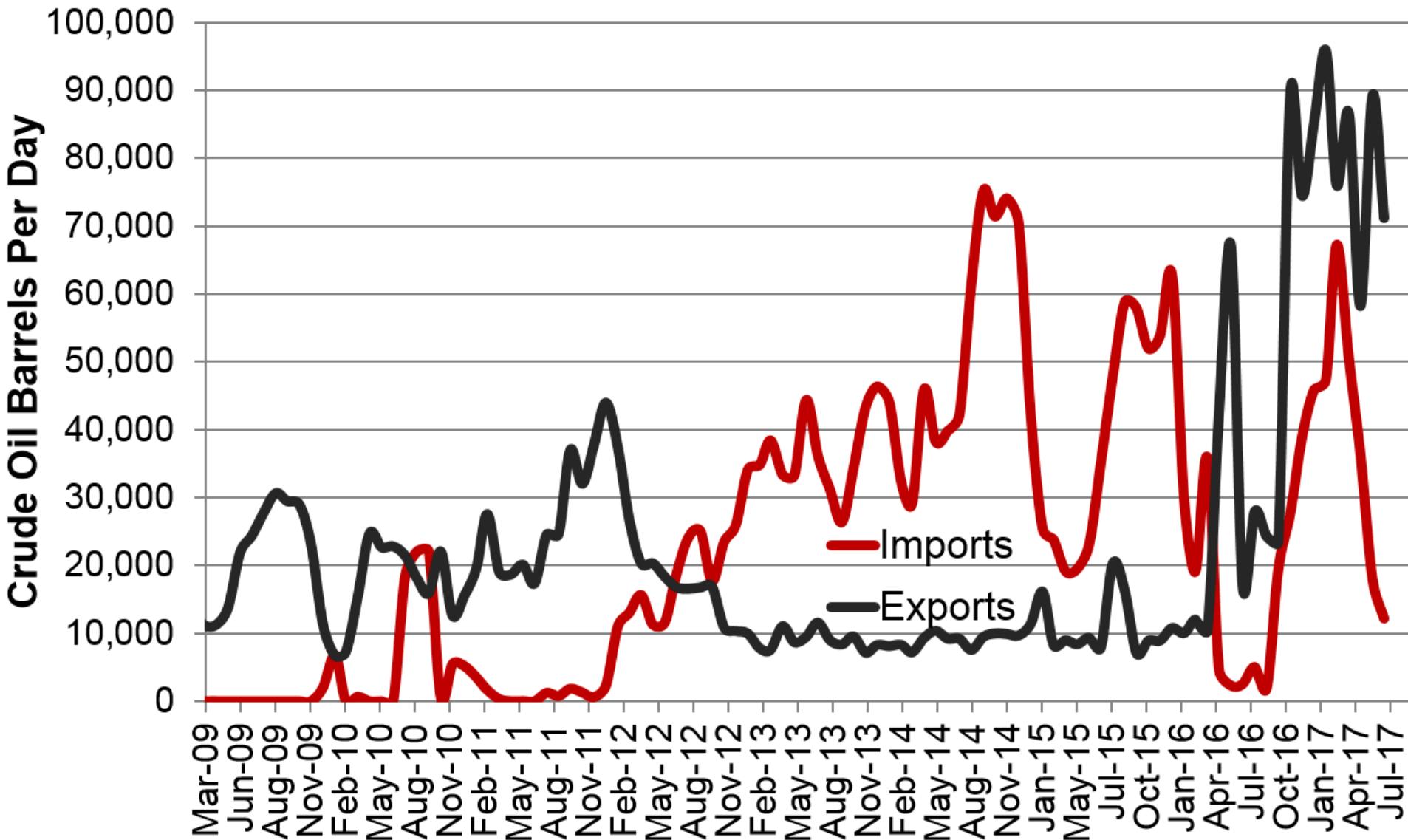
Major Rail Lines and Refineries



Crude Oil Prices – Sep. 15, 2017



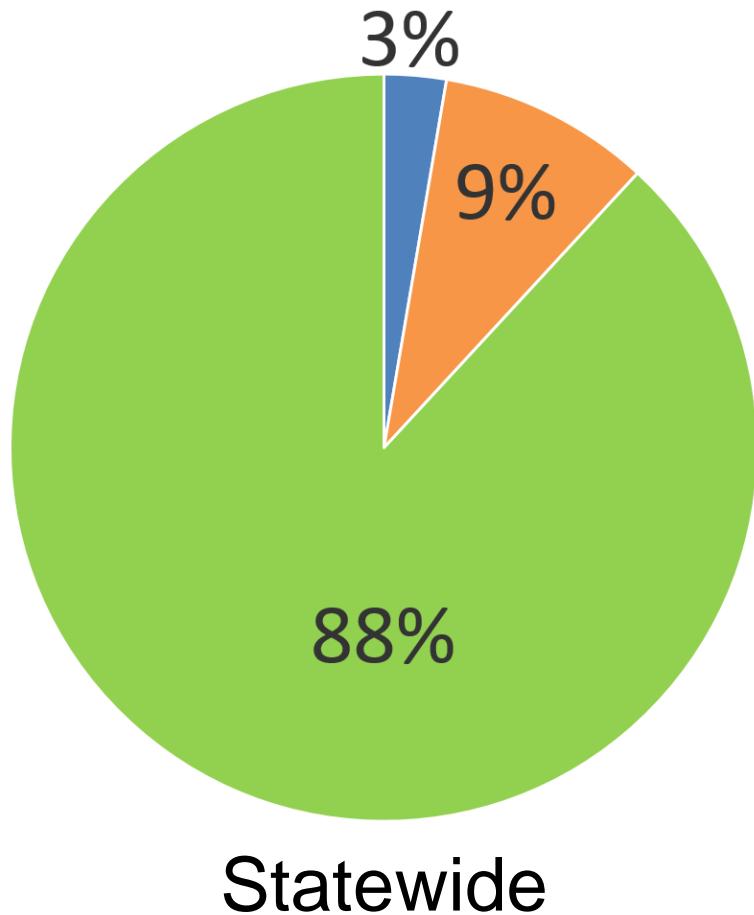
Williston Basin Truck Imports and Exports with Canada



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.

