

# **December 2017 Monthly Update**

## **North Dakota Pipeline Authority**

### **Justin J. Kringstad**

**December 15, 2017**

# North Dakota Impact of Smaller Discount

- 2016 Weighted Average Discount: \$7.71
- June-October 2017 Wt. Average Discount: \$5.00
- \$2.71/BBL Improvement Post DAPL Commercial In-Service
  
- 164,873,243 Taxable Barrels In June-October 2017
- Wt. Avg. Tax Rate in June-October 2017: 9.74%

## Three Month Revenue Impact

- $9.74\% \times 164,873,243 \times \$2.71 =$

**\$43.5 Million Additional State Revenue  
When Compared to Avg. 2016 Discount**

**Does Not Include Royalty Owner  
and Industry Revenue Impact**

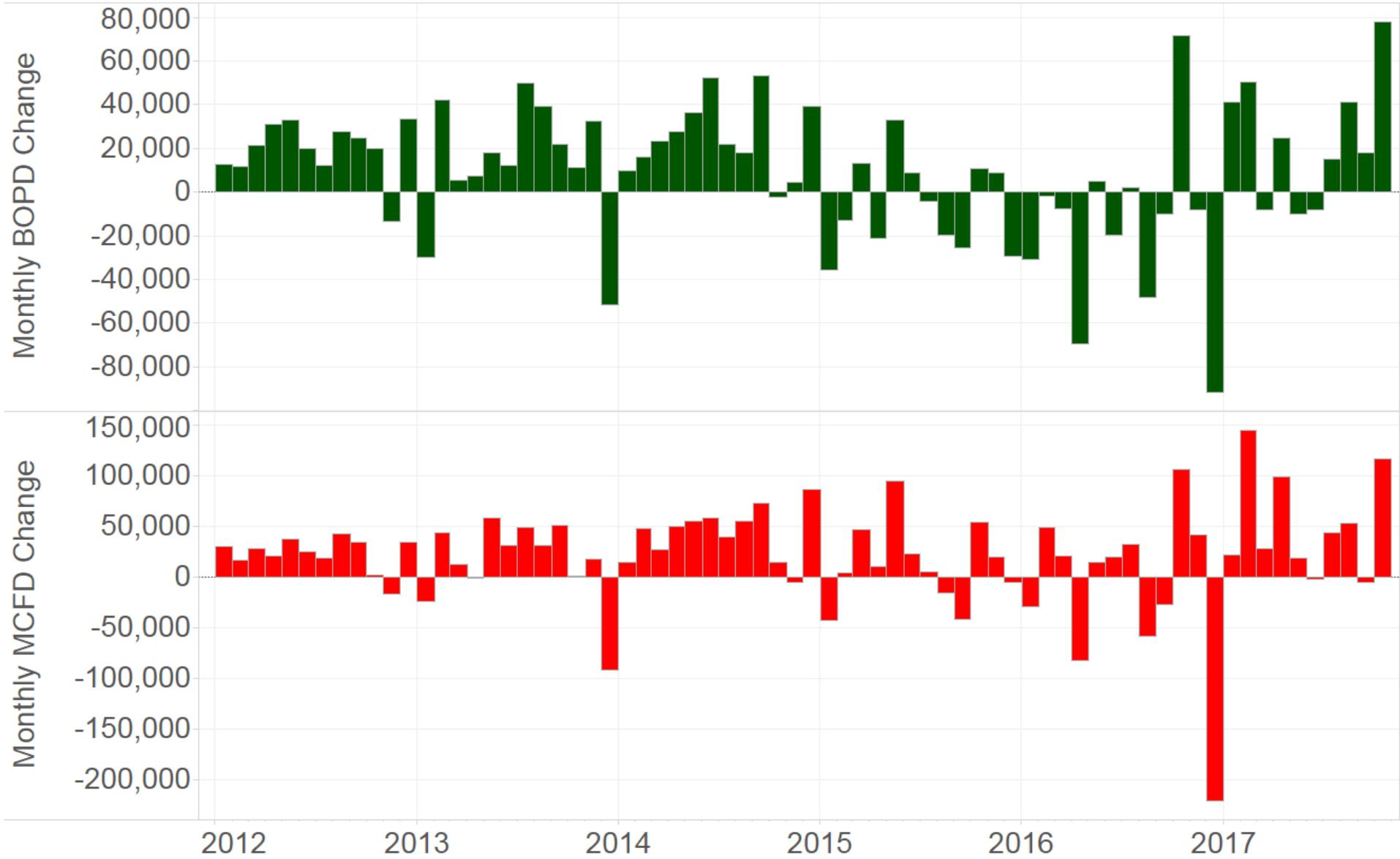


# US Williston Basin Oil Production - 2017

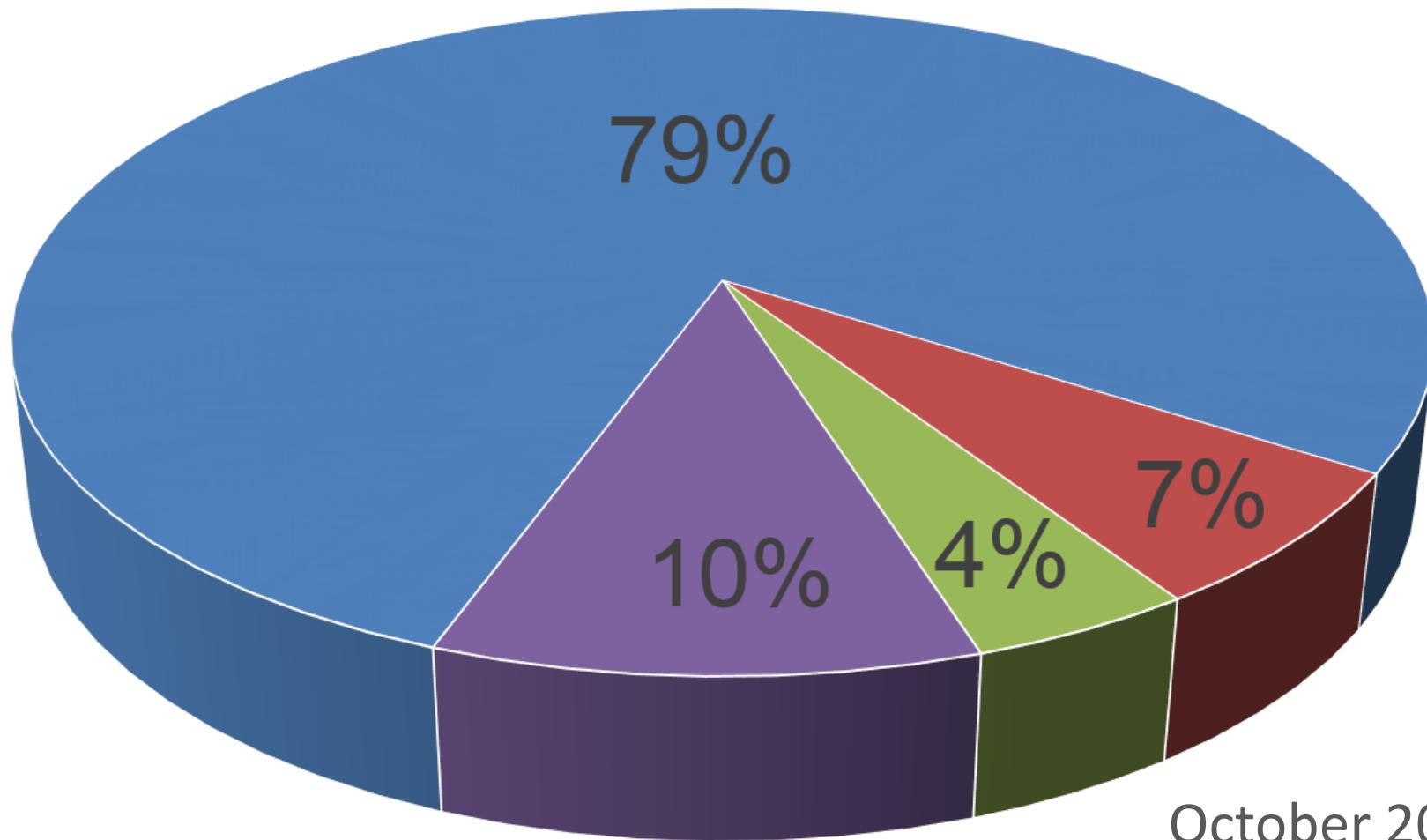
MONTH	ND	Eastern MT*	SD	TOTAL
January	983,886	52,727	3,553	1,040,166
February	1,034,122	53,959	3,718	1,091,799
March	1,025,926	52,901	3,705	1,082,531
April	1,050,890	52,504	3,768	1,107,162
May	1,040,666	52,969	3,389	1,097,024
June	1,032,920	52,906	3,563	1,089,389
July	1,048,556	49,972	3,529	1,102,057
August	1,089,317	49,216	3,565	1,142,098
September	1,107,345	49,670	3,568	1,160,583
October	1,185,499			
November				
December				



