



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

US Williston Basin Oil Production - 2019

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,403,808	57,500	3,276	1,464,584
February	1,335,591	54,319	3,339	1,393,249
March	1,390,138			
April				
May				
June				
July				
August				
September				
October				
November				
December				

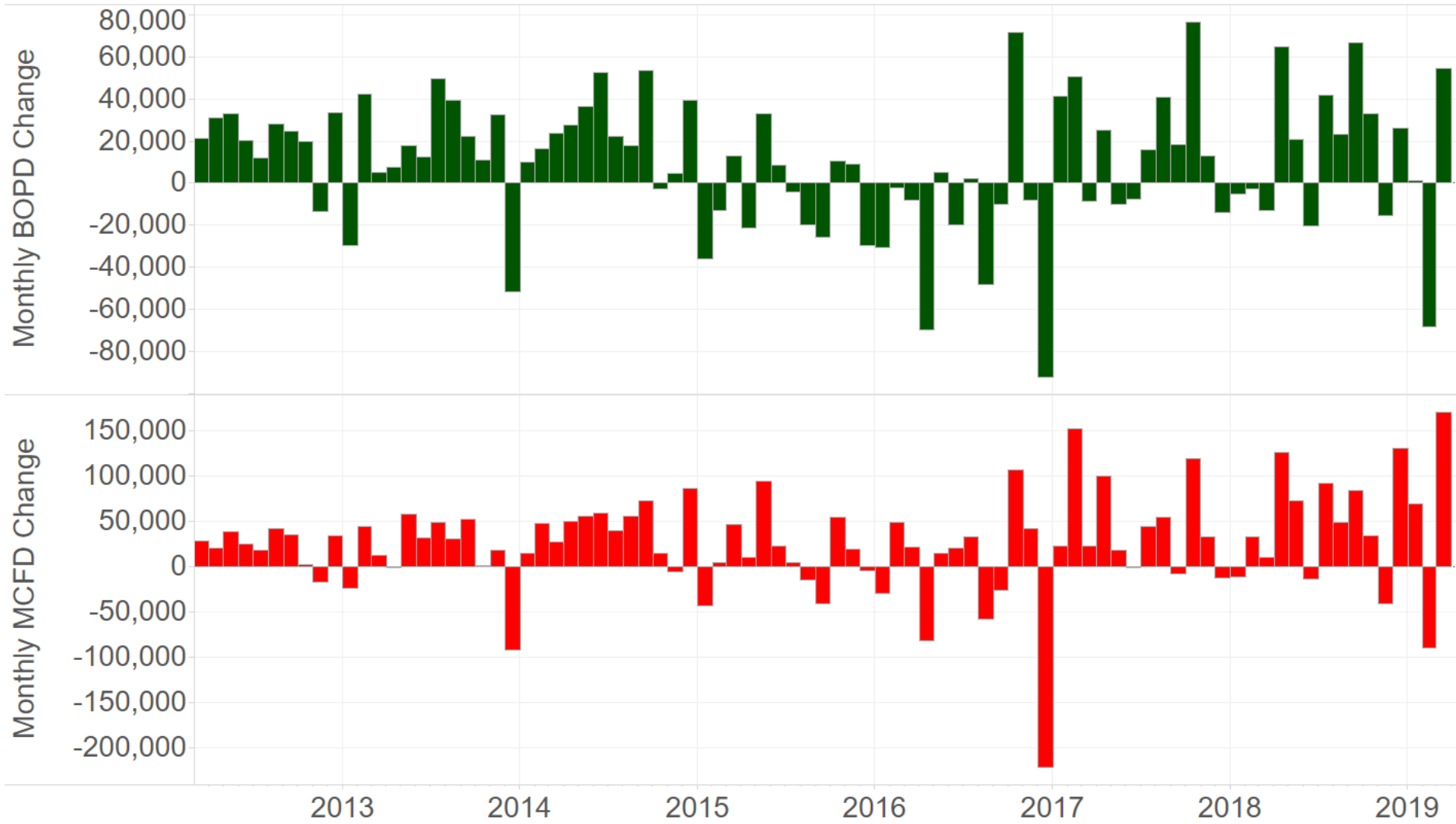


US Williston Basin Oil Production - 2018

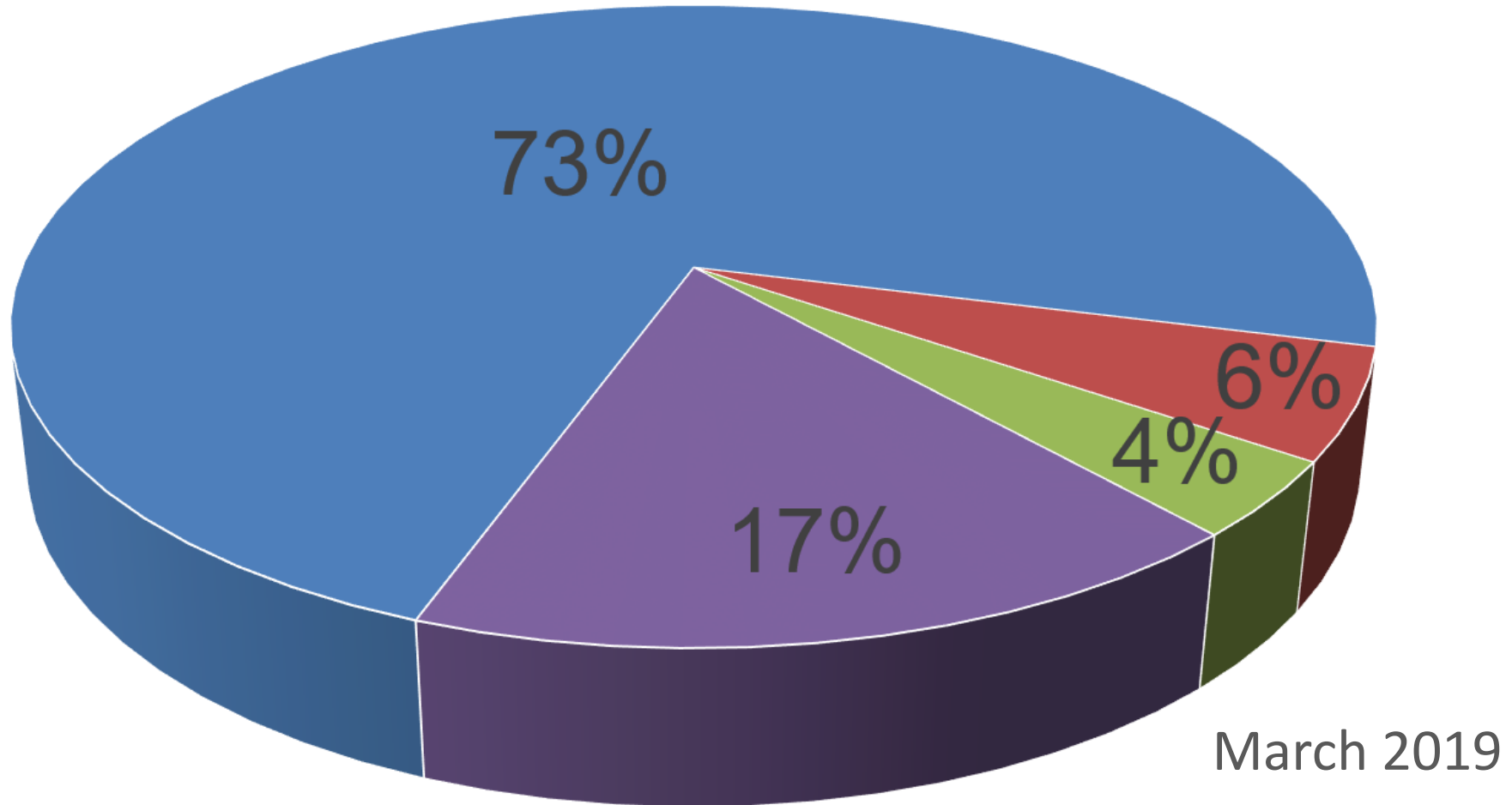
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,177,590	50,127	3,555	1,231,272
February	1,175,035	50,900	3,628	1,229,563
March	1,162,091	49,892	3,502	1,215,485
April	1,226,879	52,415	3,515	1,282,809
May	1,247,680	53,733	3,471	1,304,884
June	1,231,099	53,994	3,452	1,288,545
July	1,269,212	53,155	3,396	1,325,763
August	1,292,457	57,018	3,485	1,352,960
September	1,359,238	57,255	3,487	1,419,980
October	1,392,407	56,149	3,386	1,451,942
November	1,376,803	58,724	3,339	1,438,866
December	1,401,385	58,587	3,233	1,463,205



