



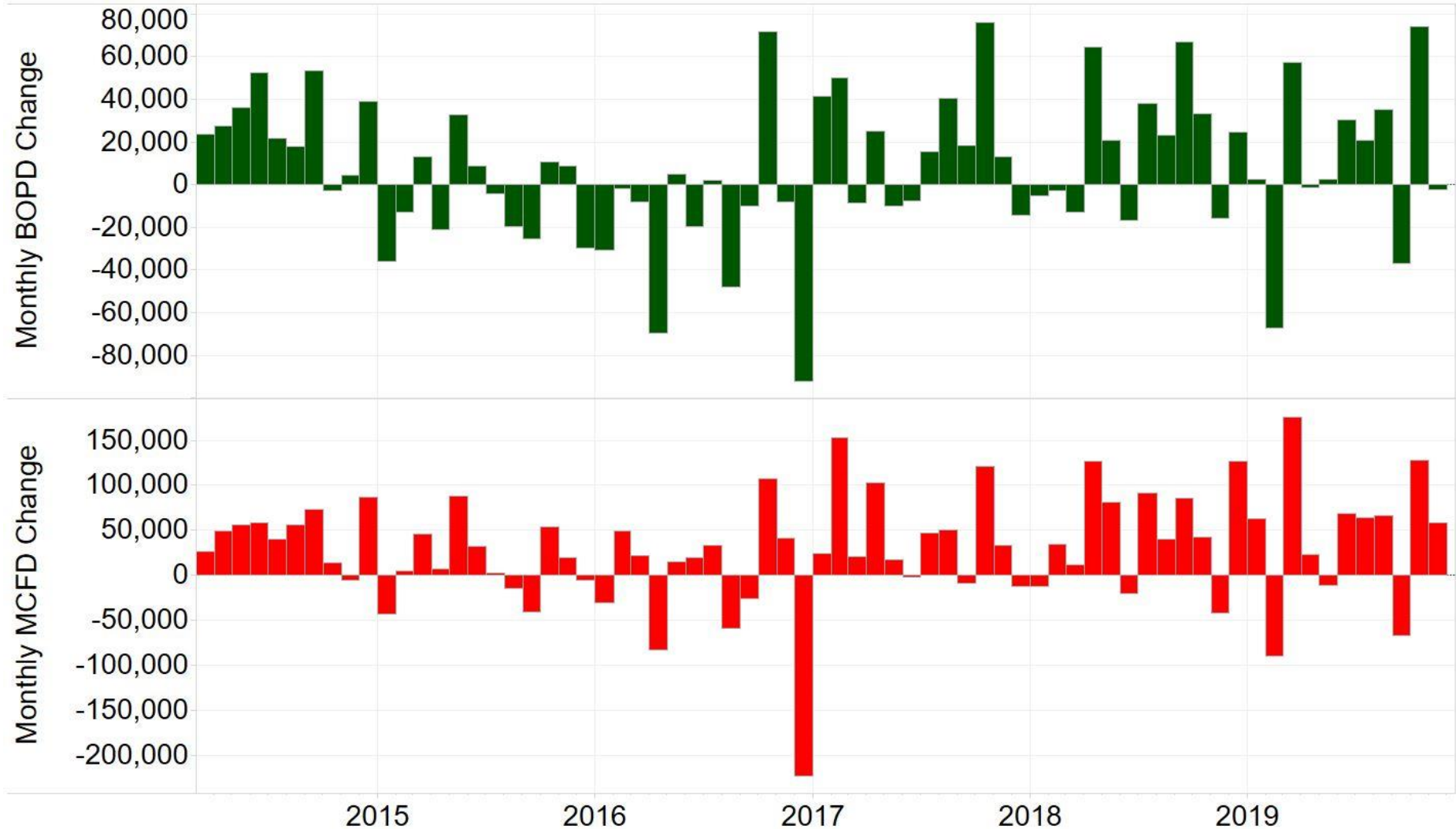
**January 2020 Monthly Update**  
**North Dakota Pipeline Authority**  
**Justin J. Kringstad**  
**January 17, 2020**

