



March 2019 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
March 15, 2019

US Williston Basin Oil Production - 2019

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,402,402			
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

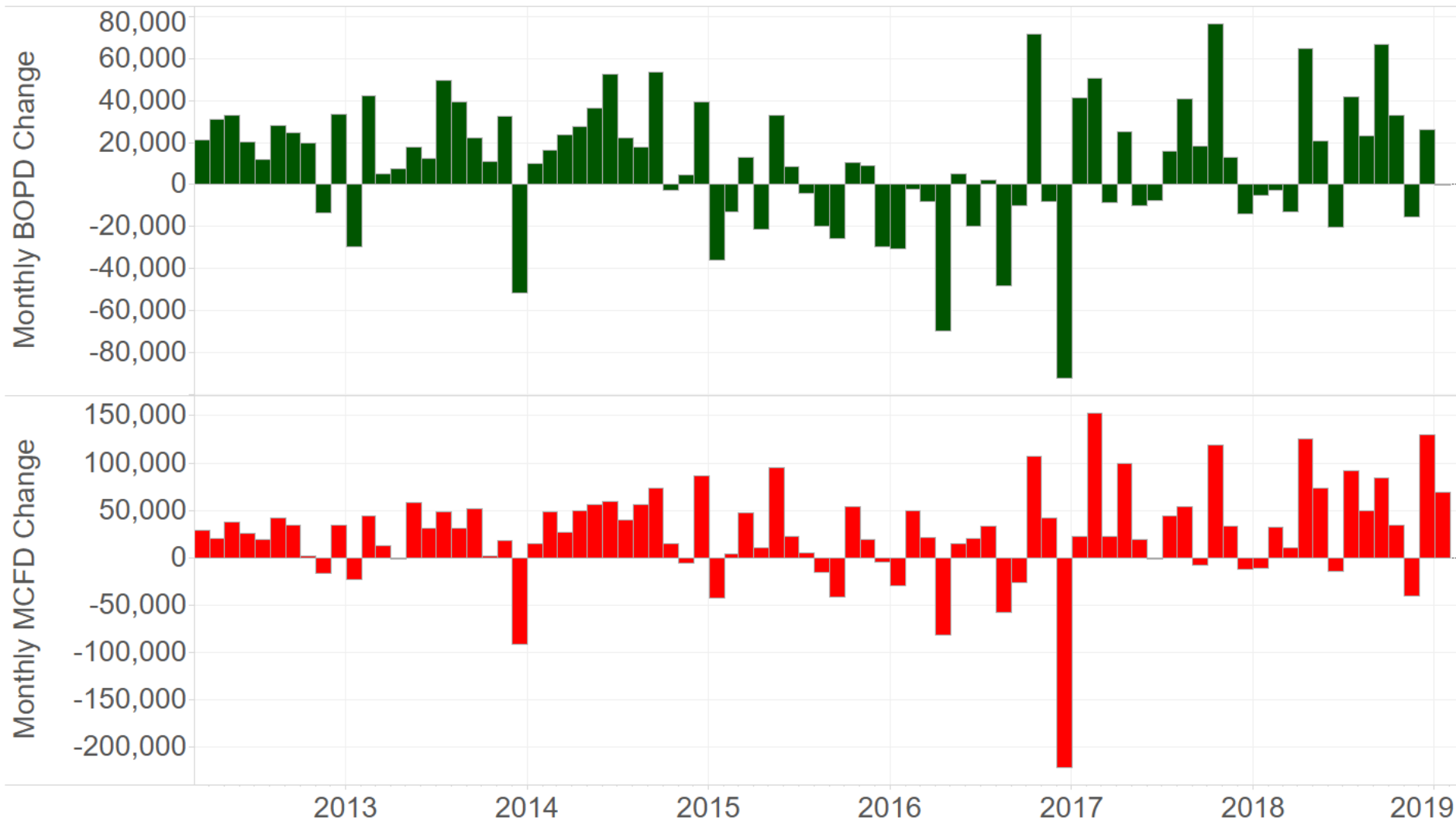


US Williston Basin Oil Production - 2018

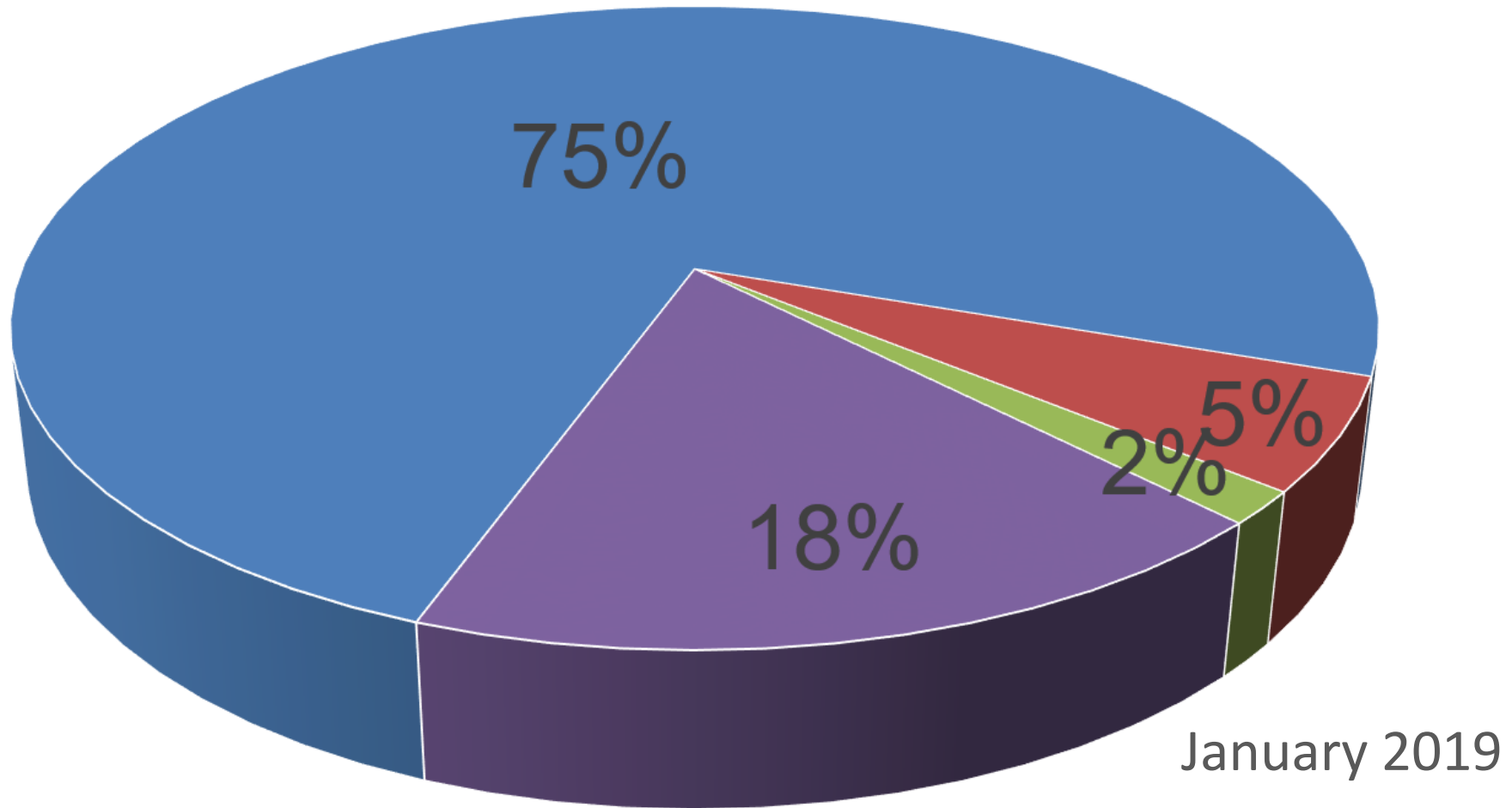
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,177,640	50,110	3,555	1,231,304
February	1,175,080	50,861	3,628	1,229,568
March	1,162,129	49,830	3,502	1,215,461
April	1,226,944	52,426	3,515	1,282,885
May	1,247,756	53,717	3,471	1,304,944
June	1,227,443	53,987	3,443	1,284,873
July	1,269,313	53,187	3,377	1,325,878
August	1,292,513	56,988	3,471	1,352,971
September	1,359,281	57,211	3,475	1,419,966
October	1,392,369	56,122	3,375	1,451,866
November	1,376,803	56,655	3,320	1,436,778
December	1,402,741	55,727	3,218	1,461,686