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

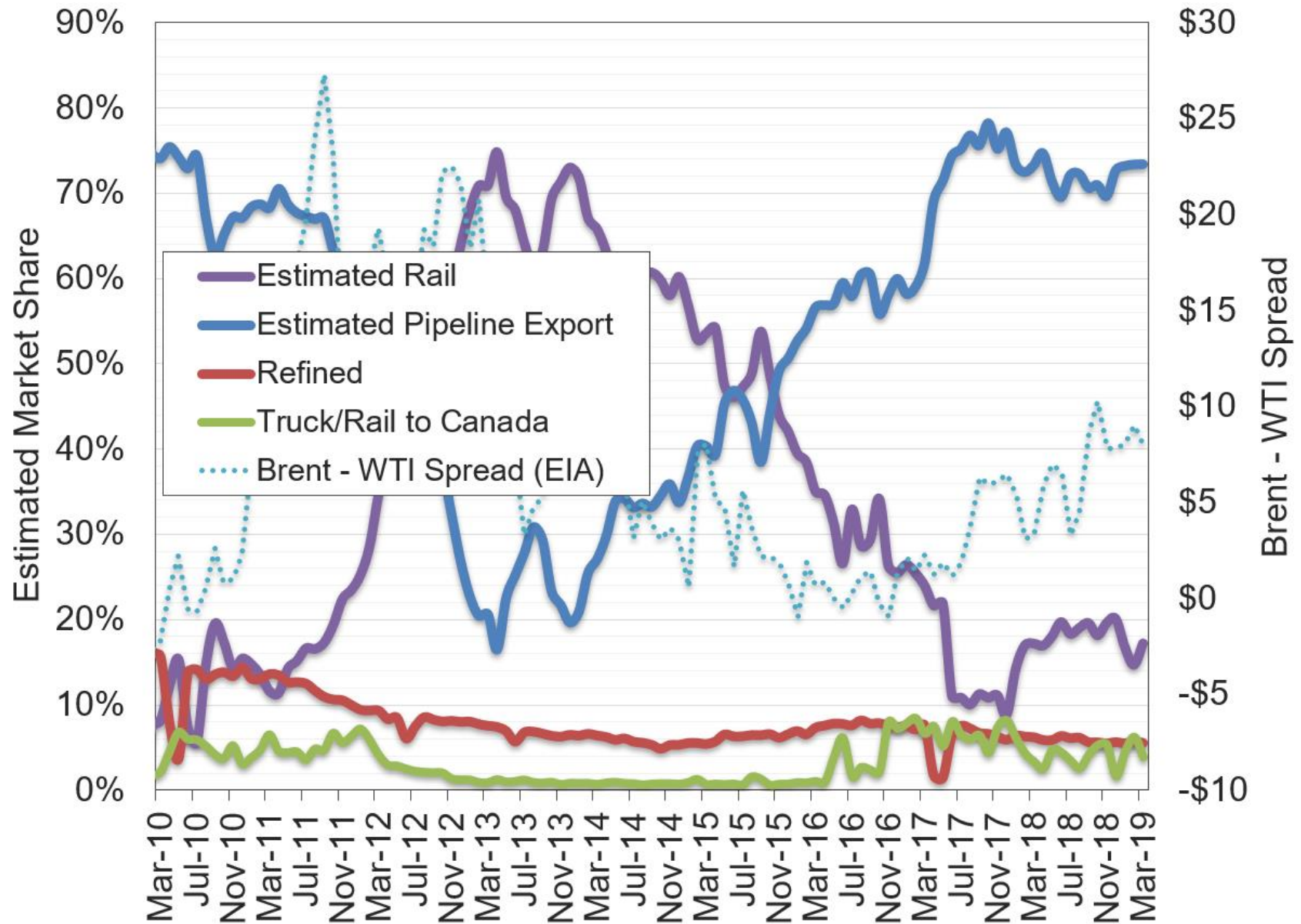
■ Truck/Rail to Canada

■ Refined

