



# **April 2017 Monthly Update**

**North Dakota Pipeline Authority**

**Justin J. Kringstad**

**April 13, 2017**

# US Williston Basin Oil Production - 2017

MONTH	ND	Eastern MT*	SD	TOTAL
January	981,380	52,223	3,553	1,037,156
February	1,034,168		3,718	
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

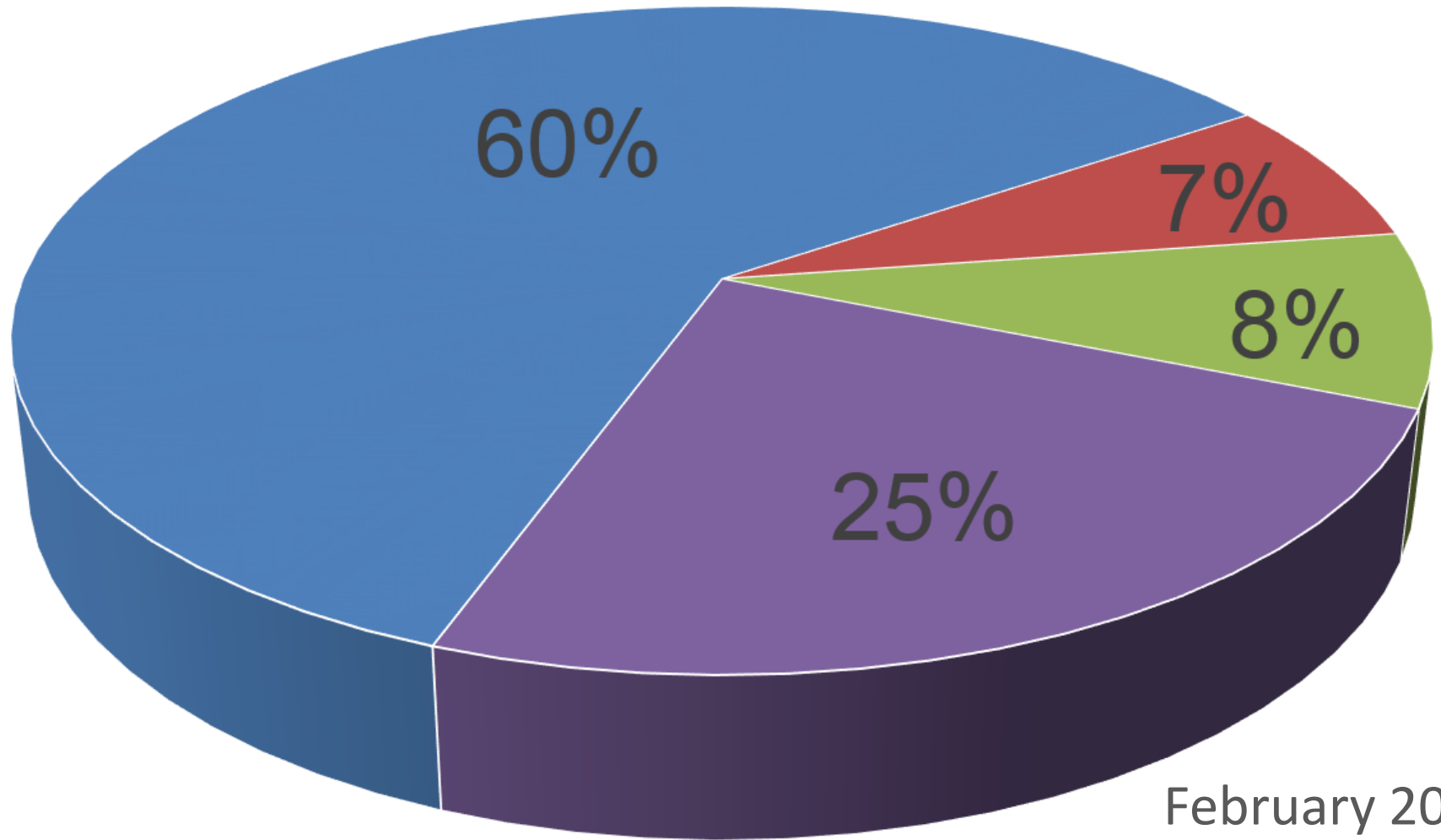


# US Williston Basin Oil Production - 2016

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	55,637	3,764	1,030,542
October	1,042,790	56,001	3,654	1,102,446
November	1,034,484	56,212	3,770	1,094,466
December	942,461	52,590	3,478	998,529