# US Williston Basin Oil Production - 2019

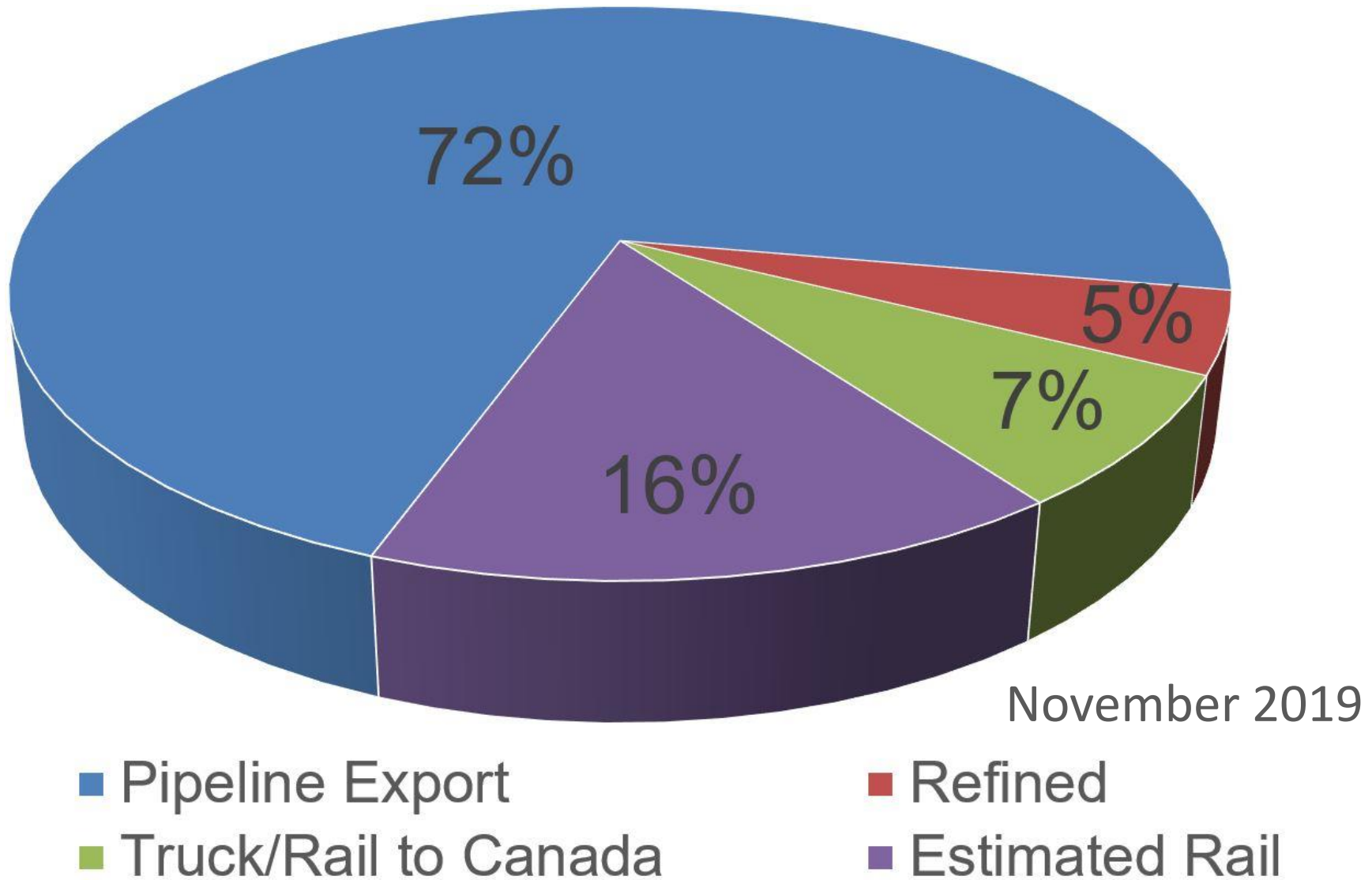
<b>MONTH</b>	<b>ND</b>	<b>Eastern MT*</b>	<b>SD</b>	<b>TOTAL</b>
January	1,403,887	57,565	3,276	1,464,728
February	1,336,672	54,660	3,339	1,394,671
March	1,394,130	56,222	3,256	1,453,608
April	1,392,557	57,678	3,231	1,453,465
May	1,395,030	57,980	3,092	1,456,102
June	1,425,216	47,865	3,122	1,476,203
July	1,445,858	44,688	3,128	1,451,994
August	1,481,027	41,466	3,124	1,525,617
September	1,443,980		3,059	
October	1,517,936		3,052	
November	1,515,404			
December				