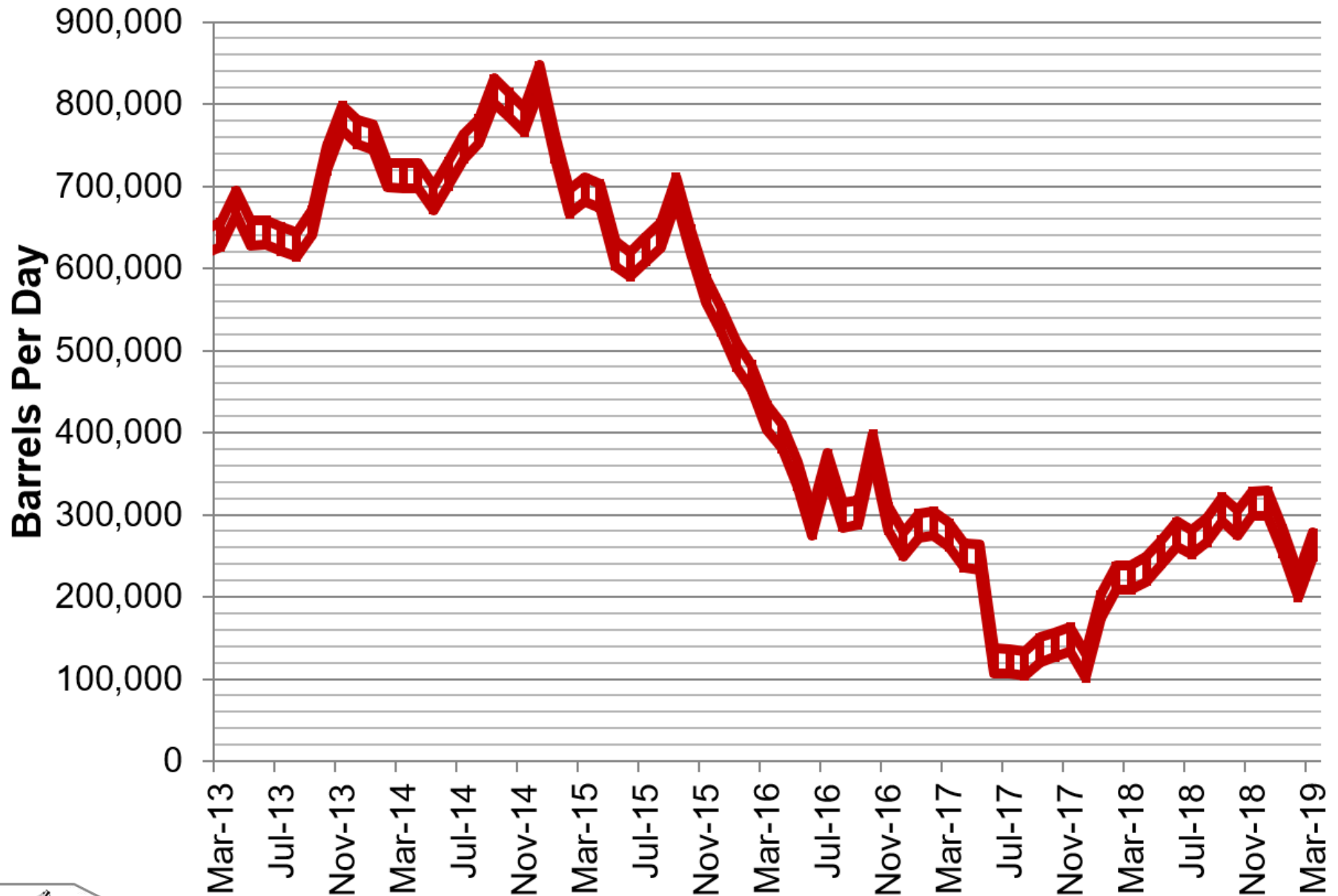
■ Estimated Rail



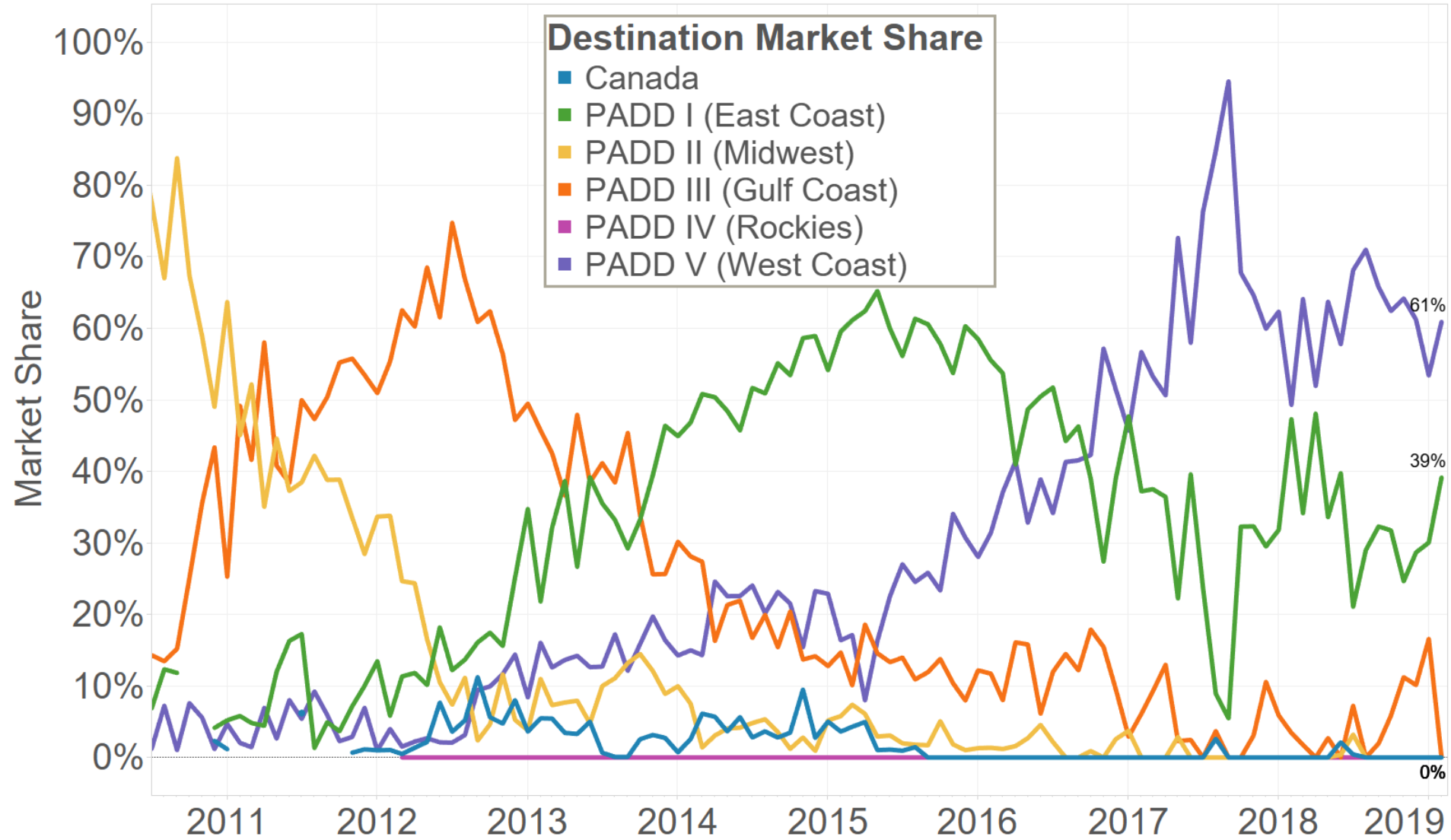
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