# Monthly Production Change



# Estimated Williston Basin Oil Transportation

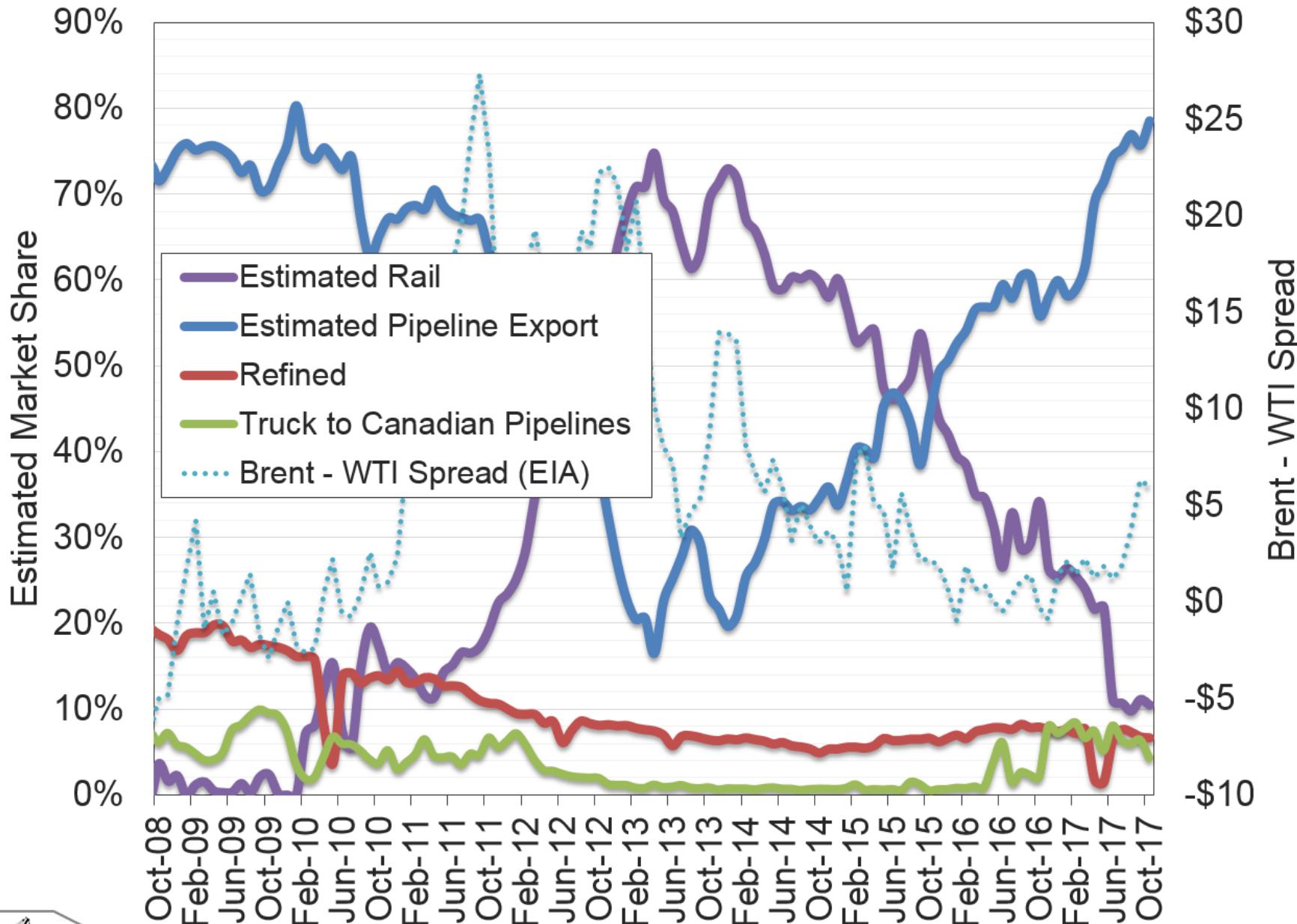


October 2017

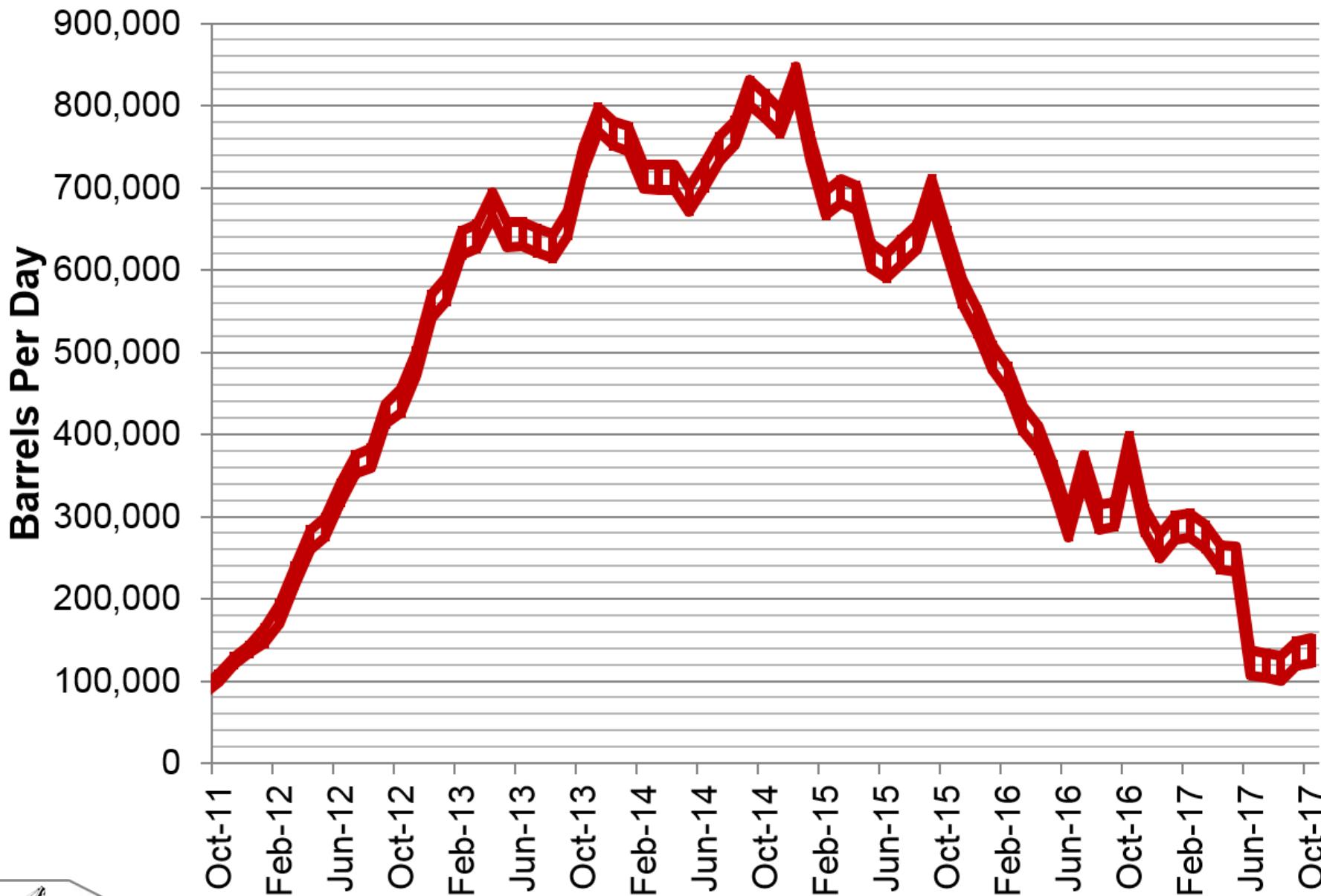