# Estimated Williston Basin Oil Transportation



February 2017

■ Pipeline Export

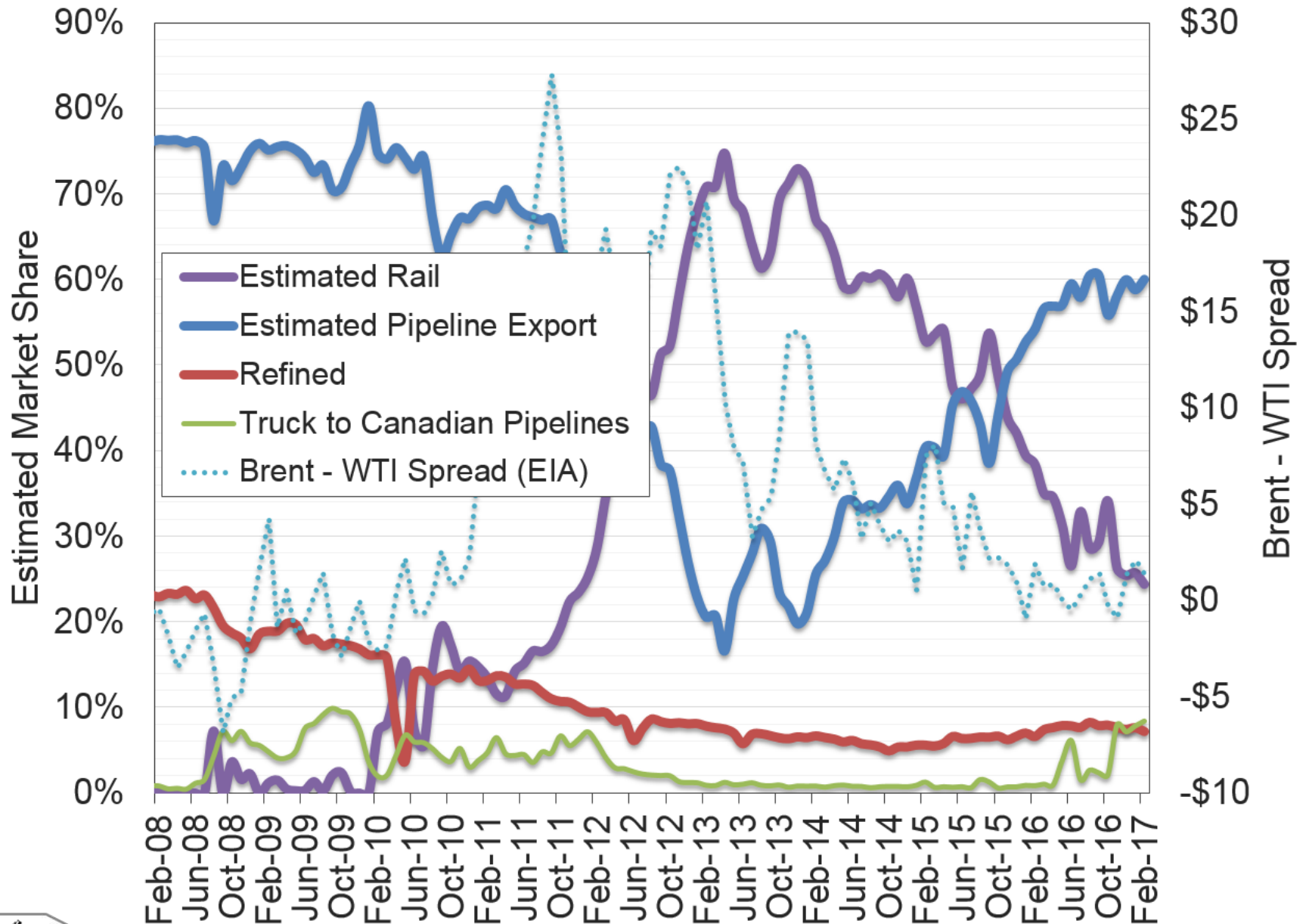
■ Refined

■ Truck to Canadian Pipelines