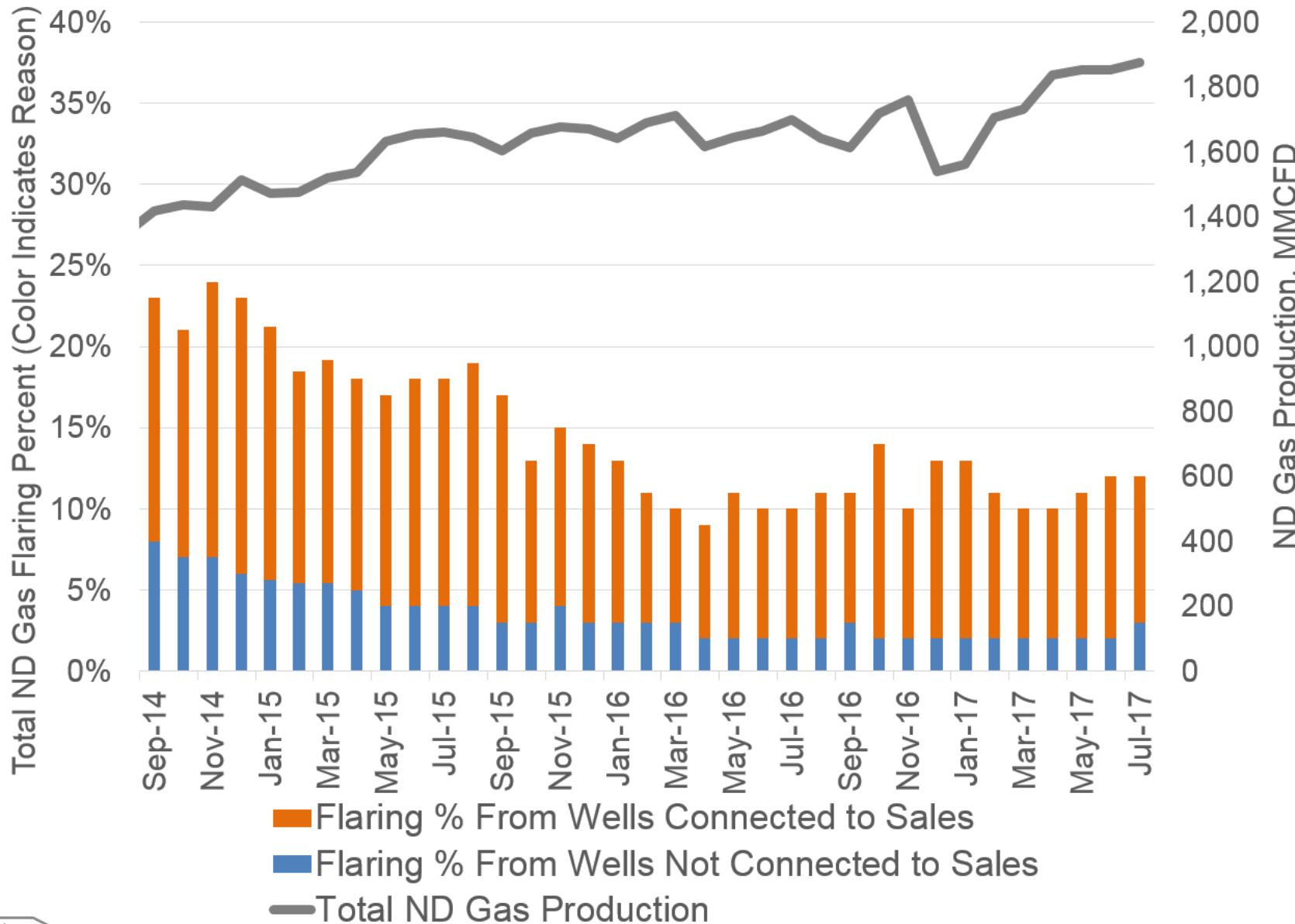
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