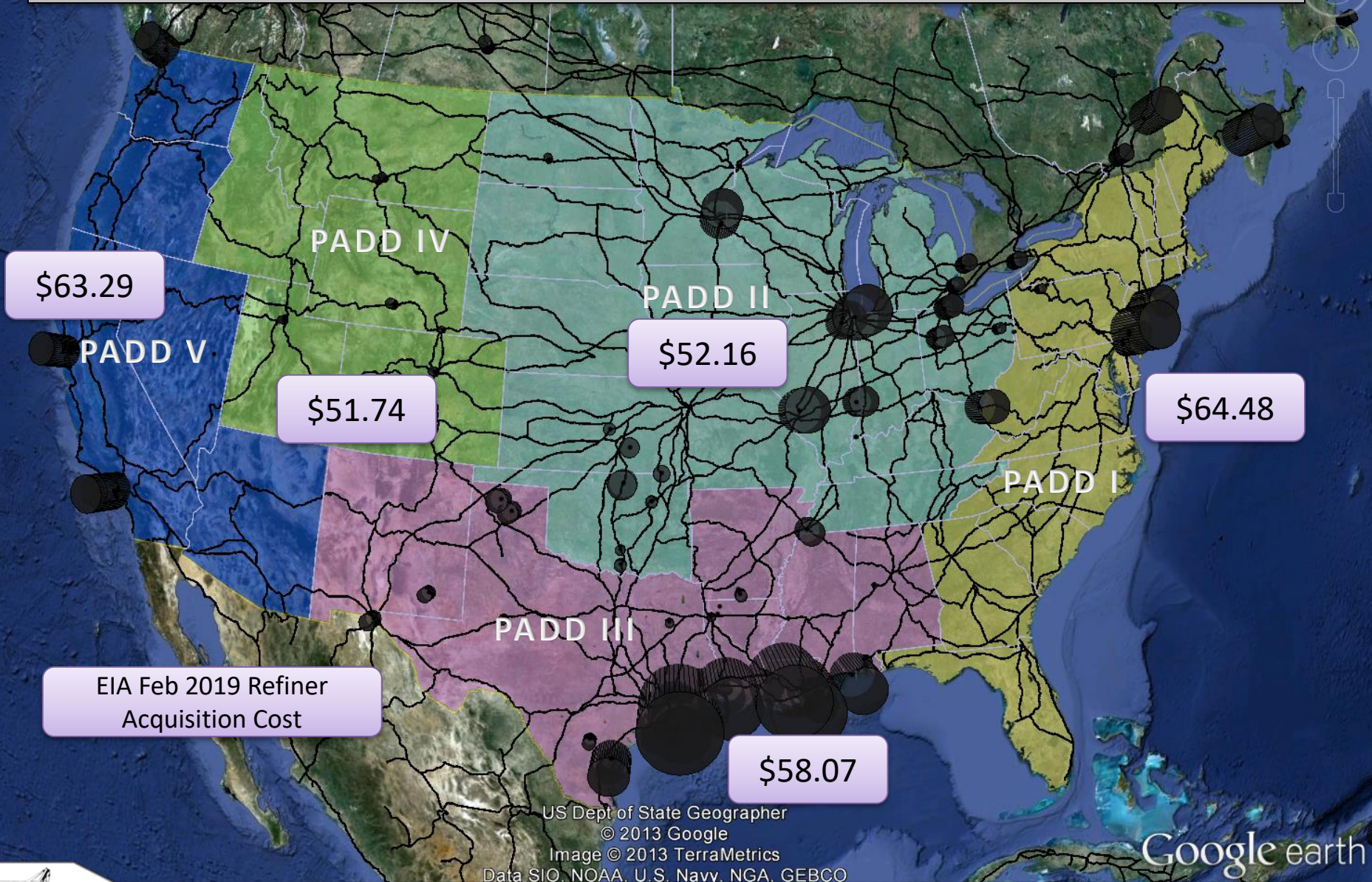
Rail Destinations Market Share (Feb. 2019)