- Pipeline Export
- Truck to Canadian Pipelines
- Refined
- Estimated Rail



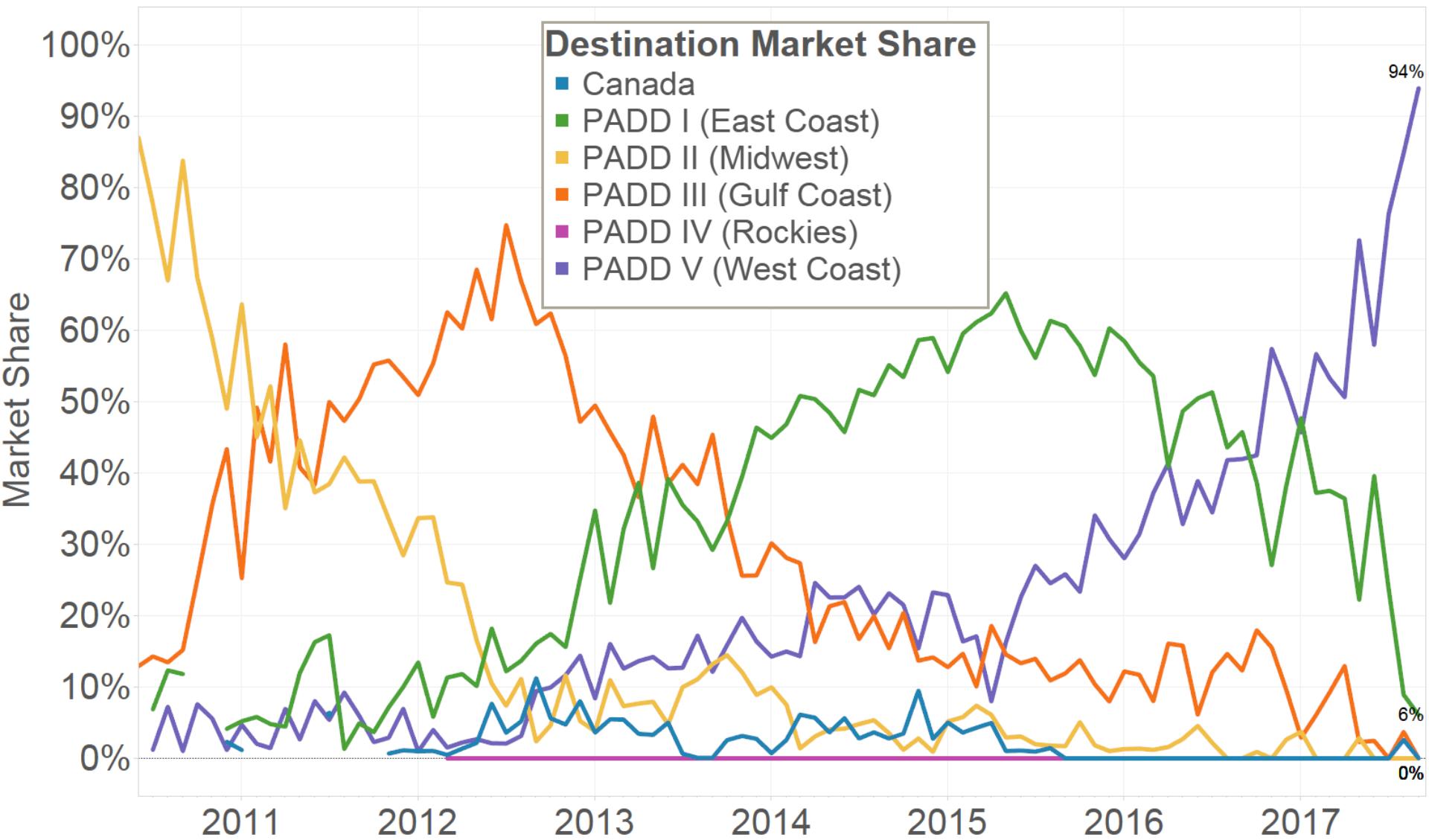
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