# Monthly Production Change

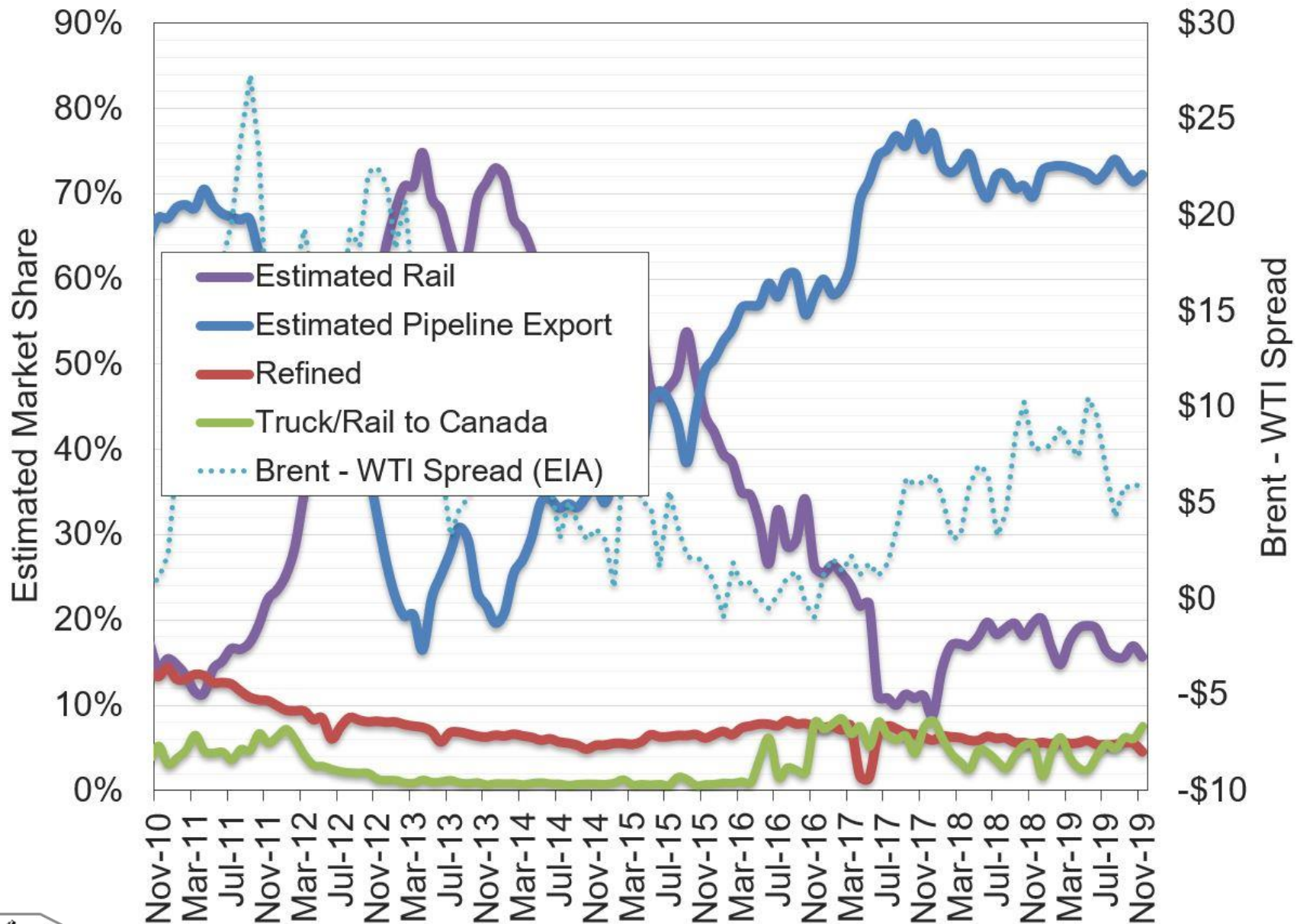


# Estimated Williston Basin Oil Transportation





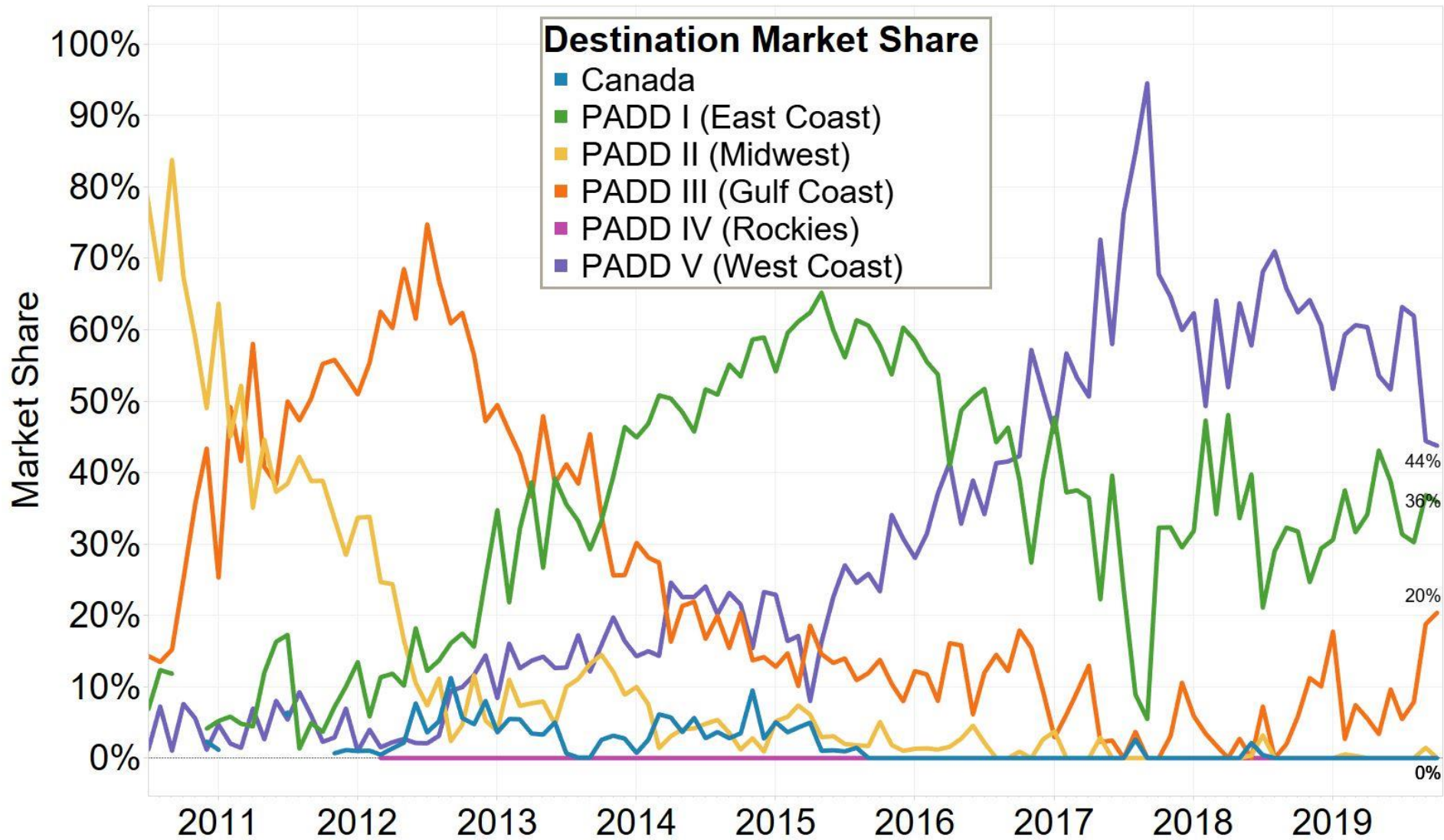
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (Oct 2019)