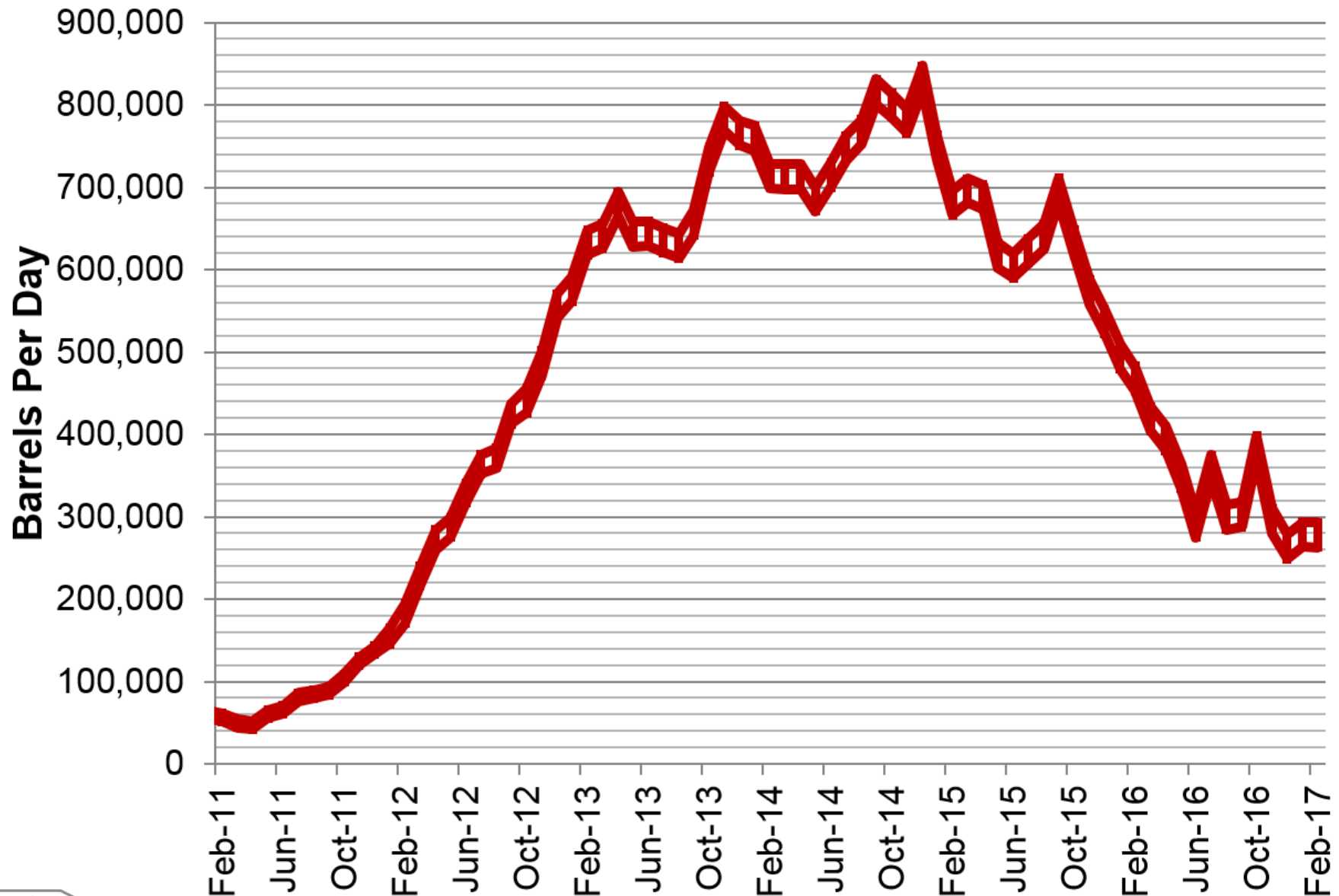
■ Estimated Rail



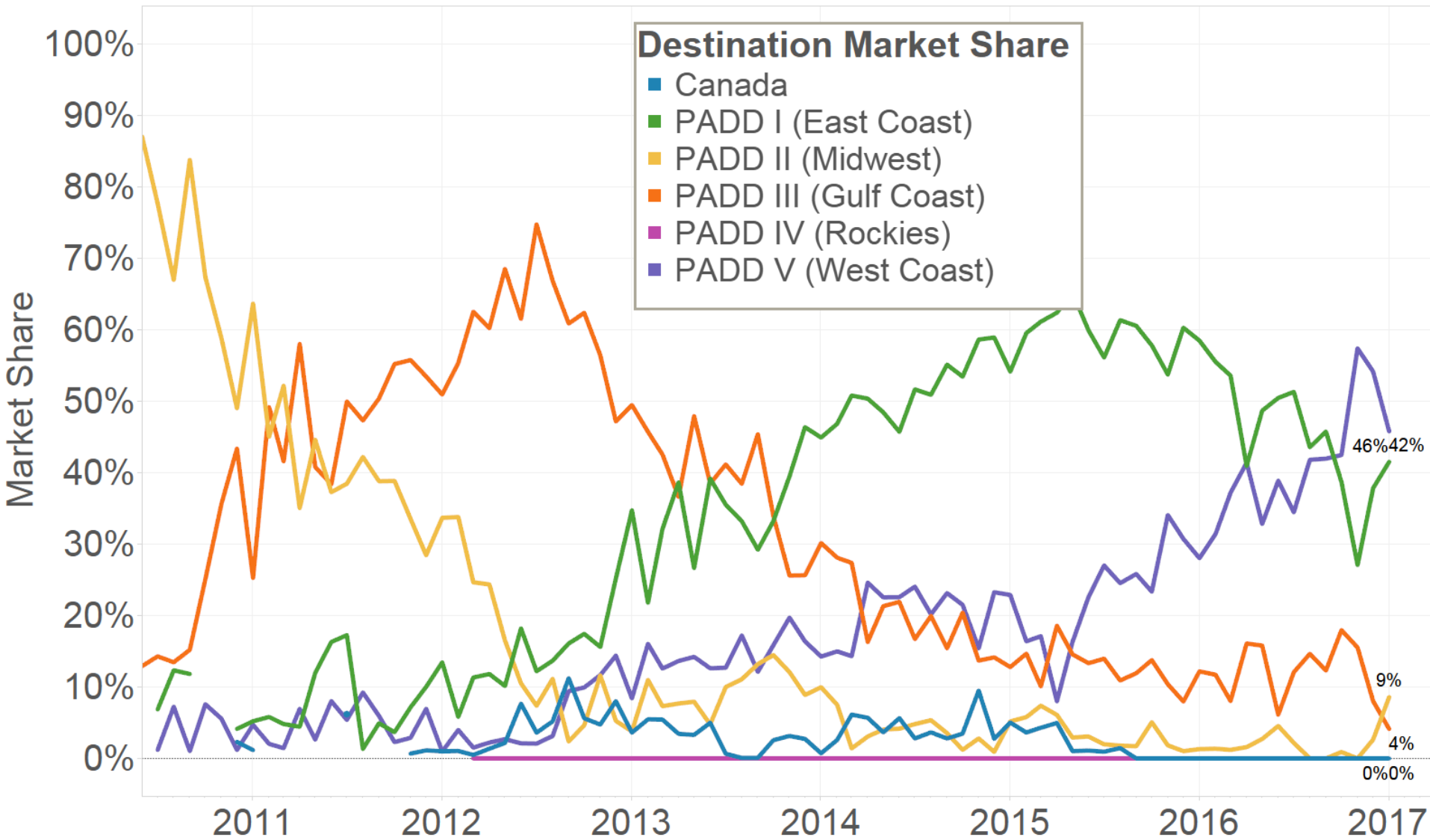
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (Jan. 2017)