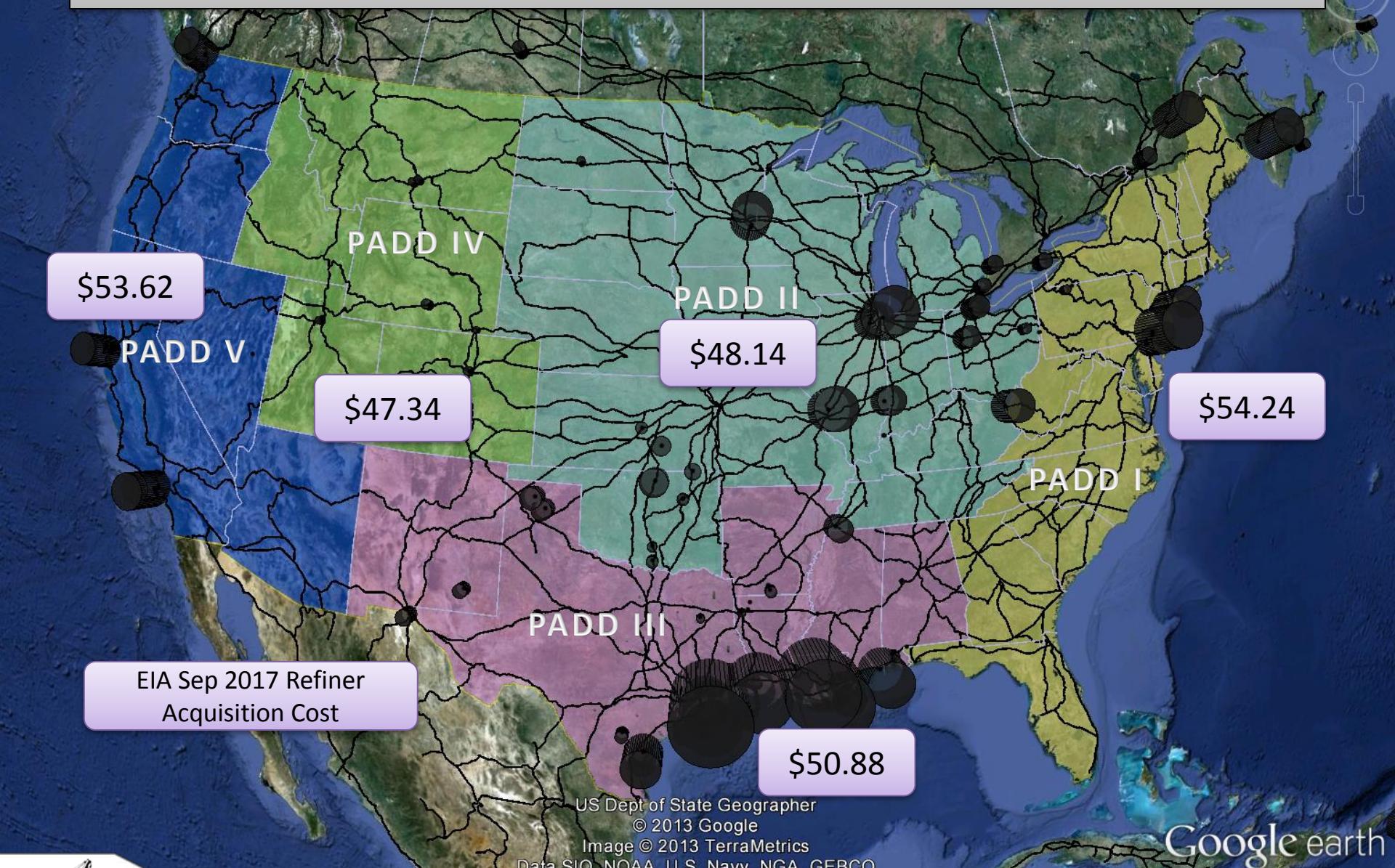
# Rail Destinations Market Share (Sep 2017)



