



April 2019 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
April 12, 2019

US Williston Basin Oil Production - 2019

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,403,808	56,720	3,276	1,463,804
February	1,335,064			
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

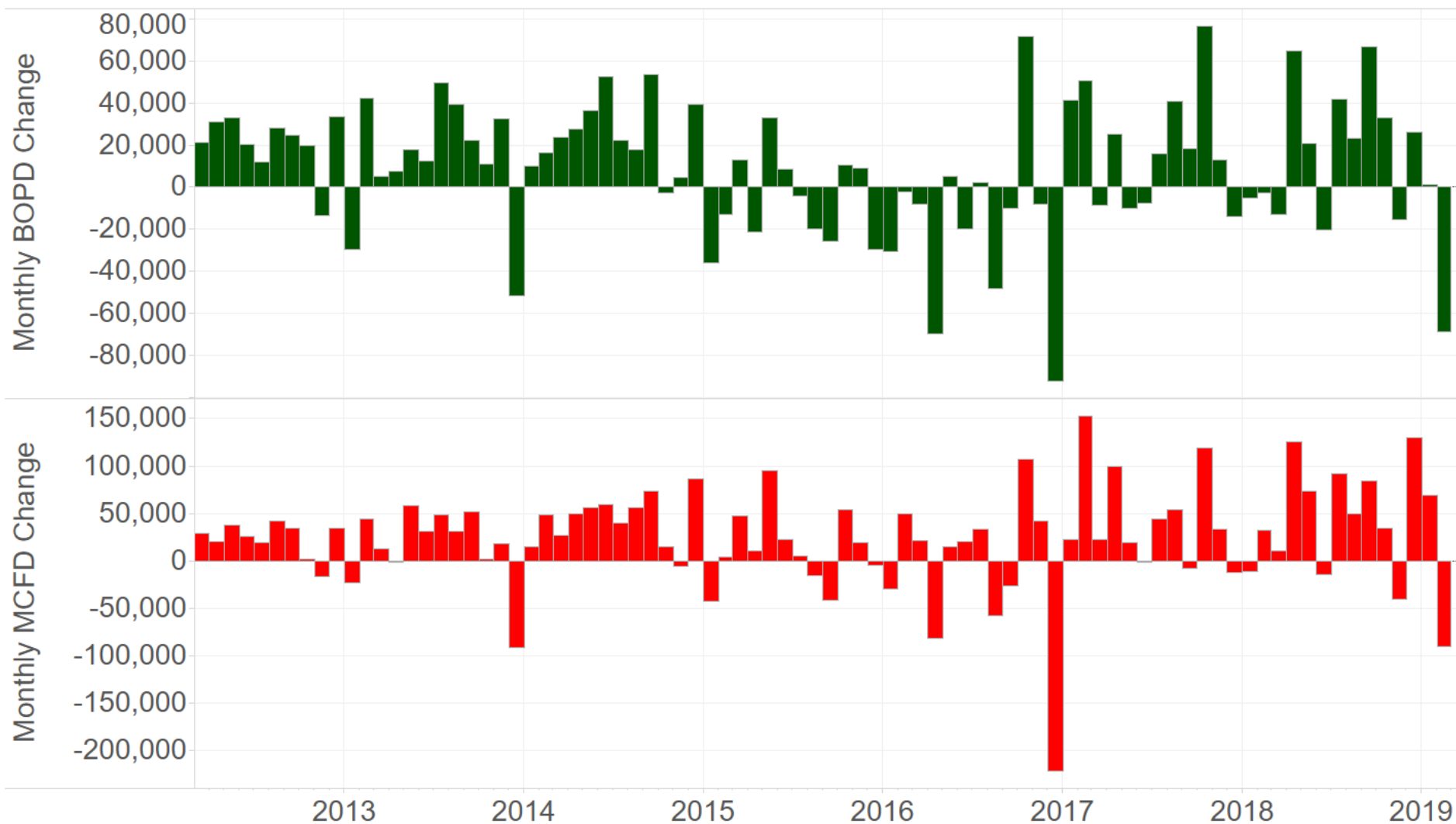


US Williston Basin Oil Production - 2018

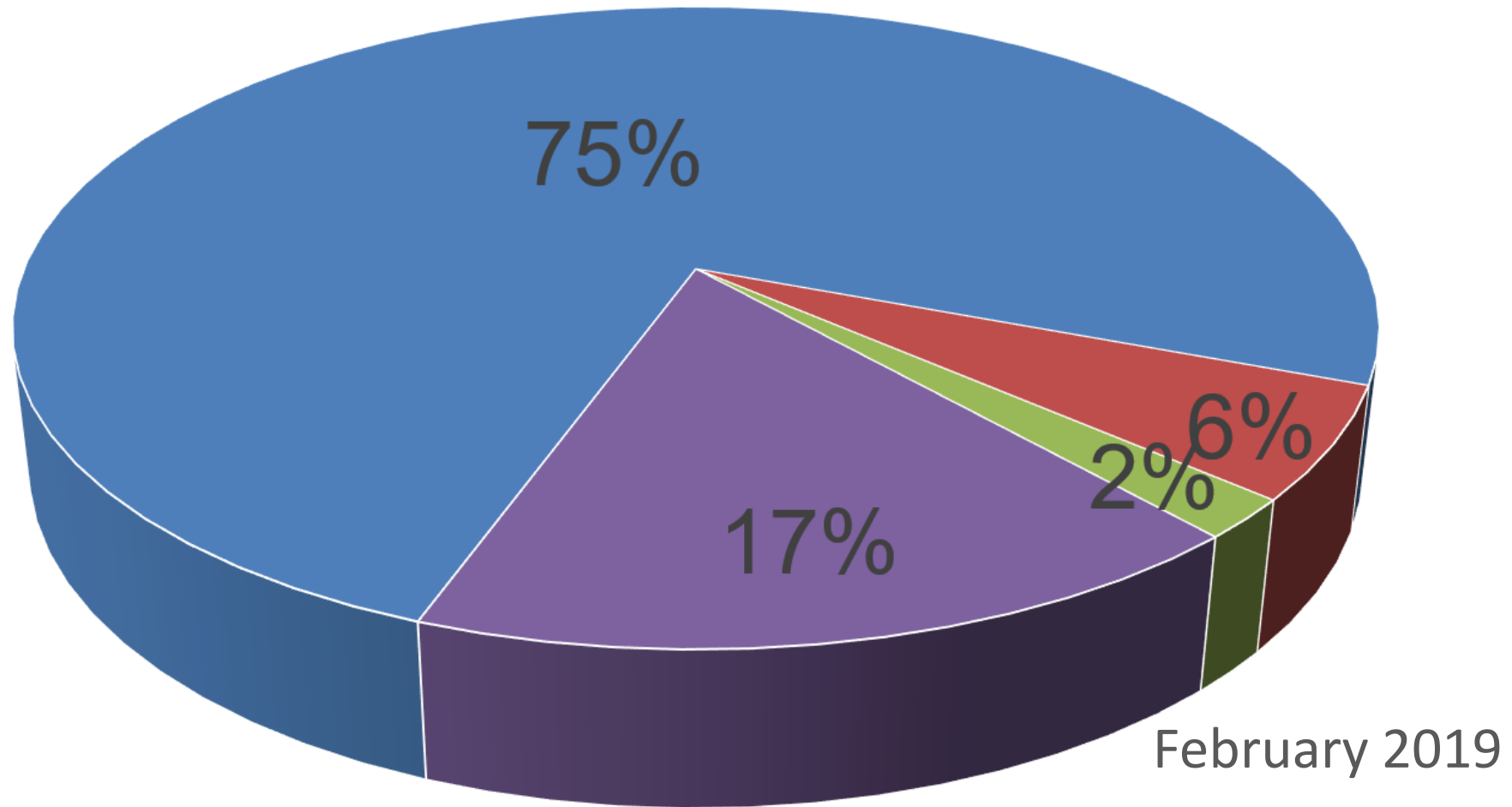
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,177,590	50,110	3,555	1,231,254
February	1,175,035	50,861	3,628	1,229,523
March	1,162,091	49,830	3,502	1,215,423
April	1,226,879	52,426	3,515	1,282,820
May	1,247,680	53,717	3,471	1,304,868
June	1,231,099	53,987	3,452	1,288,538
July	1,269,212	53,187	3,396	1,325,795
August	1,292,457	56,988	3,485	1,352,930
September	1,359,238	57,220	3,487	1,419,945
October	1,392,407	56,131	3,386	1,451,924
November	1,376,803	58,660	3,339	1,438,802
December	1,402,741	58,445	3,233	1,464,419