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



Major Rail Lines and Refineries

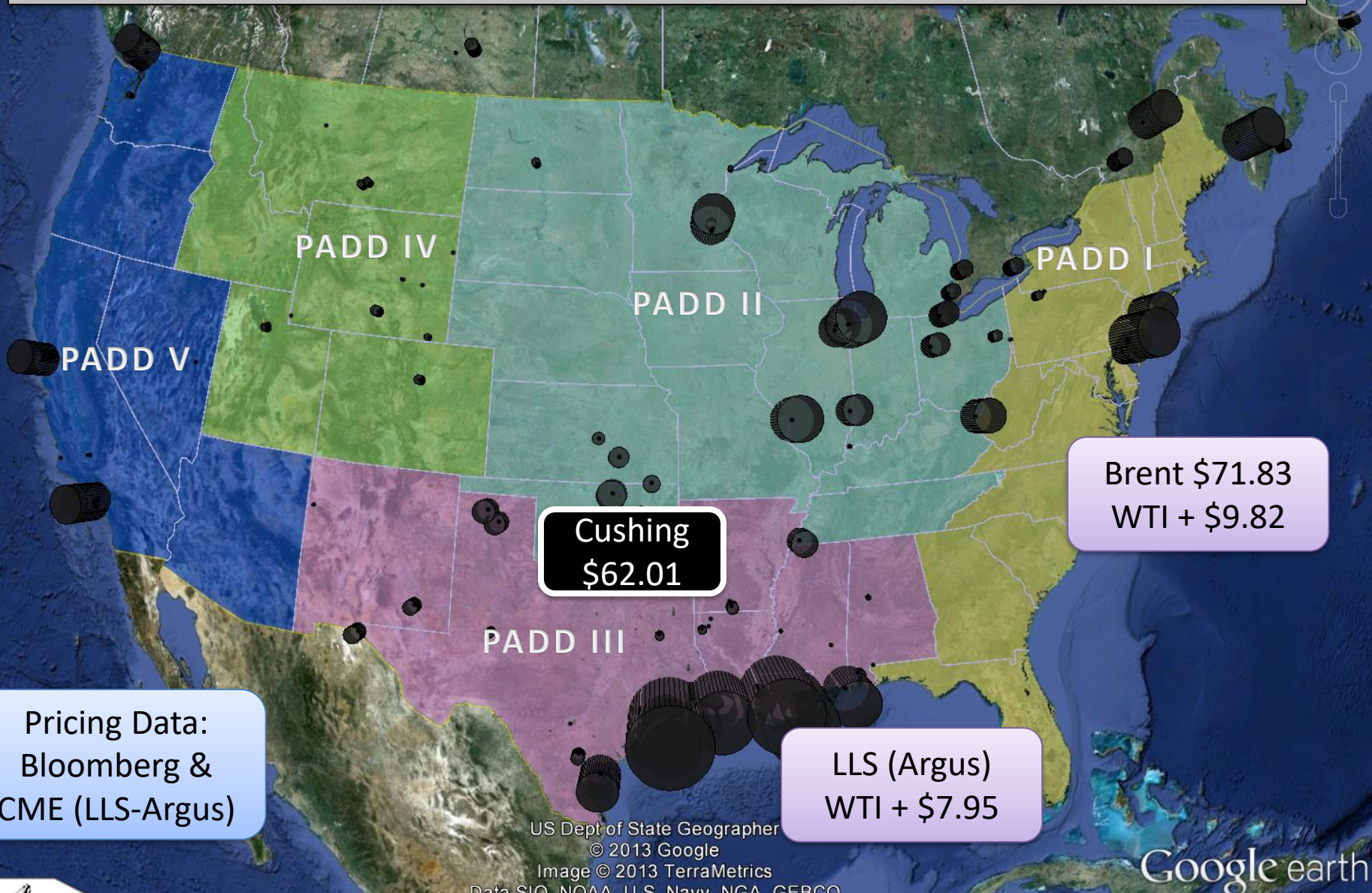


US Dept of State Geographer
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Image © 2013 TerraMetrics
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

