



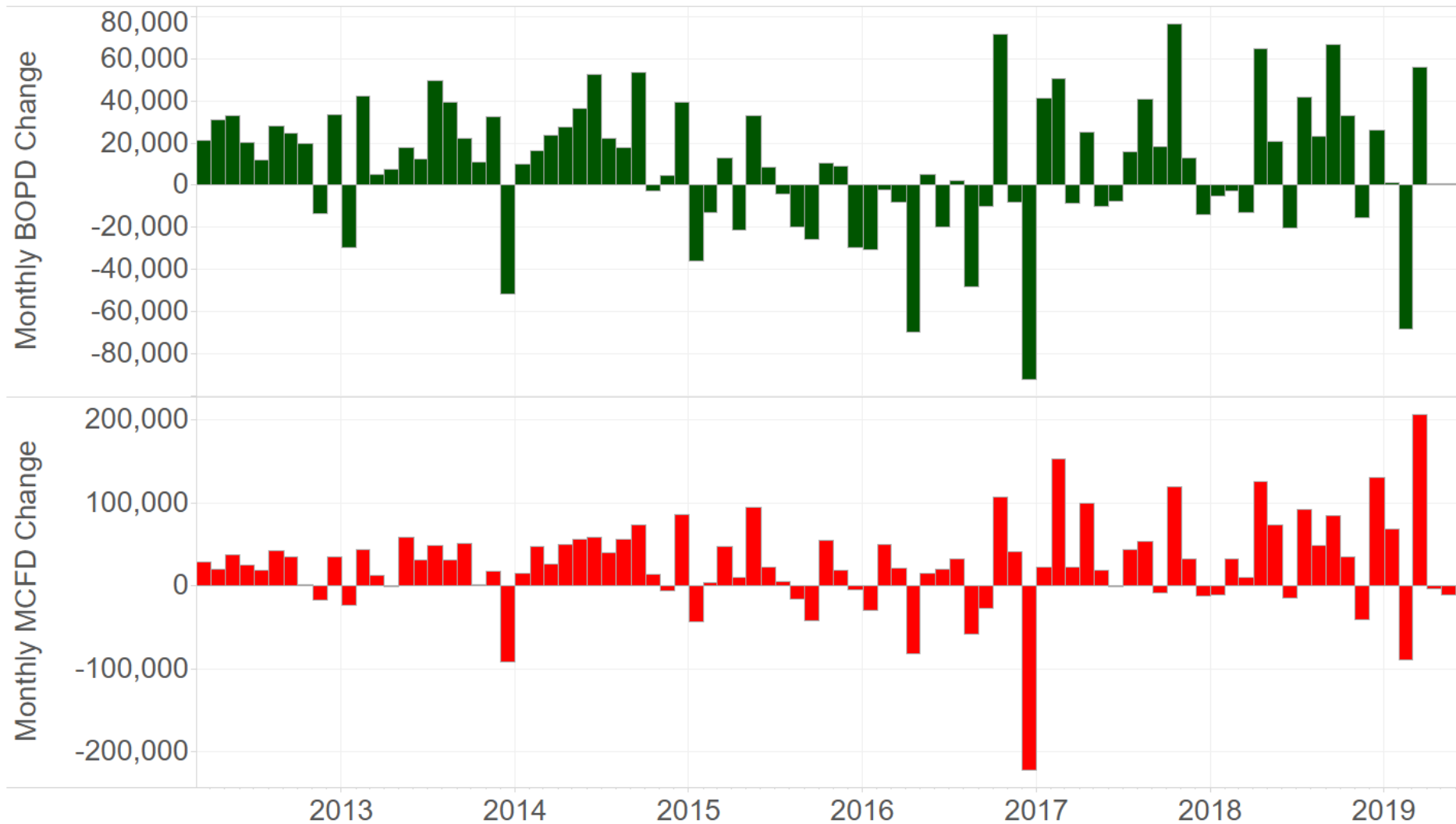
**July 2019 Monthly Update**  
**North Dakota Pipeline Authority**  
**Justin J. Kringstad**  
**July 16, 2019**

# US Williston Basin Oil Production - 2019

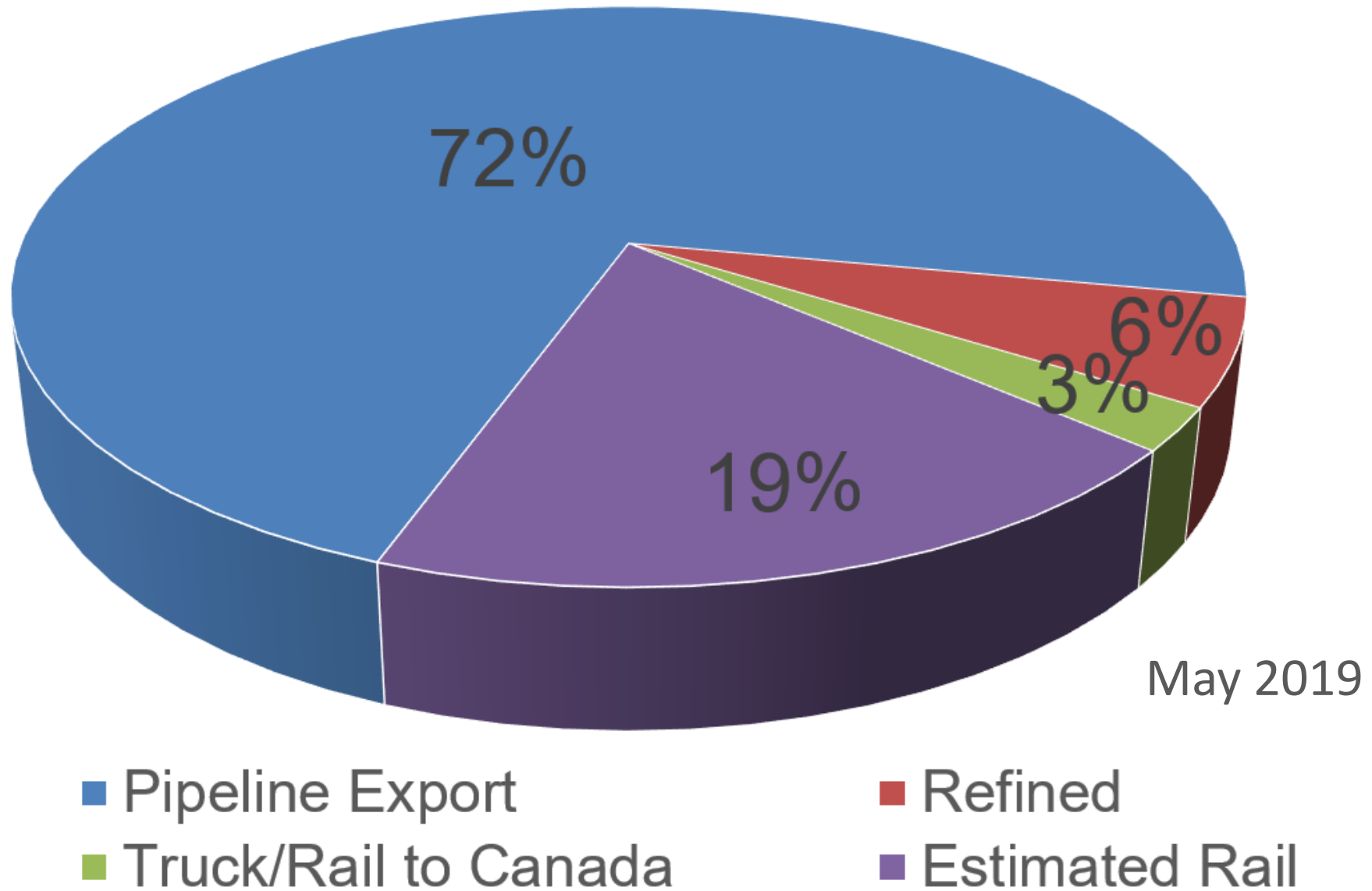
<b>MONTH</b>	<b>ND</b>	<b>Eastern MT*</b>	<b>SD</b>	<b>TOTAL</b>
January	1,403,844	57,534	3,276	1,464,654
February	1,336,633	54,581	3,339	1,394,553
March	1,391,760	54,994	3,256	1,450,010
April	1,392,485	48,761	3,231	1,444,477
May	1,393,284			
June				
July				
August				
September				
October				
November				
December				



