



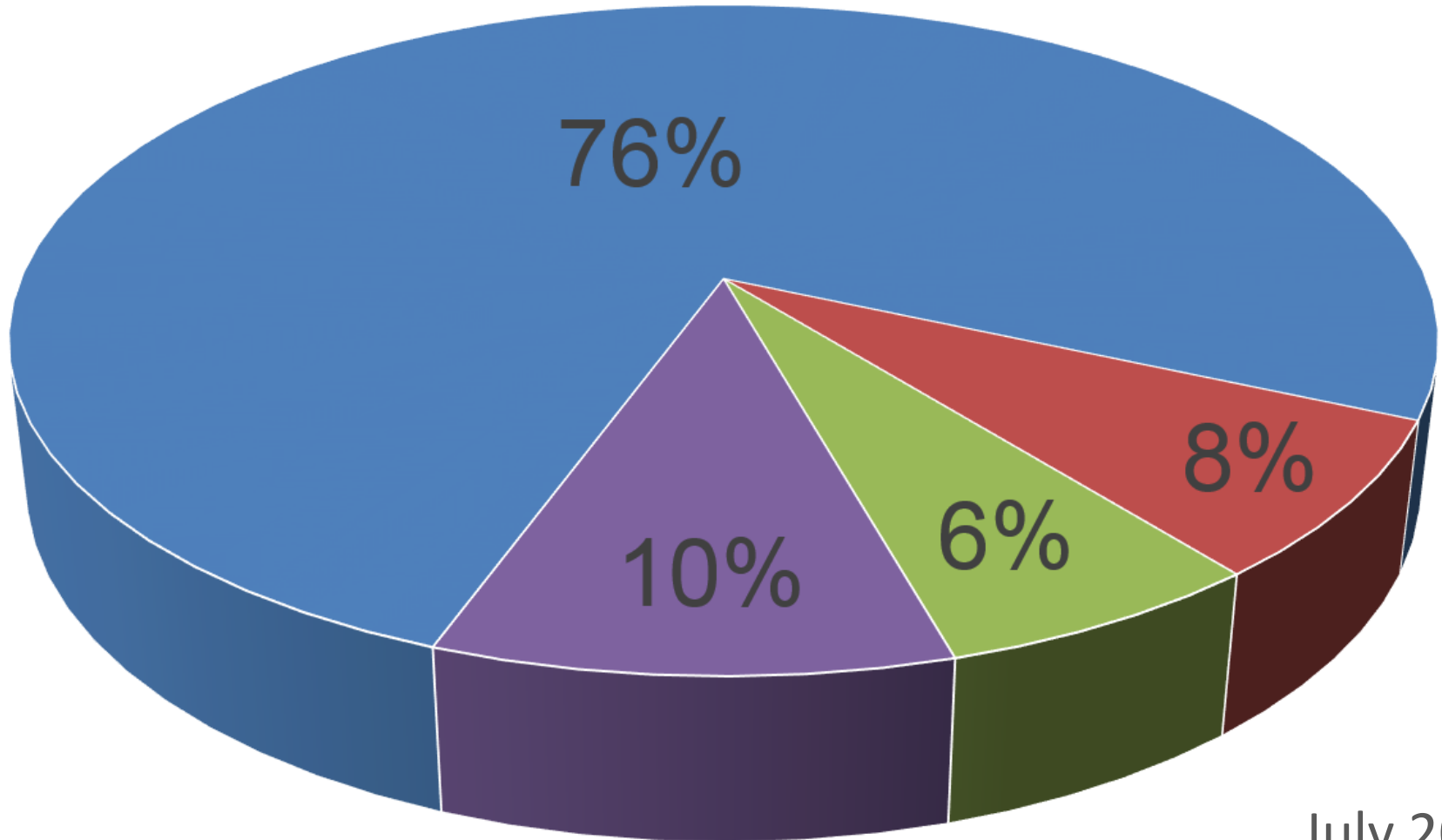
**September 2017 Monthly Update**  
**North Dakota Pipeline Authority**  
**Justin J. Kringstad**  
**September 15, 2017**

