



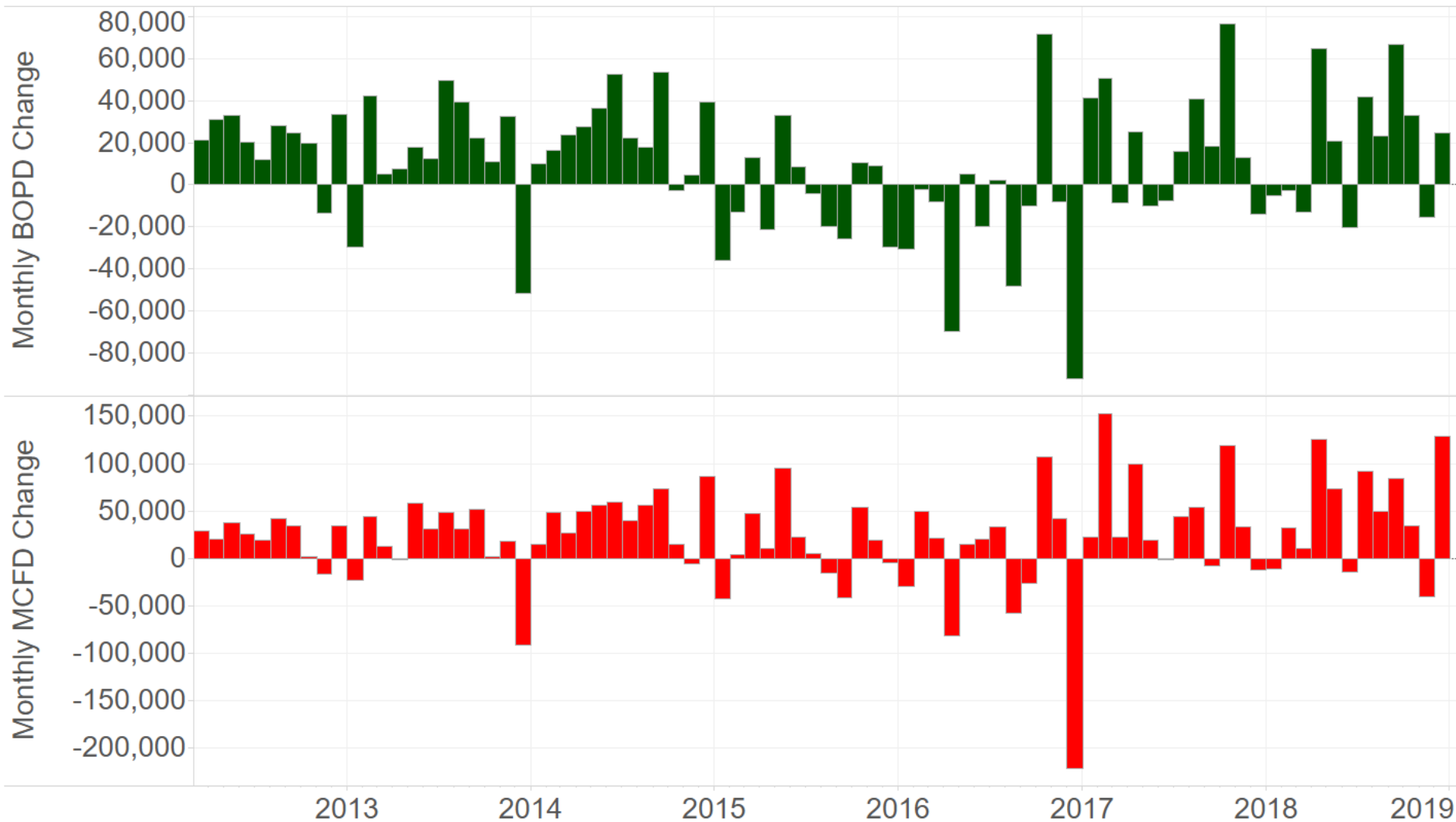
February 2019 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
February 15, 2019

US Williston Basin Oil Production - 2018

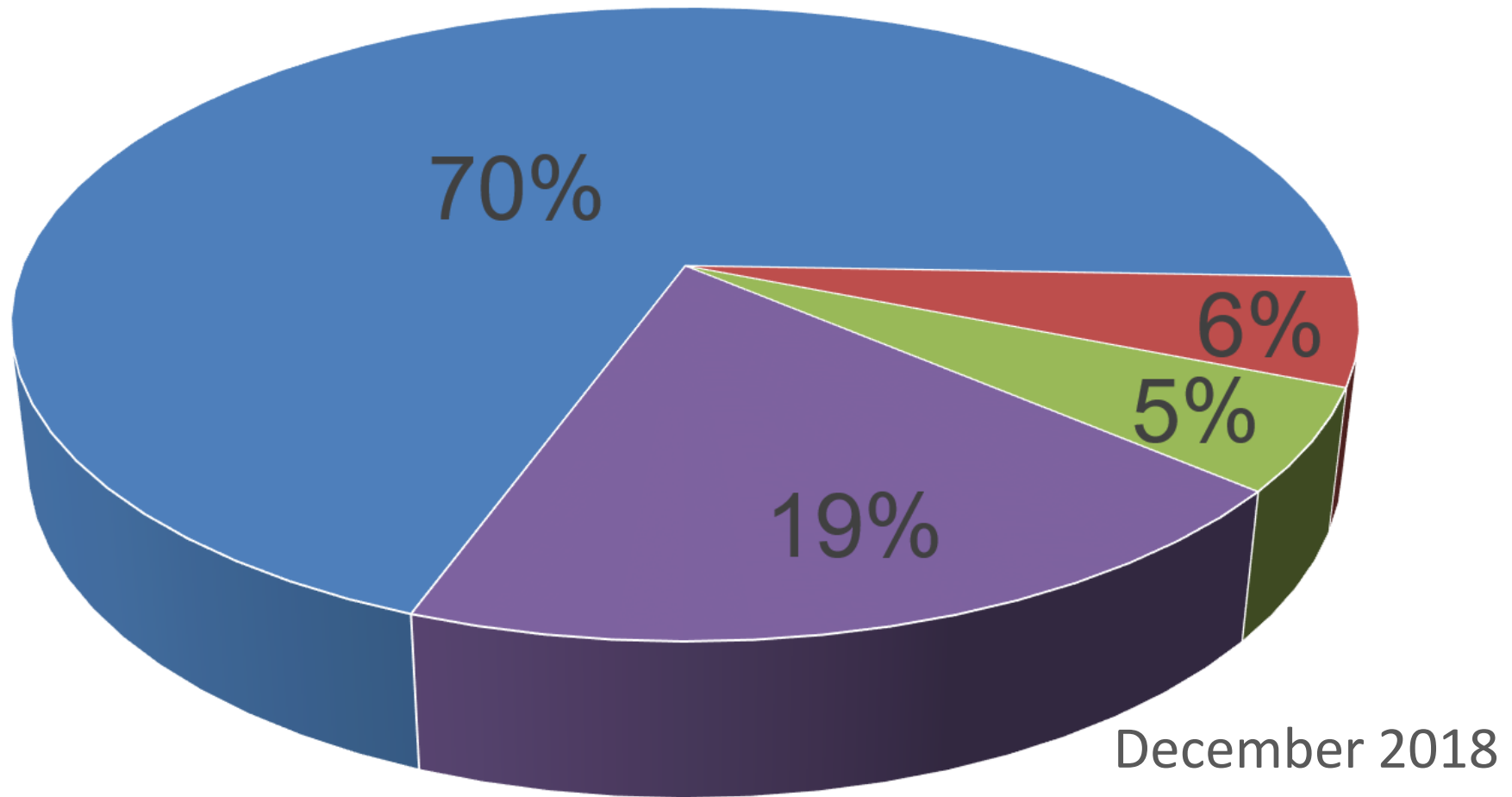
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,177,640	50,110	3,555	1,231,304
February	1,175,080	50,861	3,628	1,229,568
March	1,162,129	49,830	3,502	1,215,461
April	1,226,944	52,426	3,515	1,282,885
May	1,247,756	53,717	3,471	1,304,944
June	1,227,443	53,987	3,443	1,284,873
July	1,269,313	53,187	3,377	1,325,877
August	1,292,513	56,988	3,471	1,352,972
September	1,359,281	57,209	3,475	1,419,965
October	1,392,369	56,125	3,375	1,451,869
November	1,376,803	56,475	3,320	1,436,598
December	1,401,385			