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

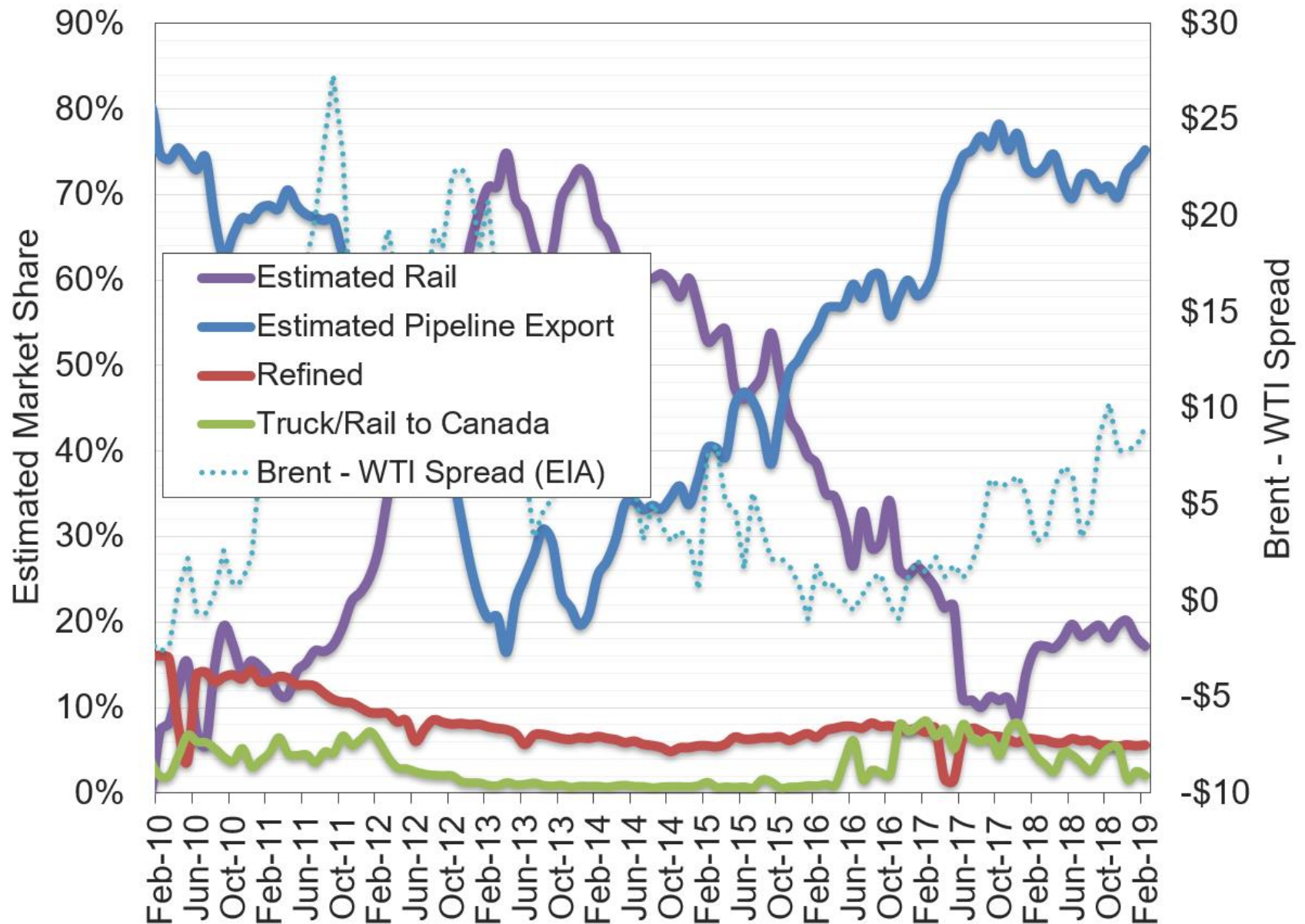
■ Truck/Rail to Canada

■ Refined