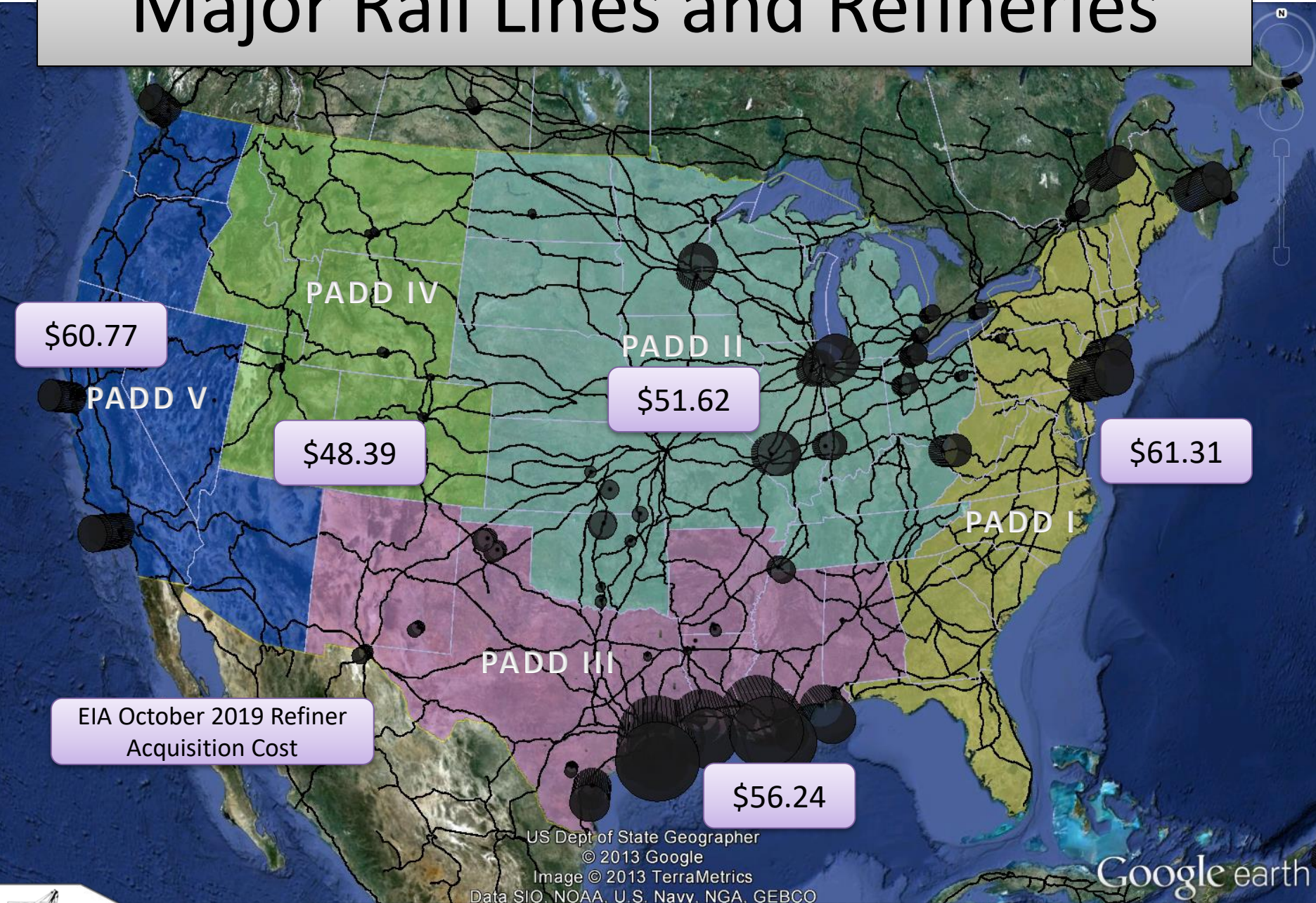


*Data for Rail Destination Market Share Provided by the US Energy Information Administration*