Monthly Production Change



Estimated Williston Basin Oil Transportation



■ Pipeline Export

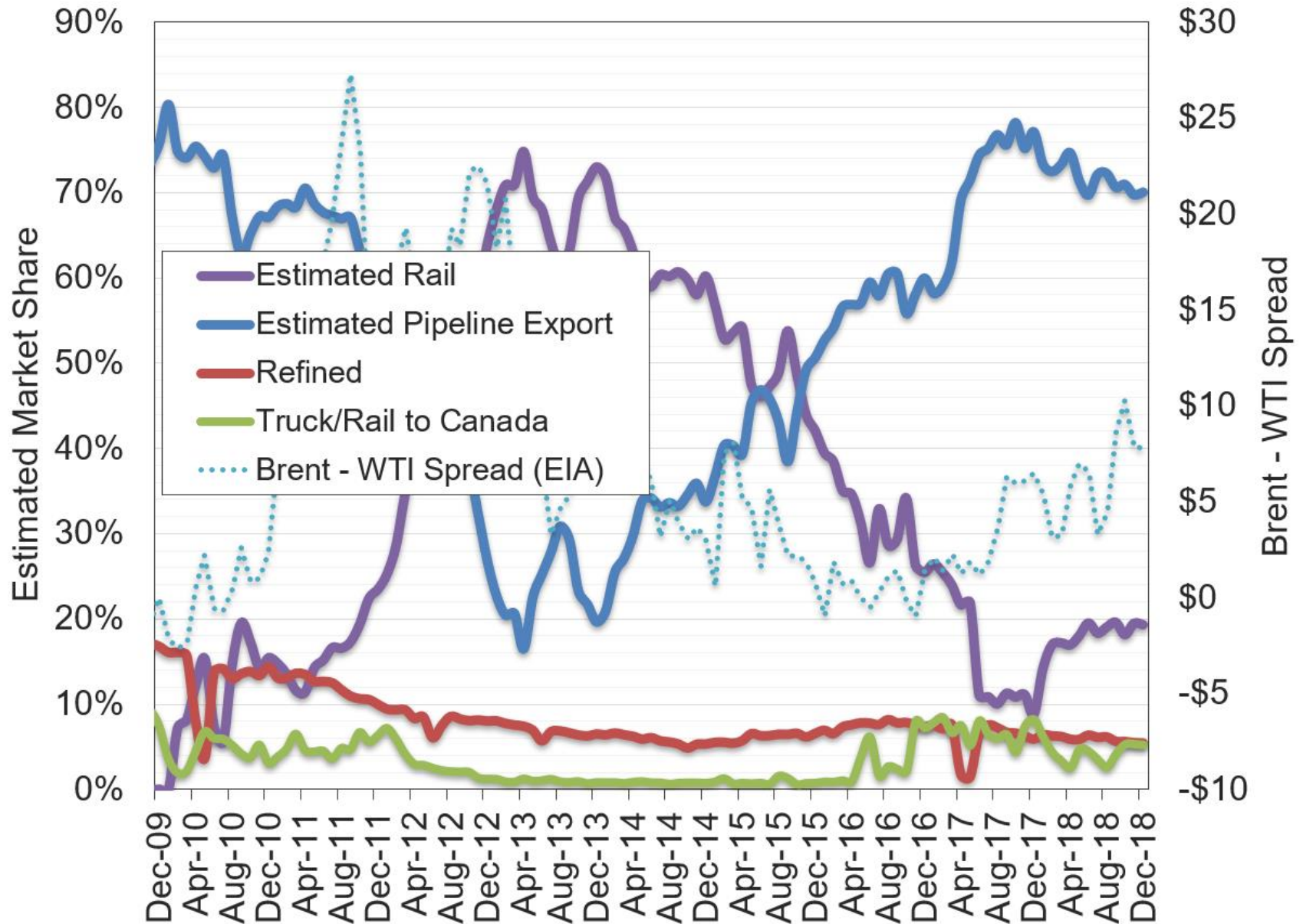
■ Truck/Rail to Canada