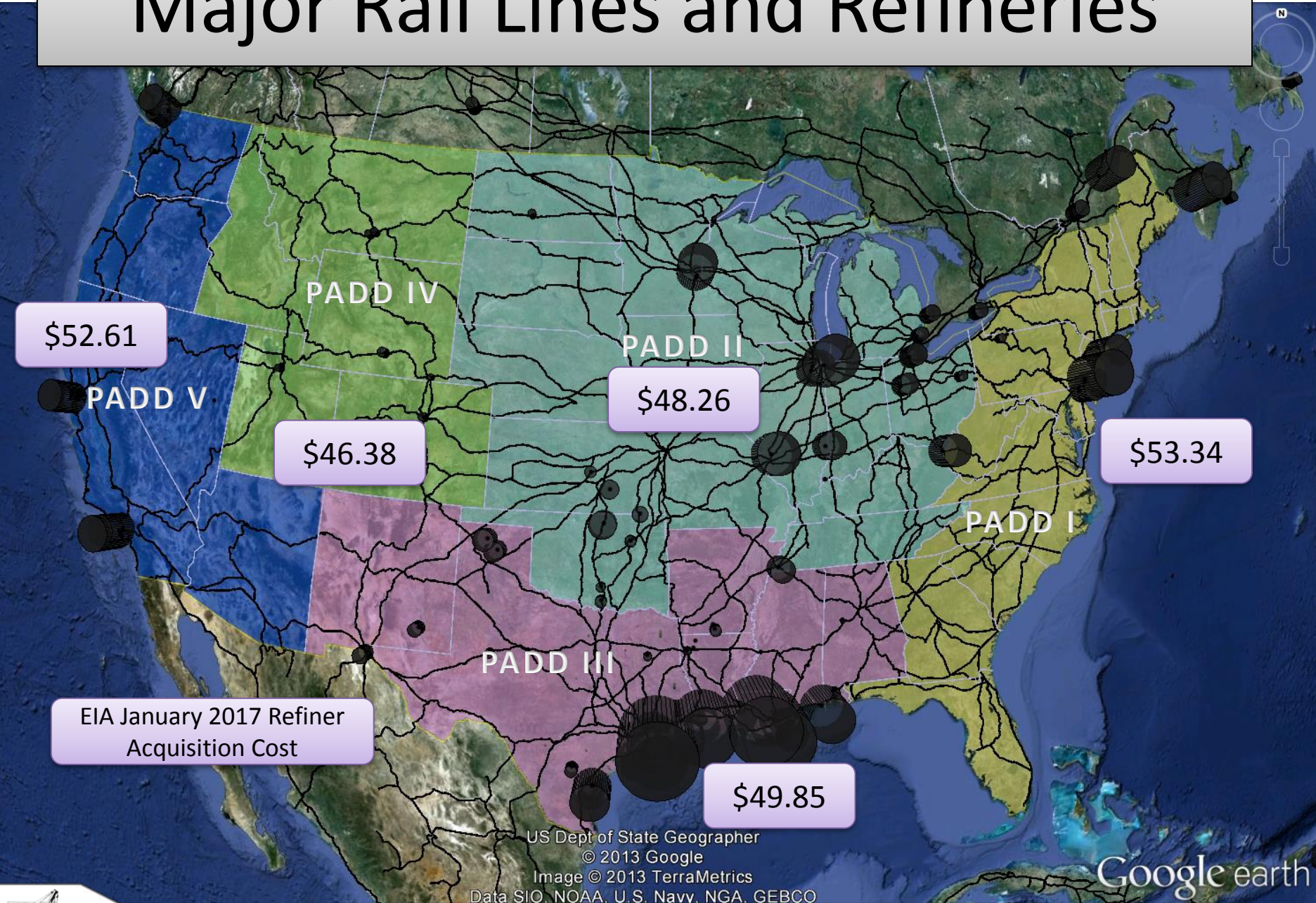


*Data for Rail Destination Market Share Provided by the US Energy Information Administration*