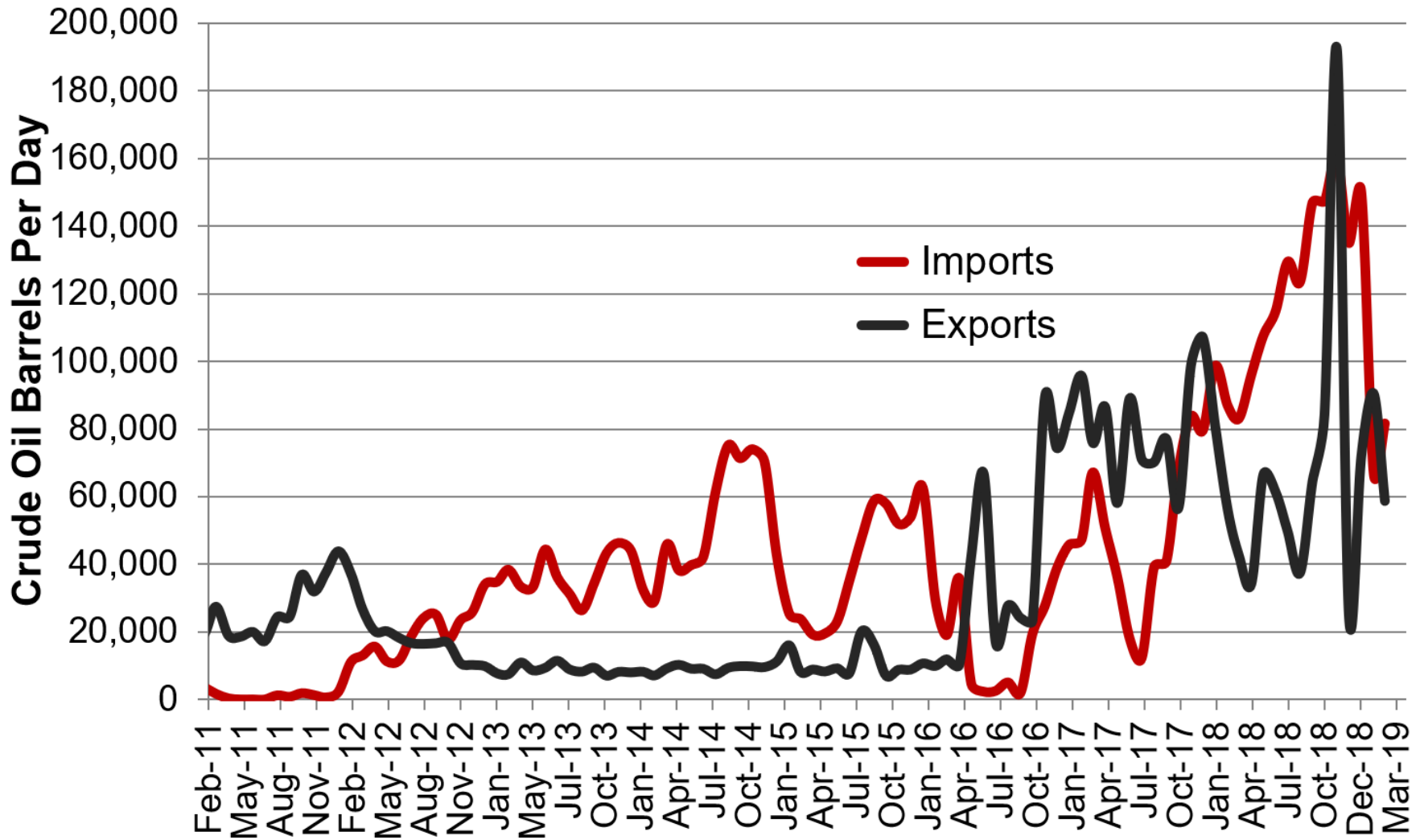
Google earth



Crude Oil Prices – May 15, 2019



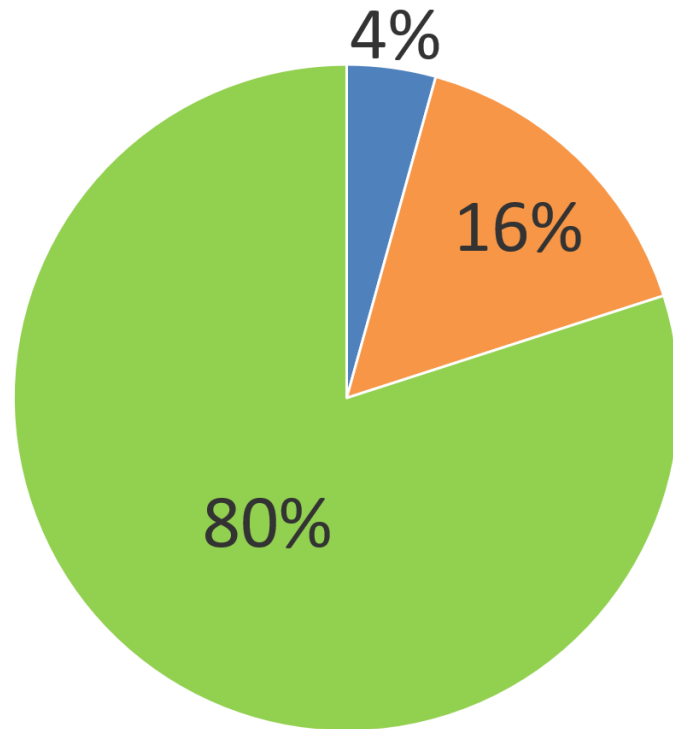
Williston Basin Truck/Rail Imports and Exports with Canada



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.

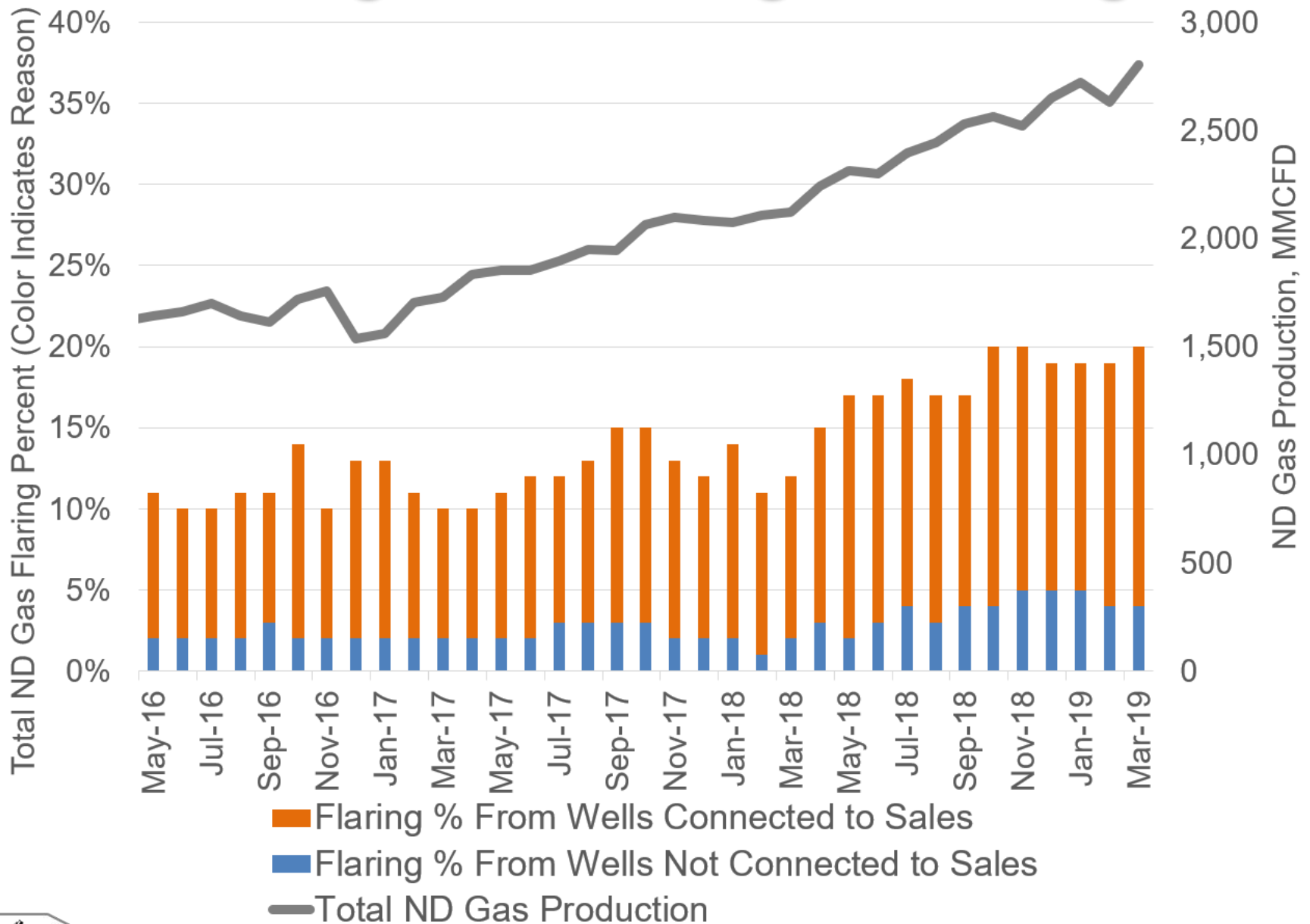
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