■ Refined

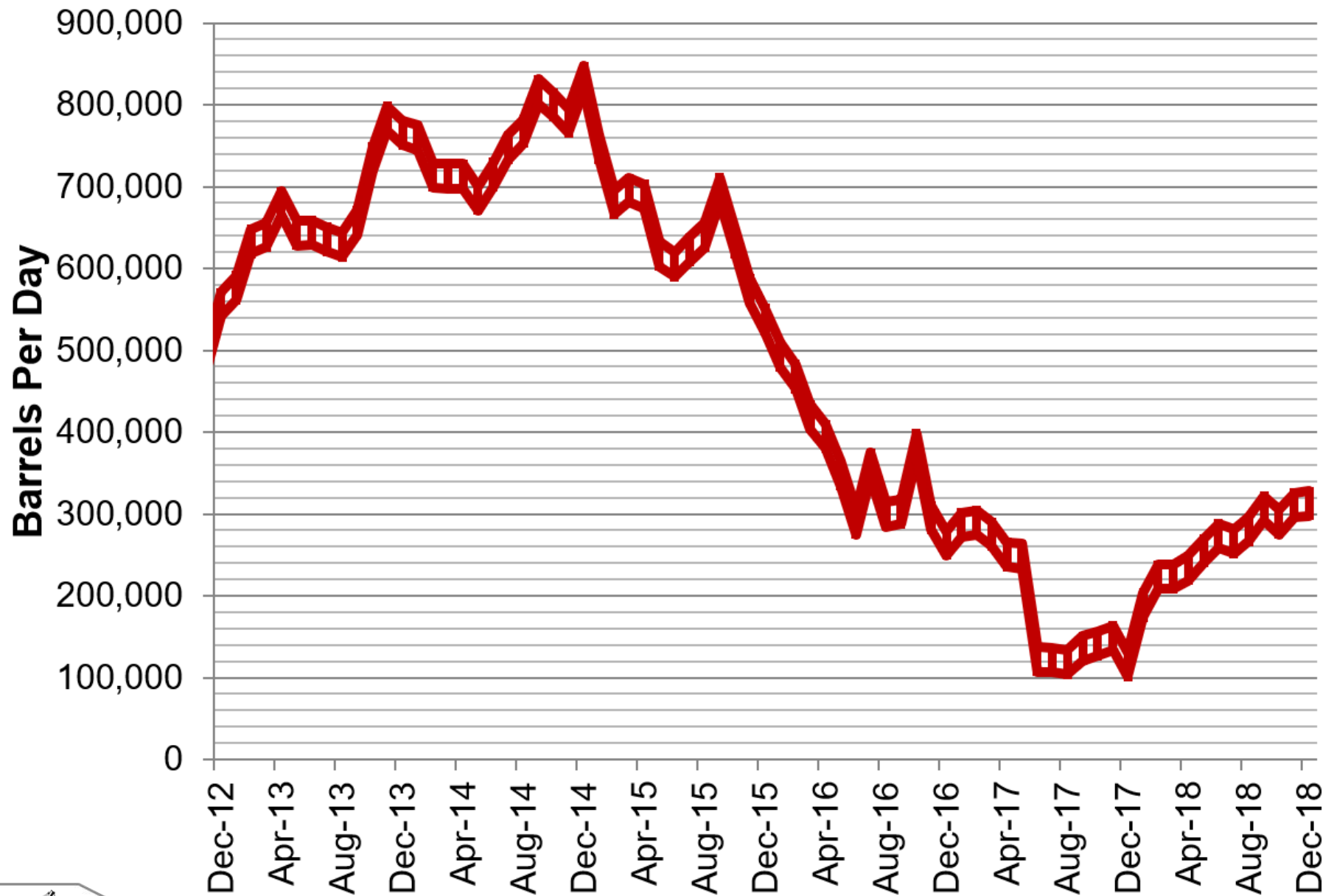
■ Estimated Rail



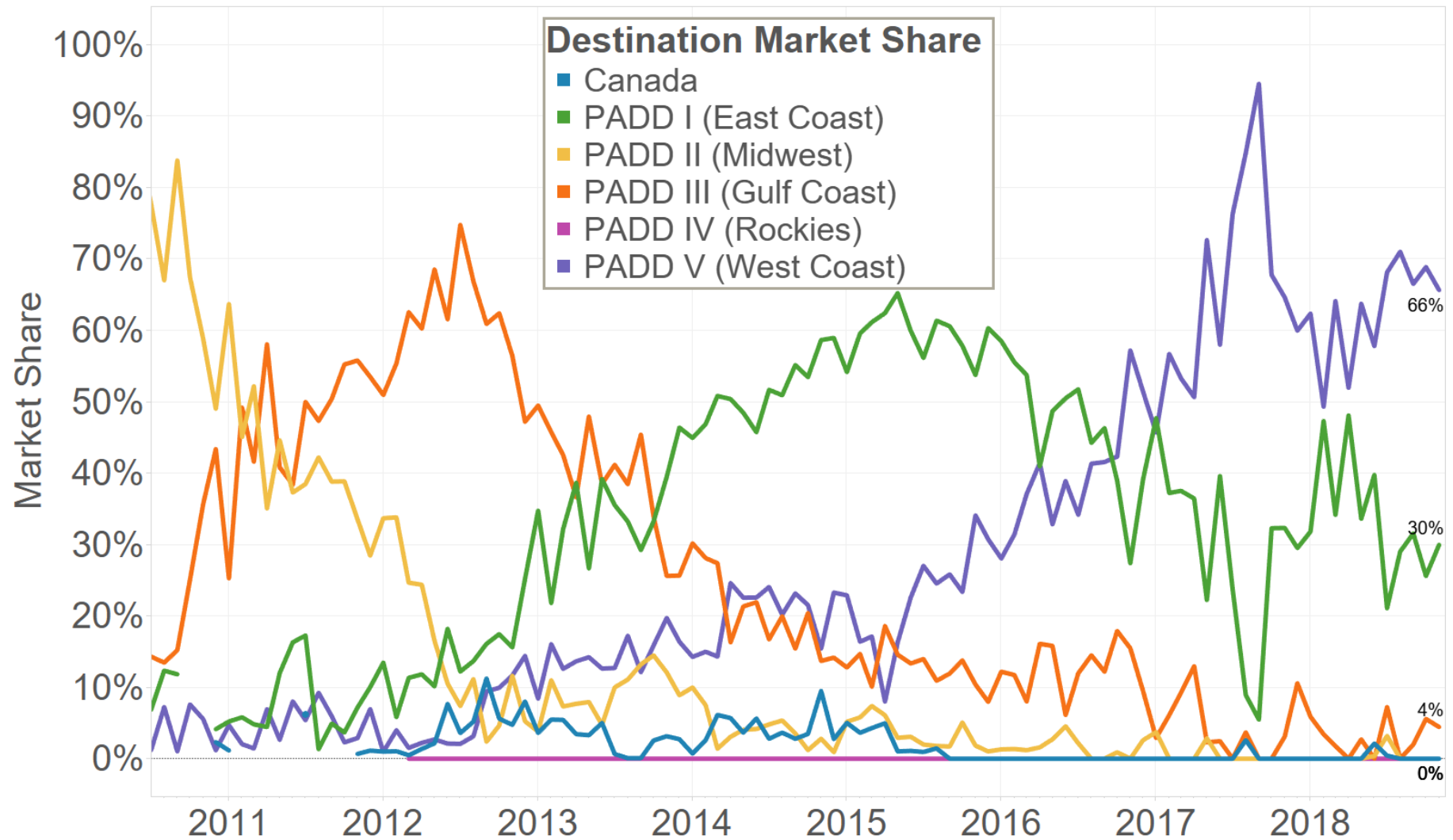
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