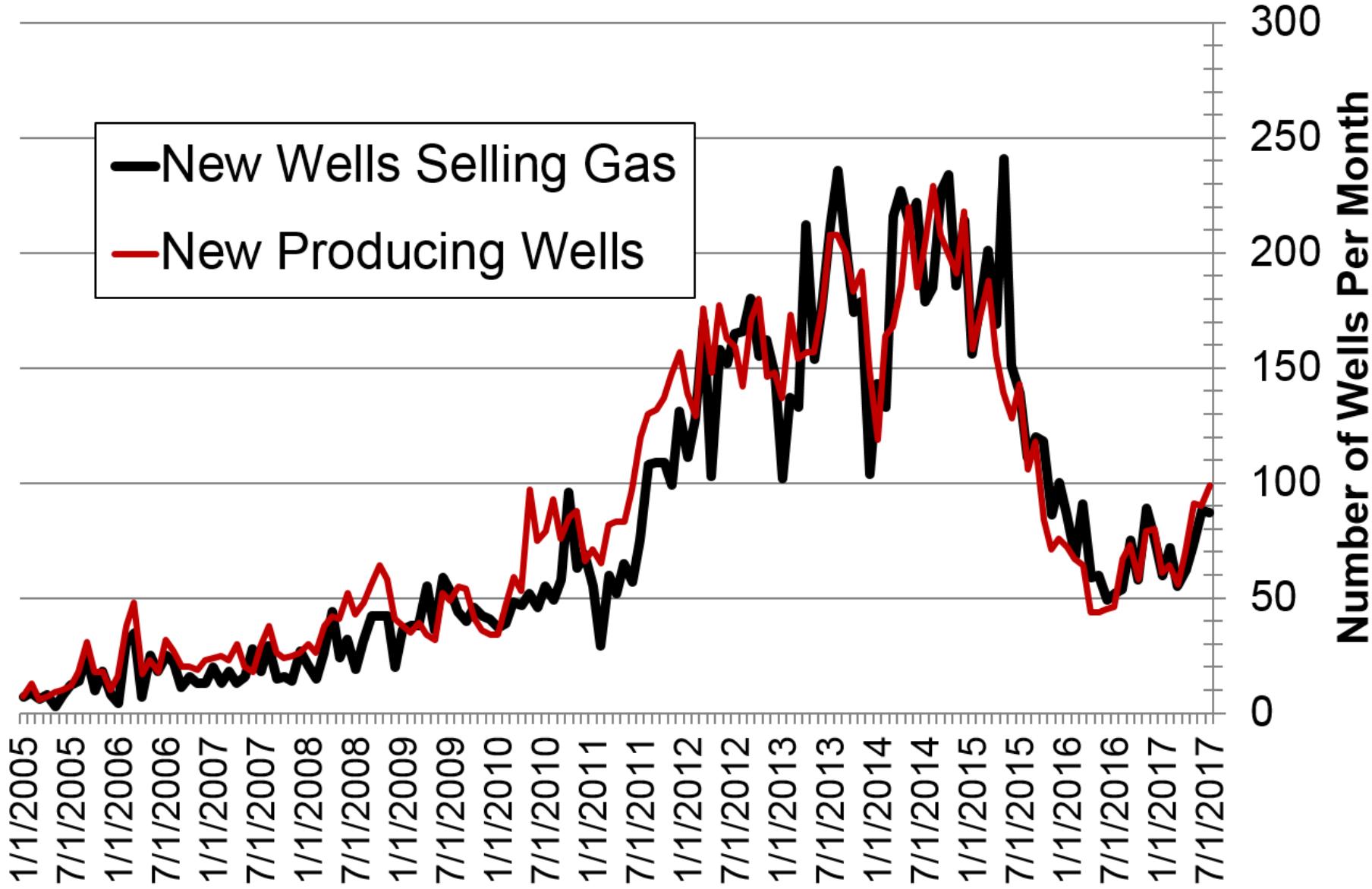
July 2017 Data – Non-Confidential Wells



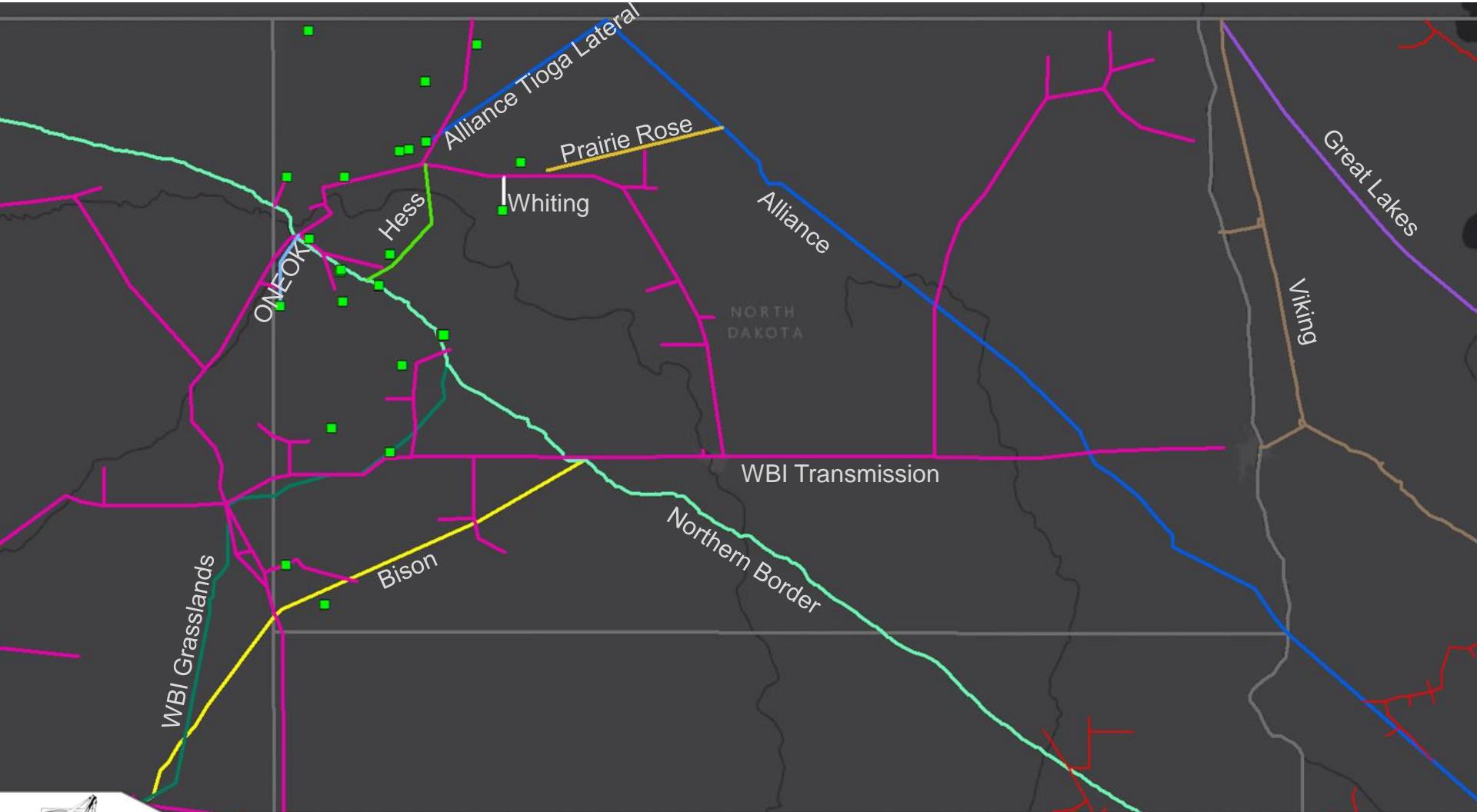
Solving the Flaring Challenge



Solving the Flaring Challenge

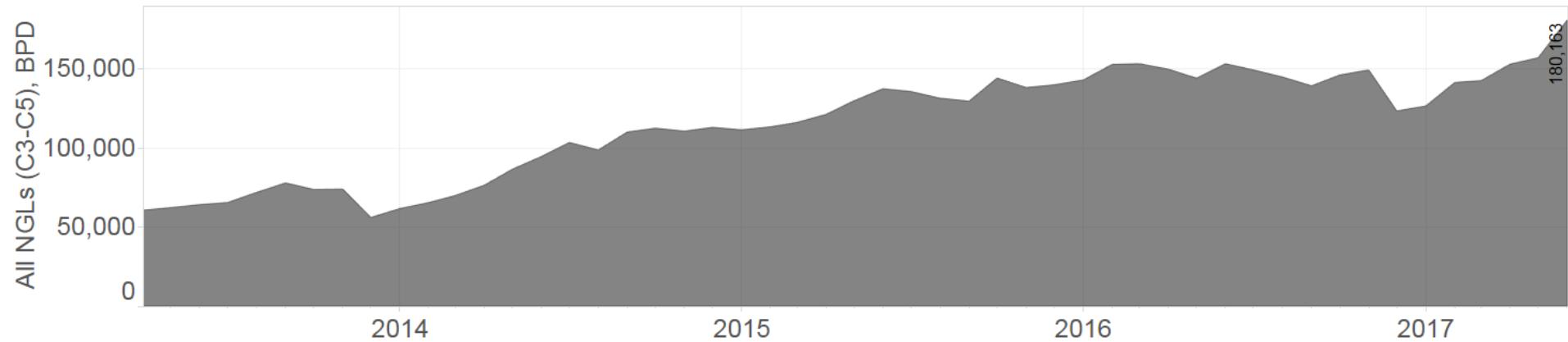