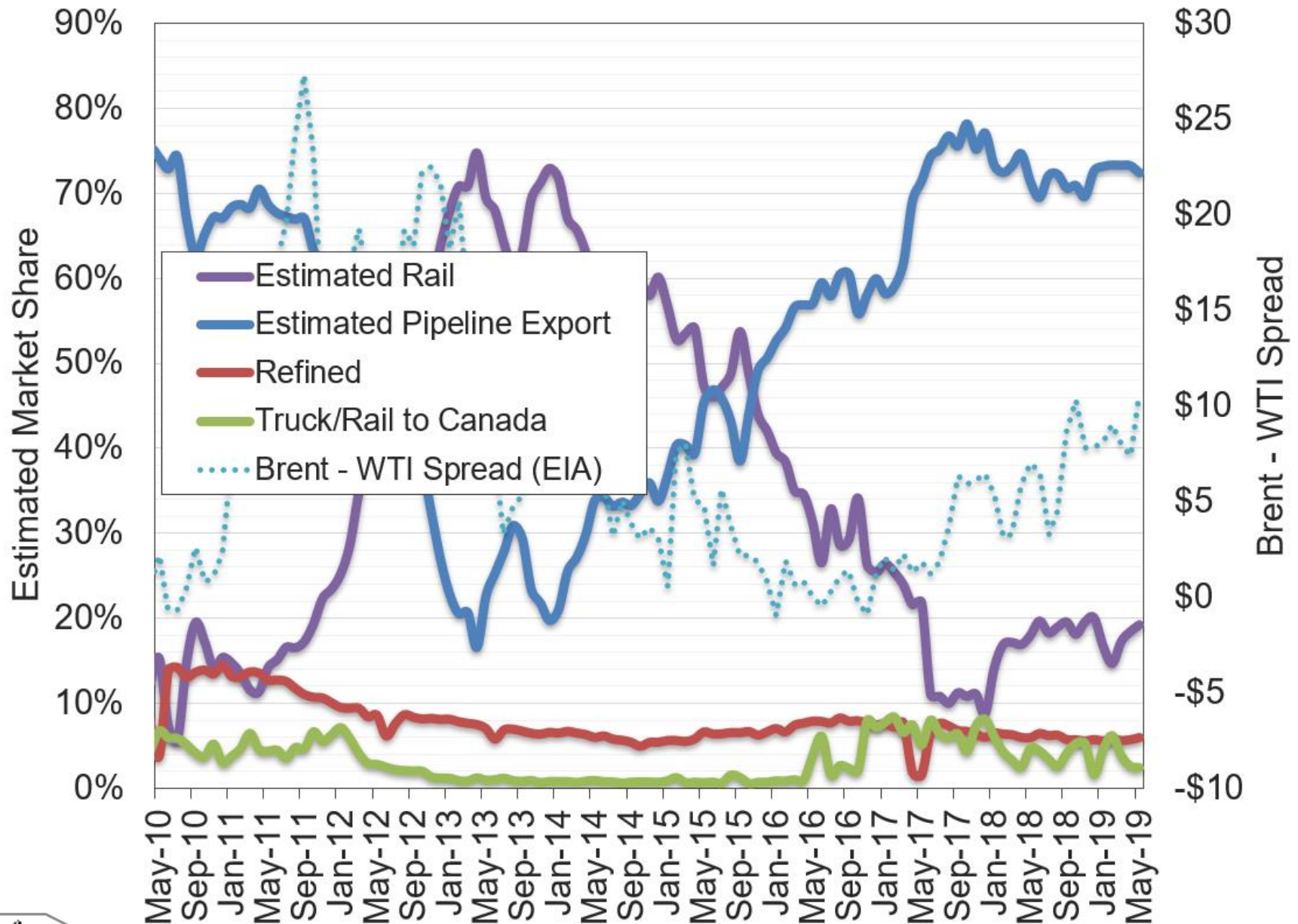
# Monthly Production Change



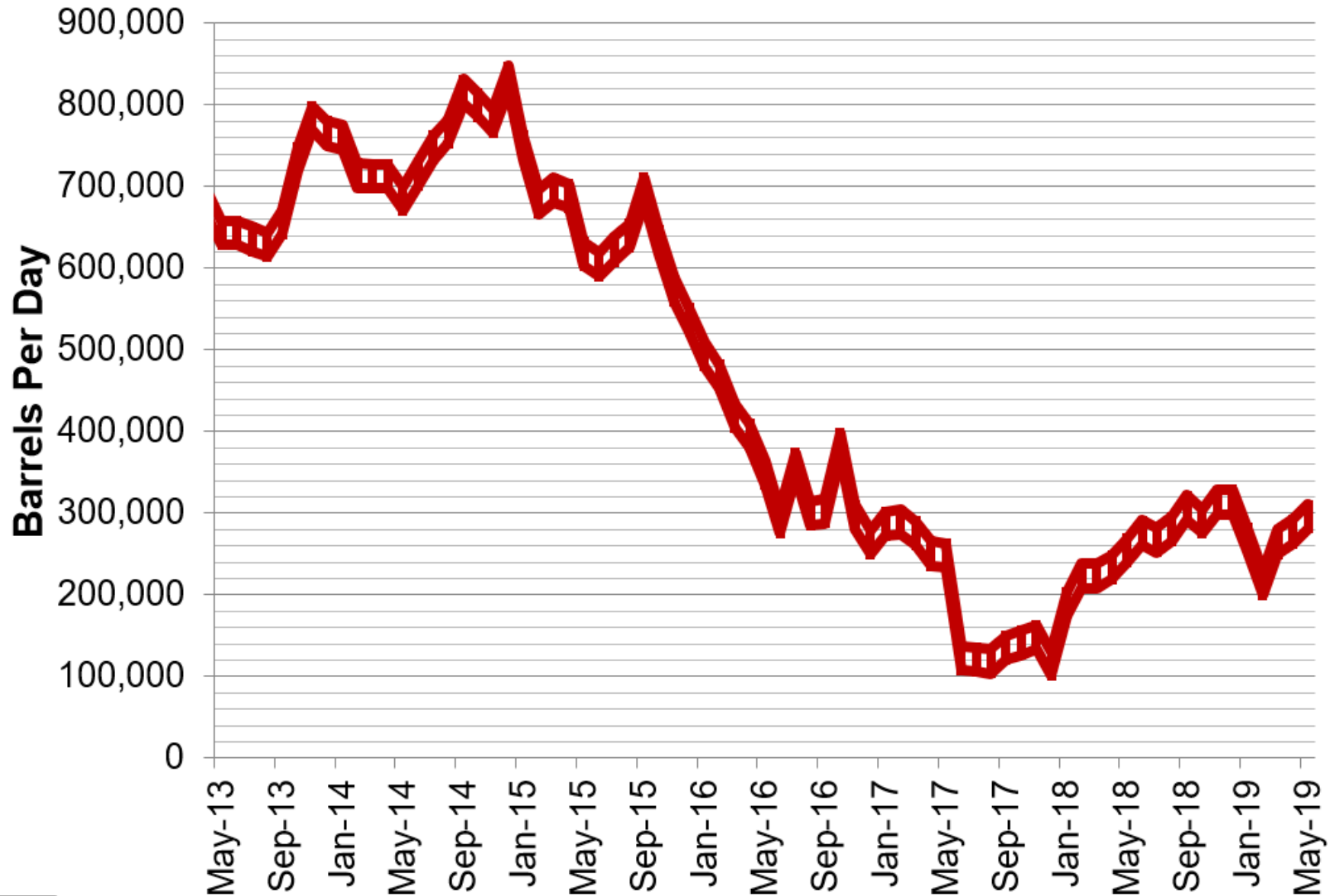
# Estimated Williston