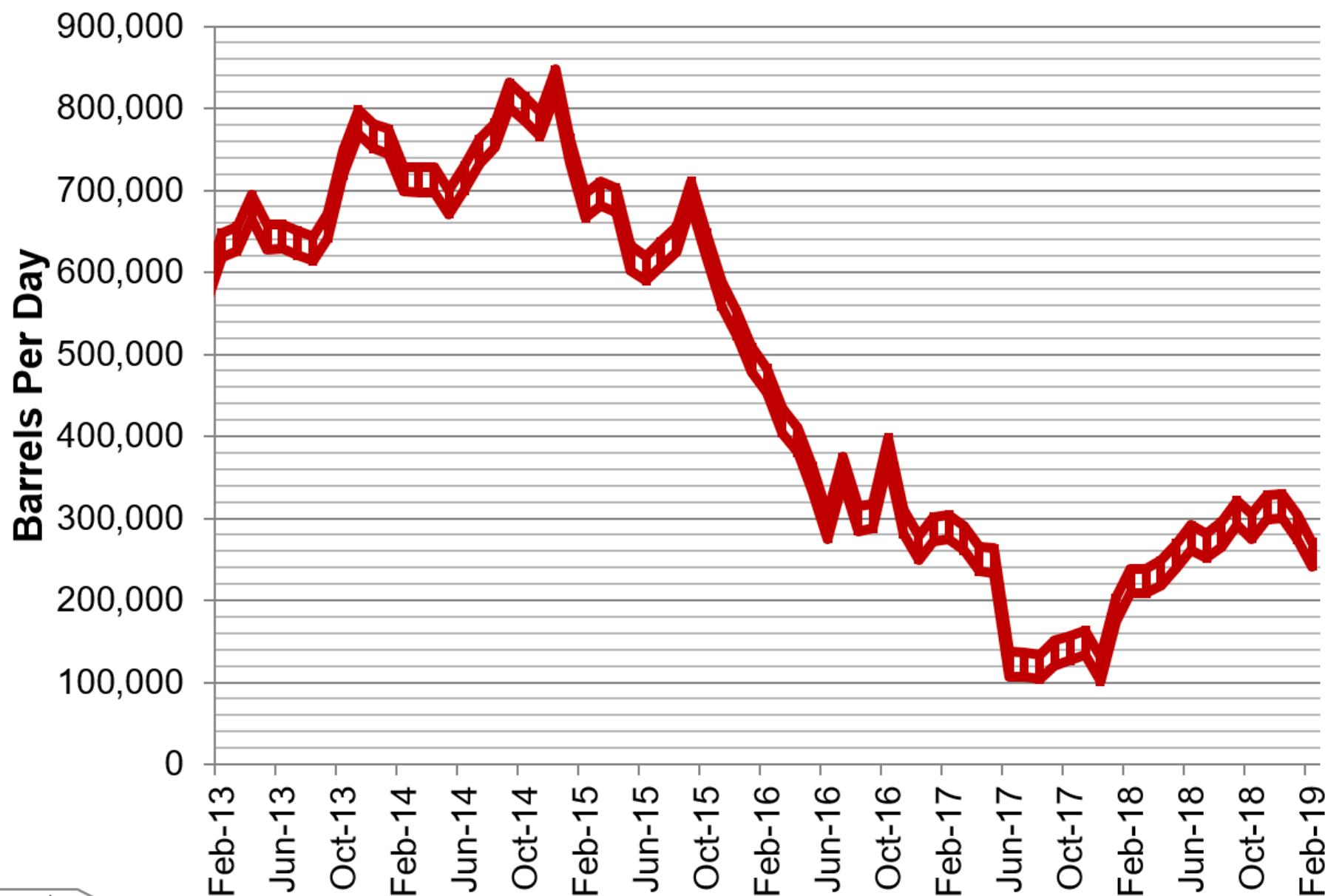
■ Estimated Rail



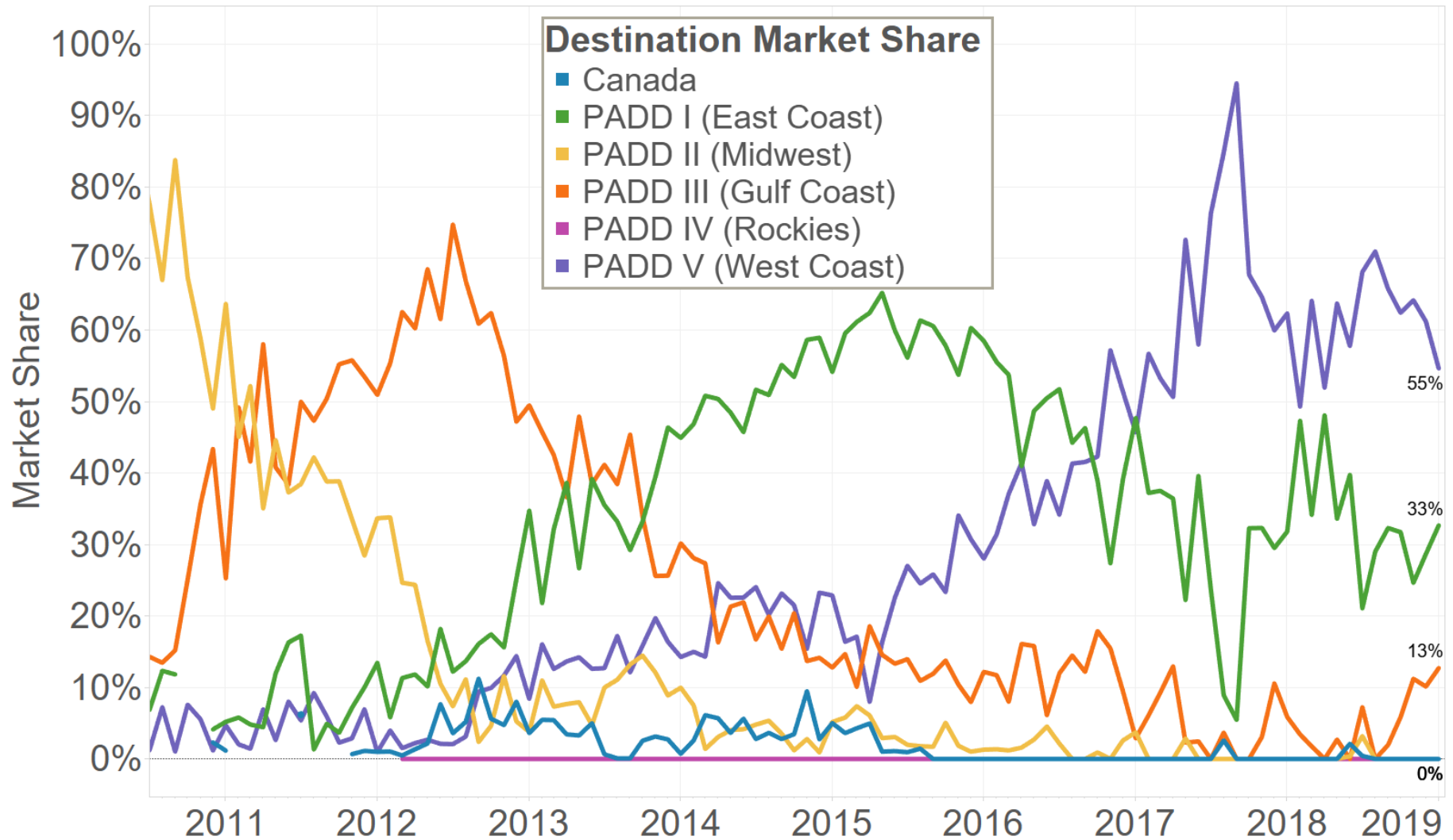
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