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

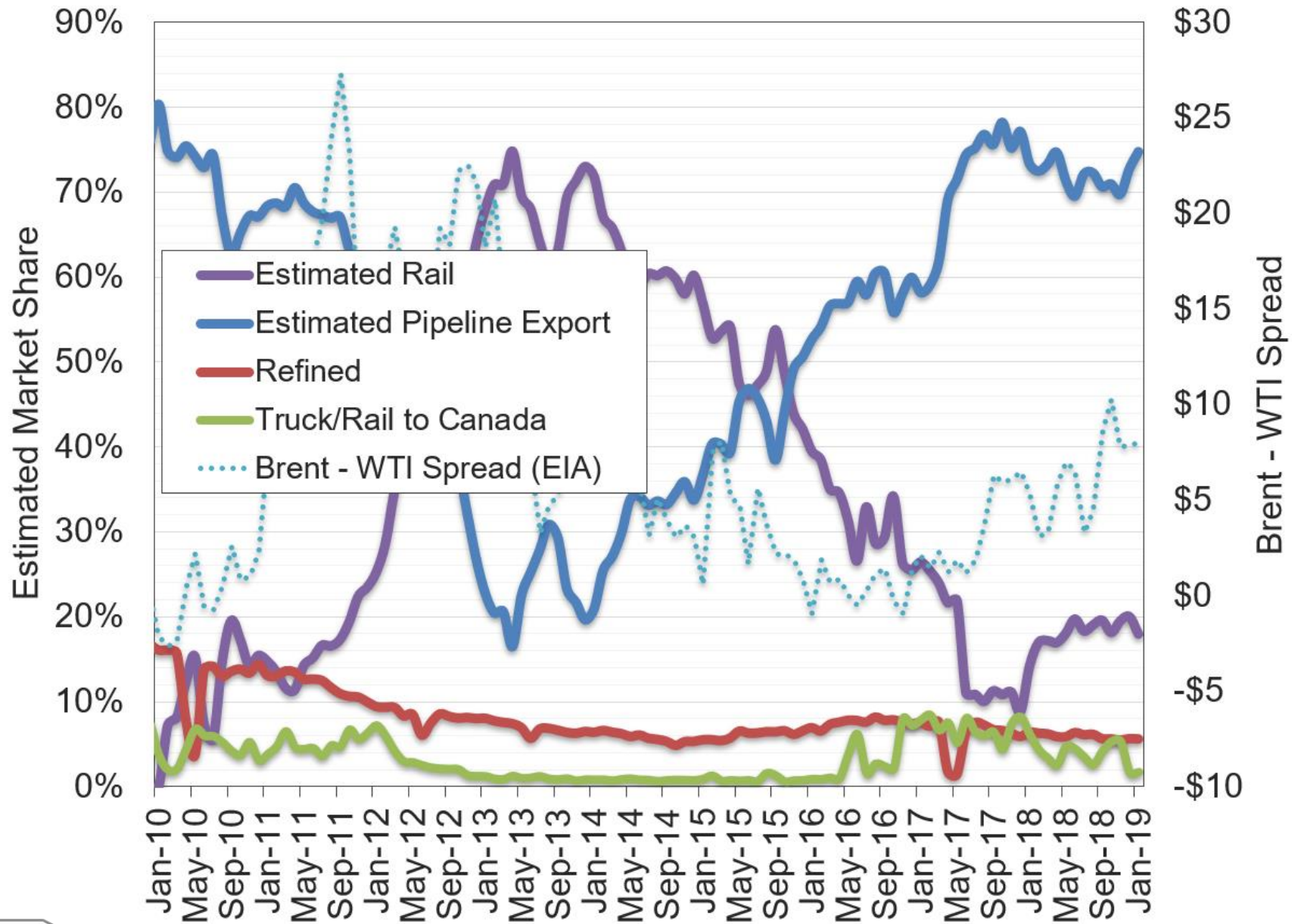
■ Truck/Rail to Canada

■ Refined