Major Gas Pipeline and Processing Infrastructure

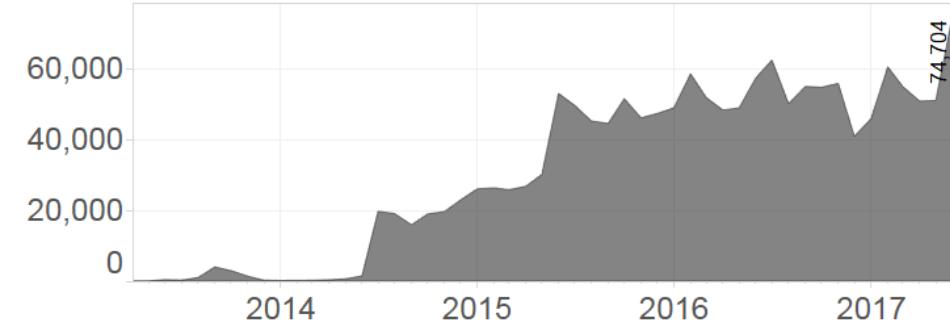


Plant Natural Gas Liquids - (June 2017)

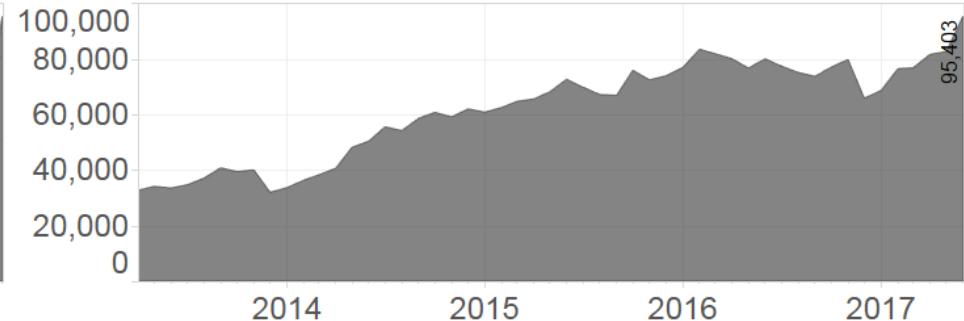
All NGLs, BPD