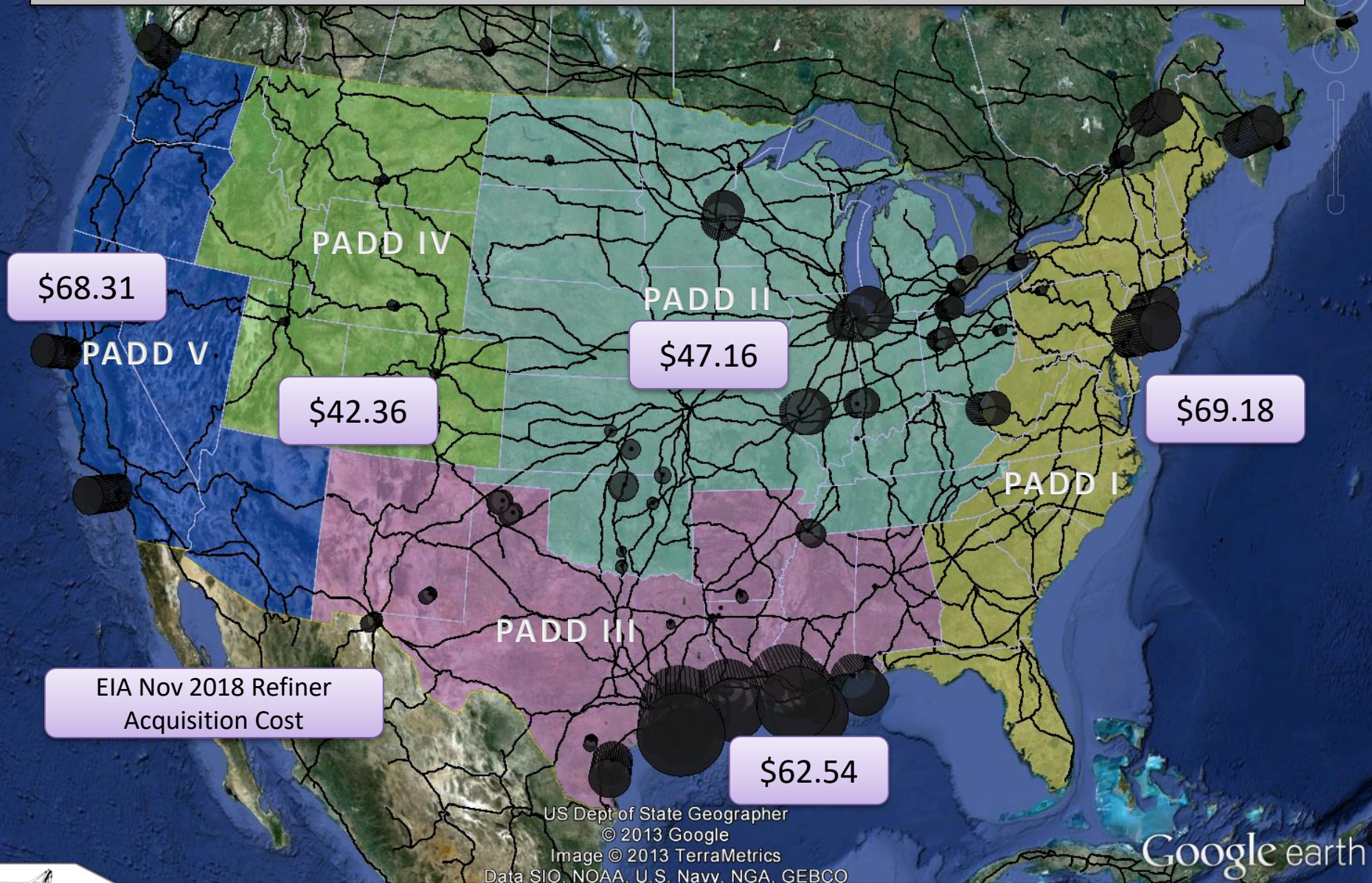
Rail Destinations Market Share (Nov. 2018)