# 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

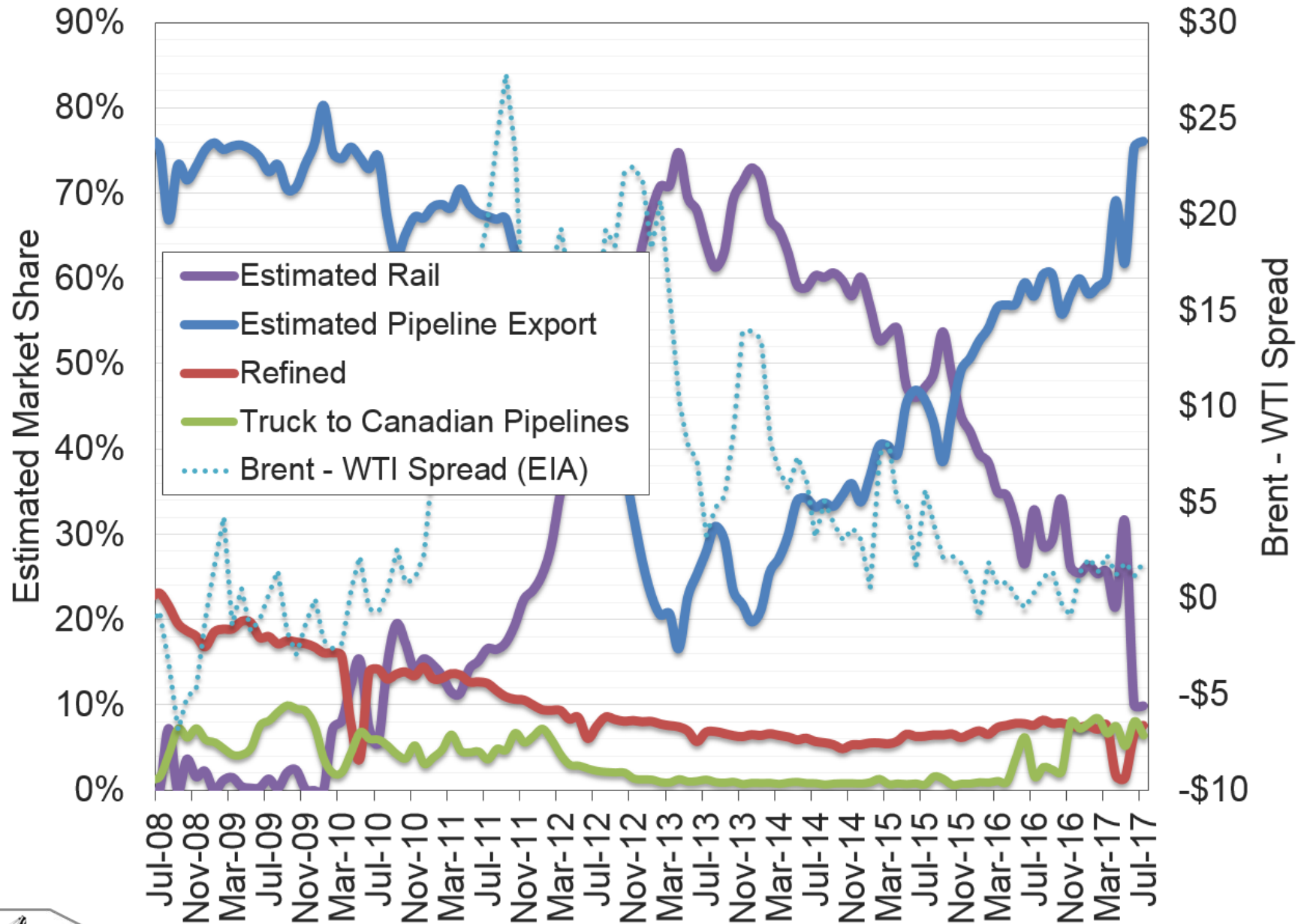


July 2017

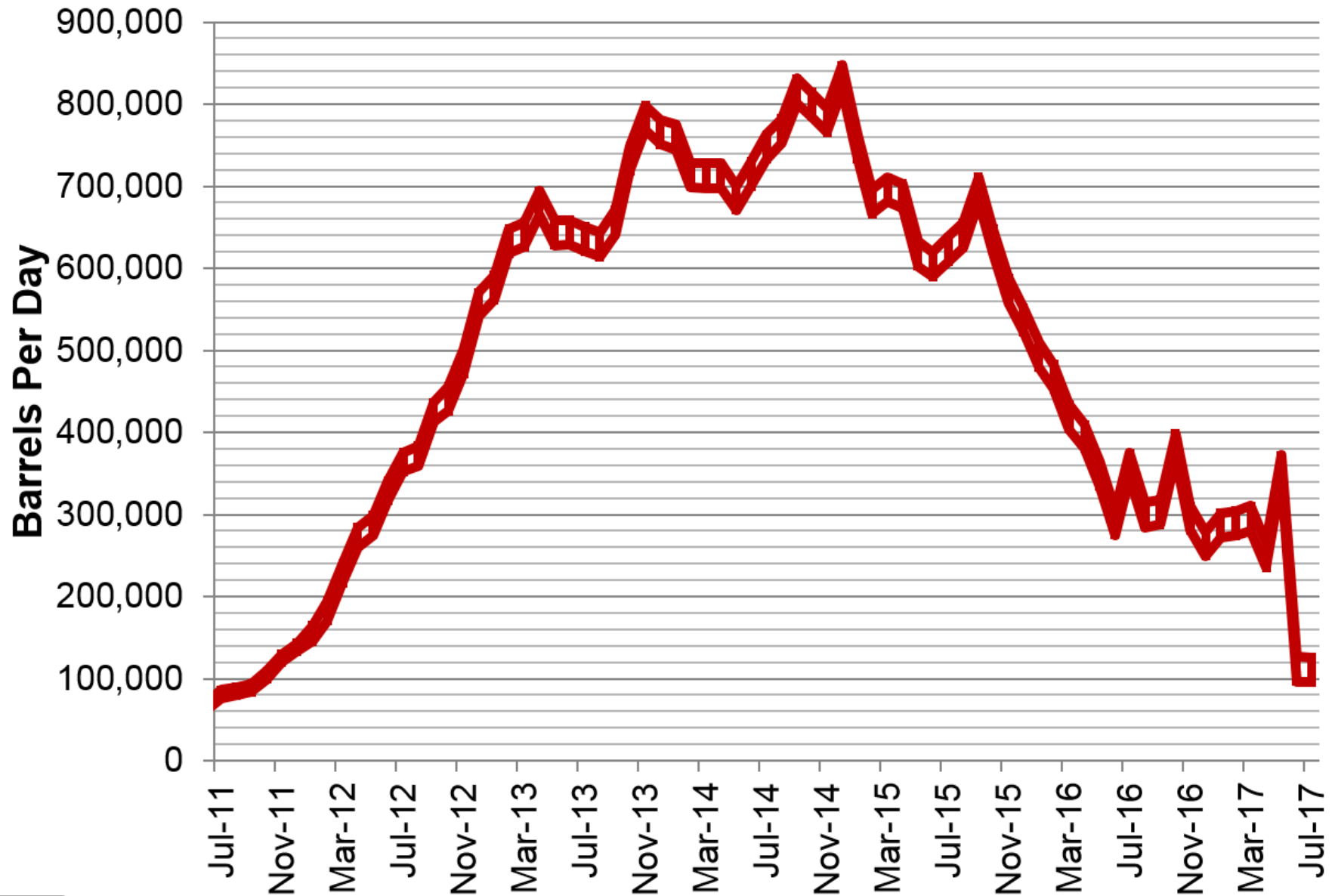
- Pipeline Export
- Refined
- Truck to Canadian Pipelines
- Estimated Rail