Basin Oil Transportation



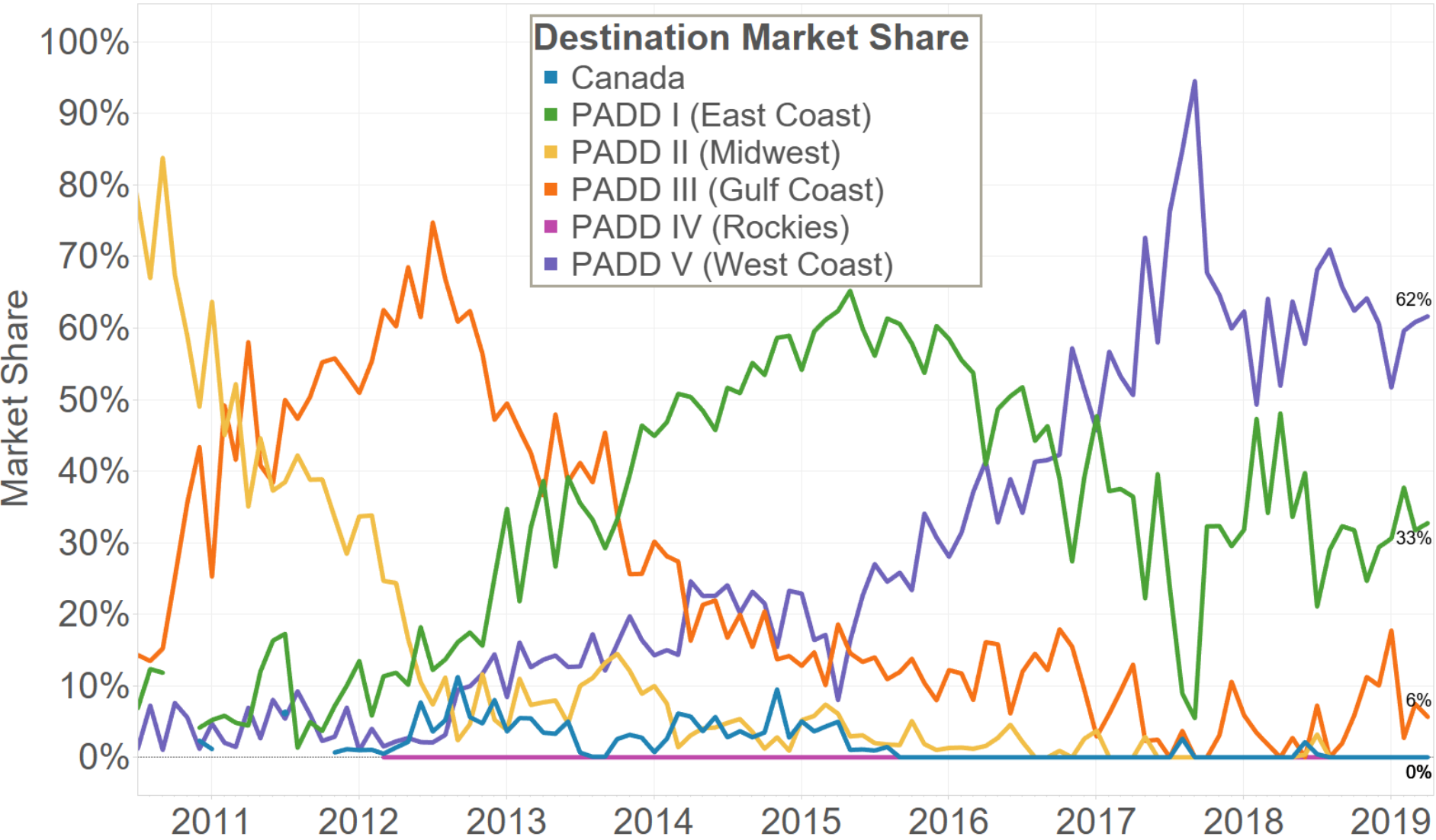
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (Apr. 2019)