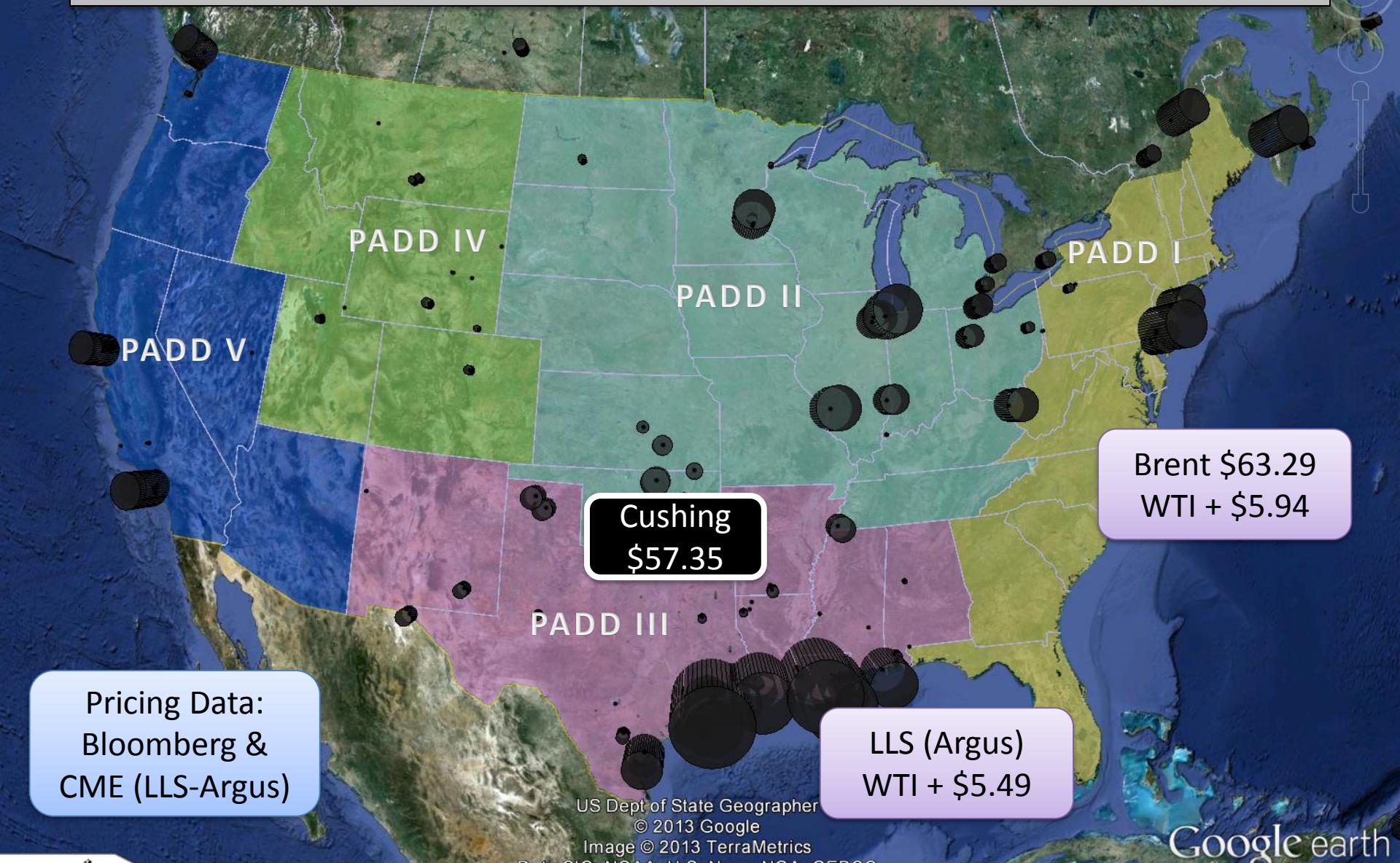
## **Data for Rail Destination Market Share Provided by the US Energy Information Administration**