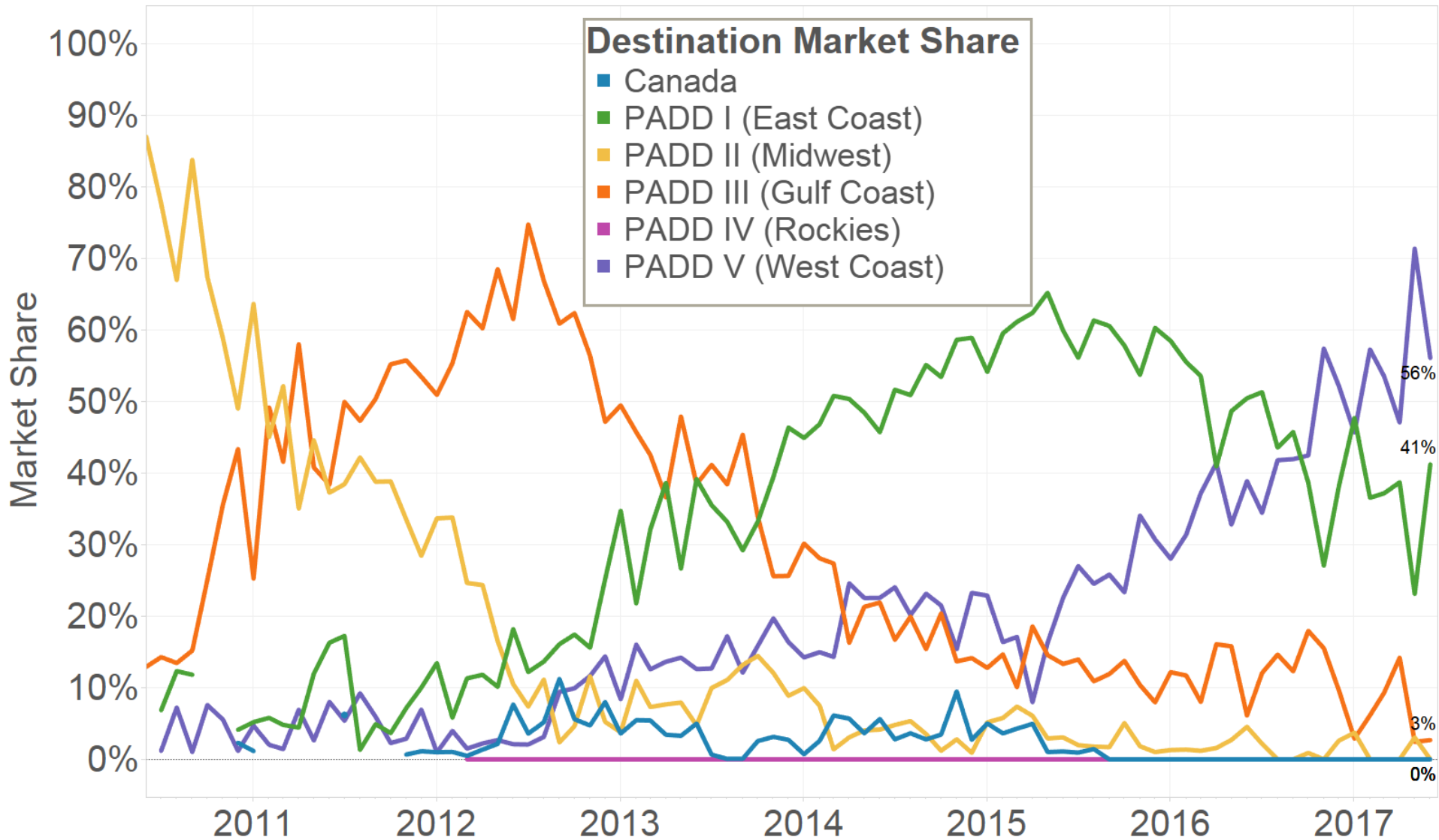
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (June 2017)