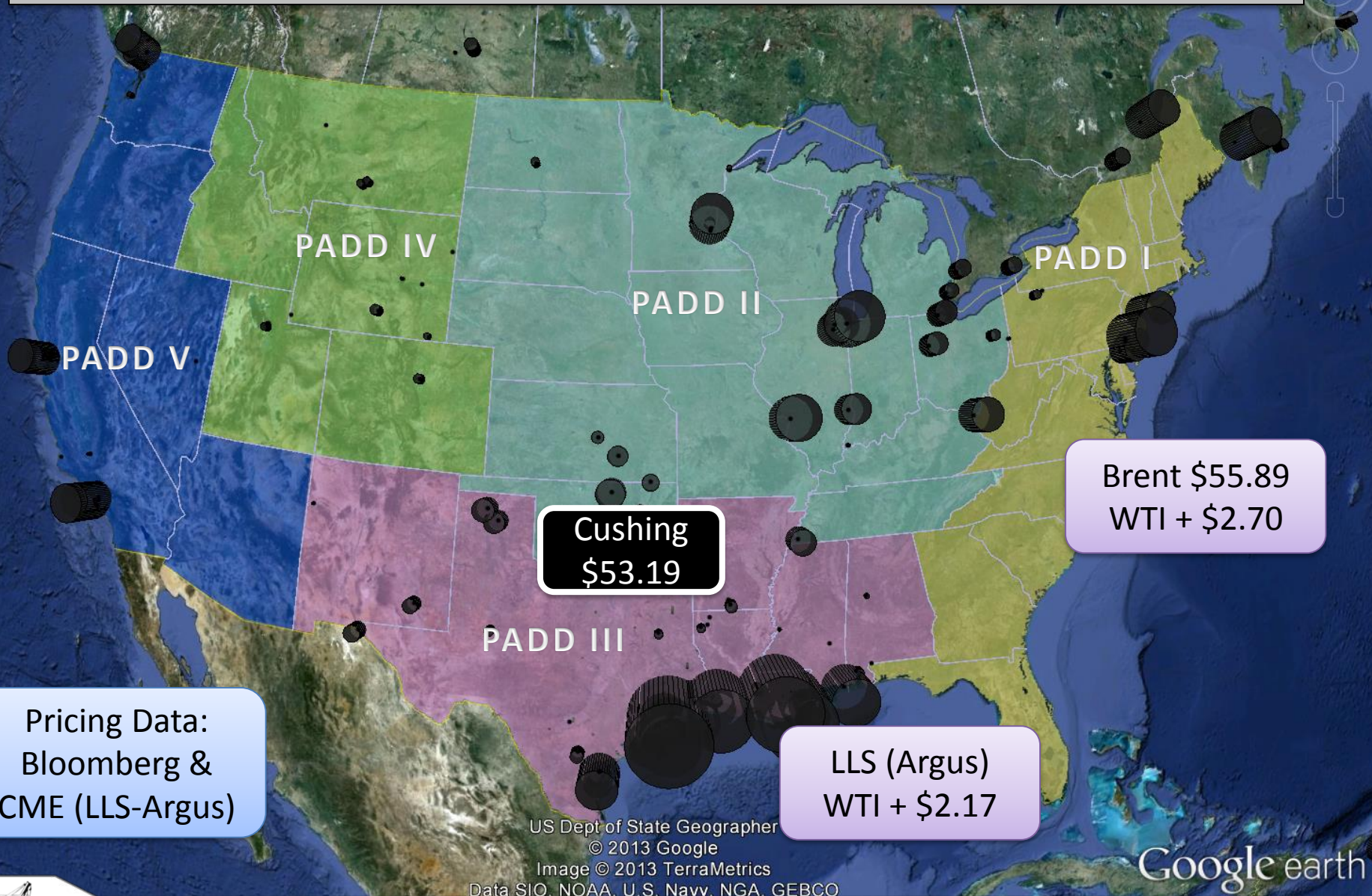


# Major Rail Lines and Refineries

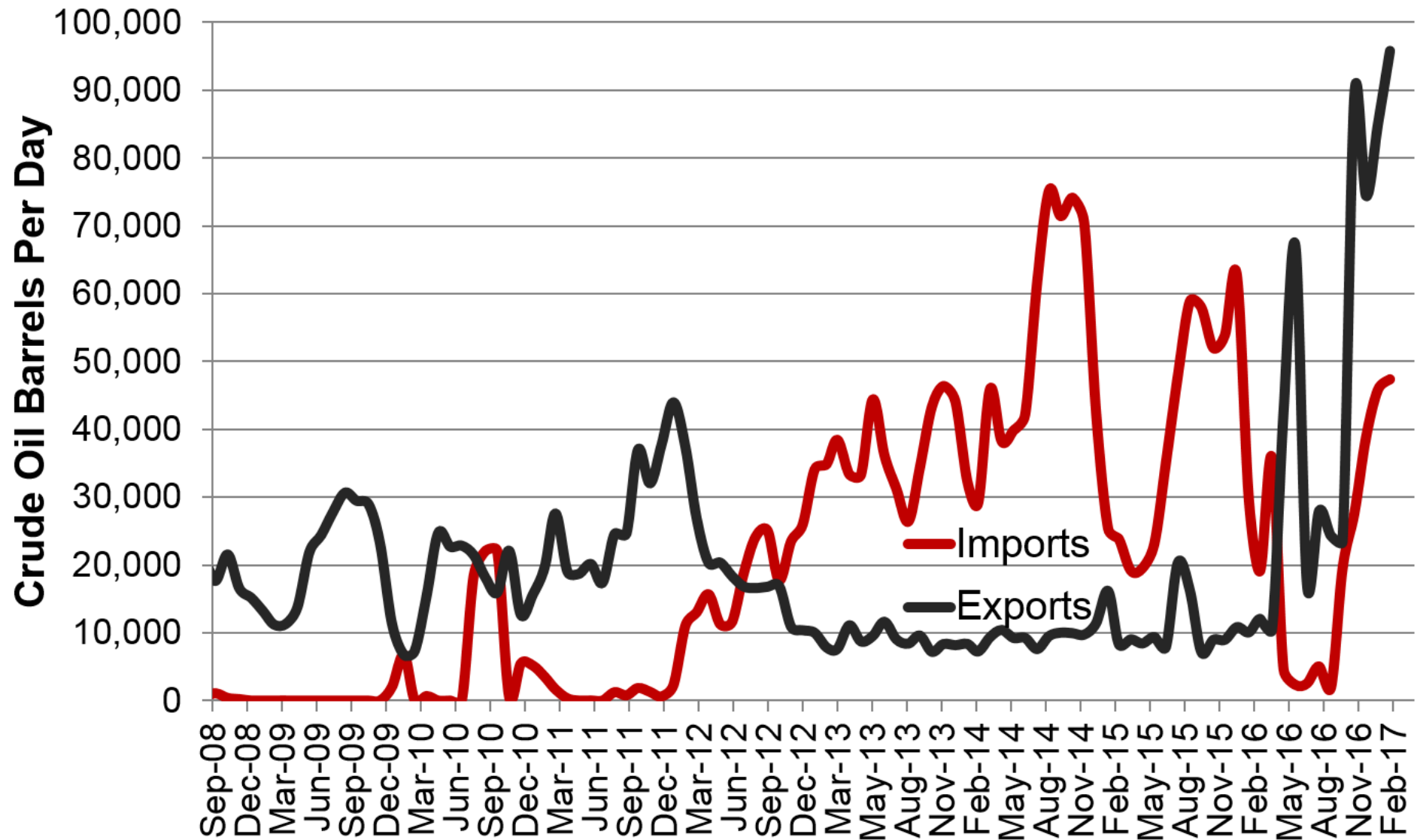




# Crude Oil Prices – Apr 13, 2016



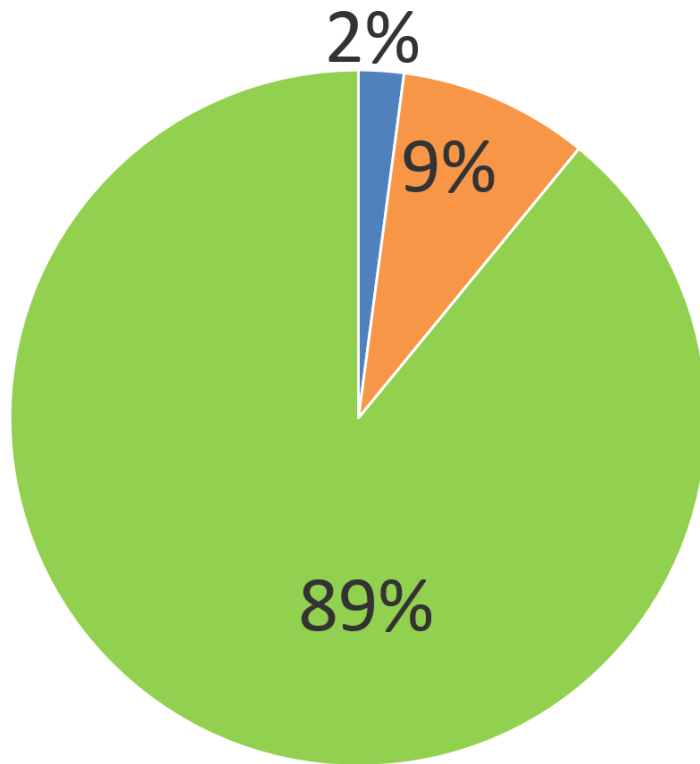
# ***Williston Basin Truck Imports and Exports with Canada***