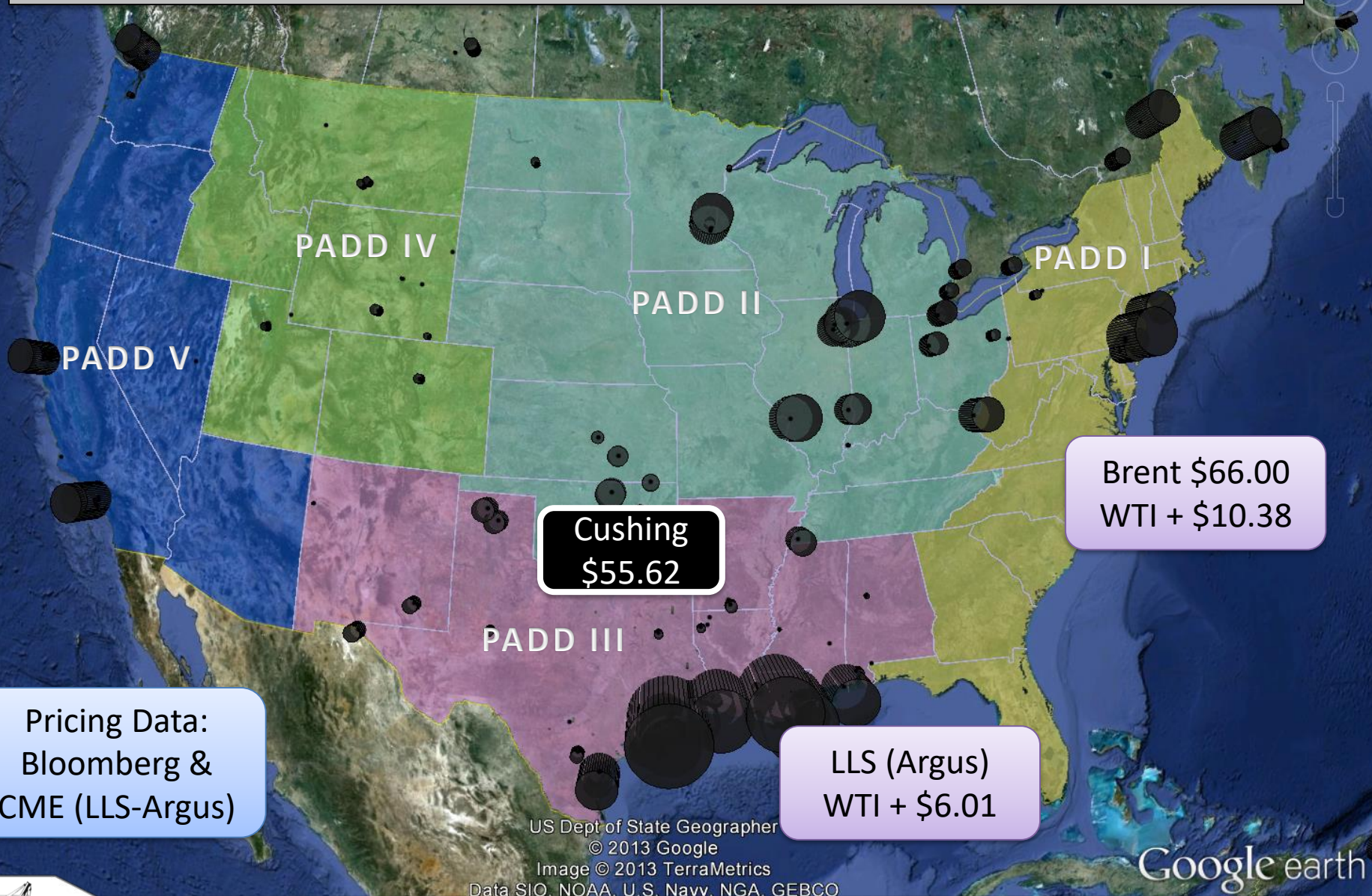
Data for Rail Destination Market Share Provided by the US Energy Information Administration



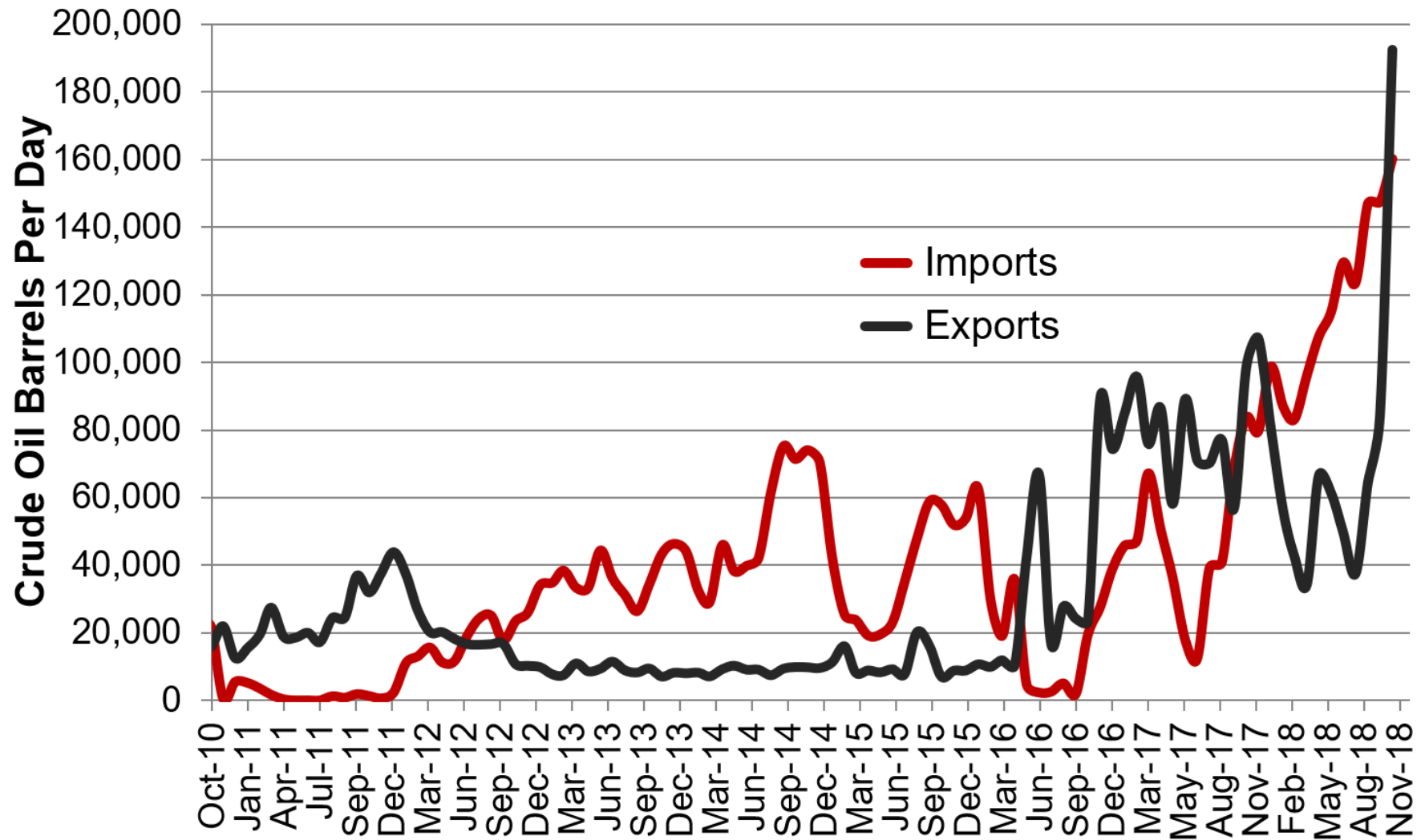
Major Rail Lines and Refineries



Crude Oil Prices – Feb. 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 Truck/Rail Imports and Exports with Canada