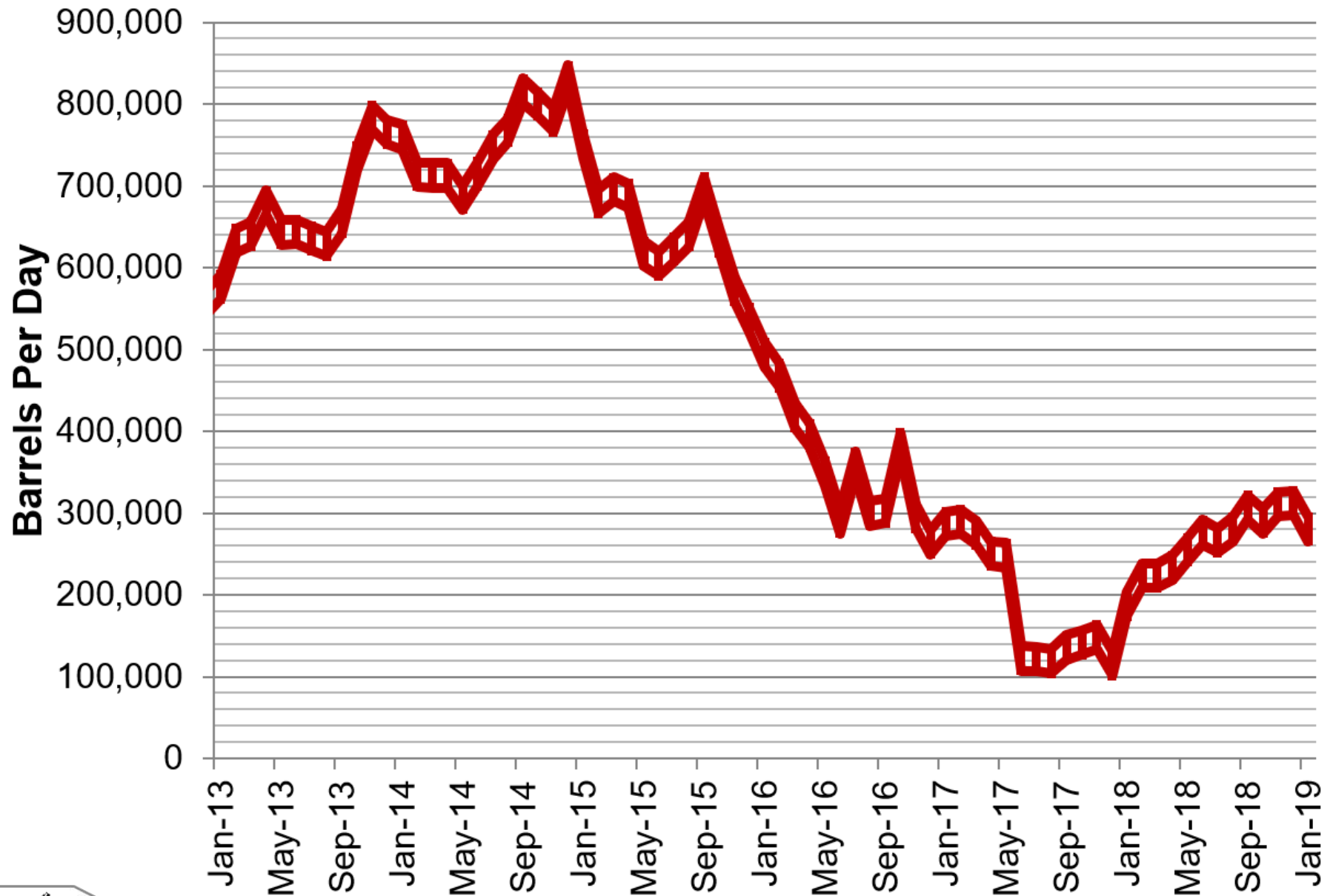
■ Estimated Rail



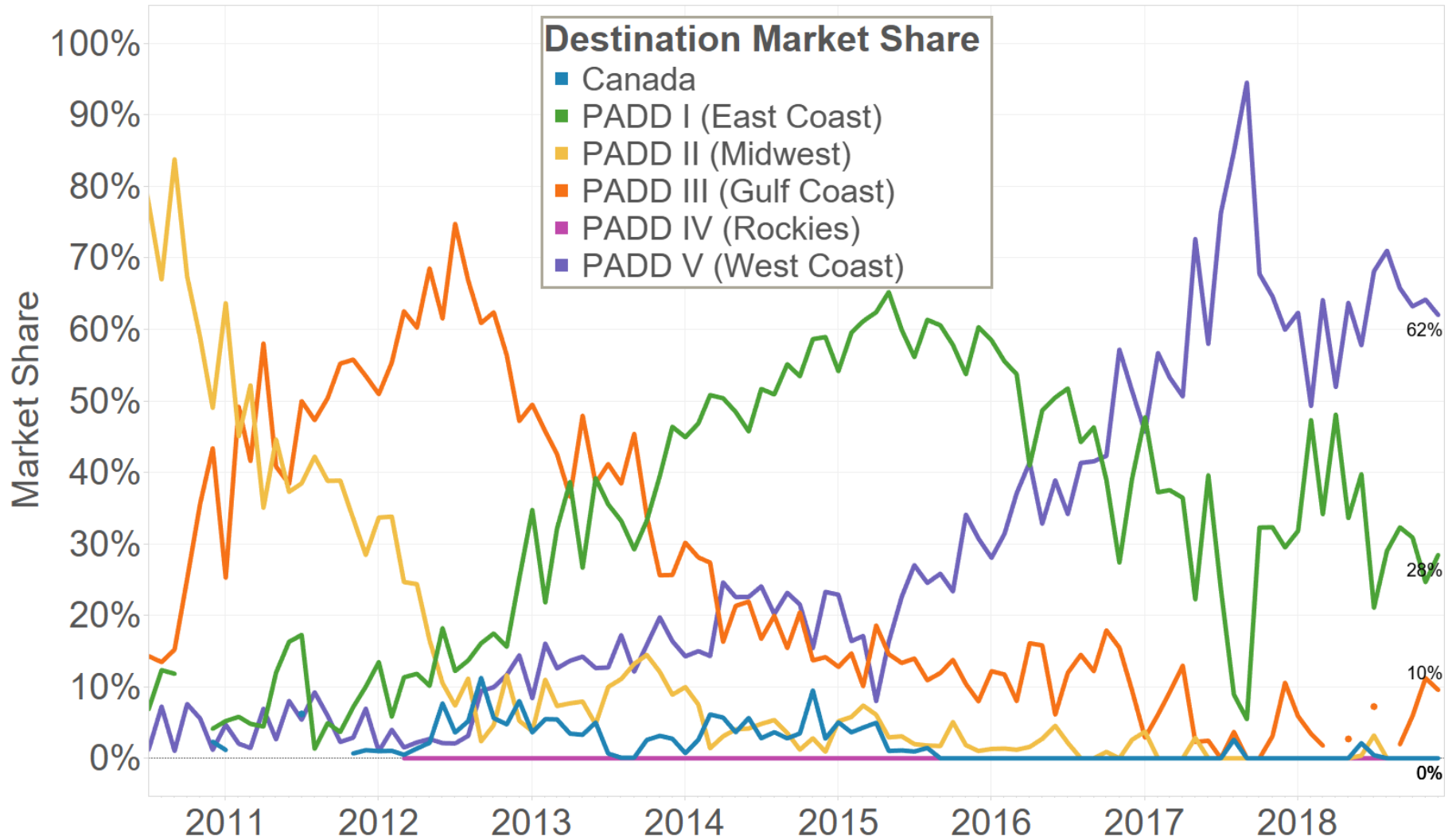
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