***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.

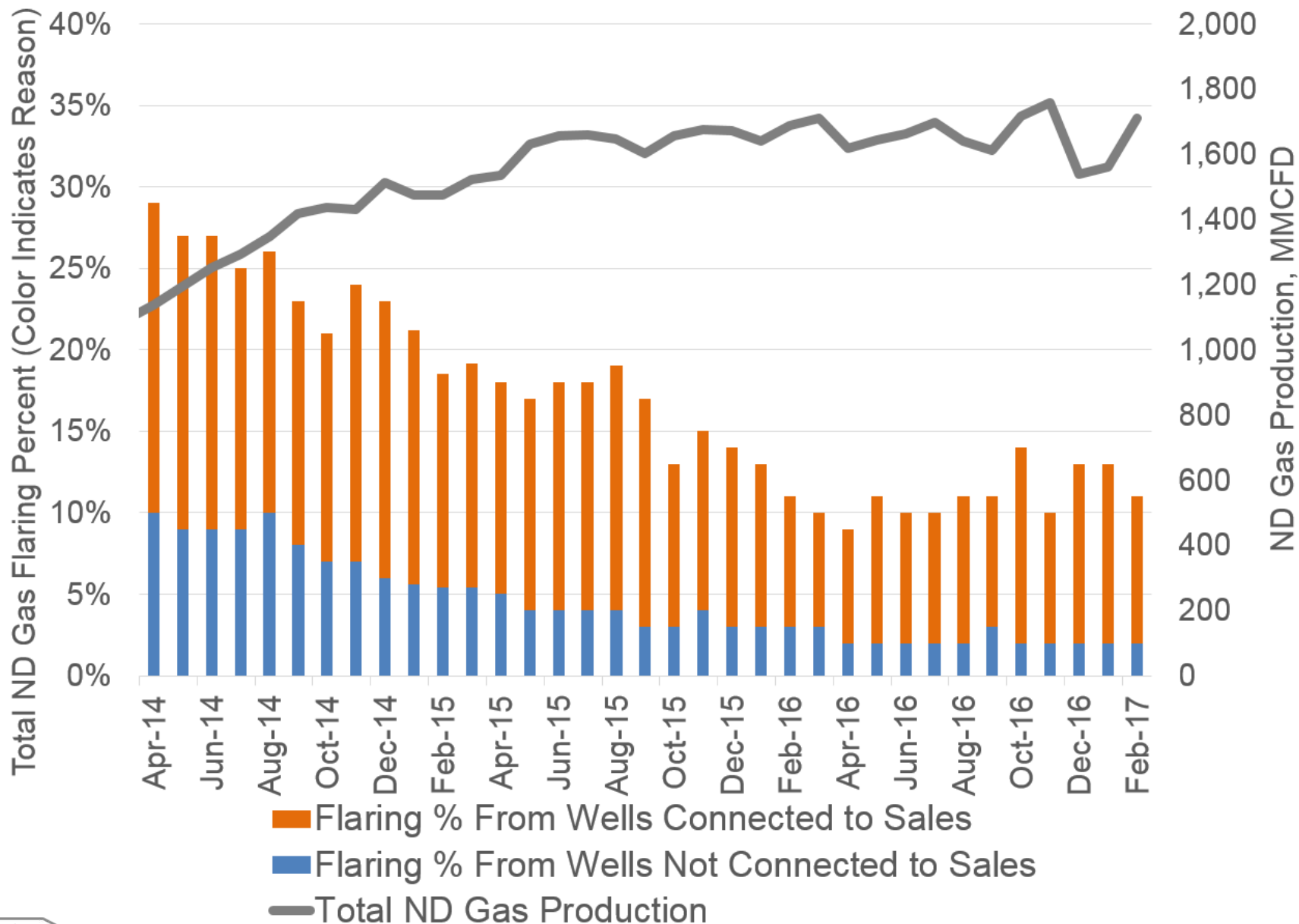
## Simple Terms

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

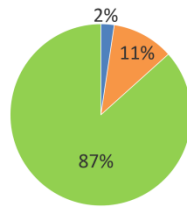
Feb 2017 Data – Non-Confidential Wells



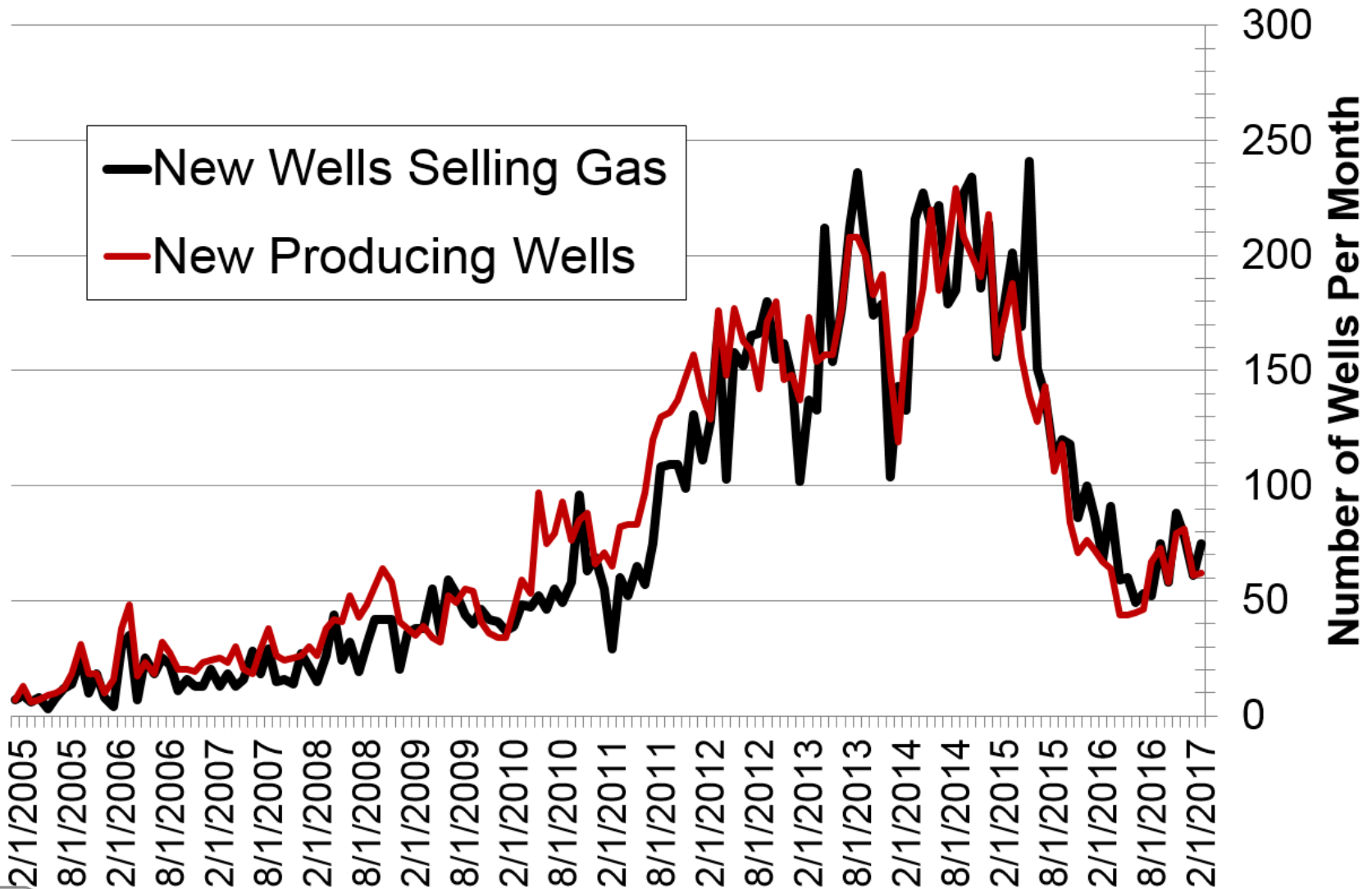