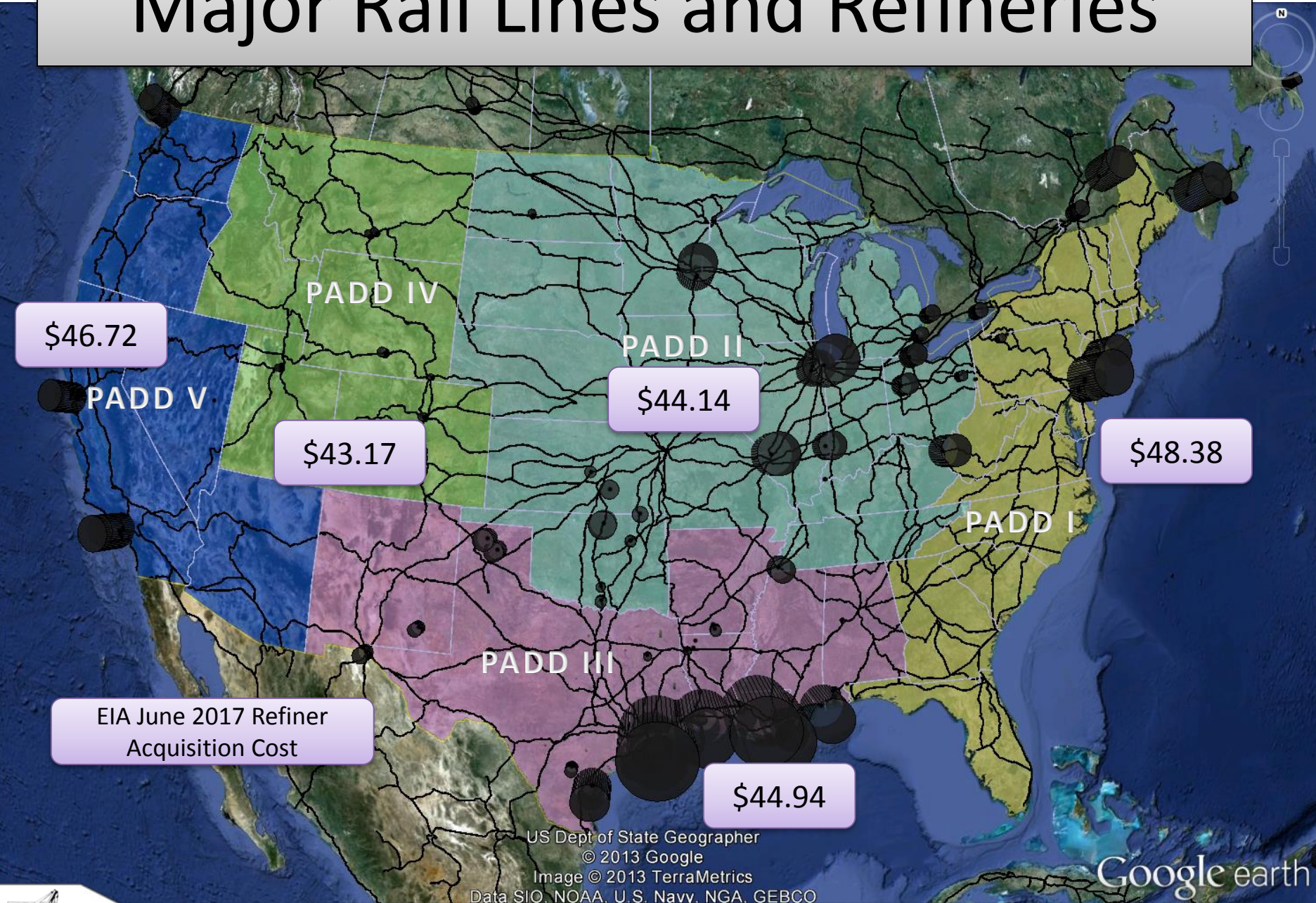


*Data for Rail Destination Market Share Provided by the US Energy Information Administration*