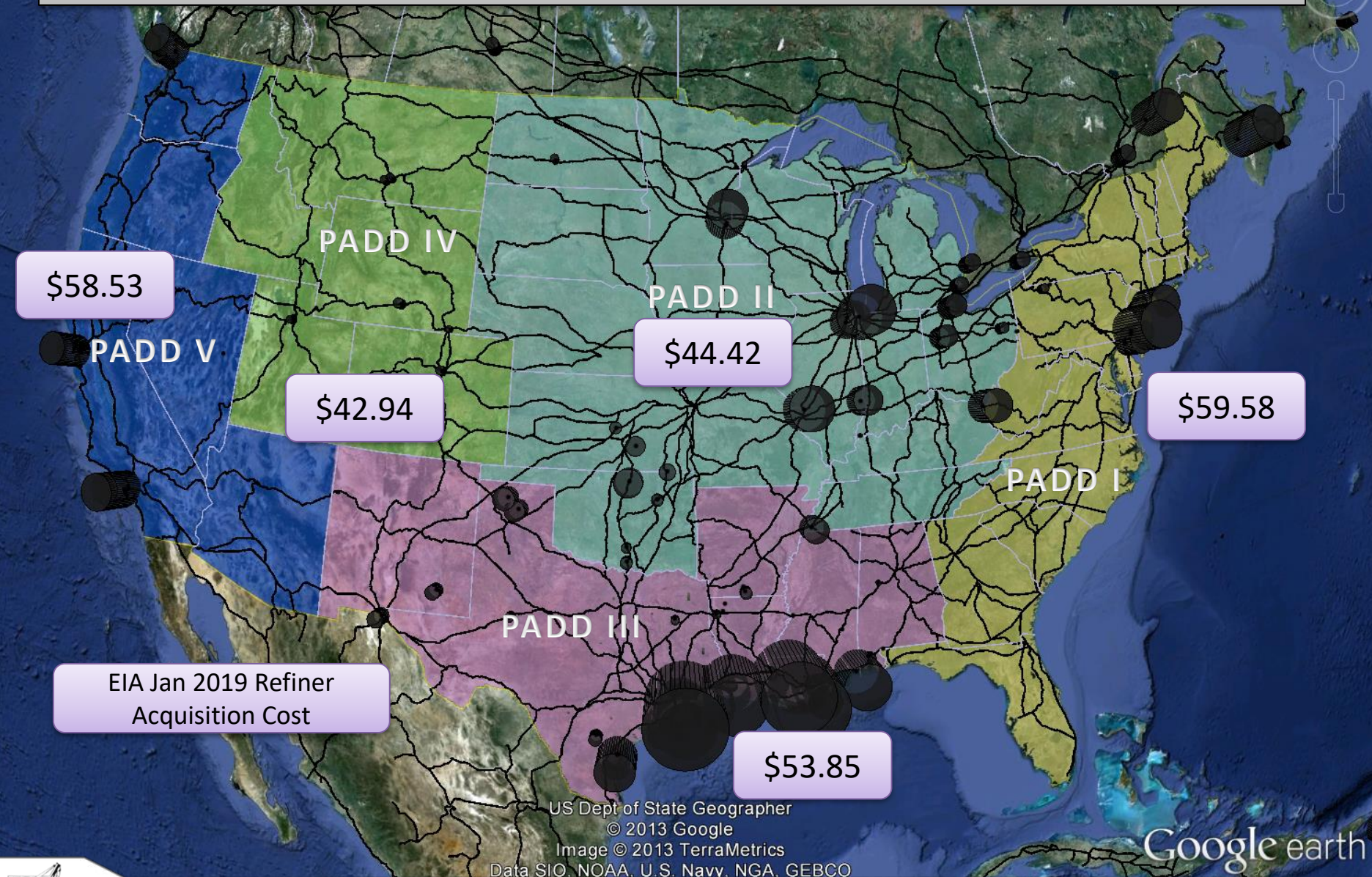
Rail Destinations Market Share (Jan. 2019)