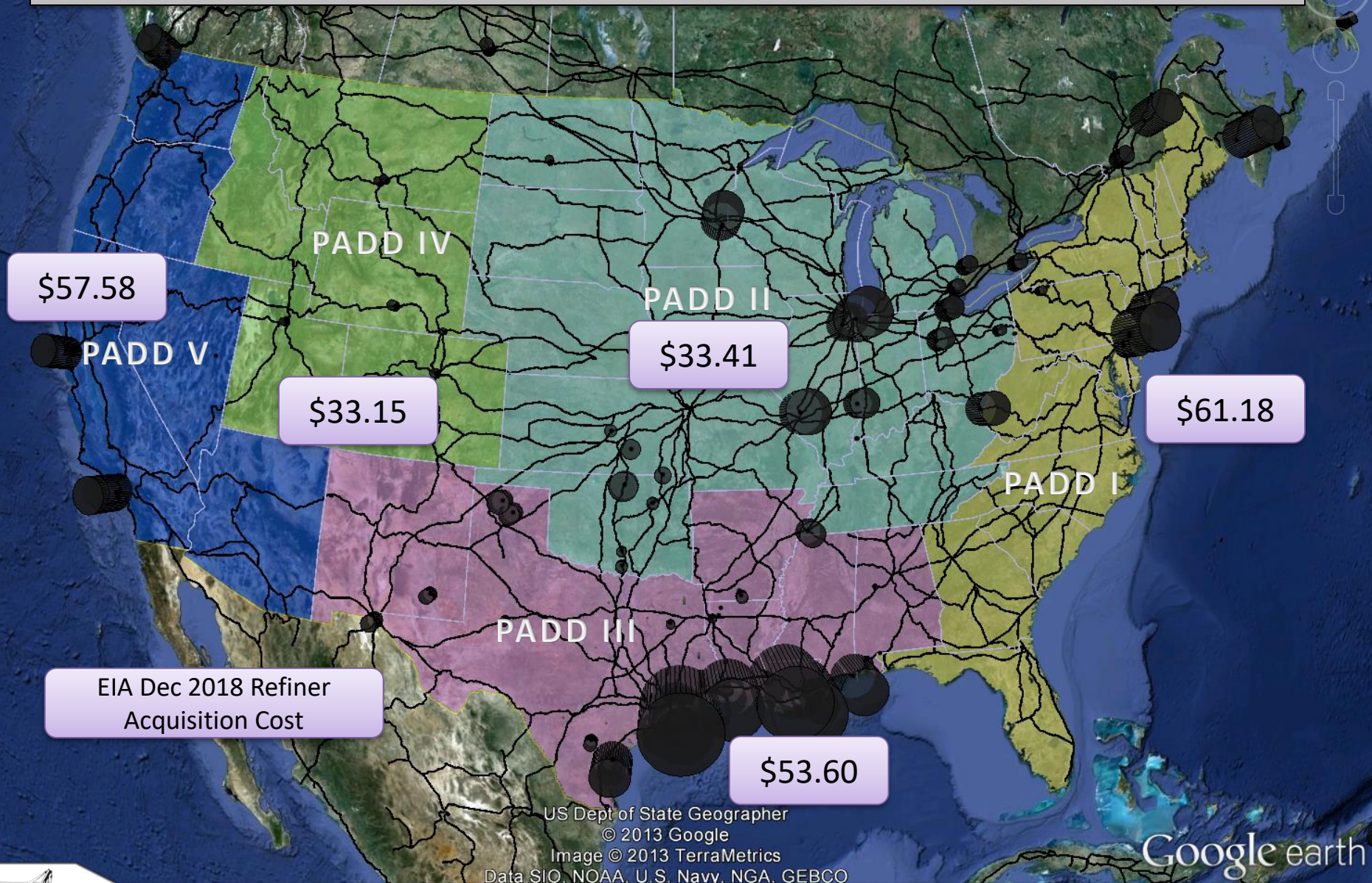
Rail Destinations Market Share (Dec. 2018)