# Solving the Flaring Challenge



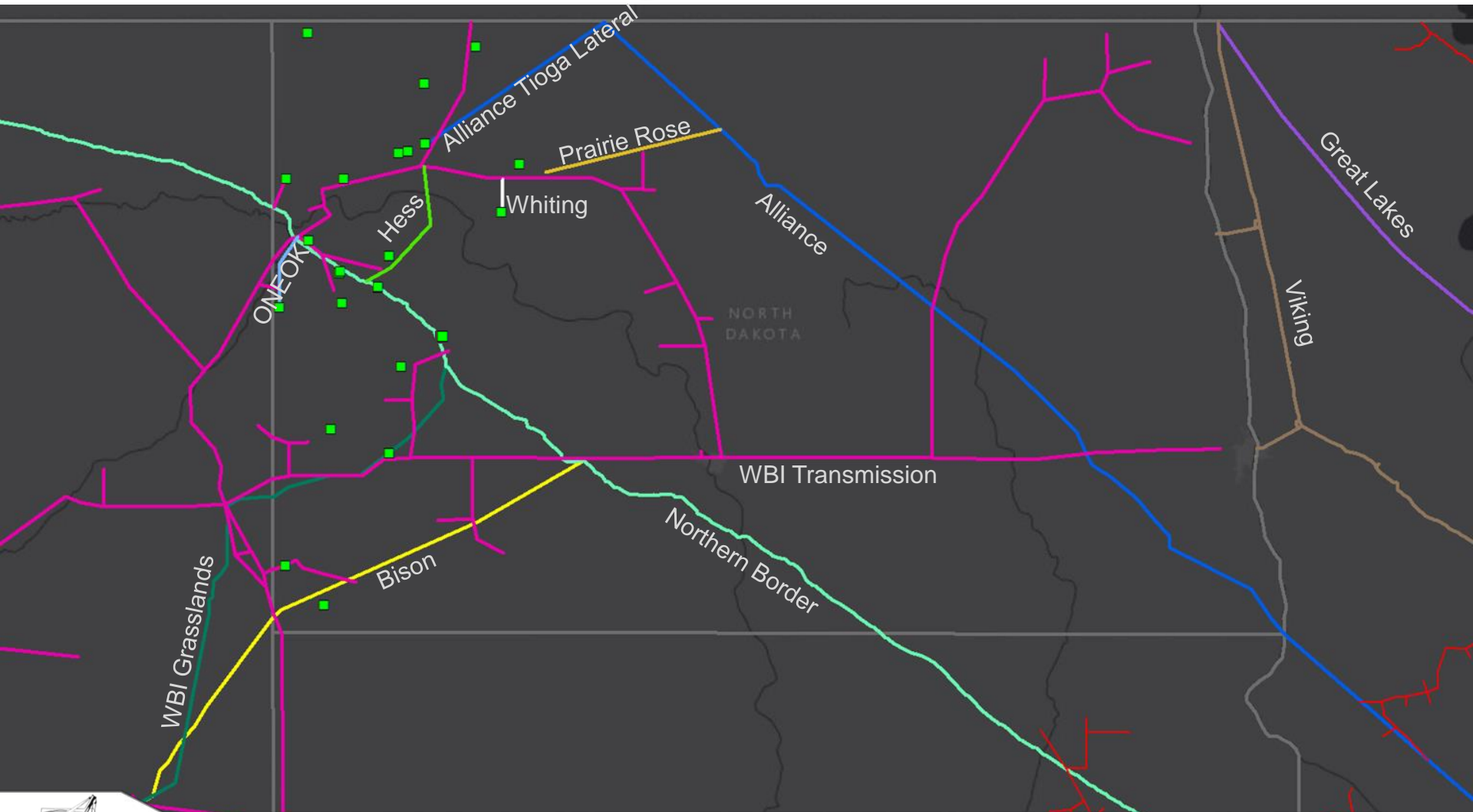




# Capturing the 2% Faster Well Connections

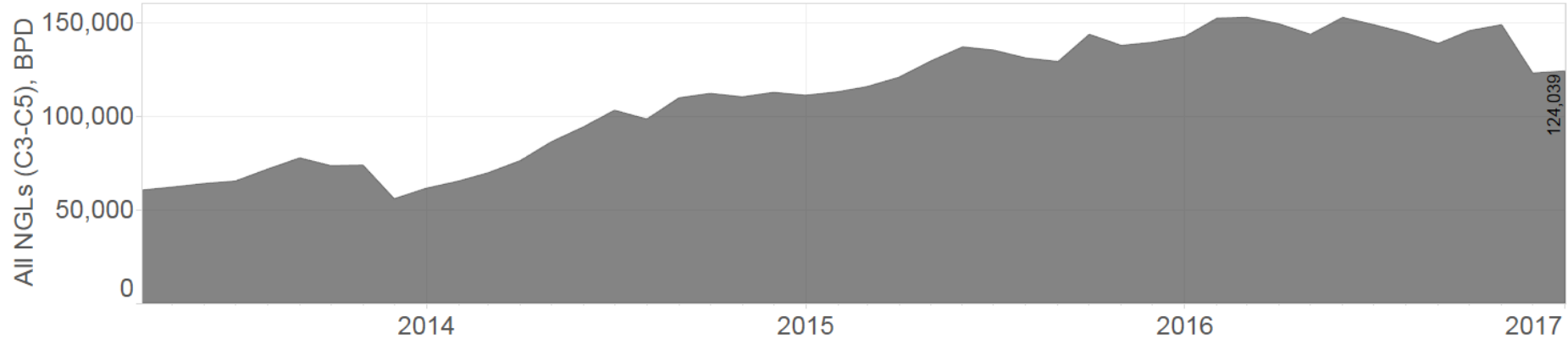


# Major Gas Pipeline and Processing Infrastructure

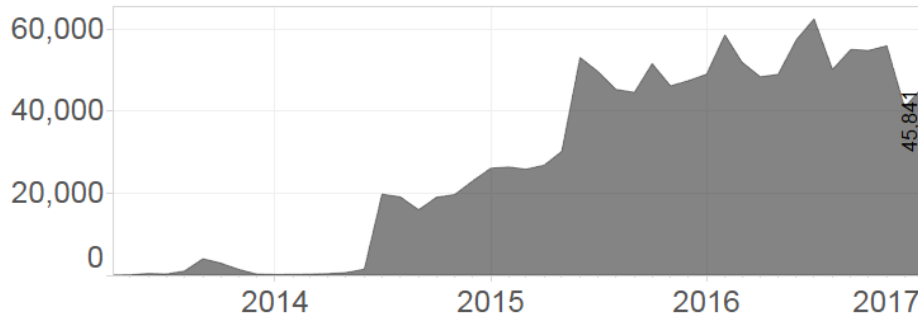