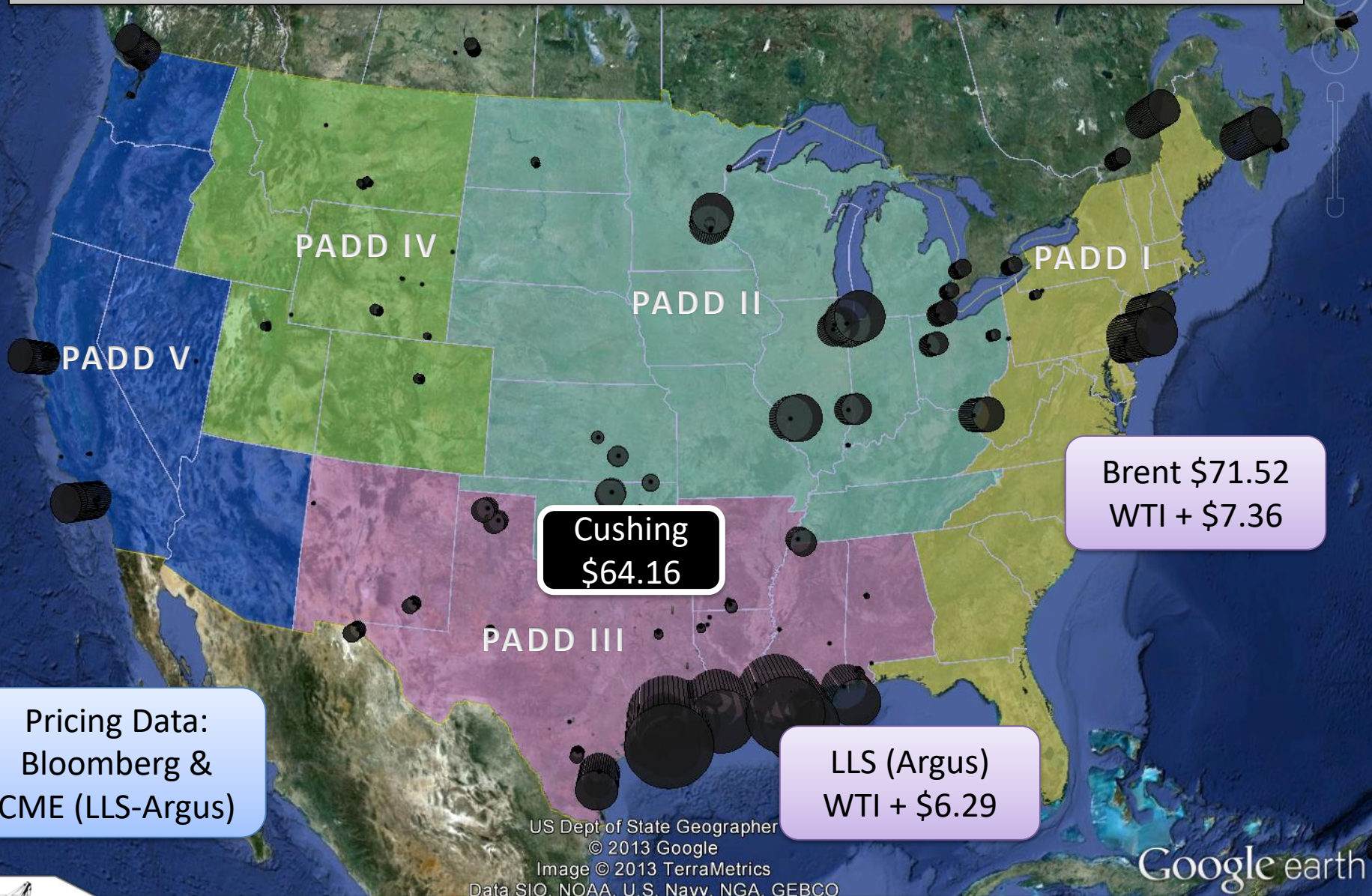
Data for Rail Destination Market Share Provided by the US Energy Information Administration