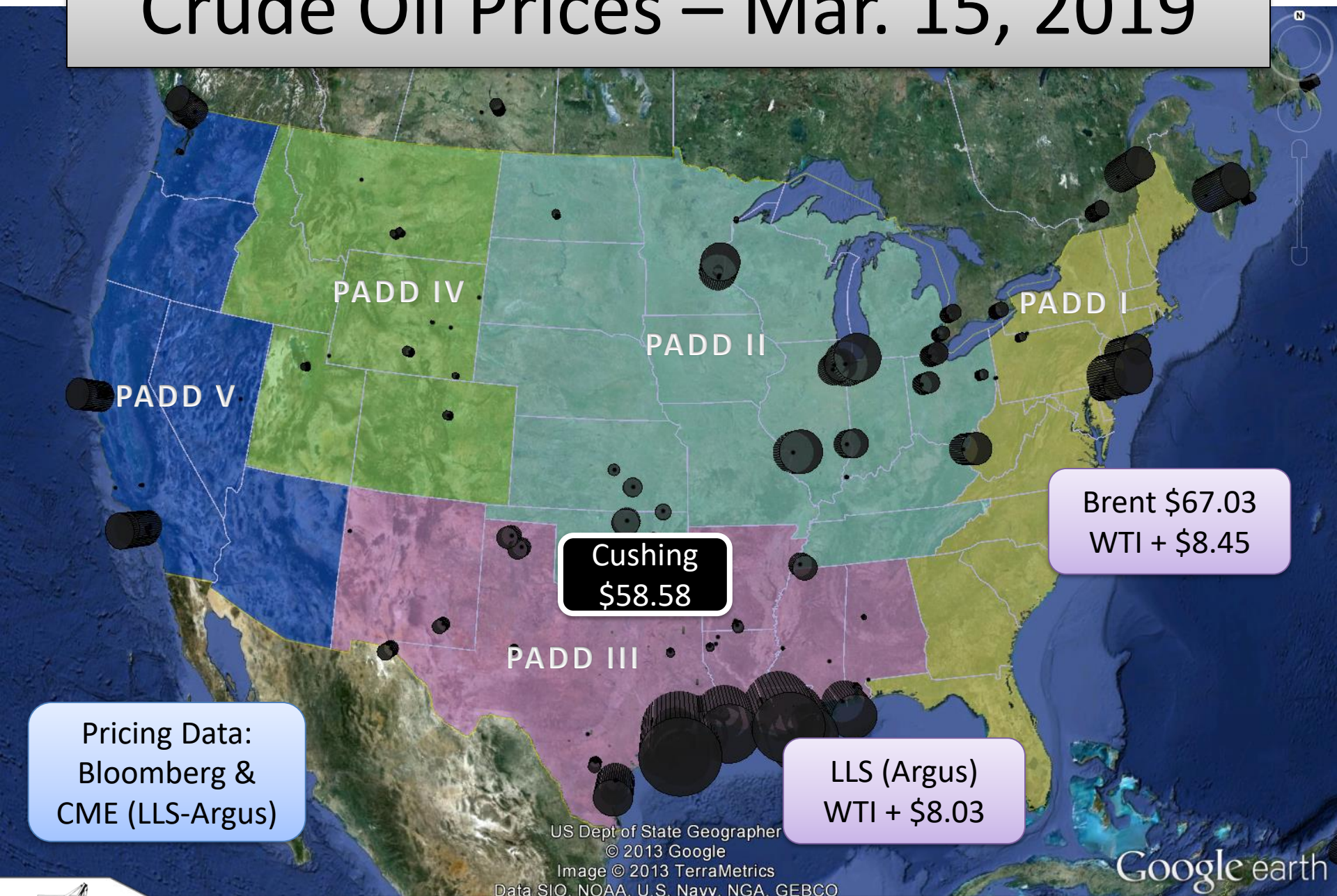
Data for Rail Destination Market Share Provided by the US Energy Information Administration