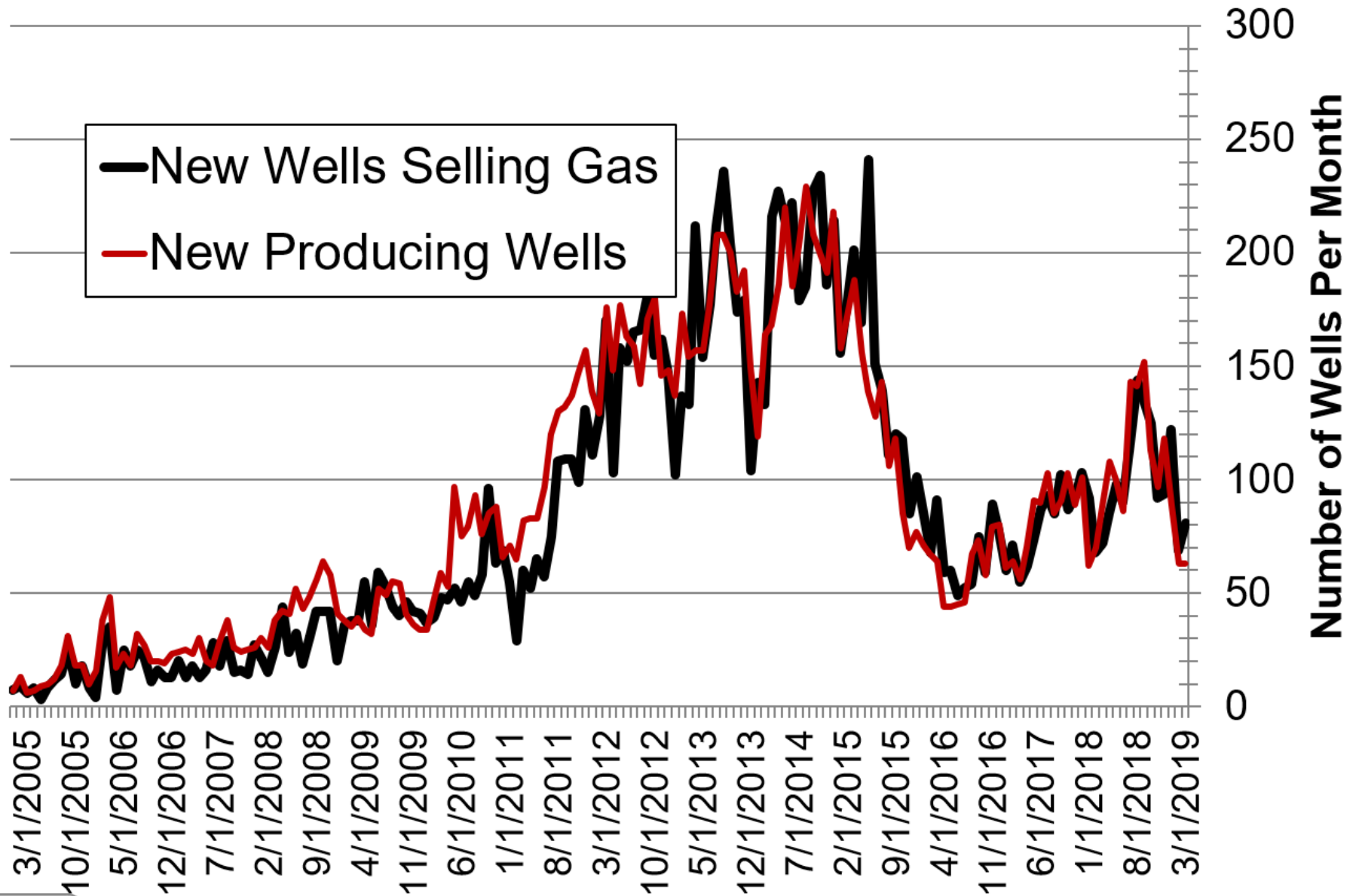
March 2019 Data – Non-Confidential Wells