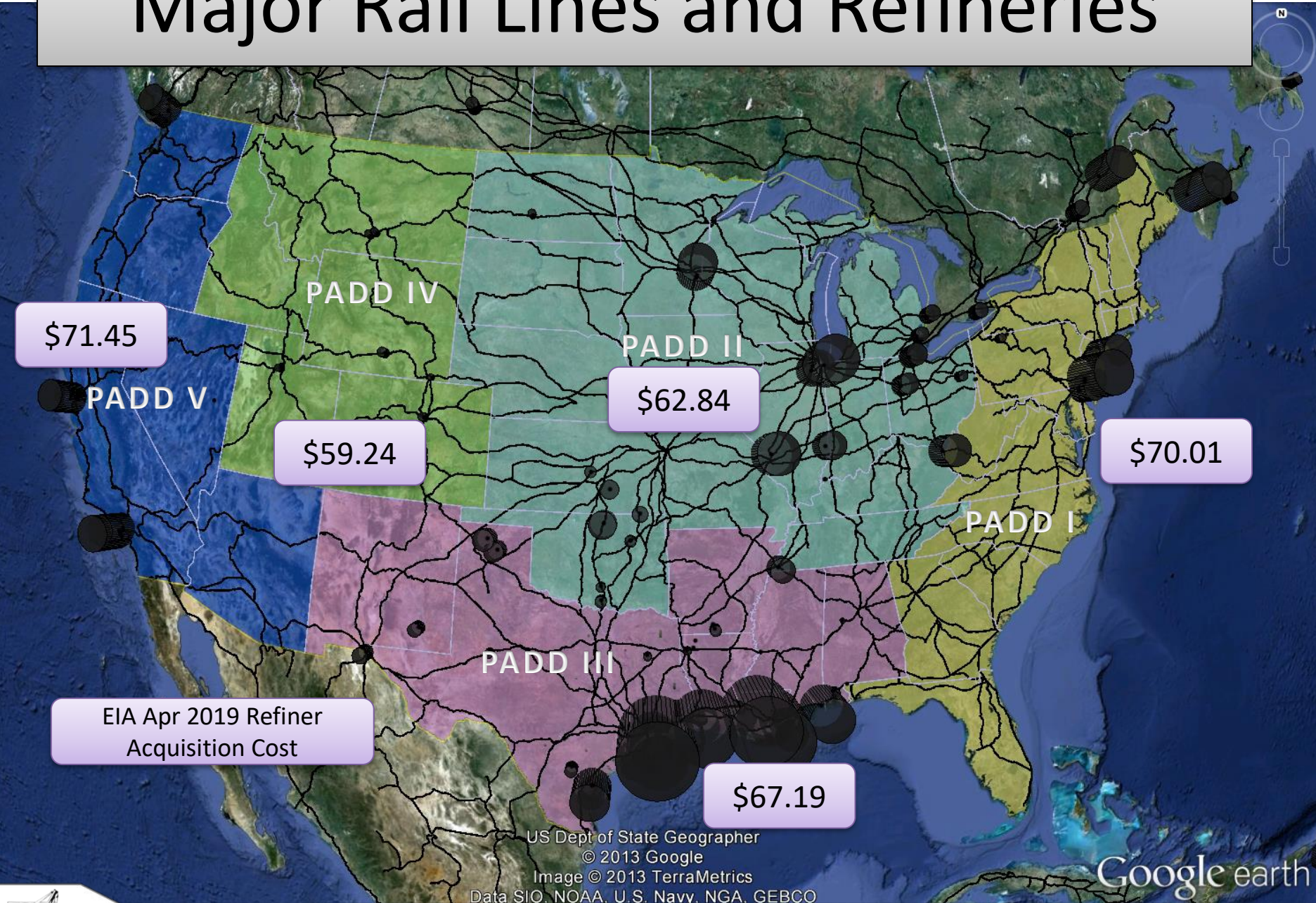


Data for Rail Destination Market Share Provided by the US Energy Information Administration