2018, First Unit of Quantity for All Countries

Domestic Exports | Monthly data for 2018

[Show Details](#)

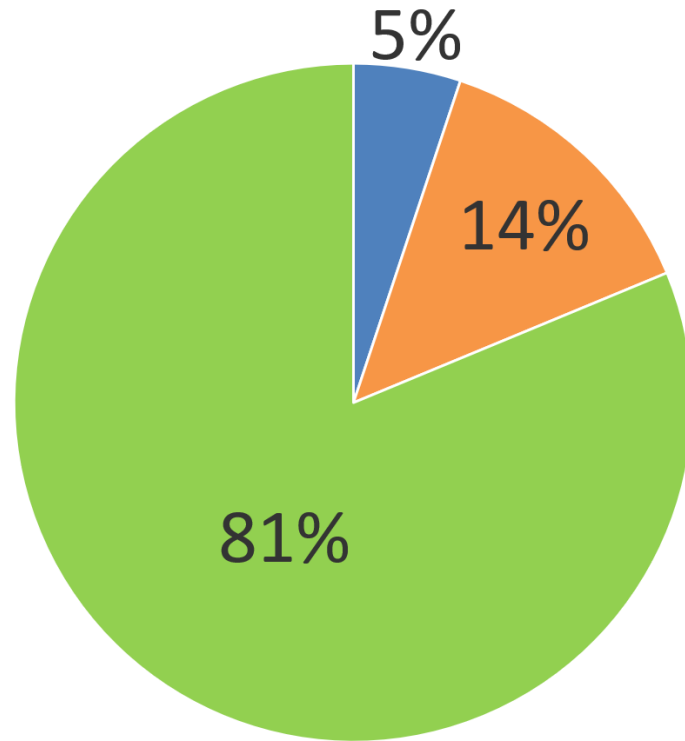
Country	HTS Number	District	Quantity Description
Canada	2709002090 CRUDE PETROLEUM TESTING 25 DEGREES API OR MORE, NOT ELSEWHERE SPECIFIED OR INCLUDED	Pembina, ND	barrels
Total:			

	(In Actual)										
Quantity Description	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
barrels	2,471,400	1,550,854	1,308,568	1,014,780	2,063,682	1,842,349	1,543,617	1,164,058	1,937,616	2,610,735	5,774,750
	2,471,400	1,550,854	1,308,568	1,014,780	2,063,682	1,842,349	1,543,617	1,164,058	1,937,616	2,610,735	5,774,750

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.

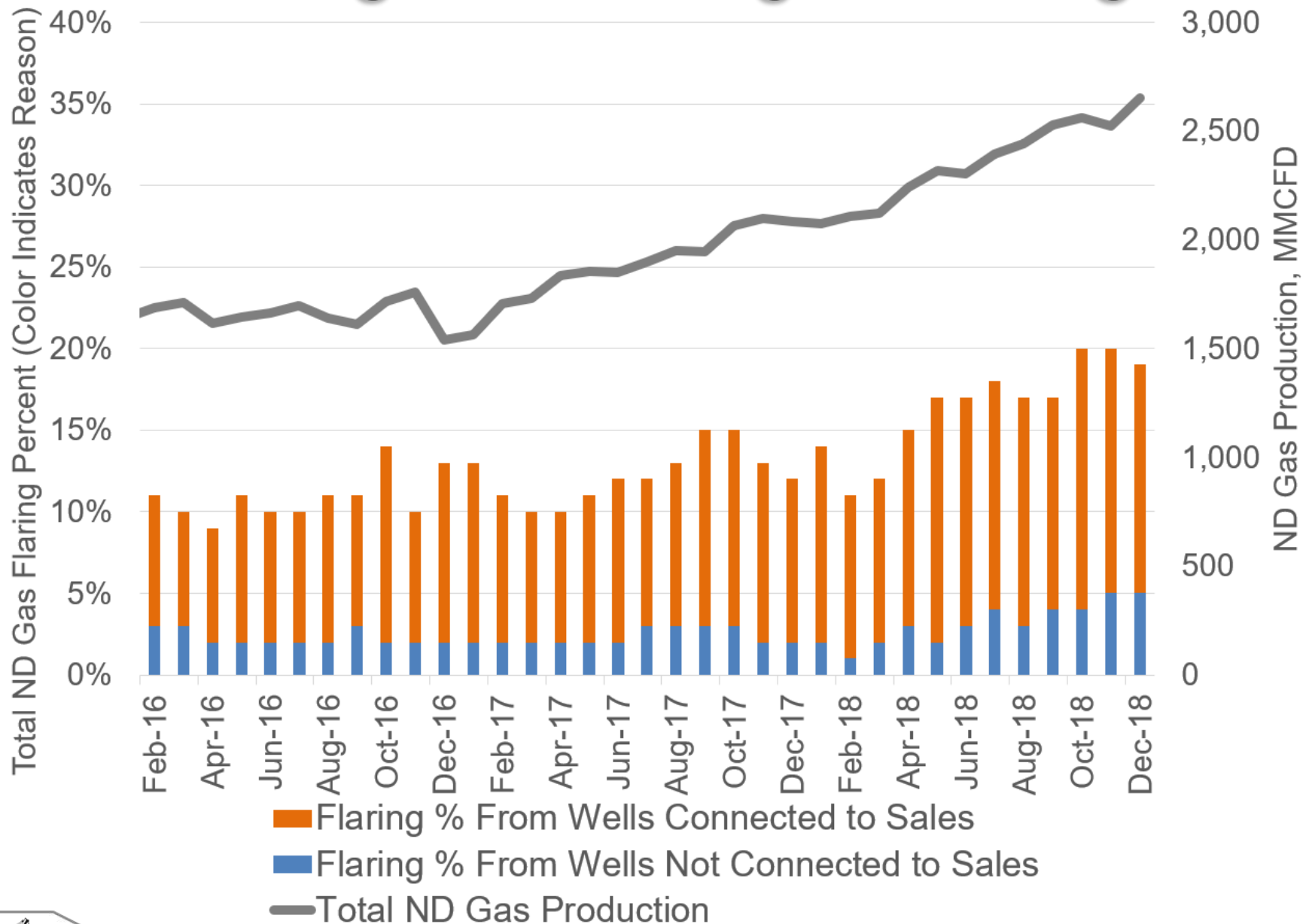
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