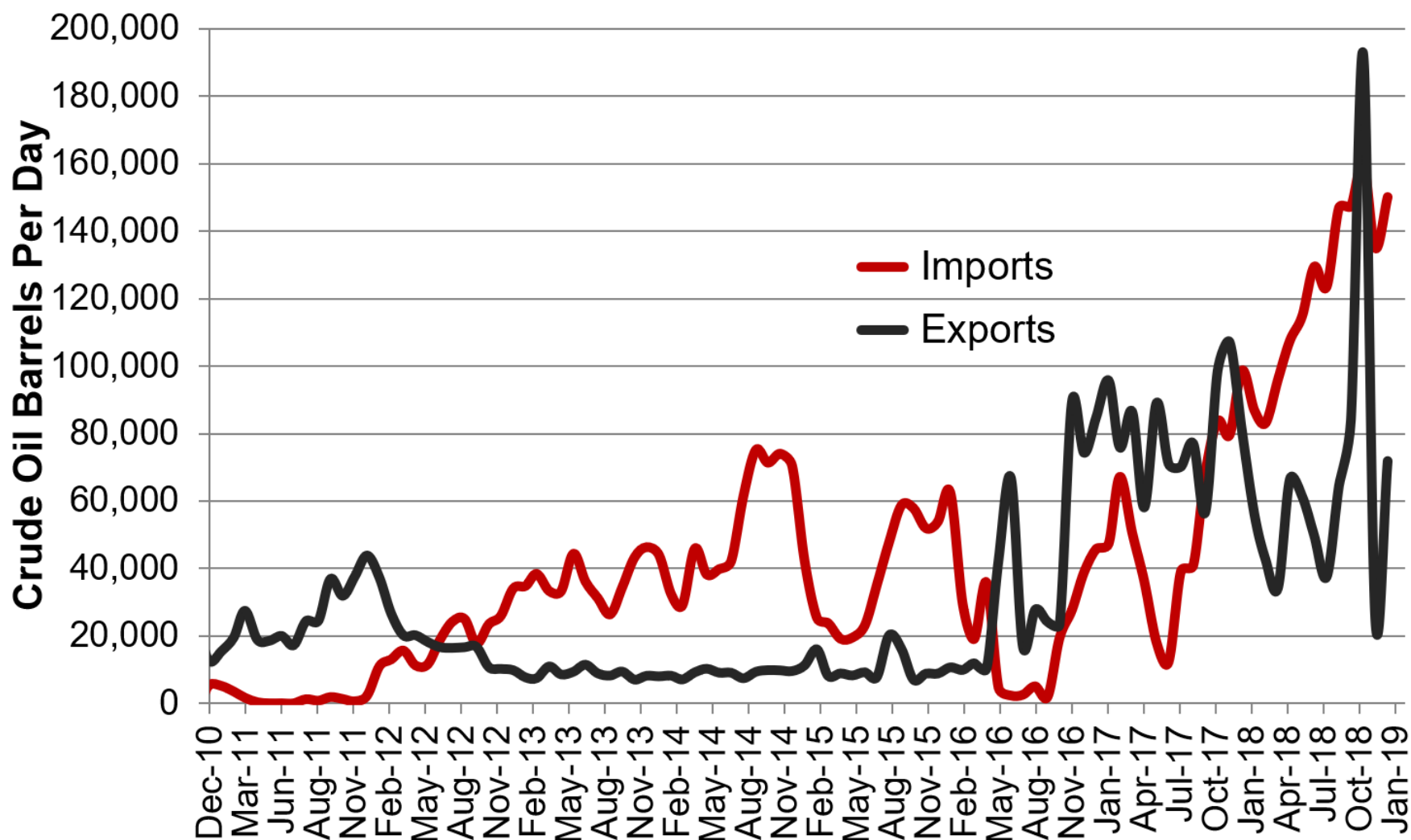
Major Rail Lines and Refineries



Crude Oil Prices – April 12, 2019



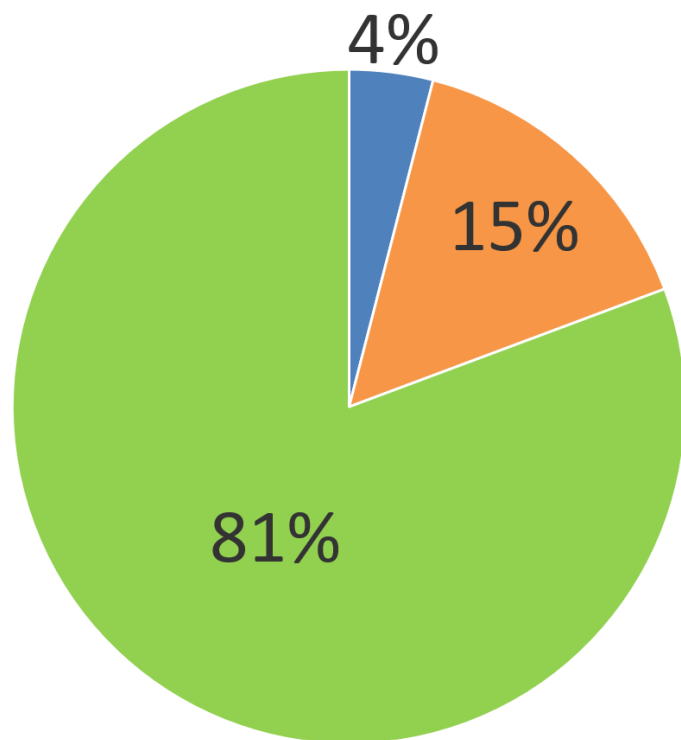
Williston Basin Truck/Rail Imports and Exports with Canada



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.

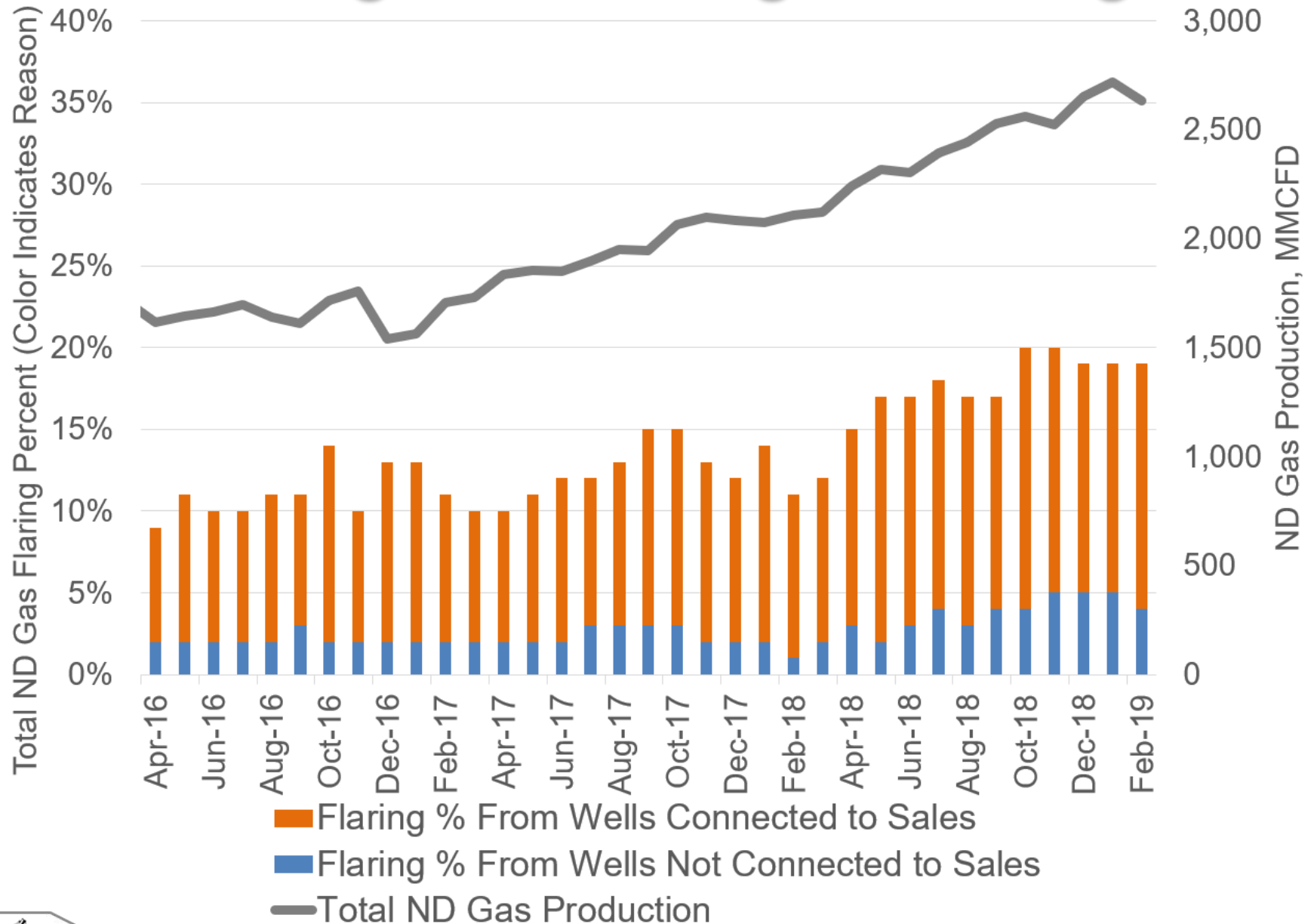
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