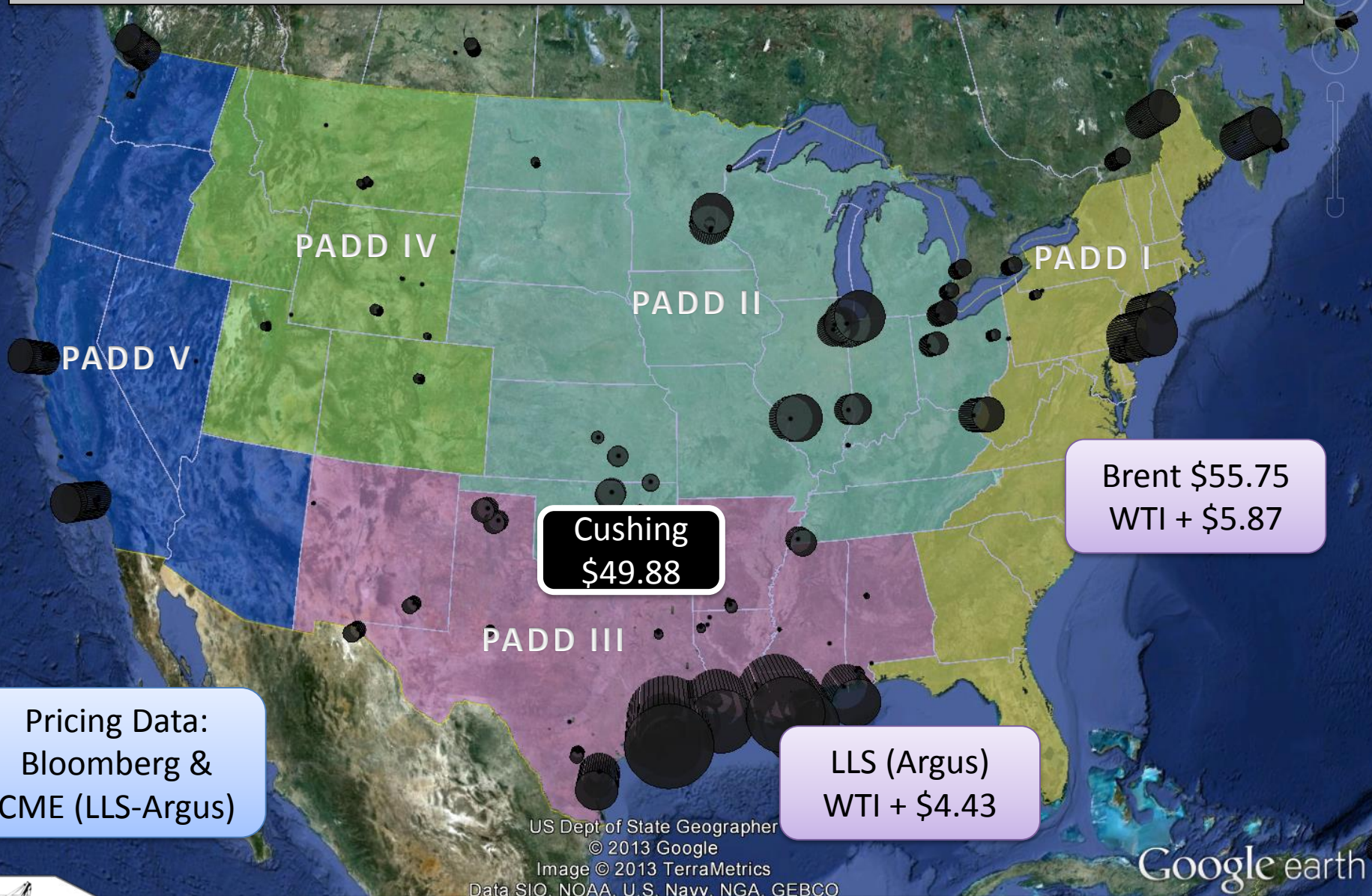


# Major Rail Lines and Refineries



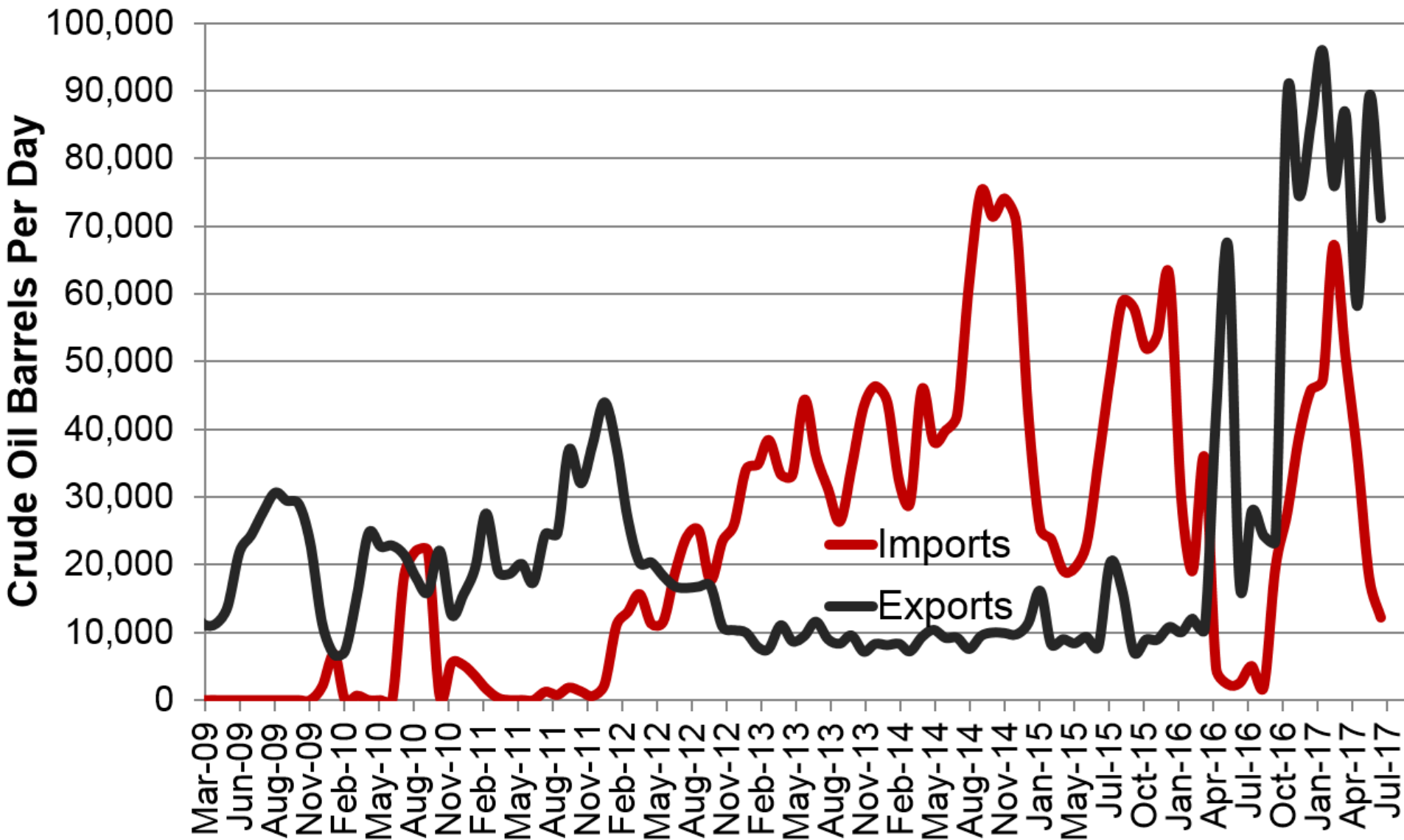


# Crude Oil Prices – Sep. 15, 2017





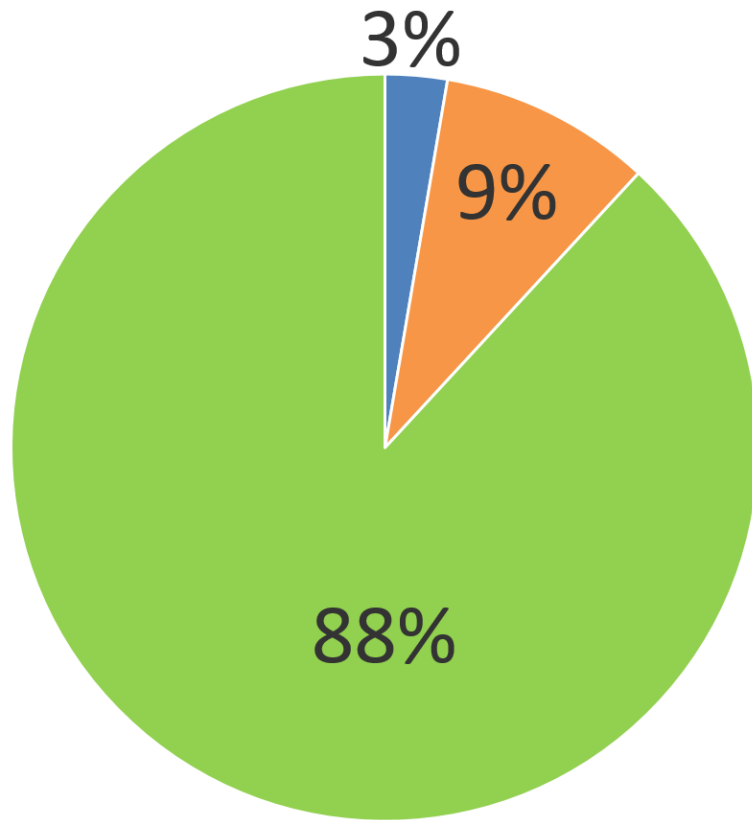
# Williston Basin Truck Imports and Exports with Canada