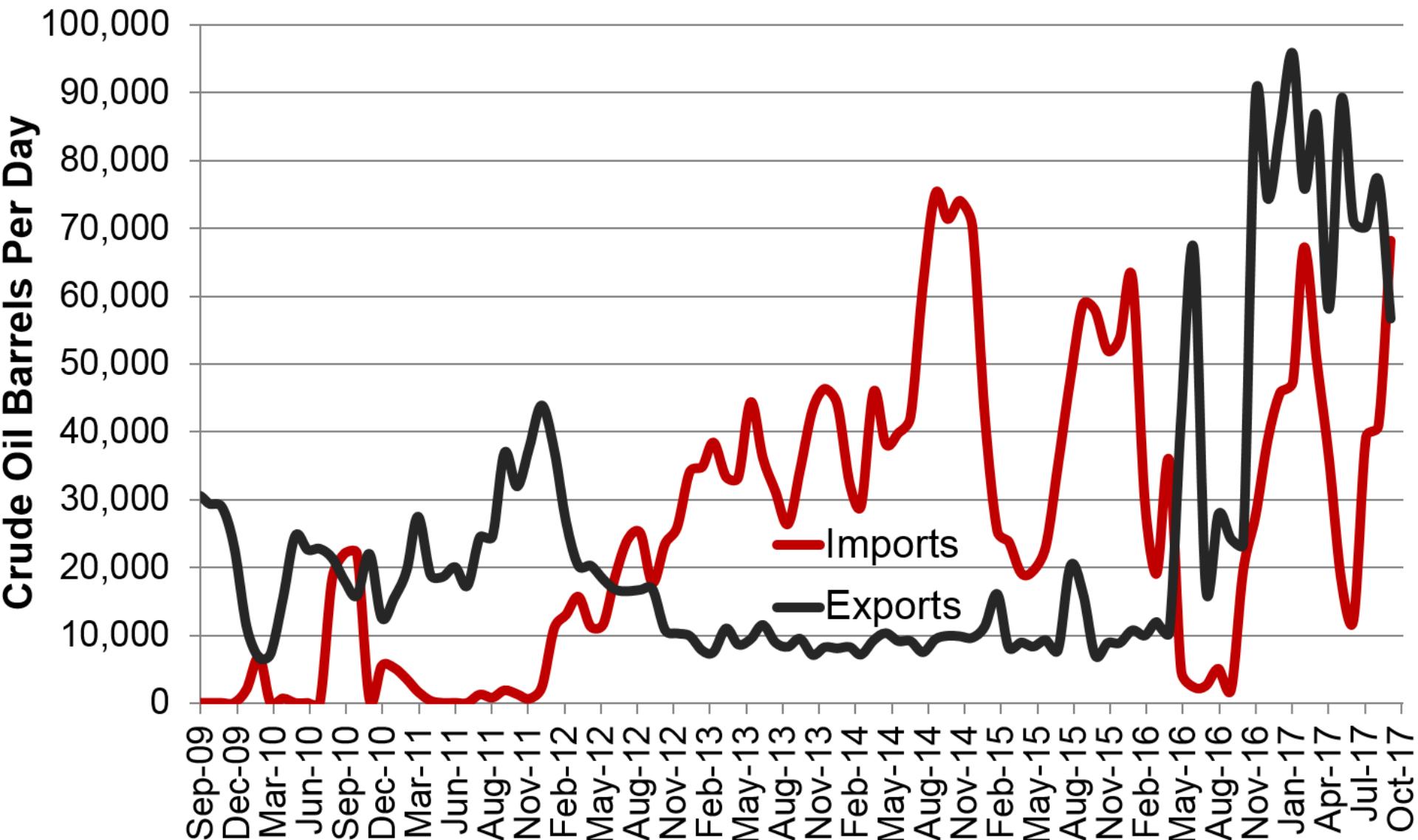
# Major Rail Lines and Refineries



# Crude Oil Prices – Dec. 15, 2017



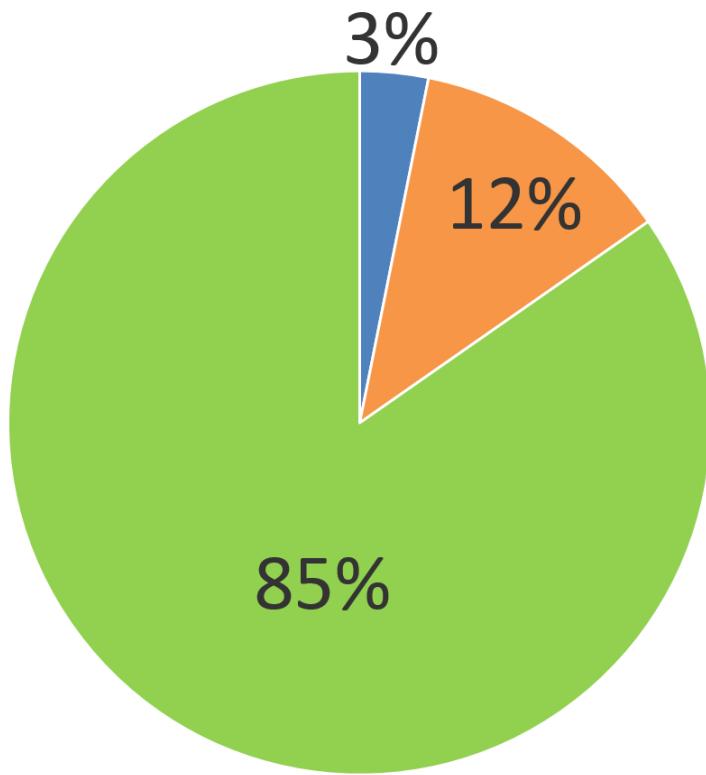
# Williston Basin Truck Imports and Exports with Canada



*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

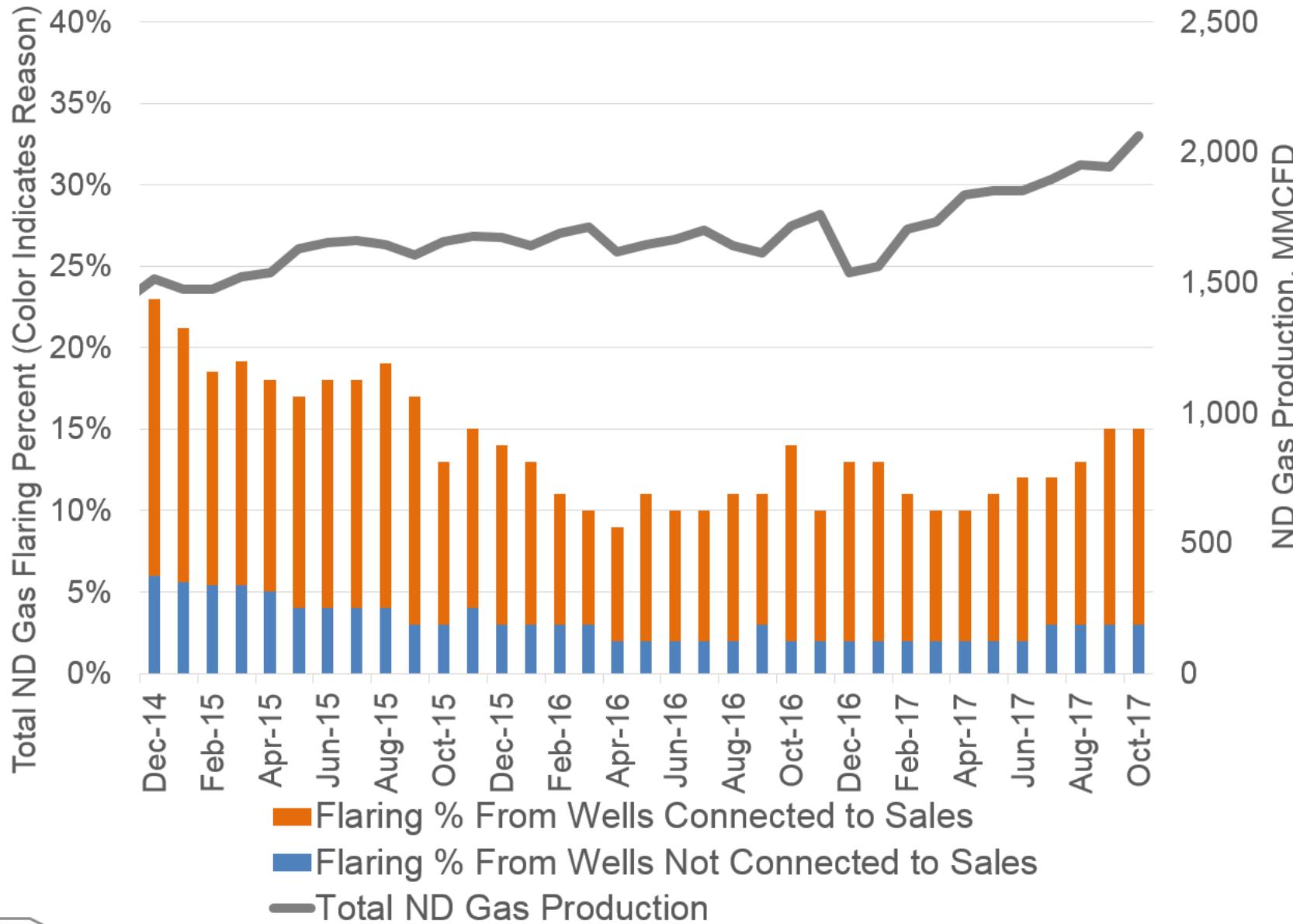
**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