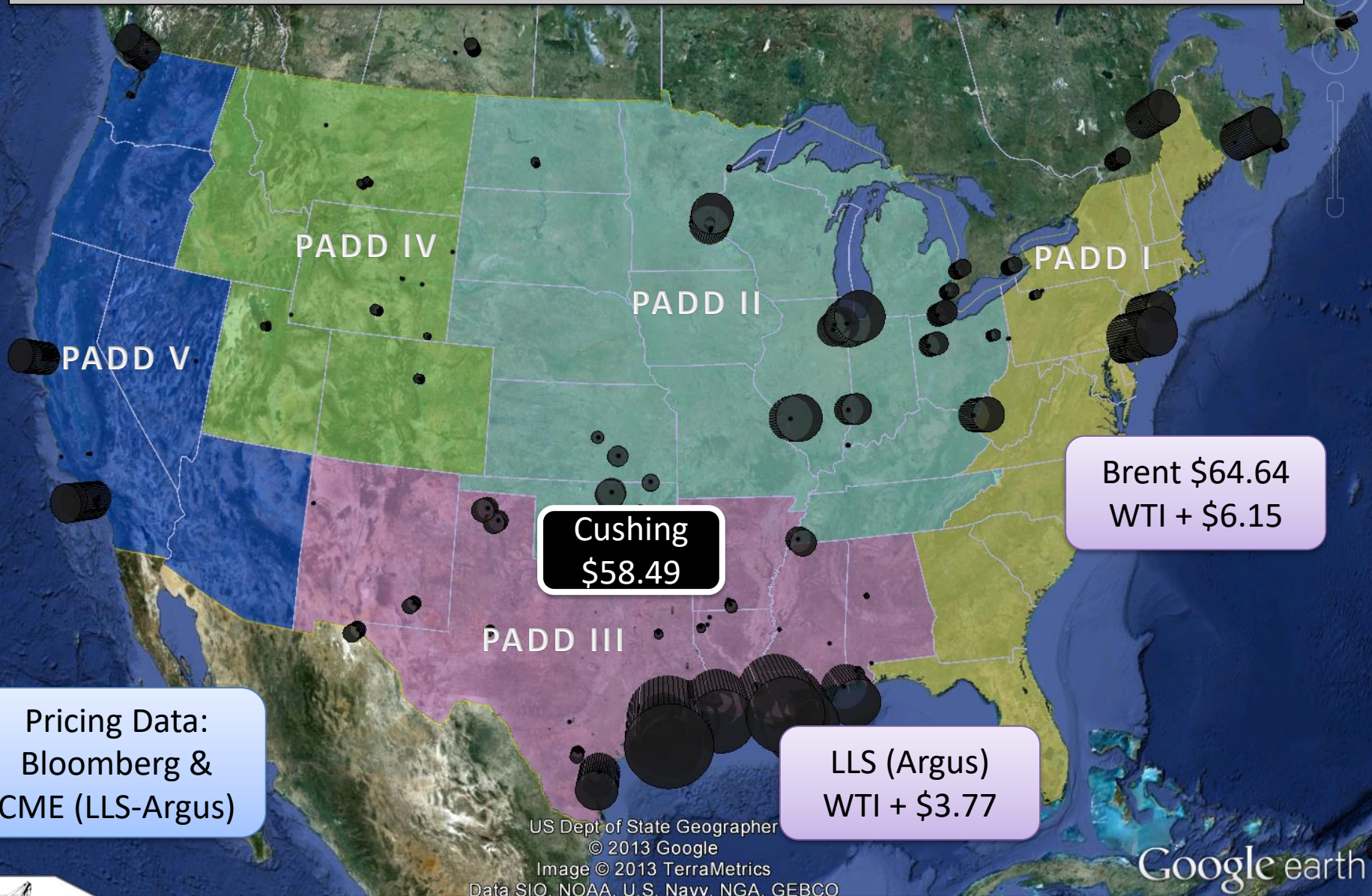


# Major Rail Lines and Refineries

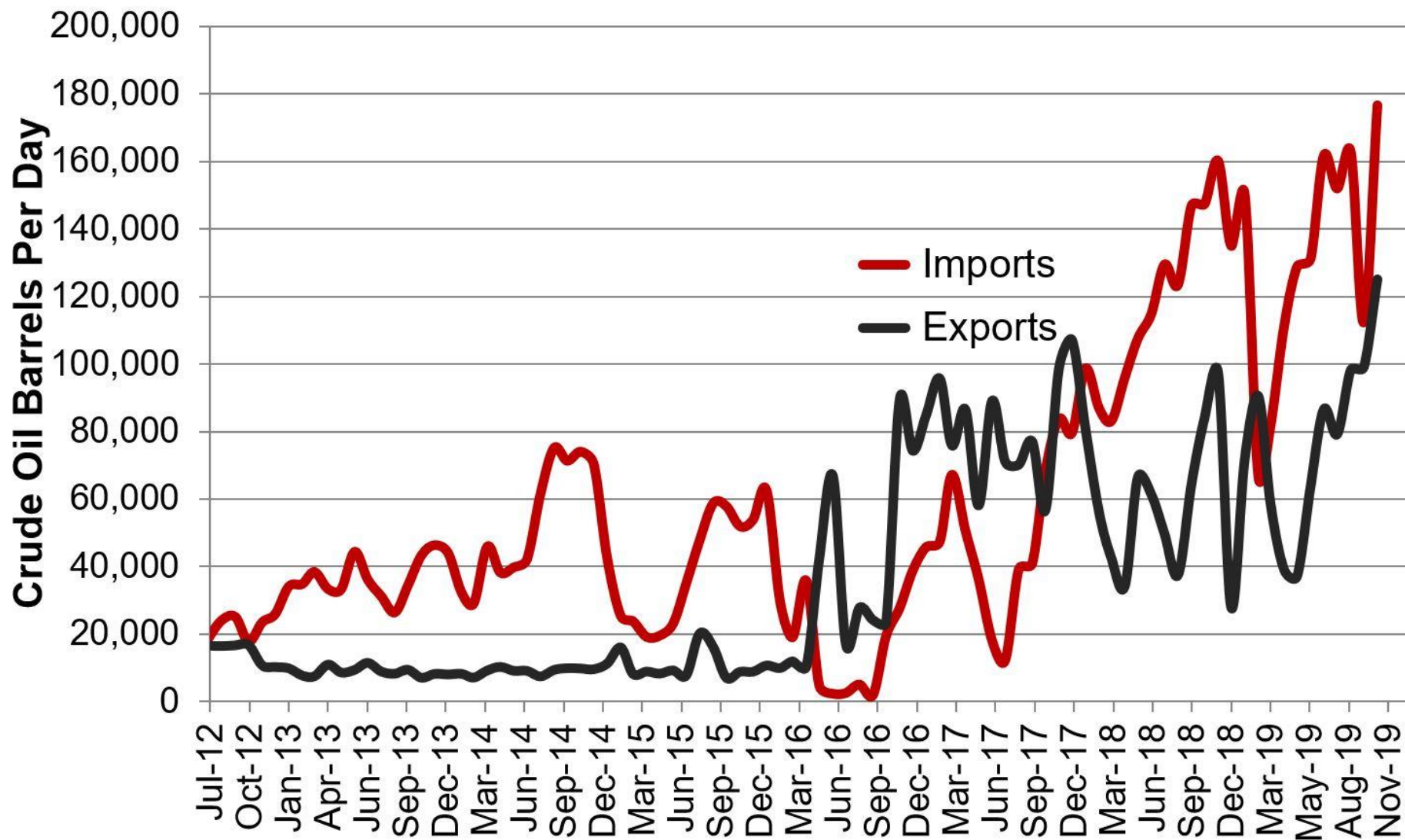




# Crude Oil Prices – Jan. 17, 2019



# Williston Basin Truck/Rail Imports and Exports with Canada

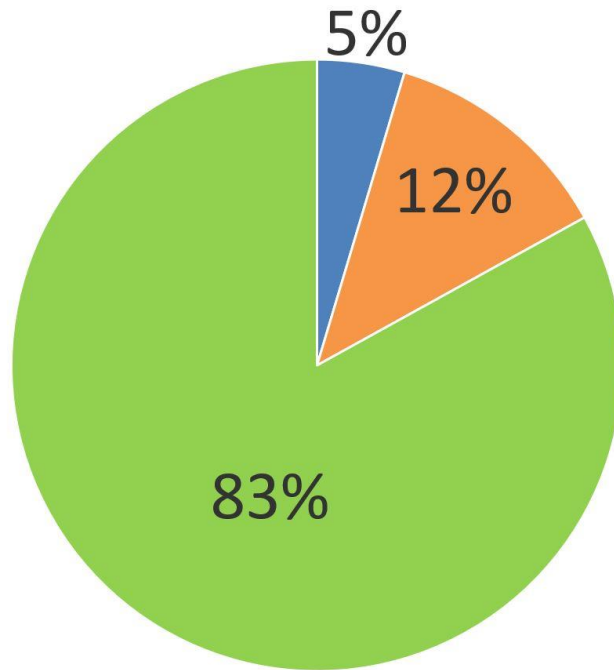