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



# Solving the Flaring Challenge



Statewide

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

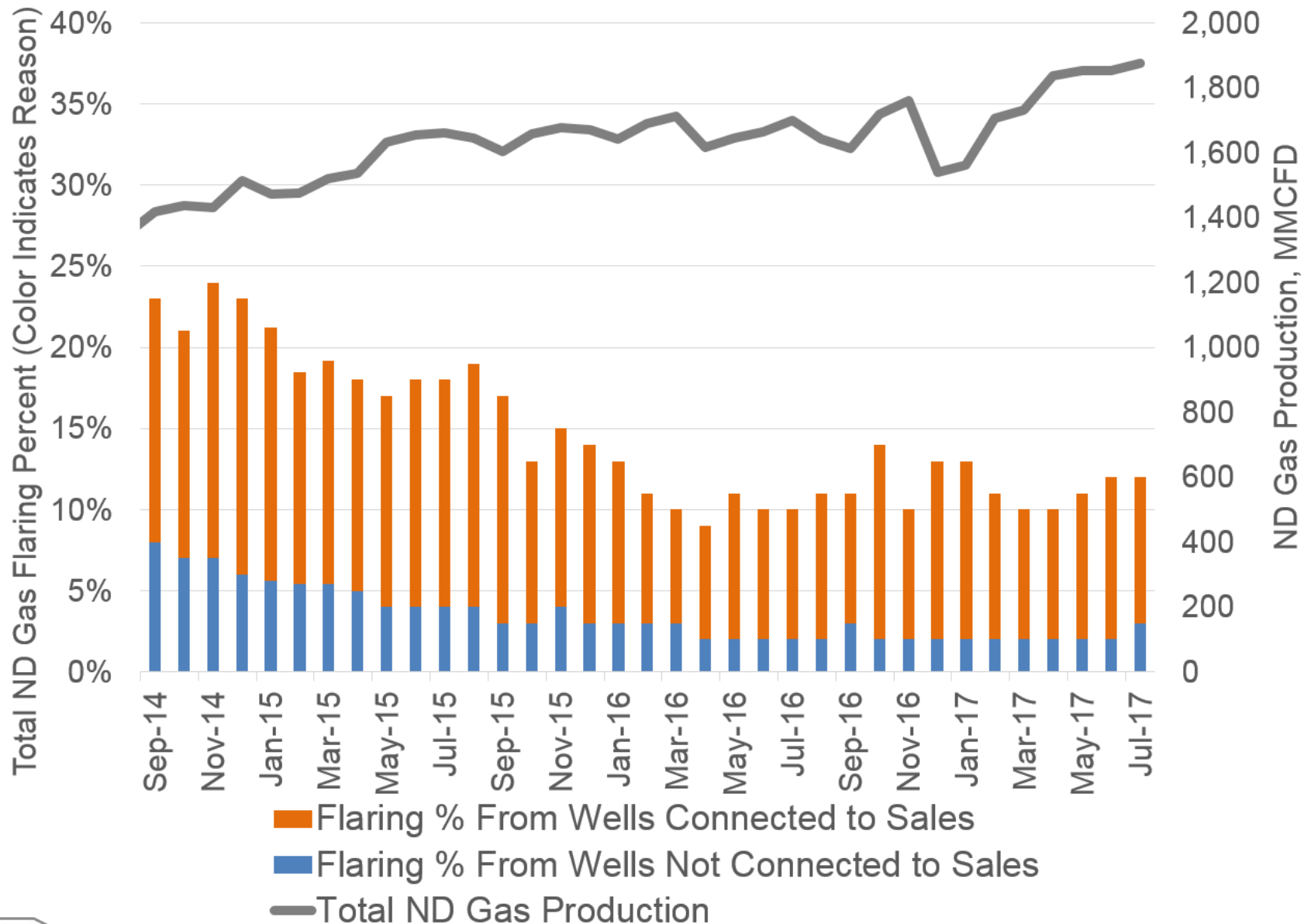
## Simple Terms

**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

July 2017 Data – Non-Confidential Wells