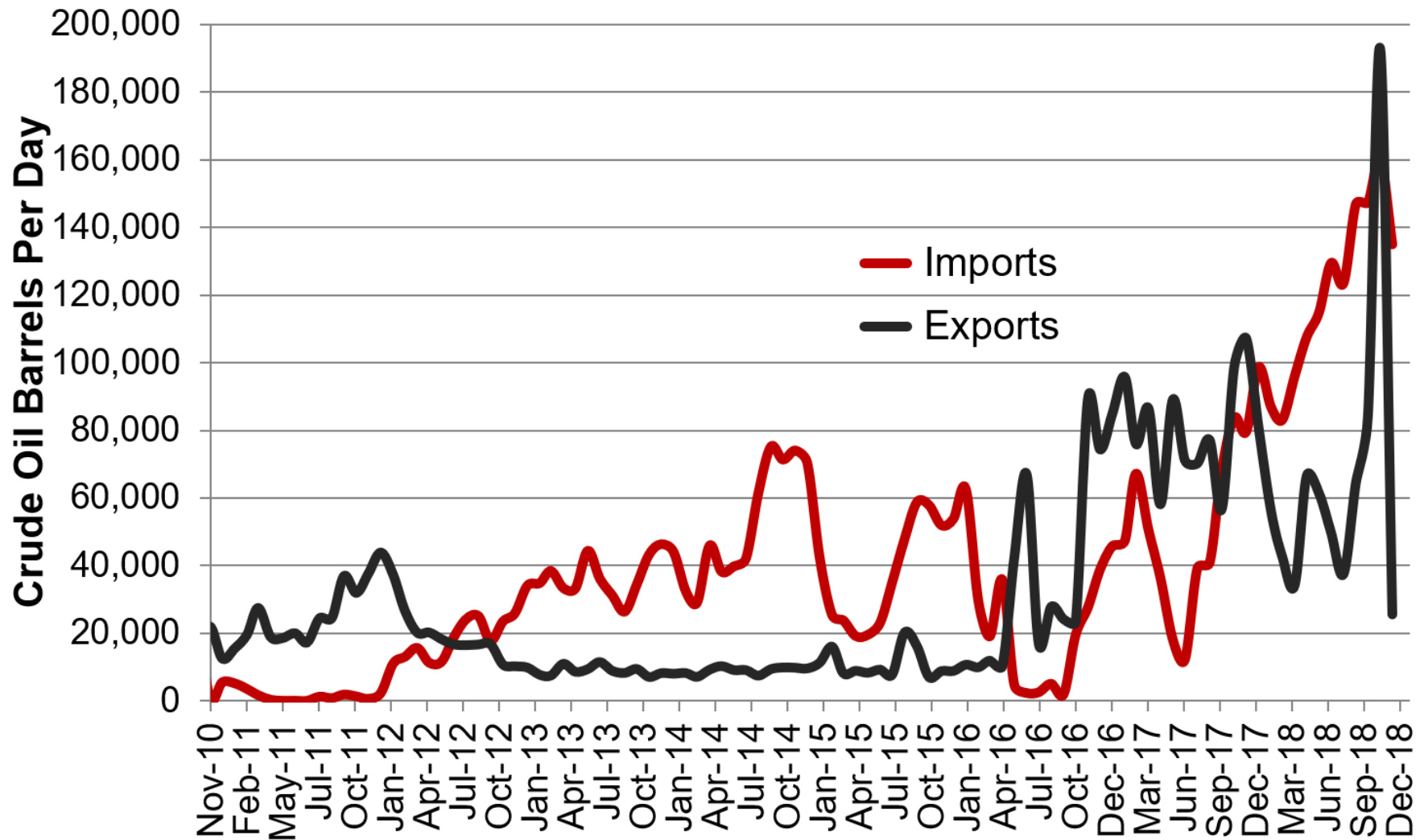
Major Rail Lines and Refineries



Crude Oil Prices – Mar. 15, 2019



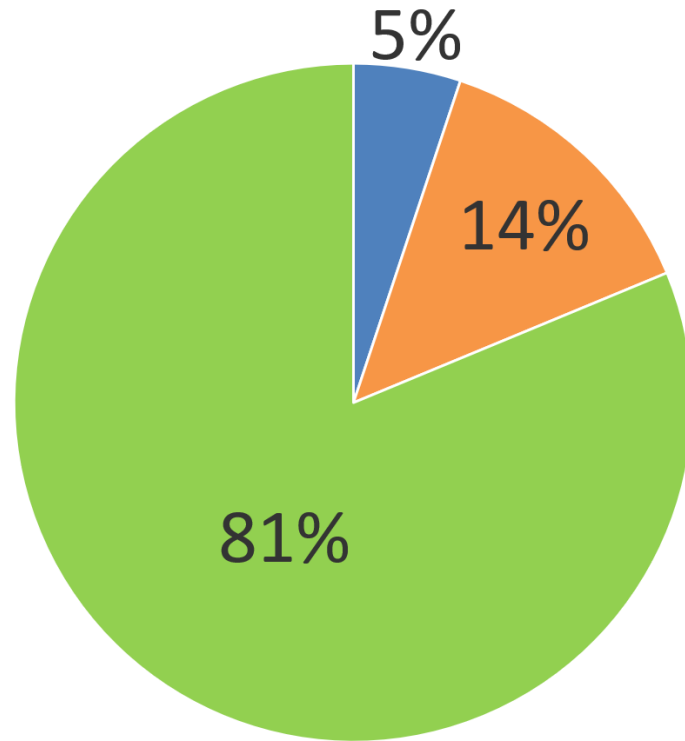
Williston Basin Truck/Rail Imports and Exports with Canada



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.



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.

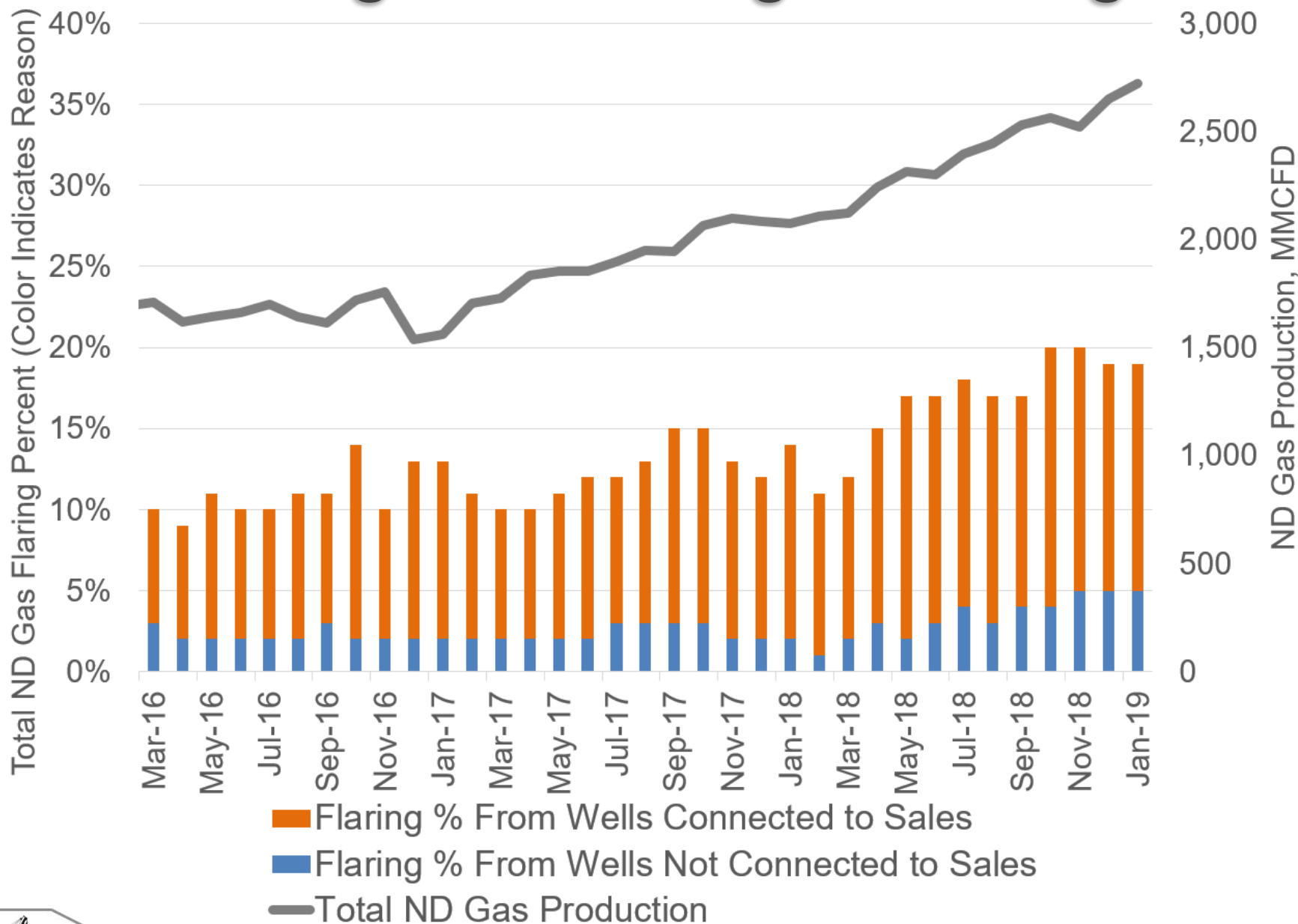
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