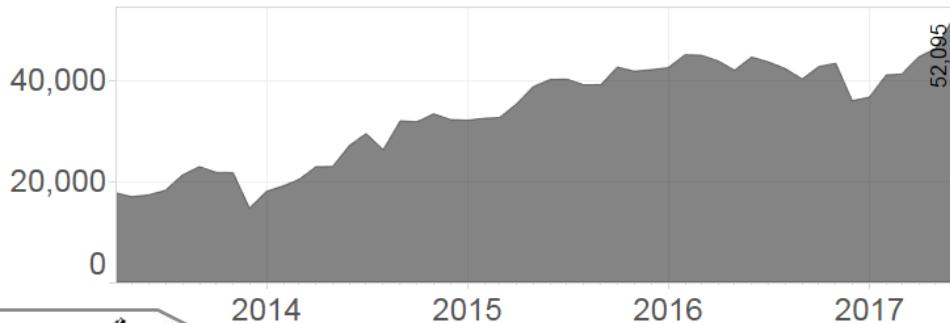
Ethane, BPD



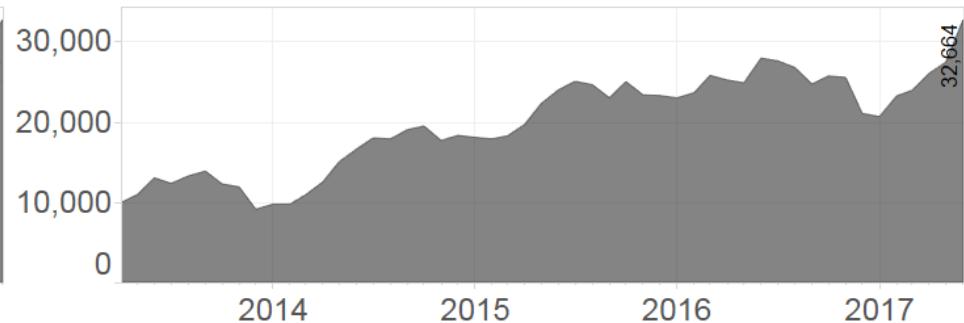
Propane, BPD



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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