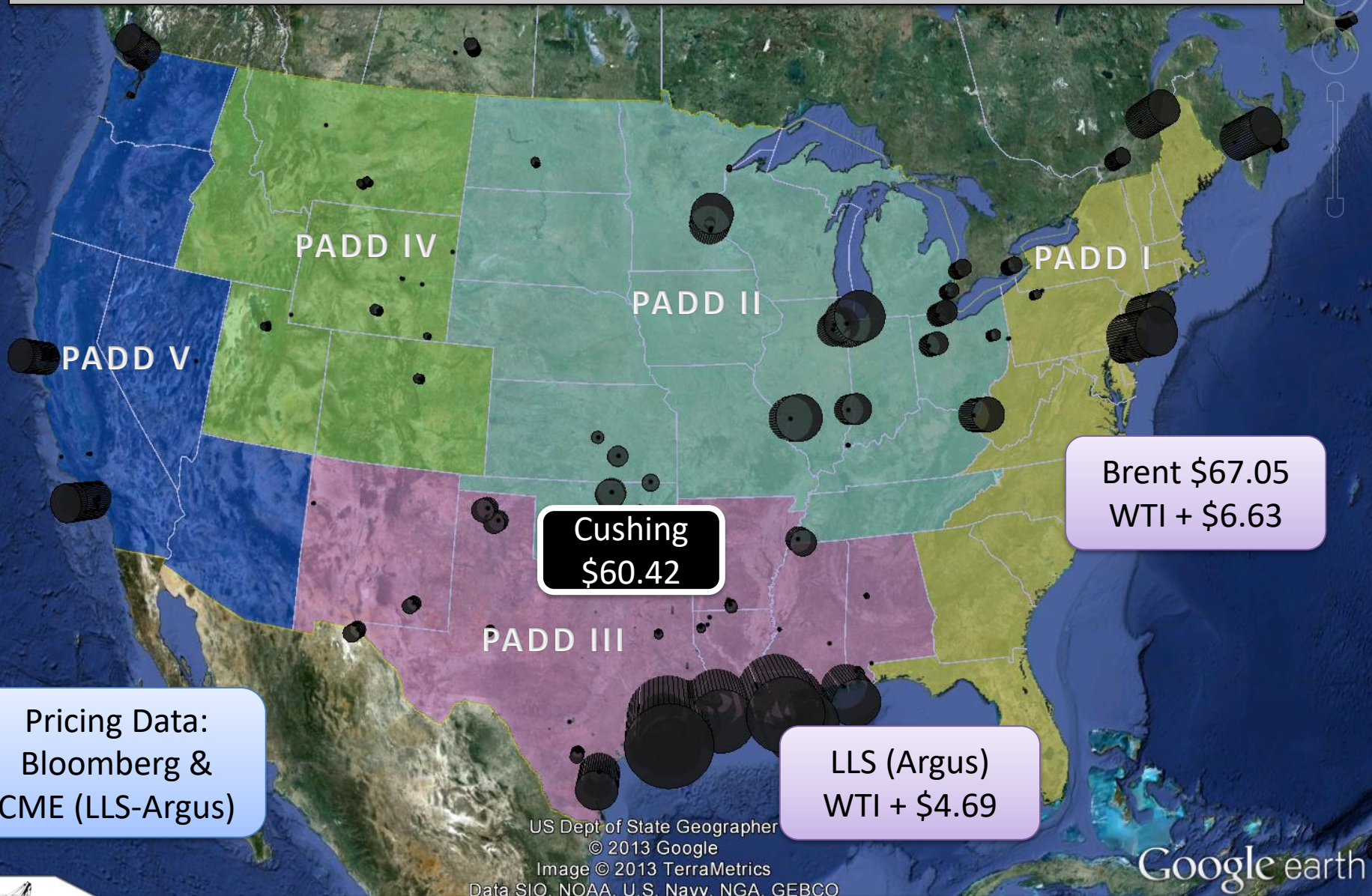


# Major Rail Lines and Refineries

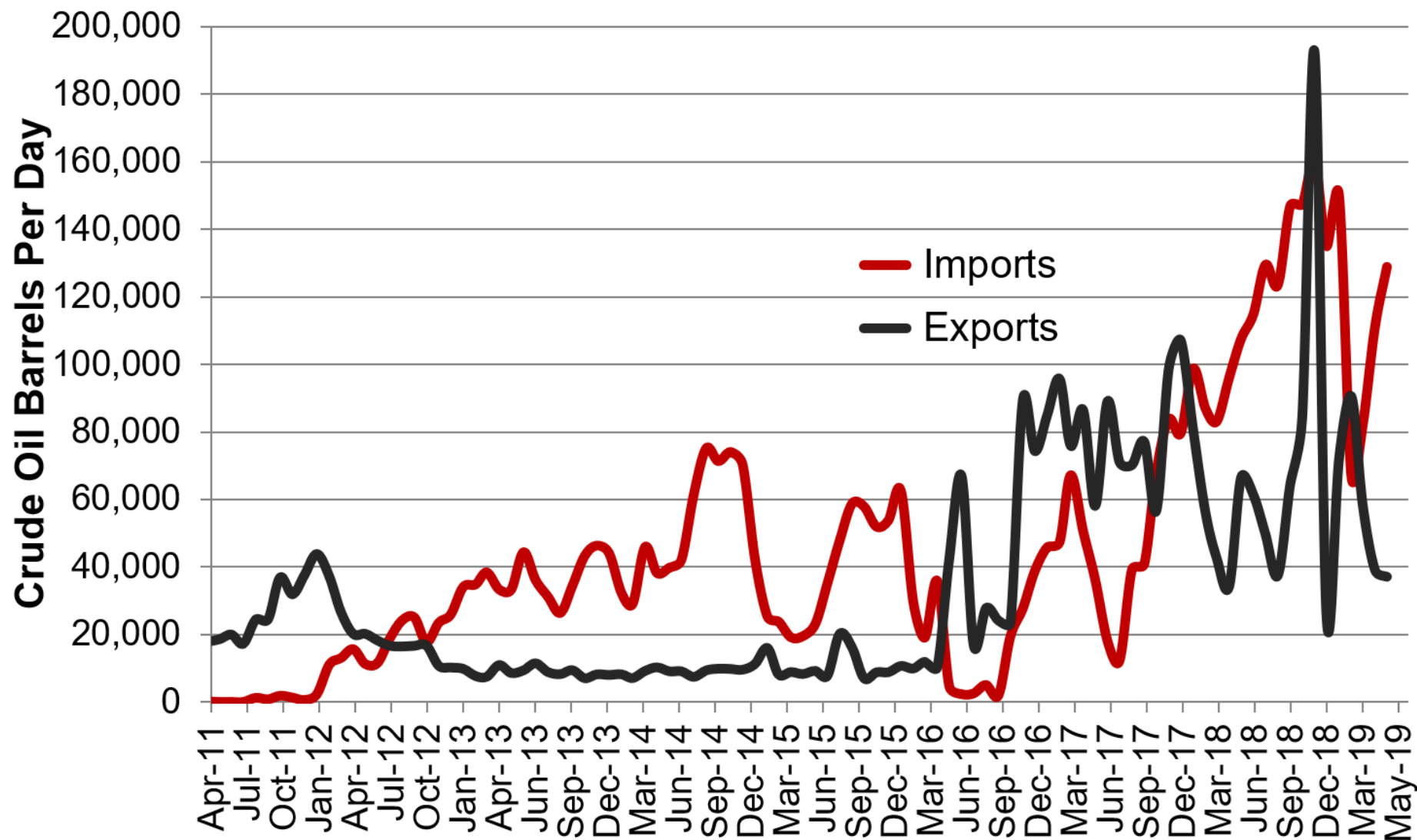




# Crude Oil Prices – July 15, 2019



# Williston Basin Truck/Rail Imports and Exports with Canada

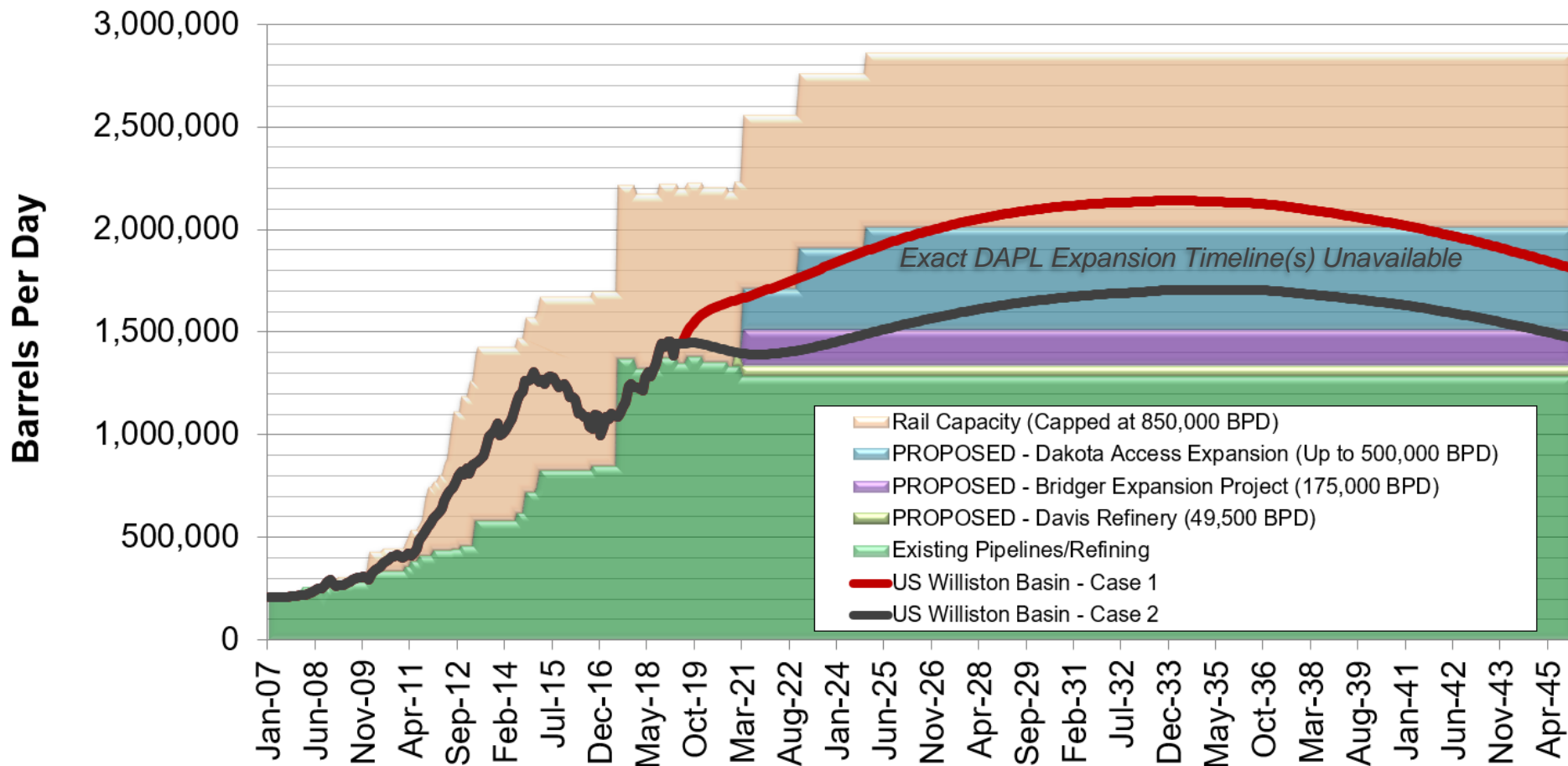


***Data for imports/exports chart is provided by the US International Trade Commission and represents traffic across US/Canada border in the Williston Basin area.