# Plant Natural Gas Liquids - (Jan 2017)

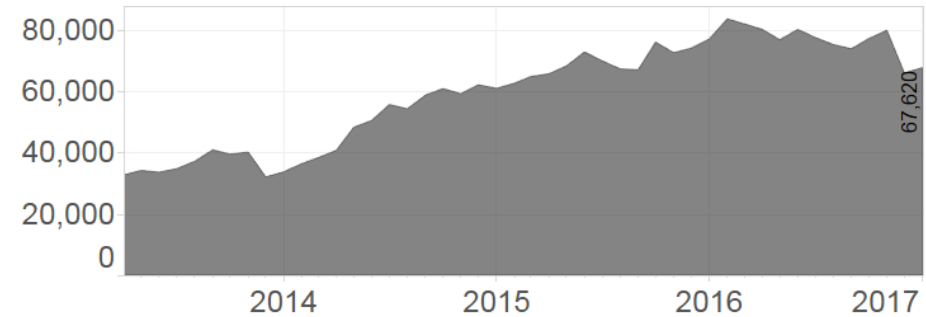
All NGLs, BPD



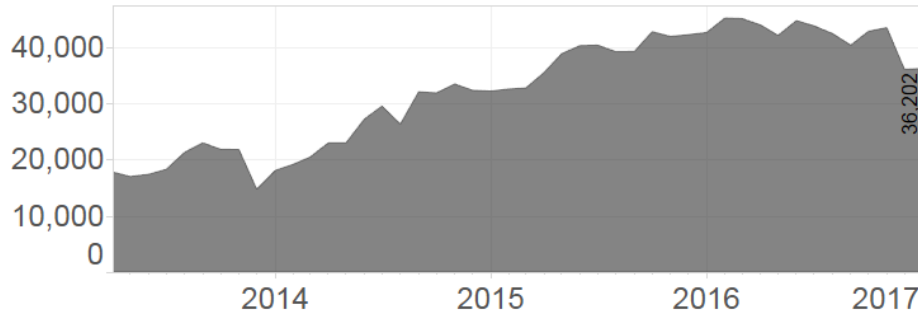
Ethane, BPD



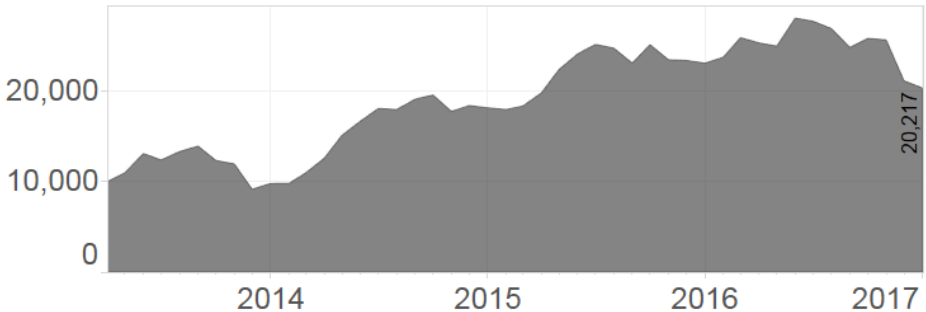
Propane, BPD



Butane, BPD



Natural Gasoline, BPD



# Contact Information

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