Statewide

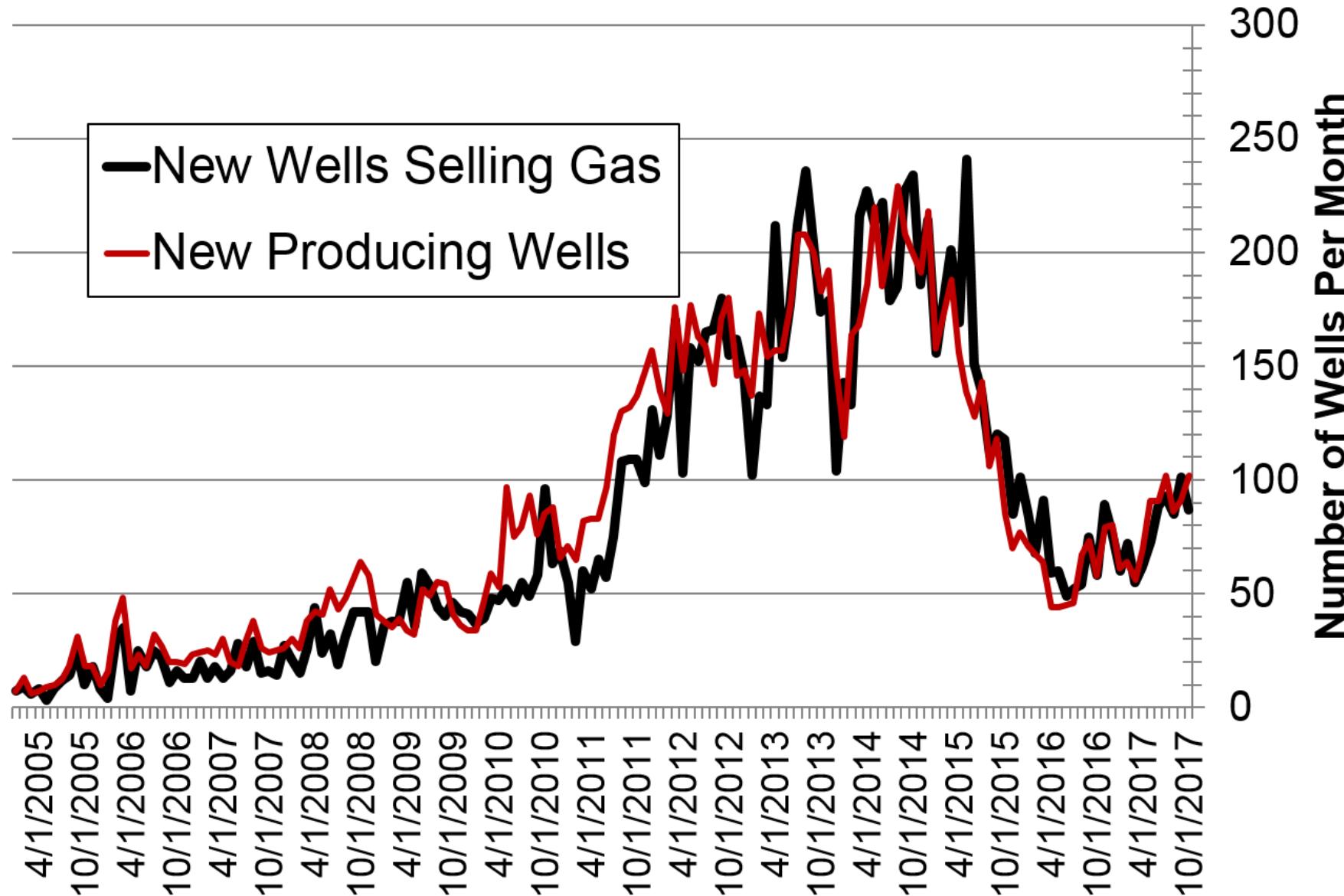
Oct 2017 Data – Non-Confidential Wells



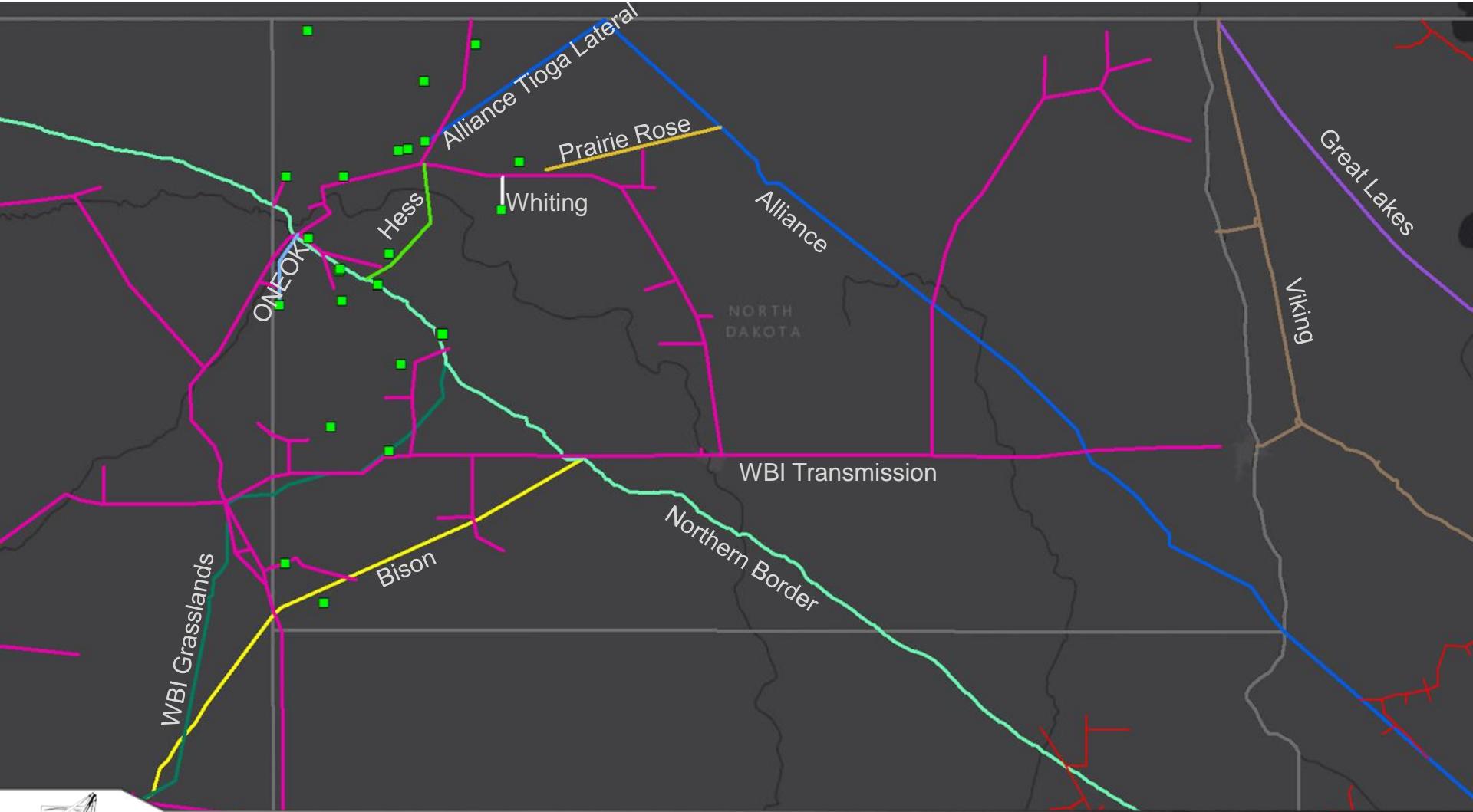
# Solving the Flaring Challenge



# Solving the Flaring Challenge

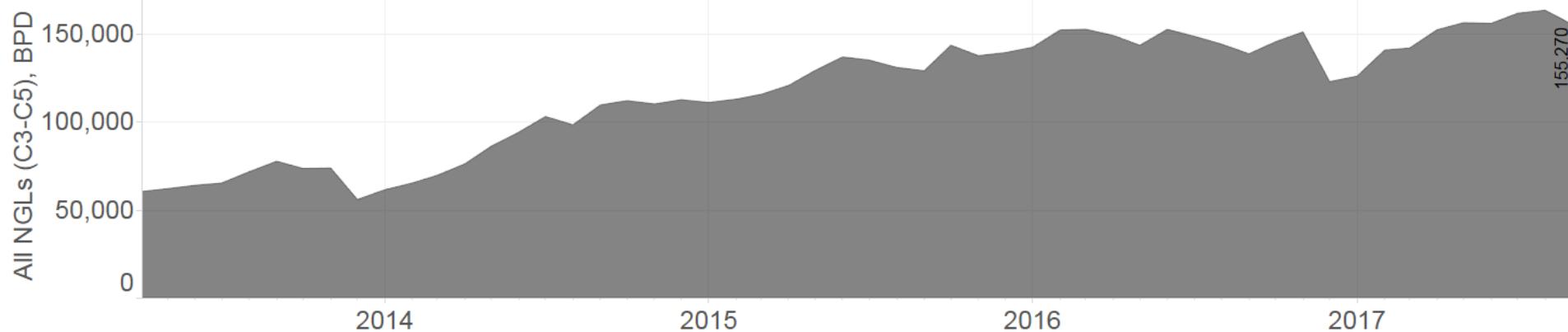


# Major Gas Pipeline and Processing Infrastructure

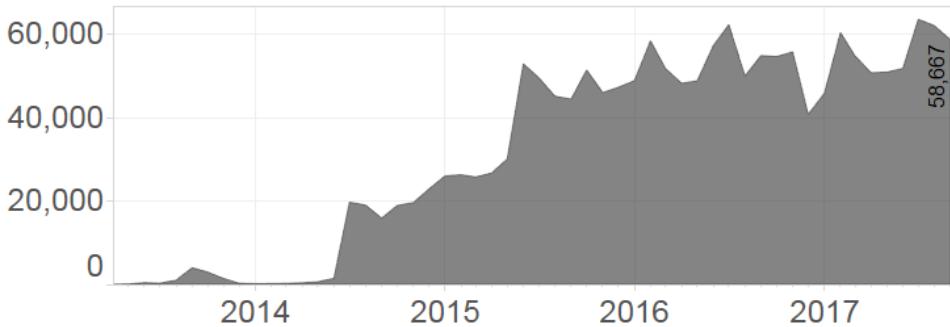