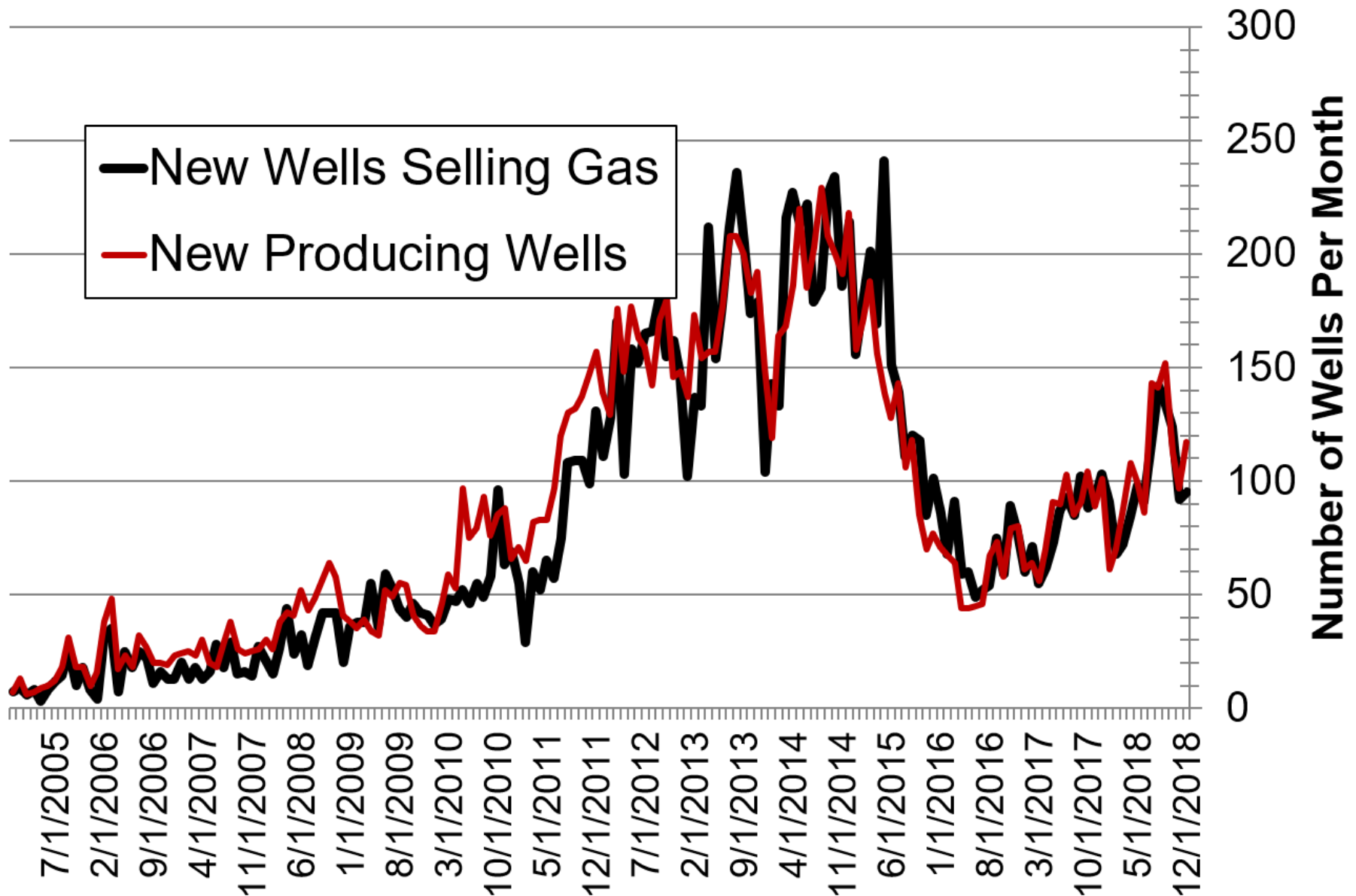
December 2018 Data – Non-Confidential Wells