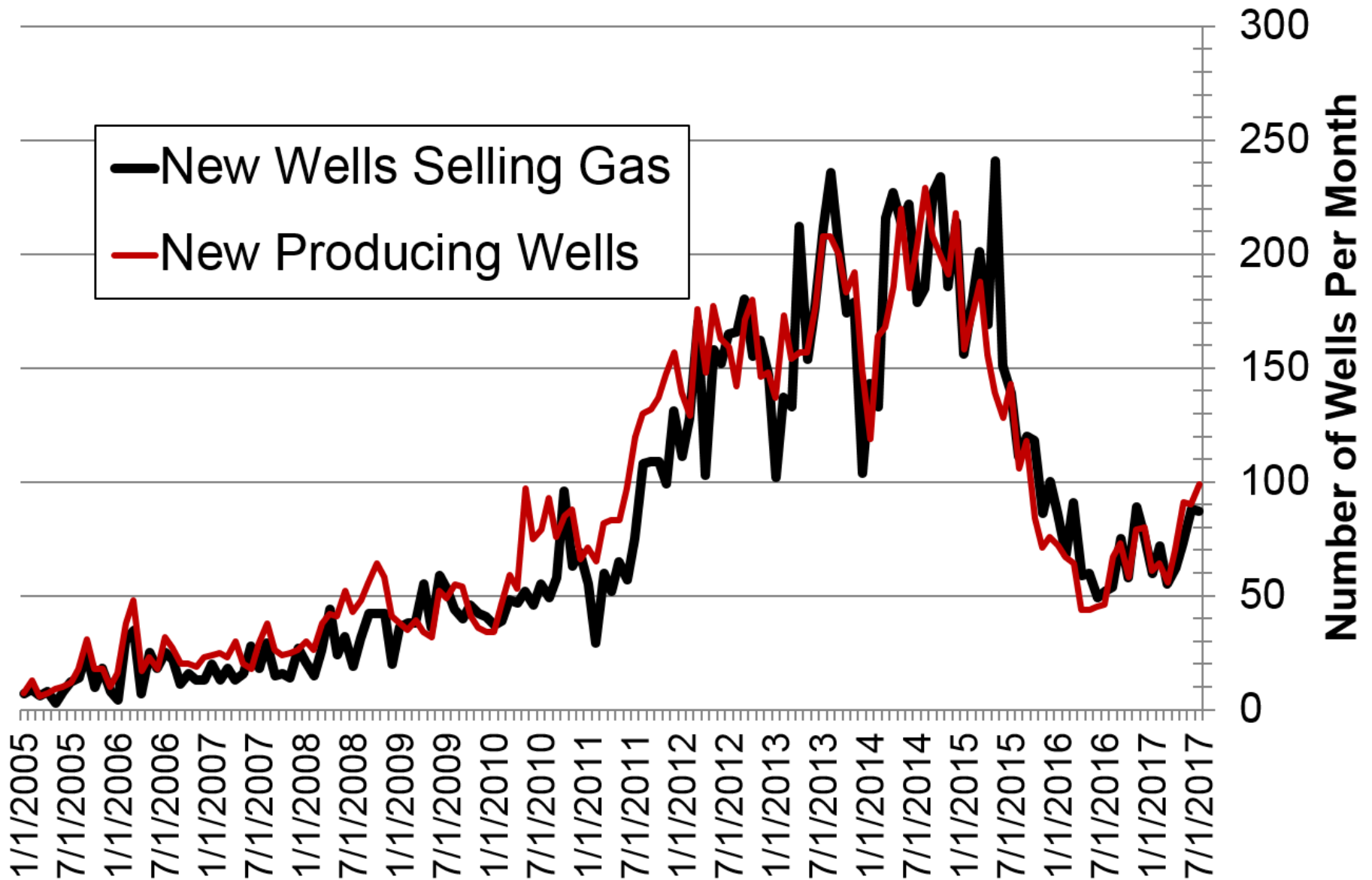


# Solving the Flaring Challenge

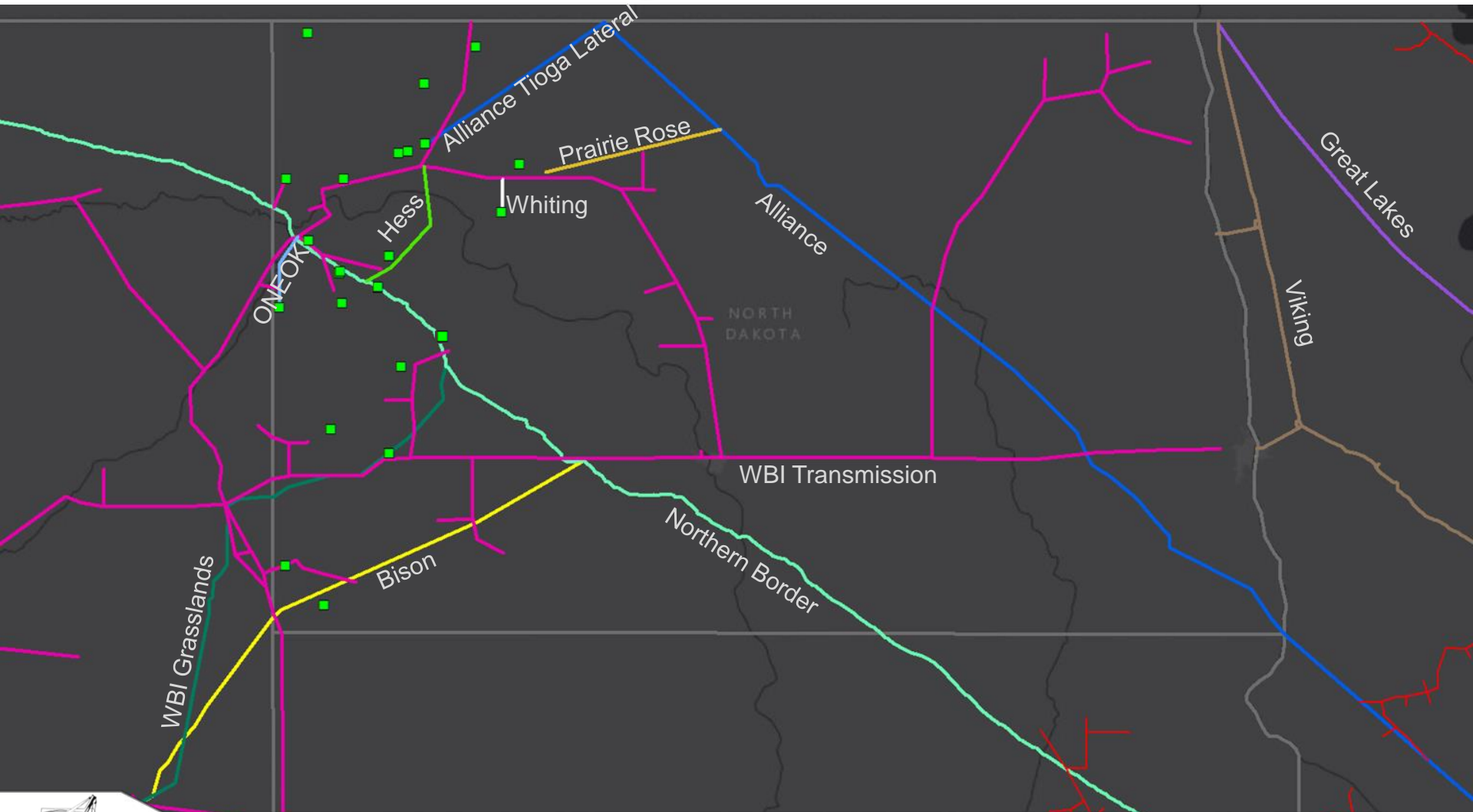




# Solving the Flaring Challenge

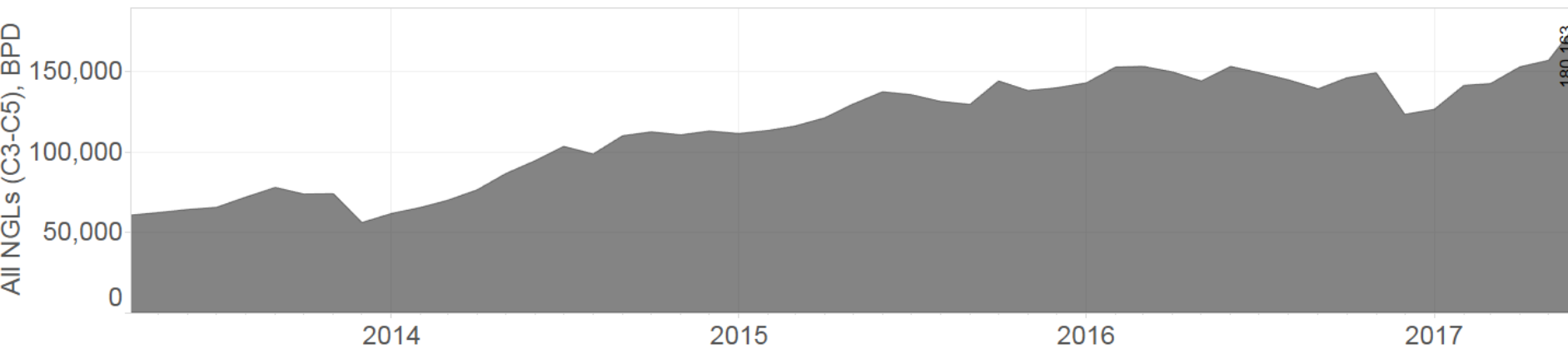


# Major Gas Pipeline and Processing Infrastructure

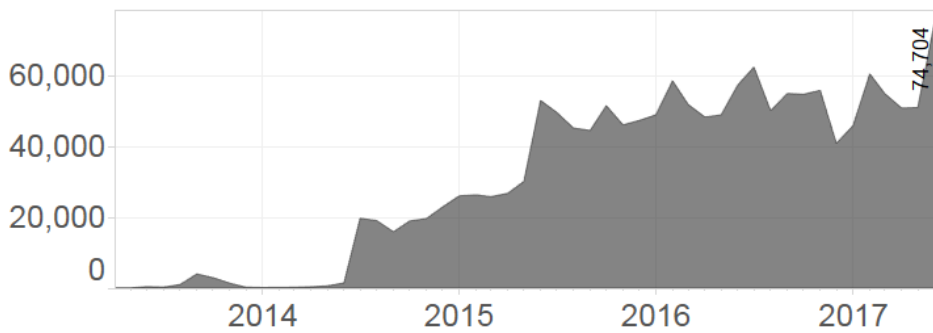