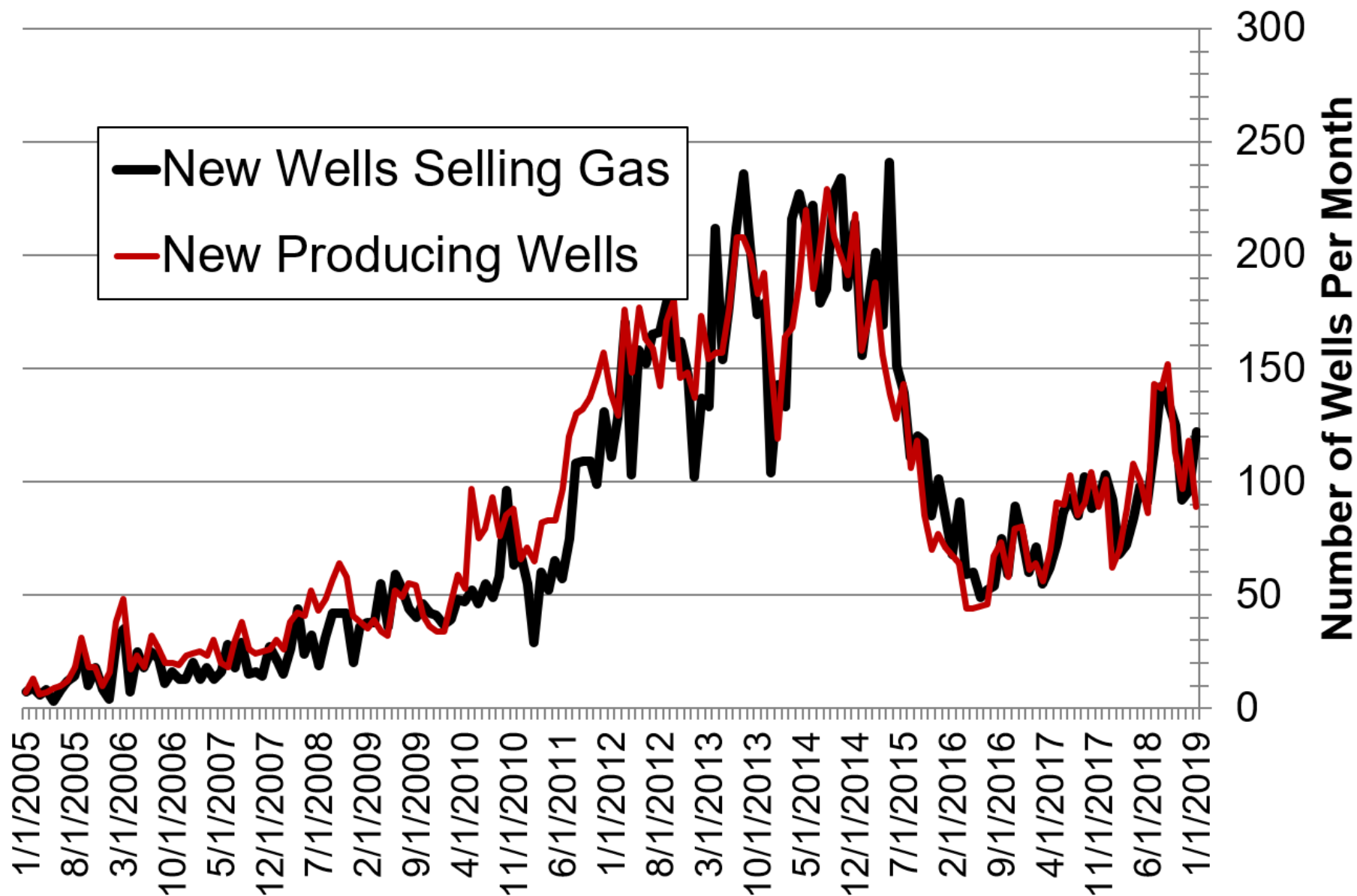
January 2019 Data – Non-Confidential Wells