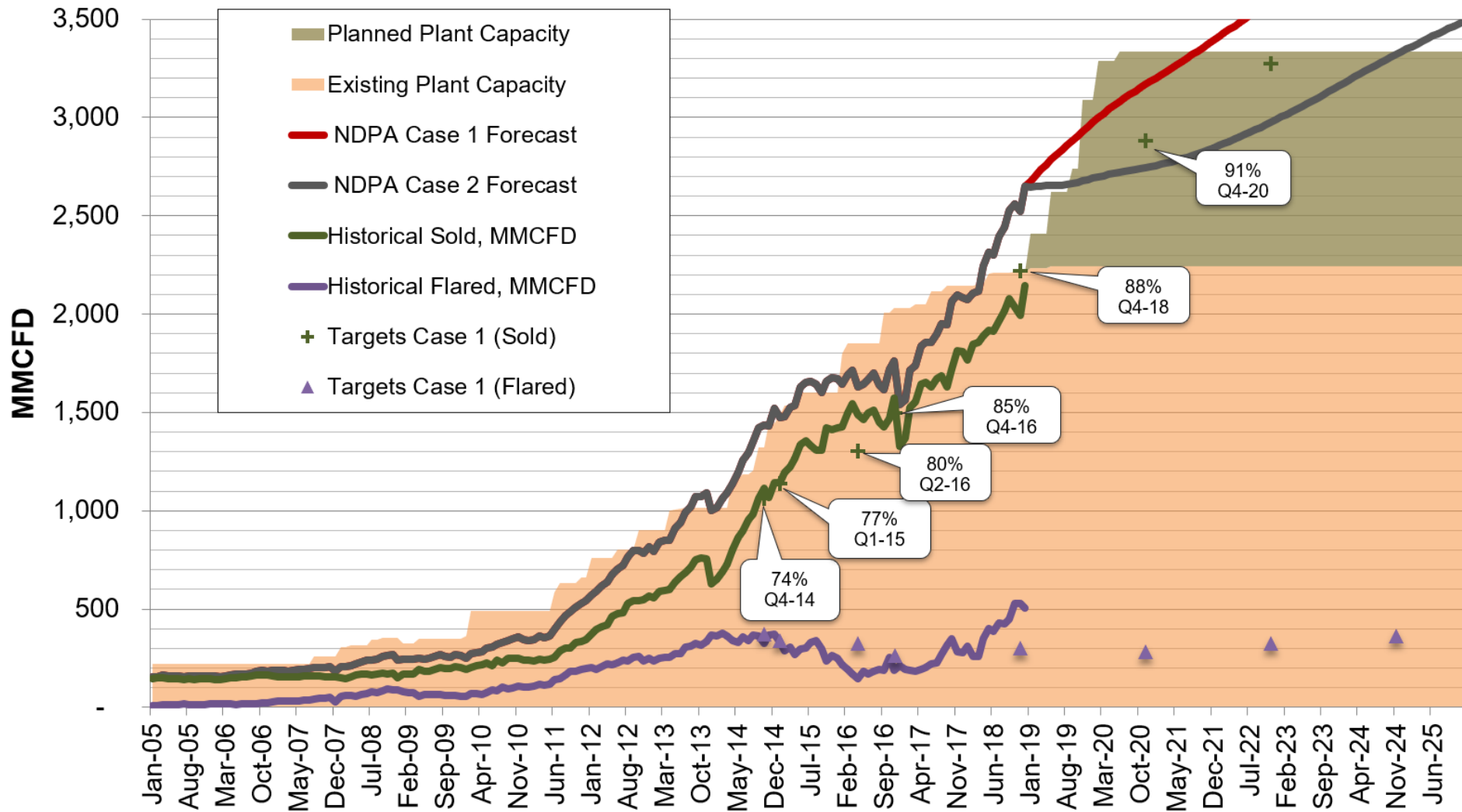
Solving the Flaring Challenge



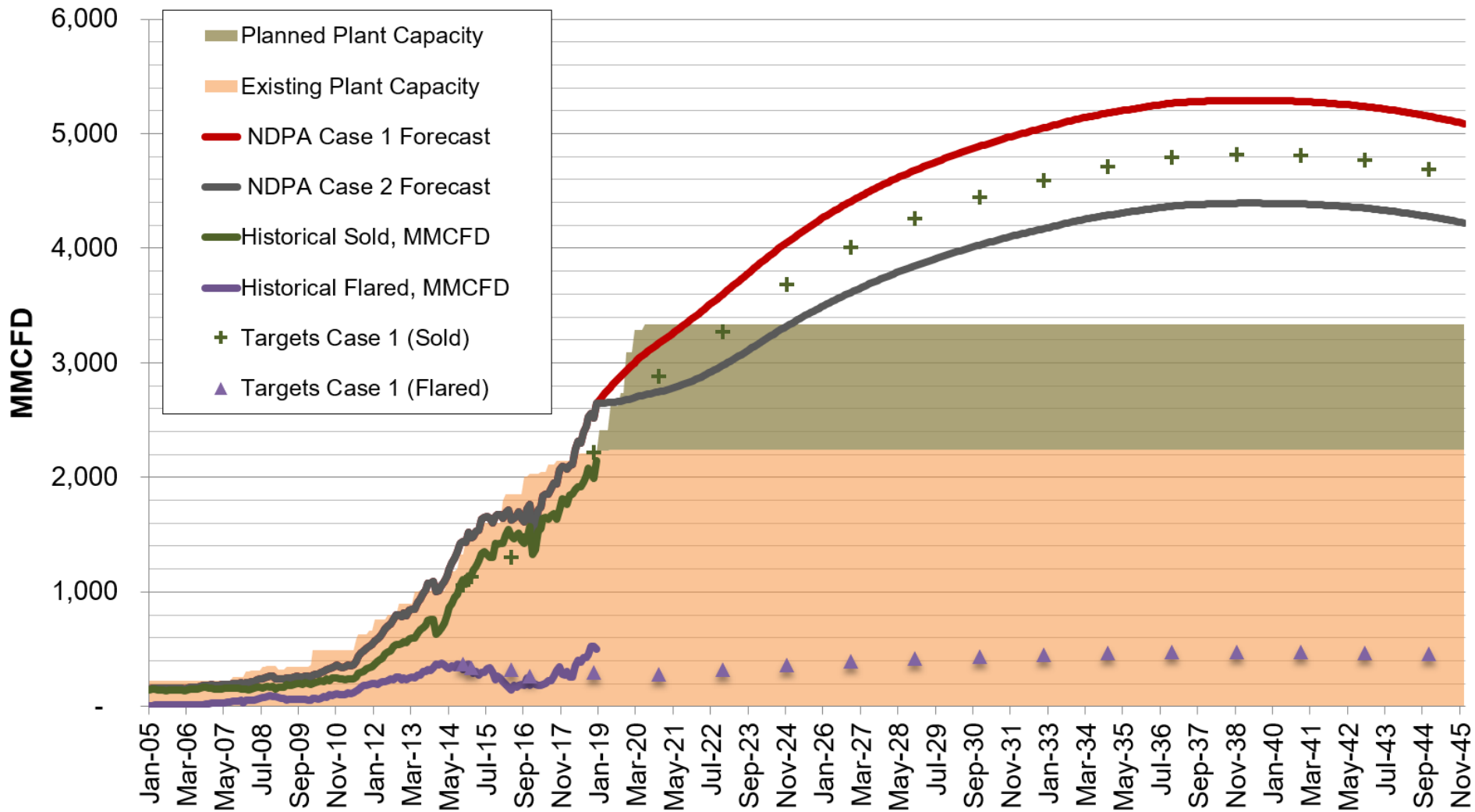
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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