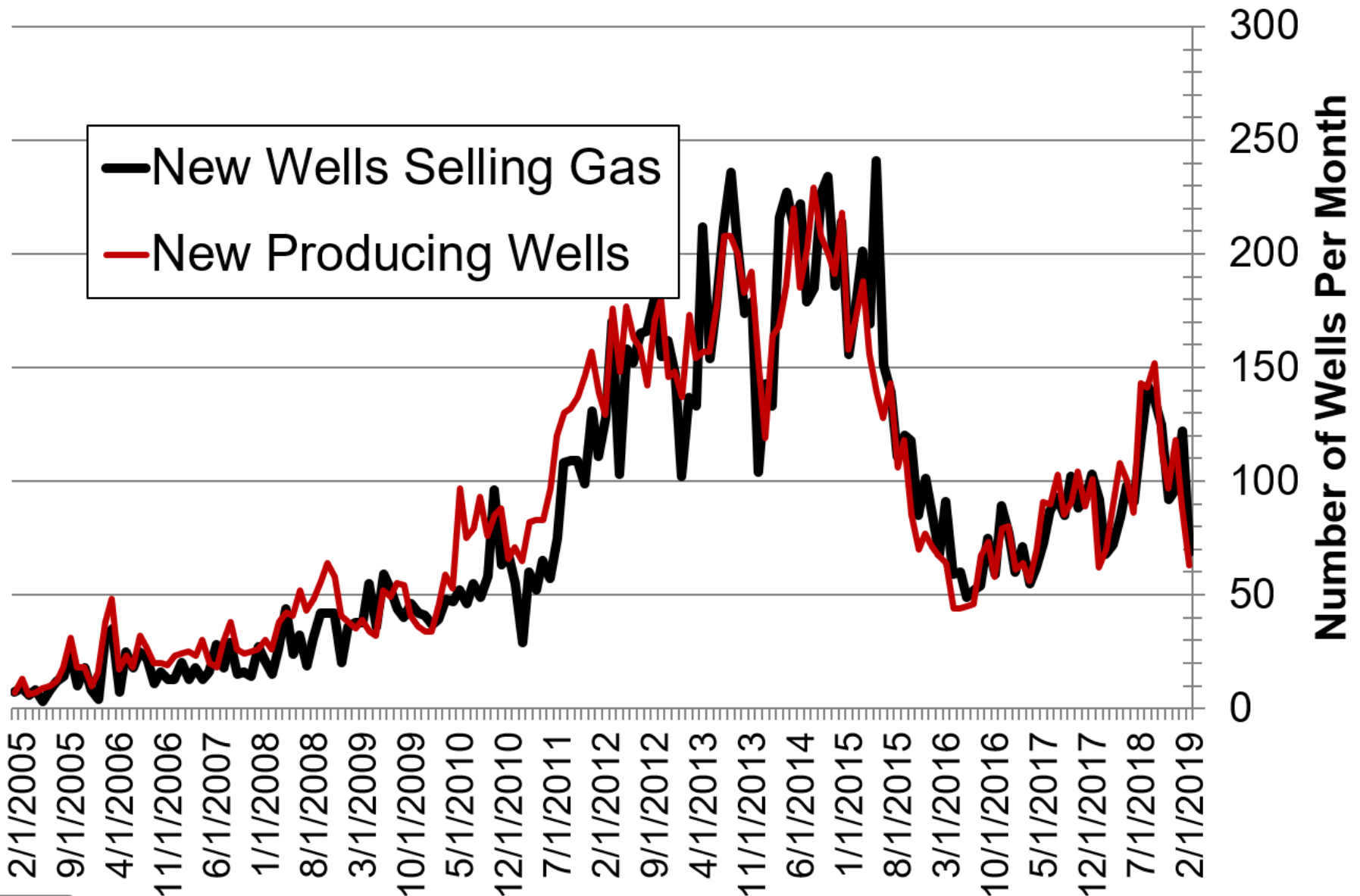
February 2019 Data – Non-Confidential Wells