***Data for imports/exports chart is provided by the US International Trade Commission and represents traffic across US/Canada border in the Williston Basin area.***





# 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

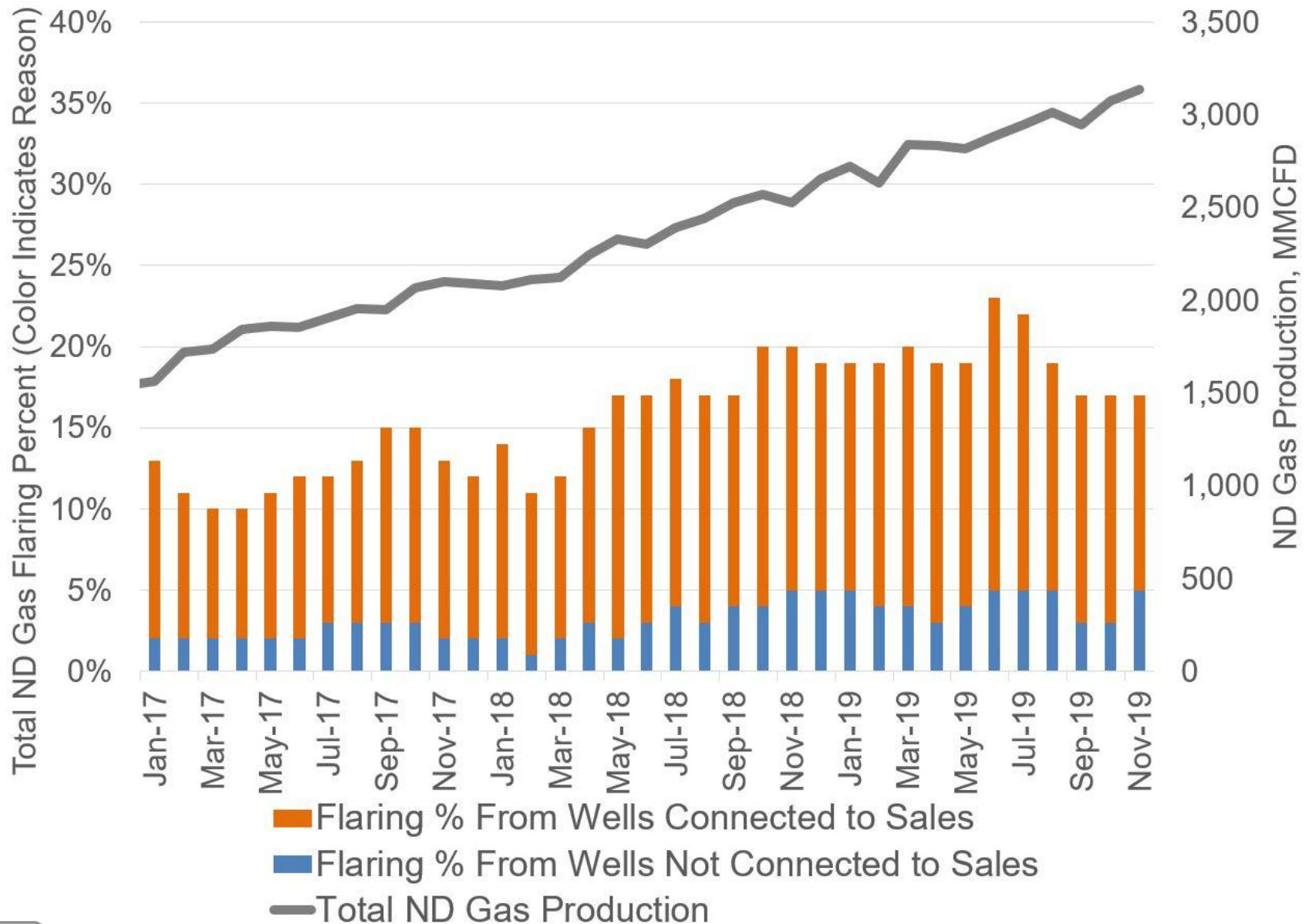
**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