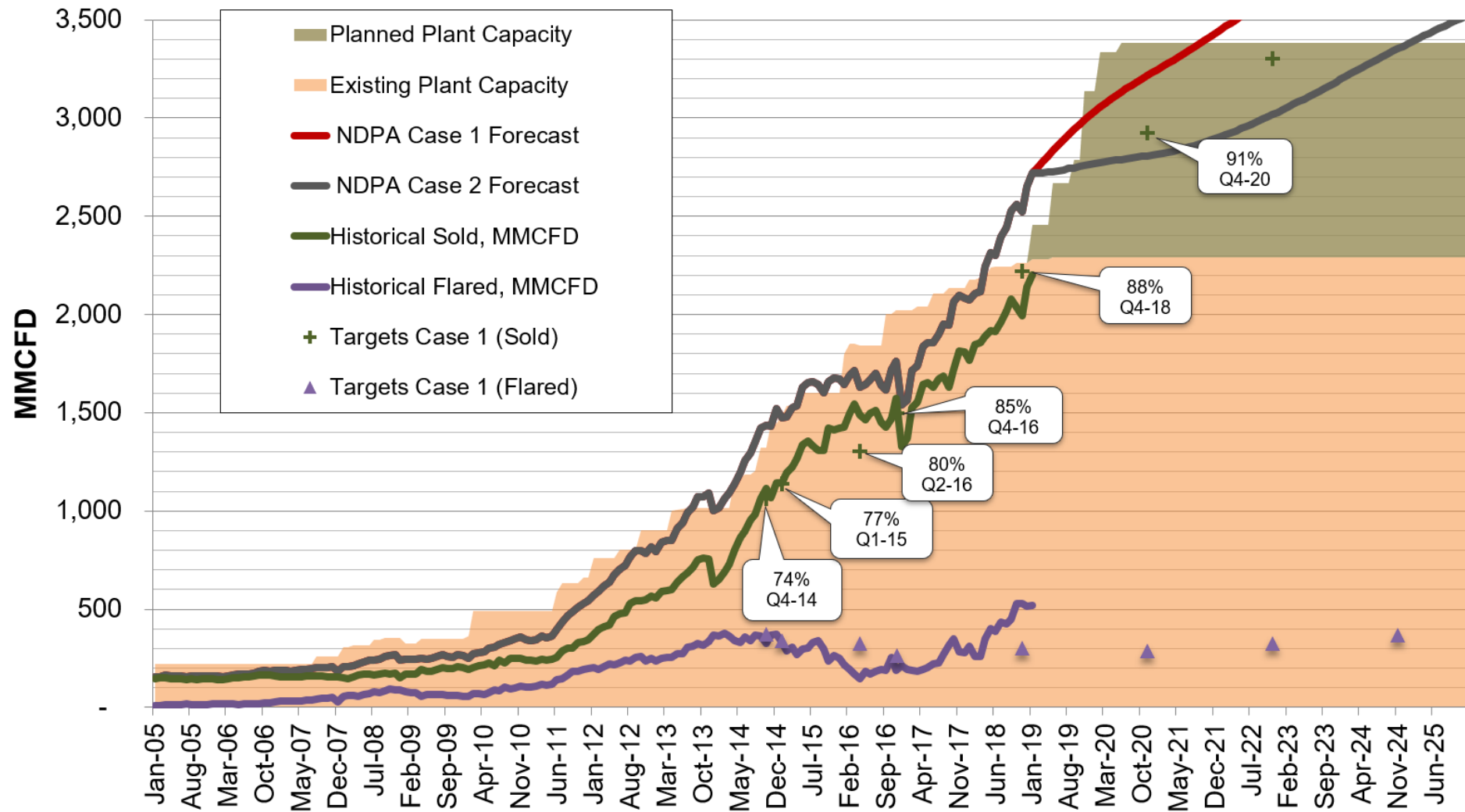
Solving the Flaring Challenge



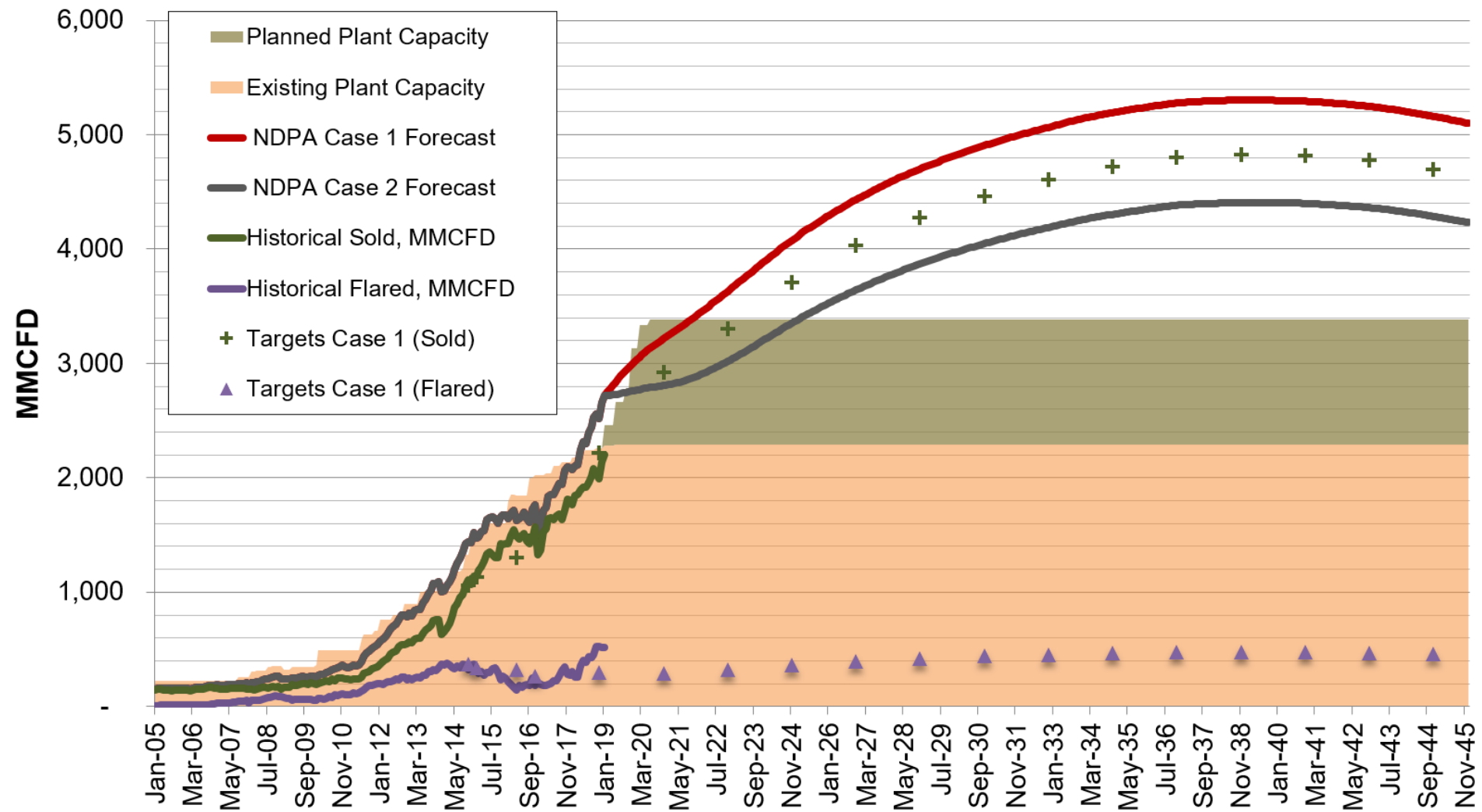
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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