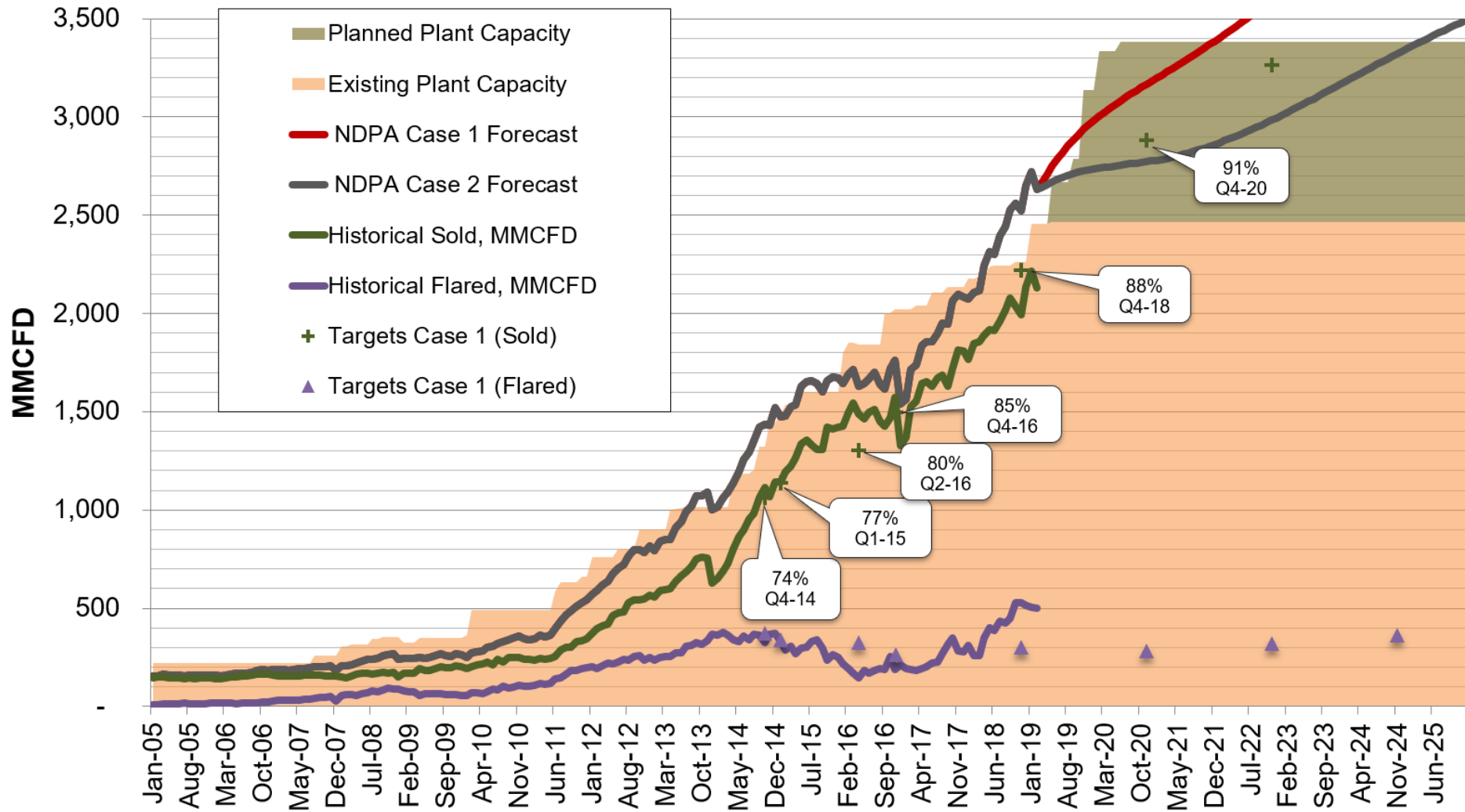
Solving the Flaring Challenge



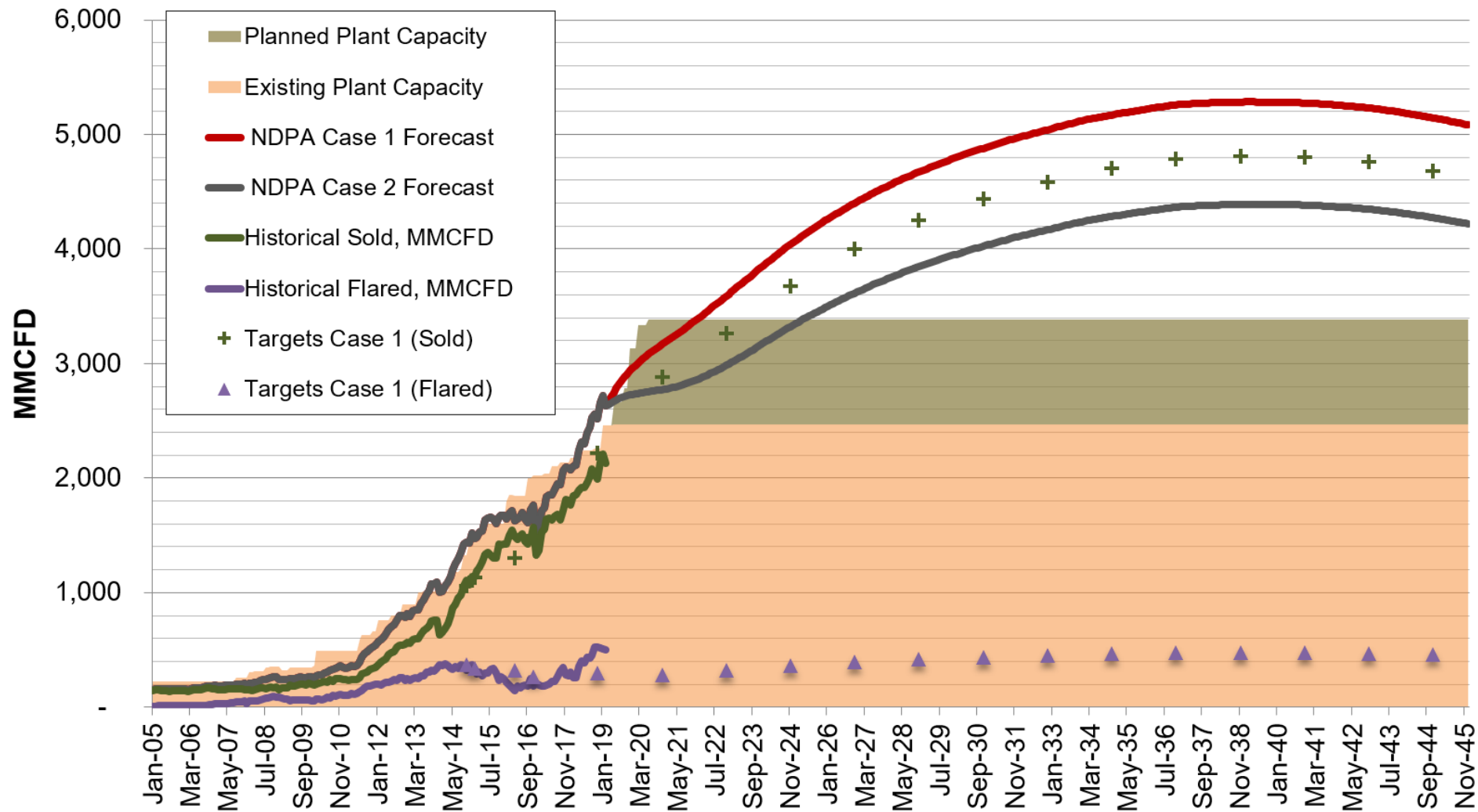
Solving the Flaring Challenge



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Solving the Flaring Challenge



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