# Plant Natural Gas Liquids - (June 2017)

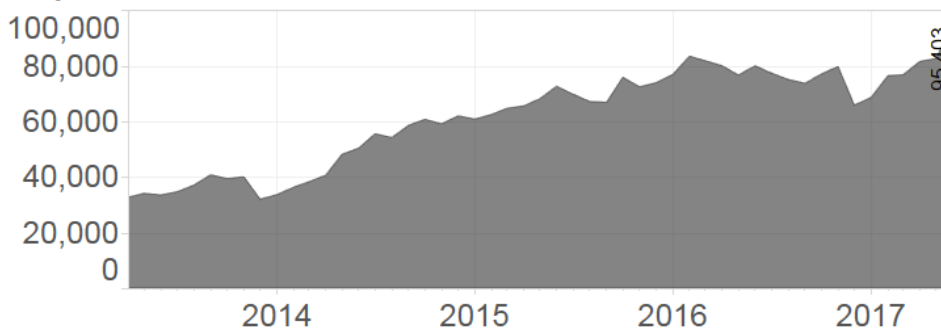
All NGLs, BPD



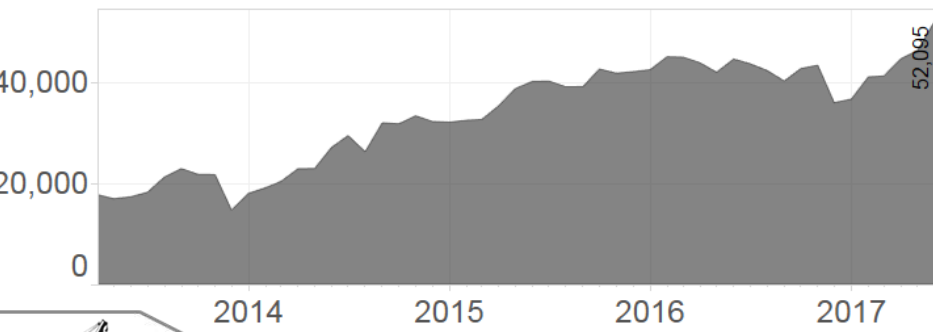
Ethane, BPD



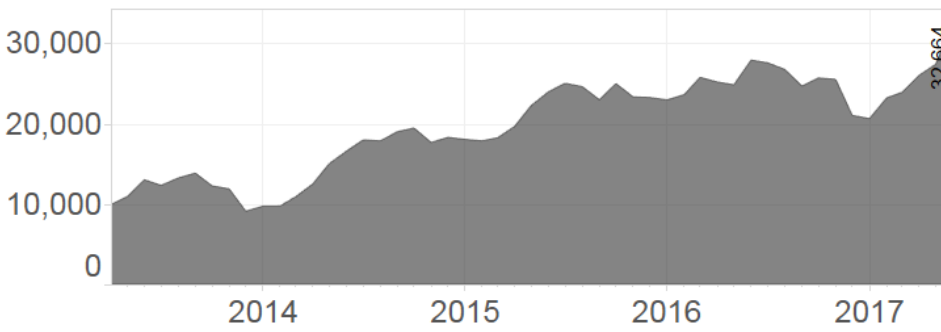
Propane, BPD



Butane, BPD



Natural Gasoline, BPD





# Contact Information

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