# Plant Natural Gas Liquids - (Sep 2017)

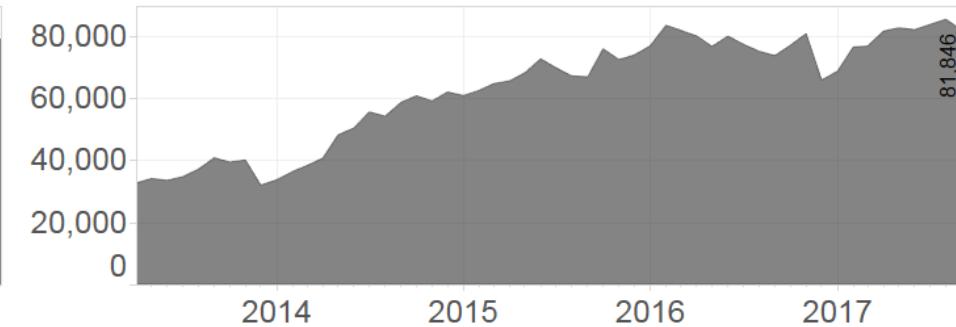
All NGLs, BPD



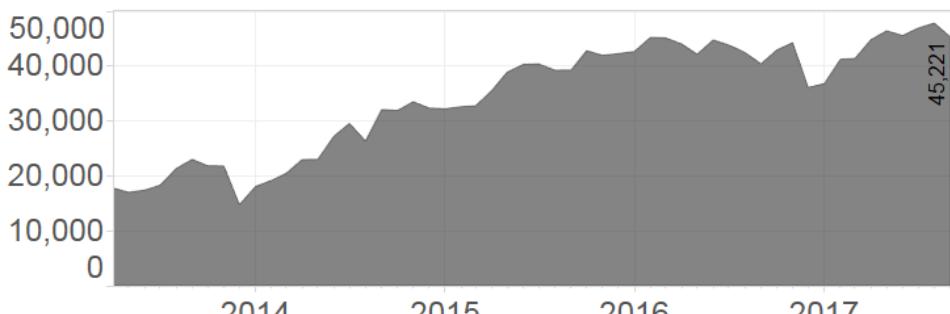
Ethane, BPD



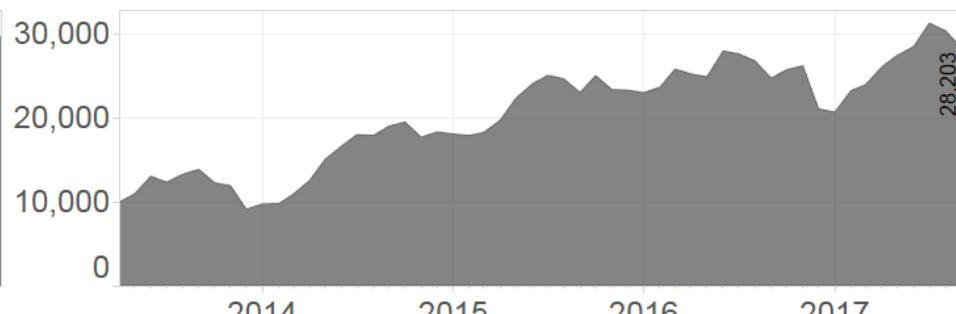
Propane, BPD



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

Websites:

[www.pipeline.nd.gov](http://www.pipeline.nd.gov)

[www.northdakotapipelines.com](http://www.northdakotapipelines.com)