***



# Williston Basin Oil Production & Export Capacity, BOPD

*Assumes Current Technology – Enhanced Oil Recovery Not Included*

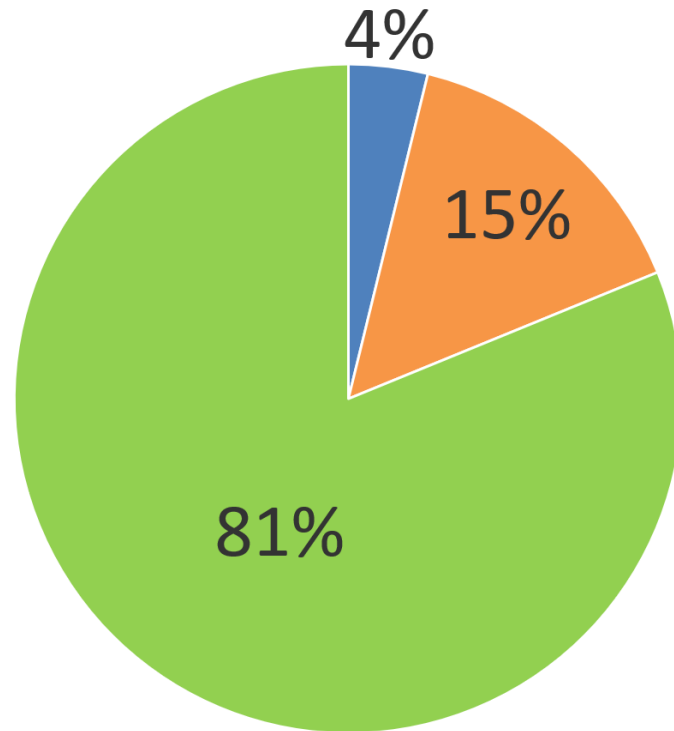


*Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.*





# 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

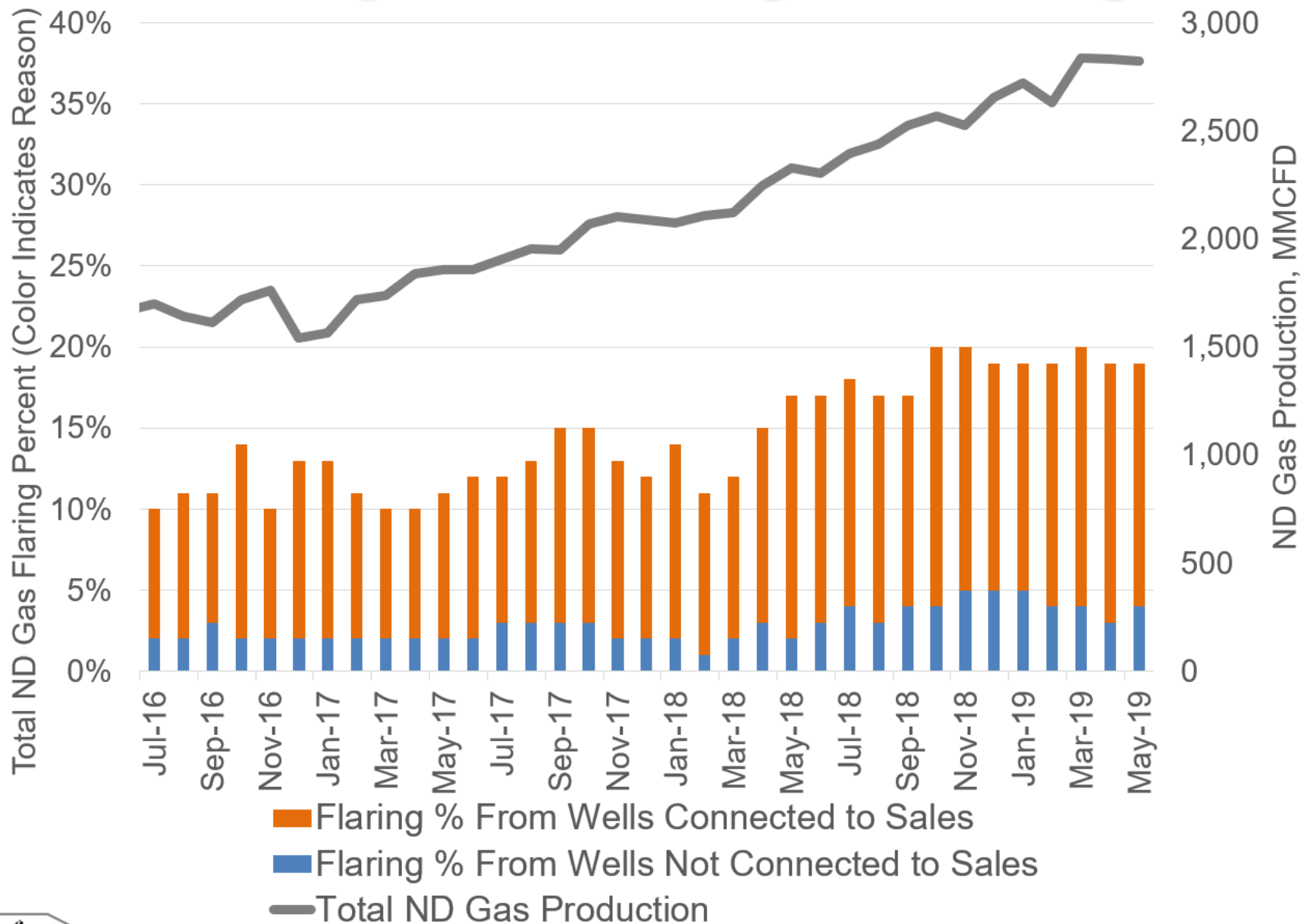
**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