Nov. 2019 Data – Non-Confidential Wells

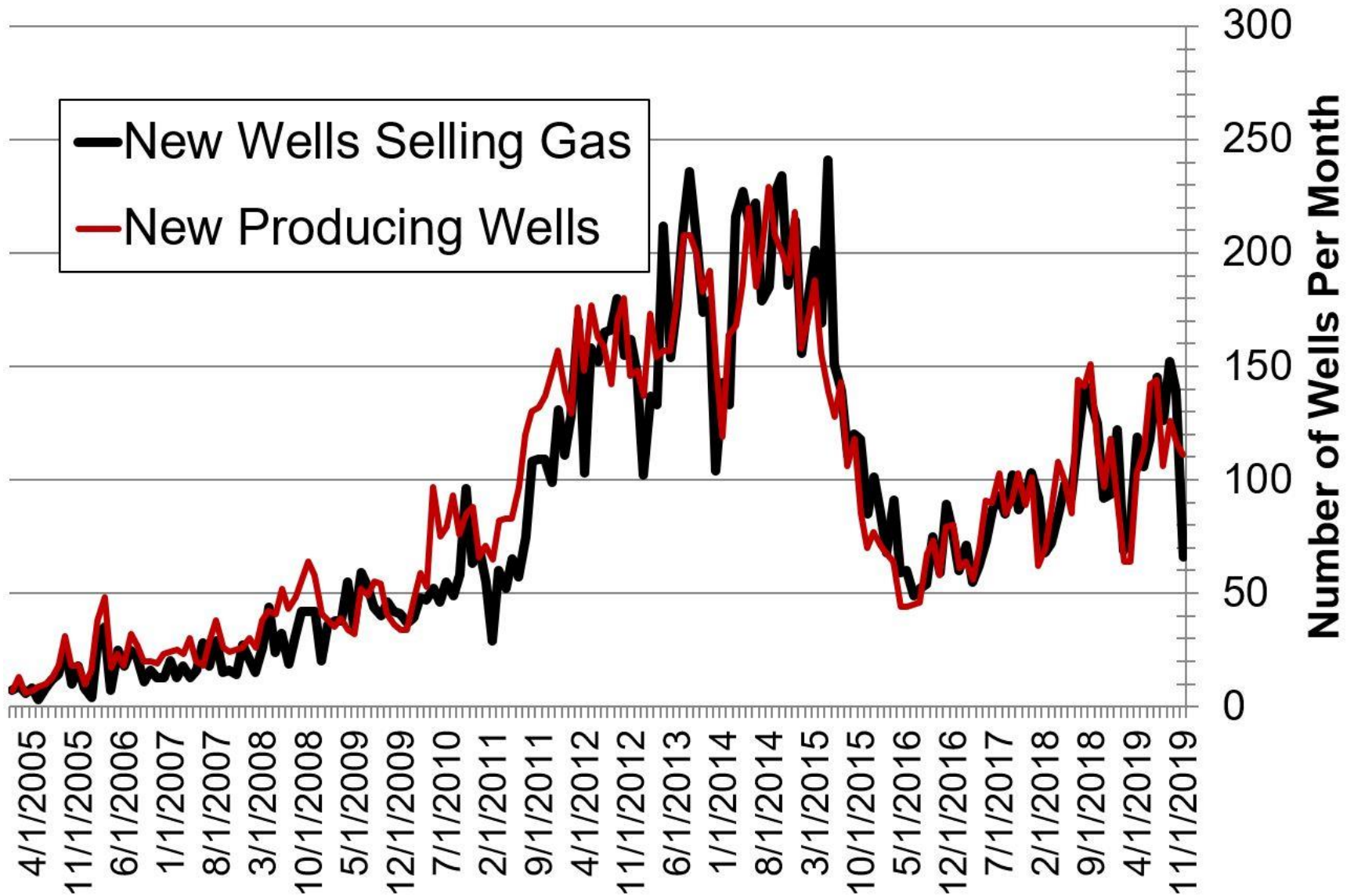




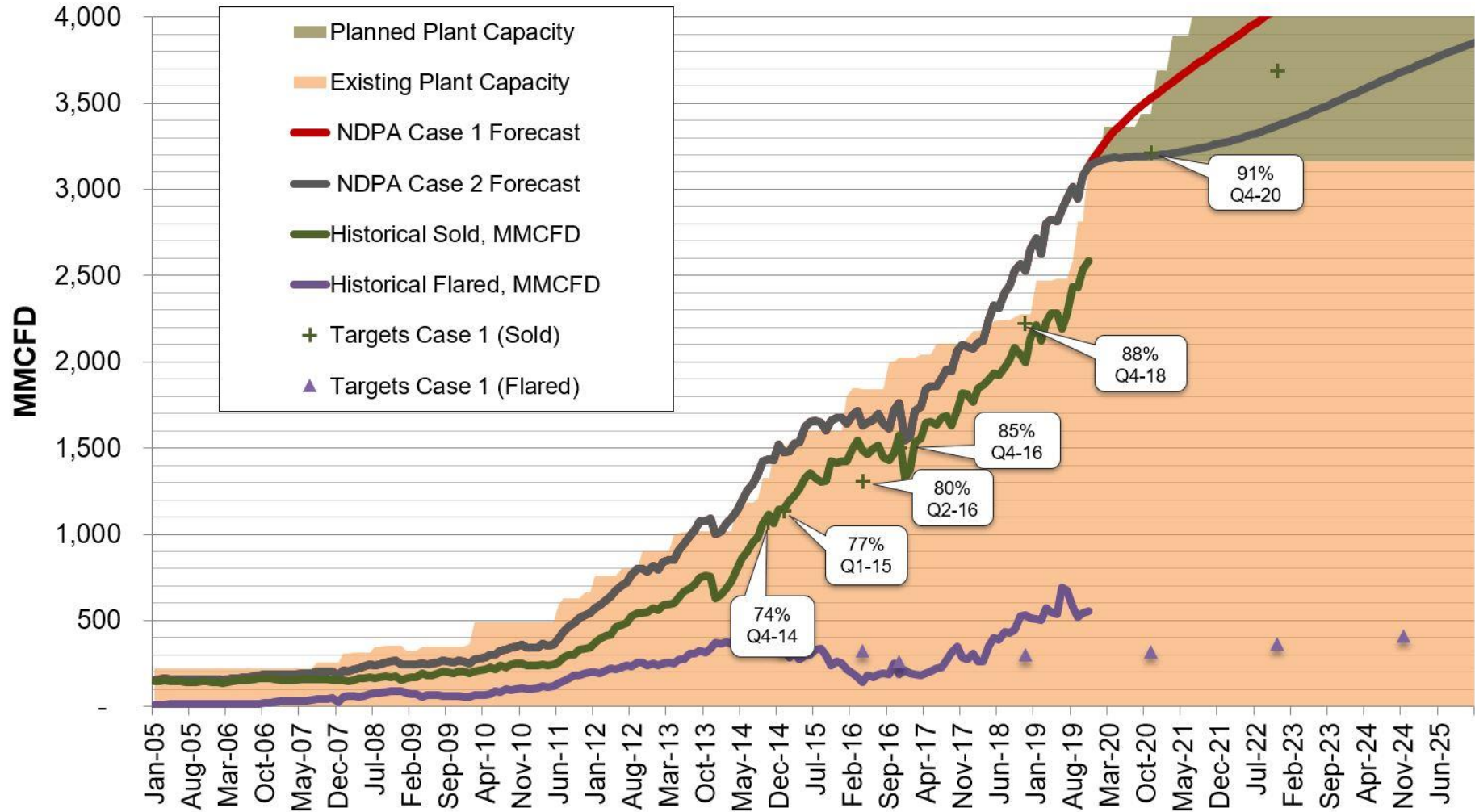
# Solving the Flaring Challenge



# Solving the Flaring Challenge