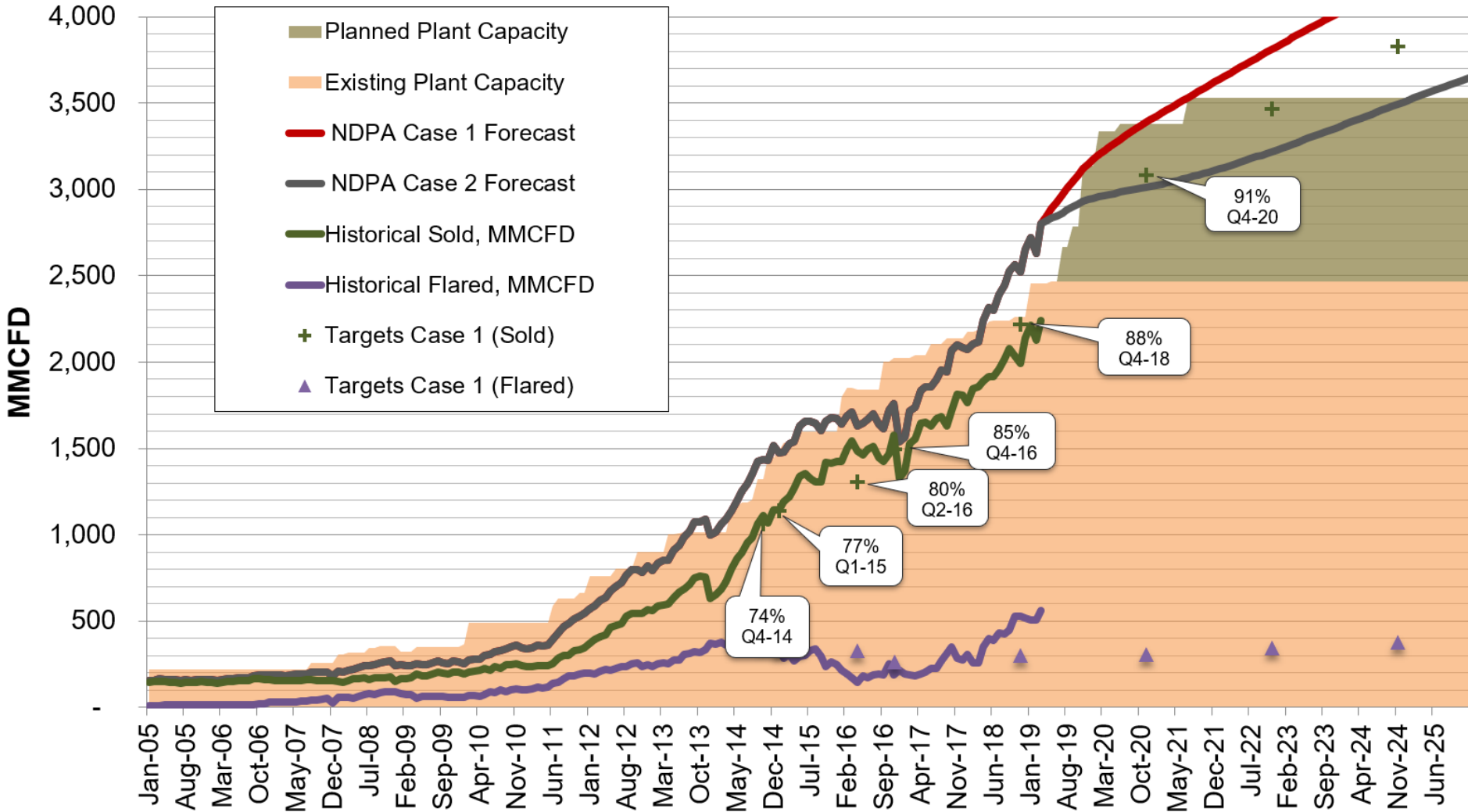
Solving the Flaring Challenge



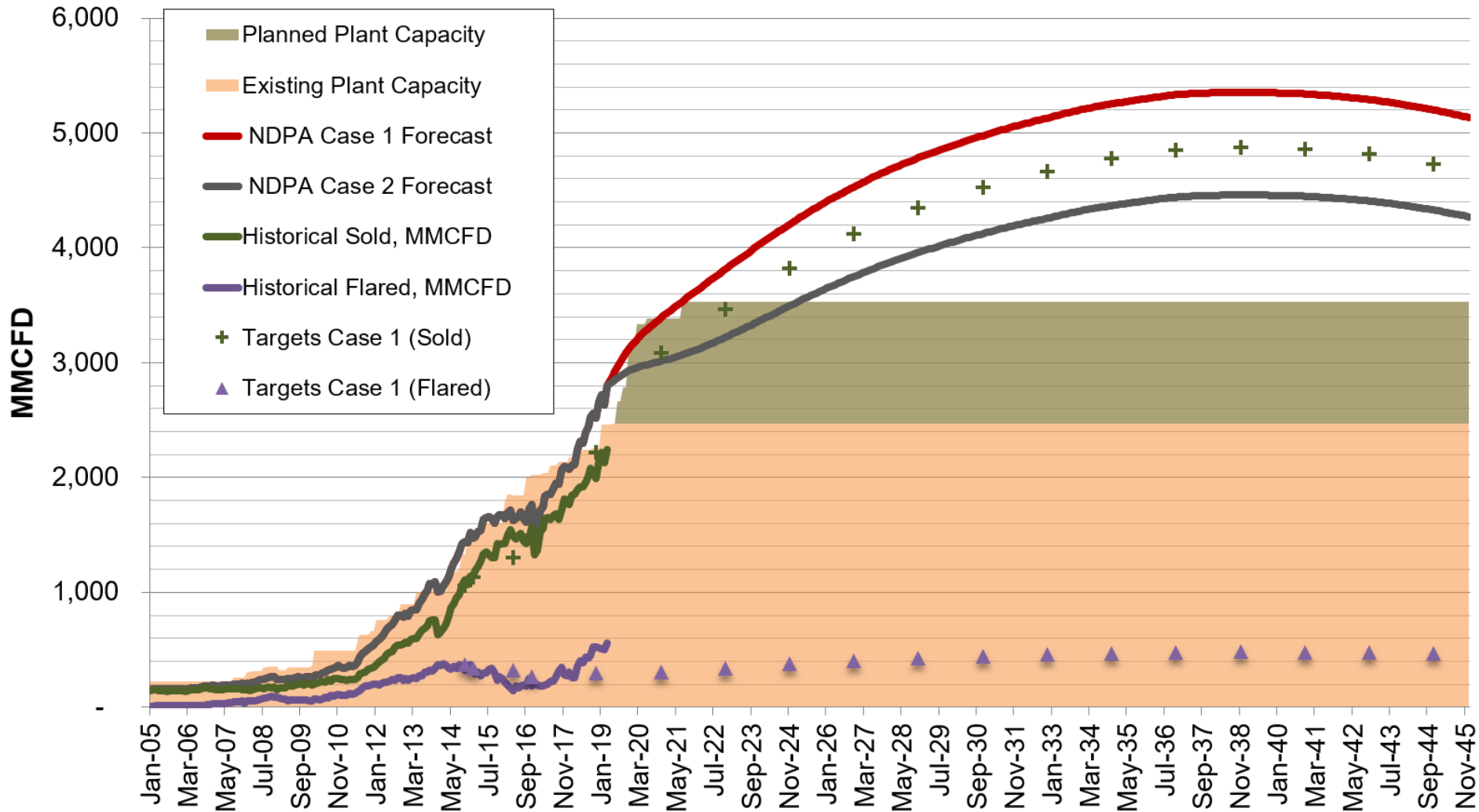
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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