May 2019 Data – Non-Confidential Wells

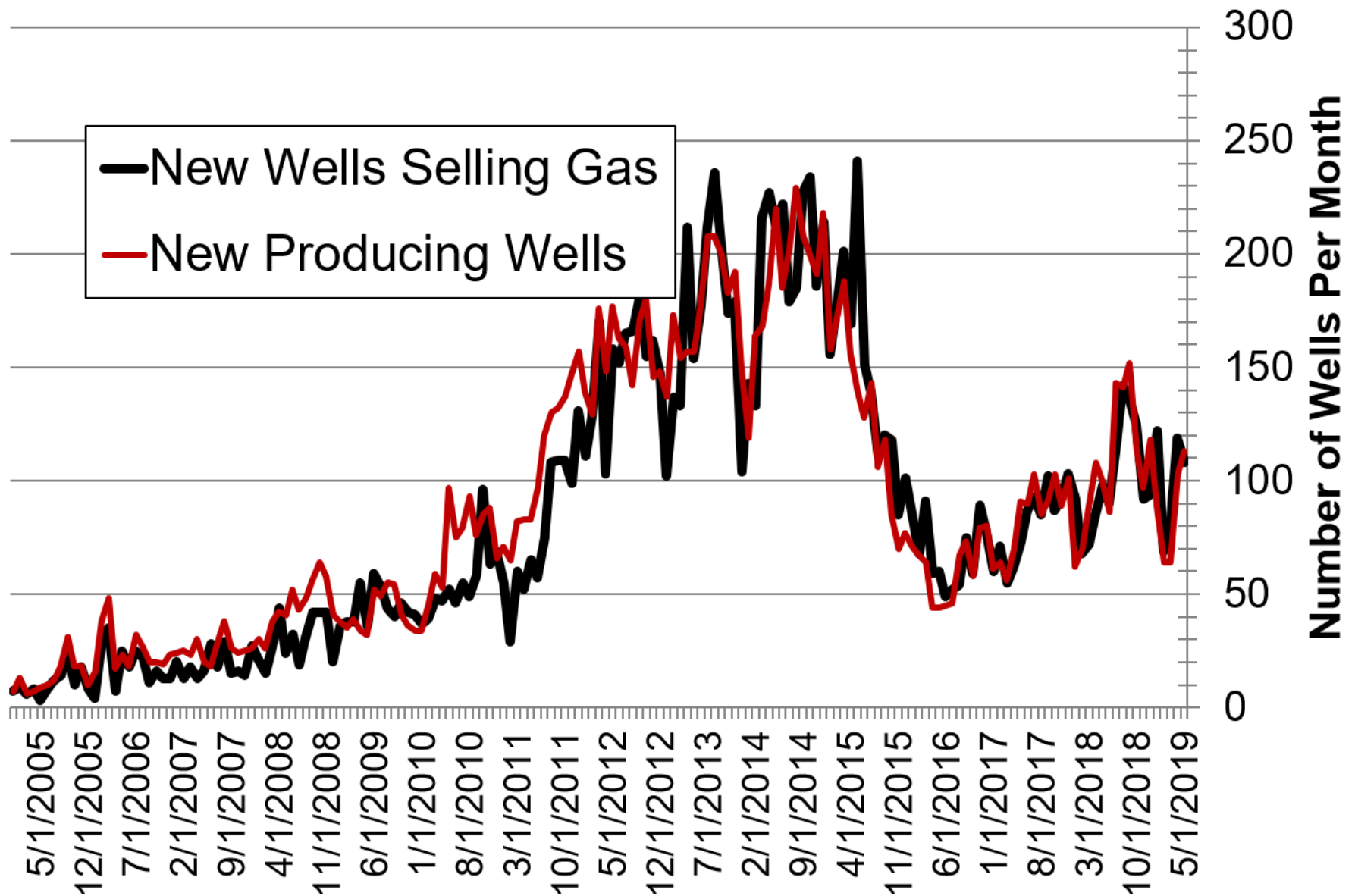




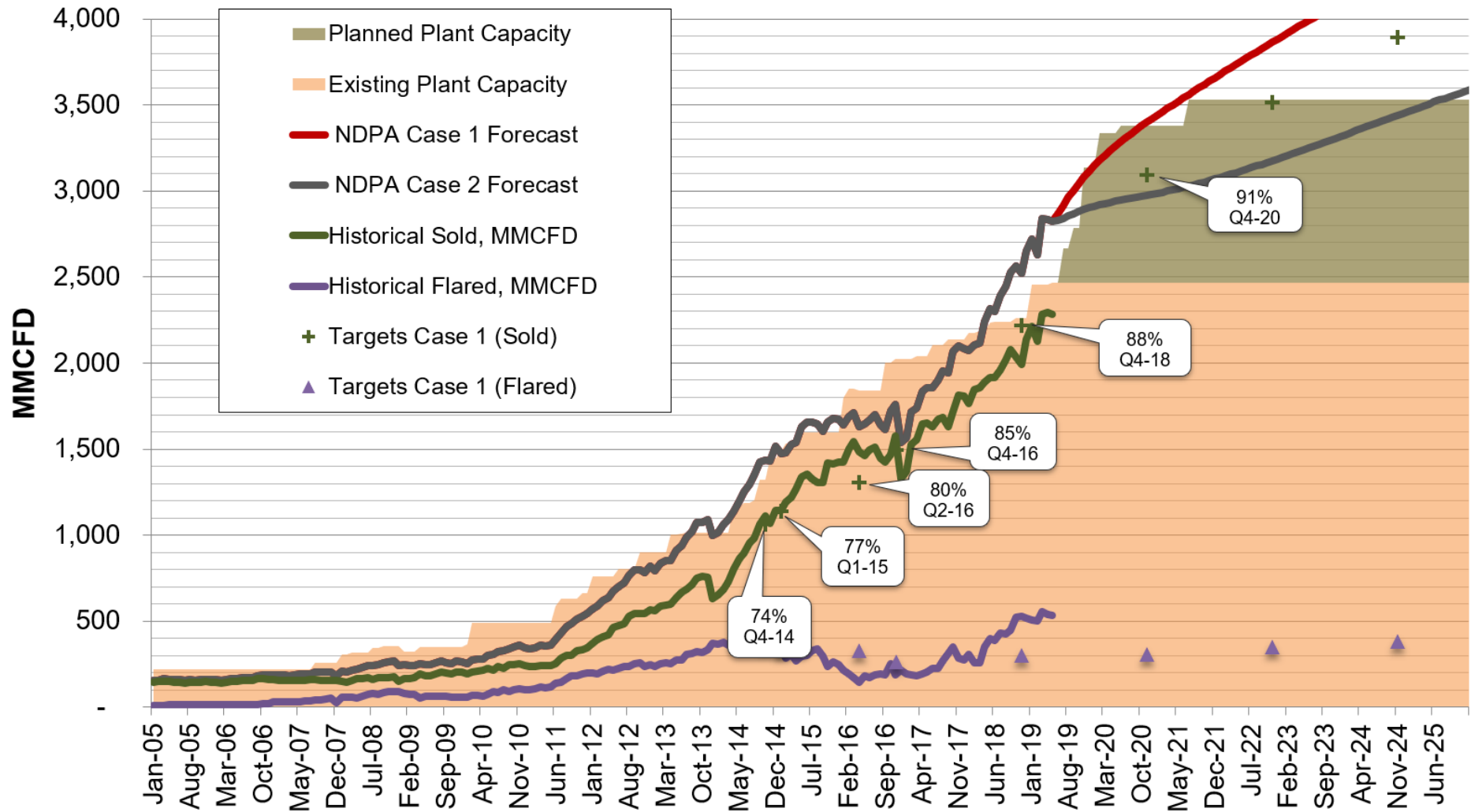
# Solving the Flaring Challenge



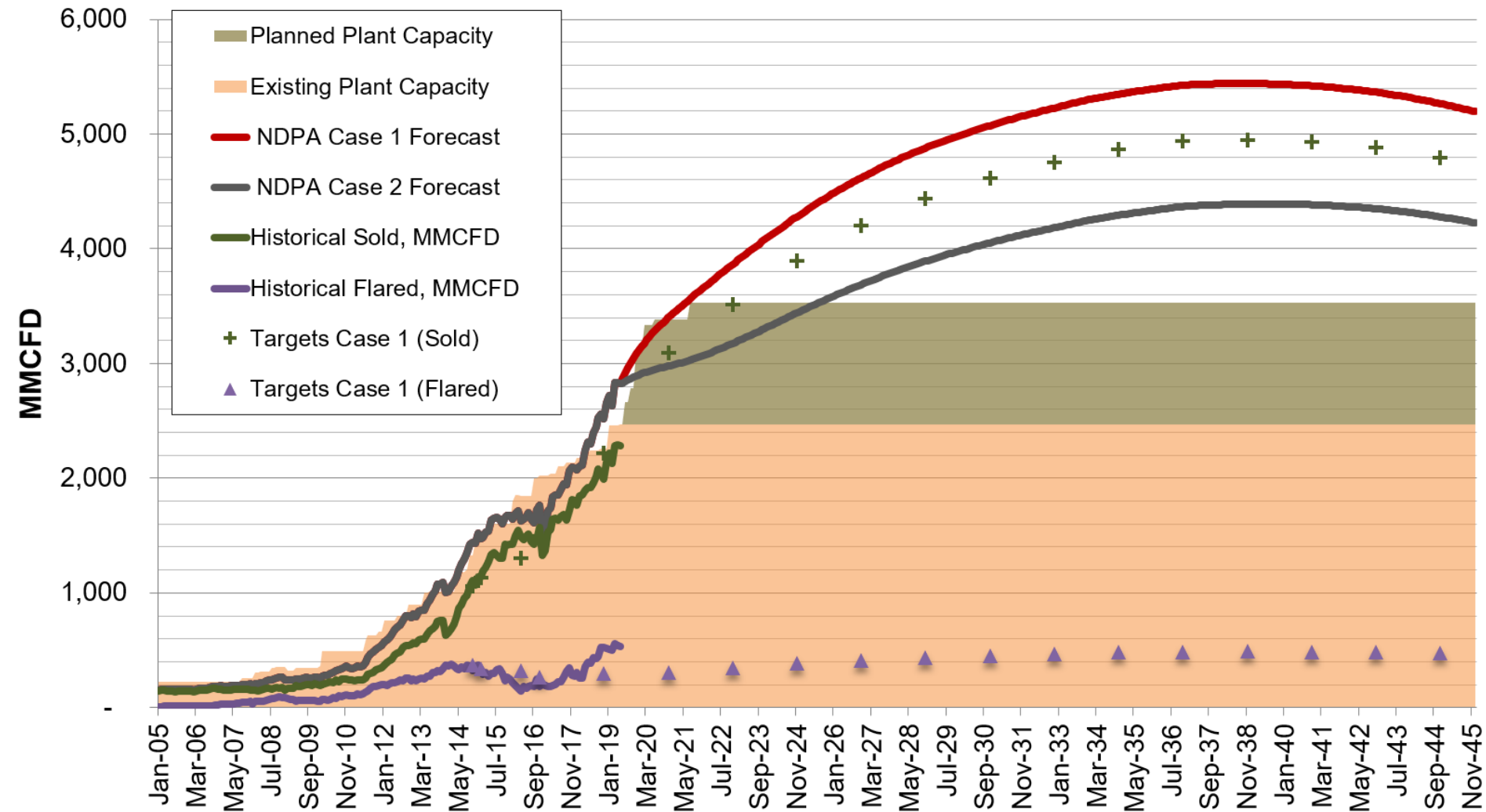
# Solving the Flaring Challenge



# Solving the Flaring Challenge



# Solving the Flaring Challenge





# Contact Information

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