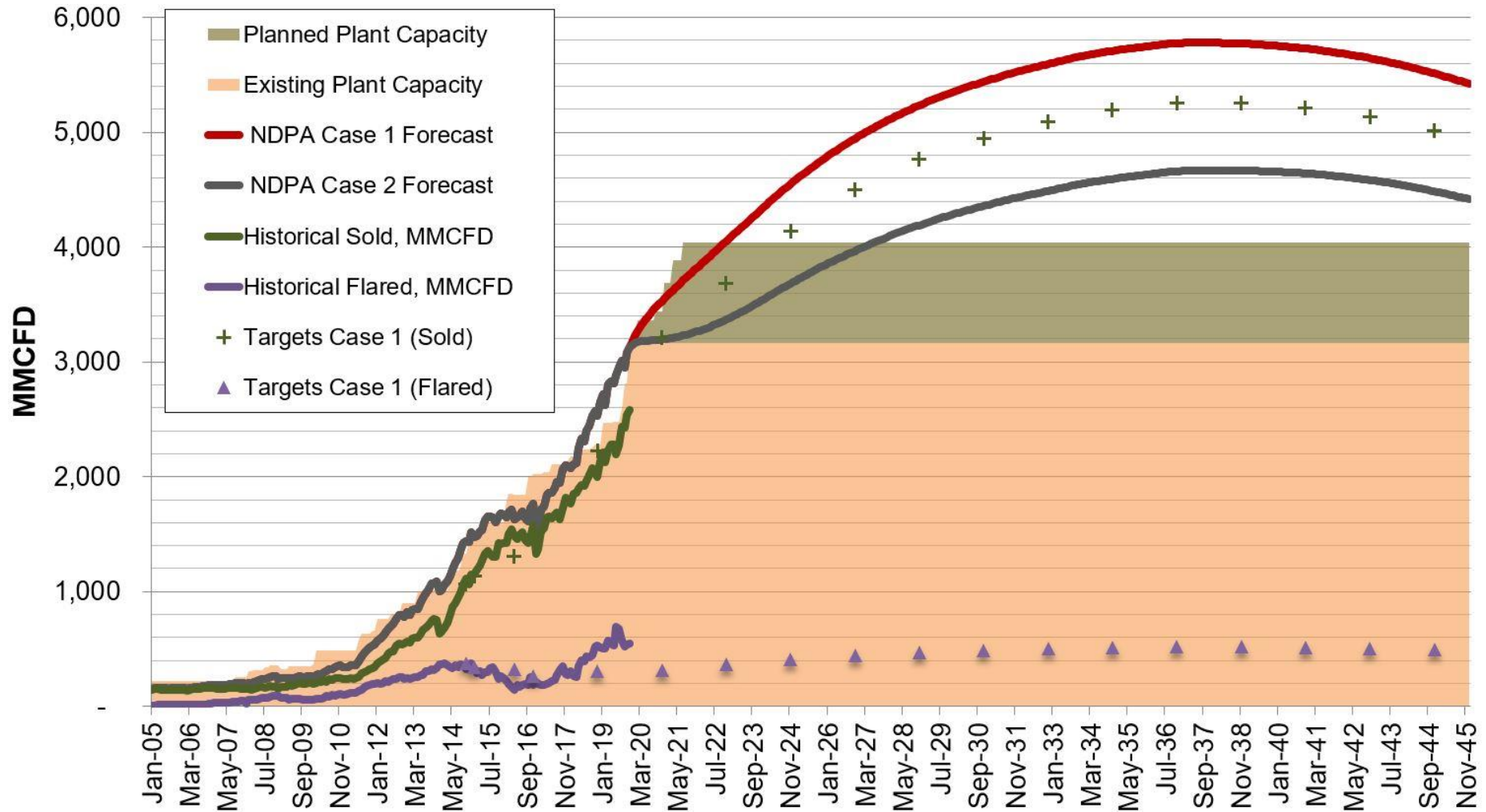


# Solving the Flaring Challenge





# Solving the Flaring Challenge



# Contact Information

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