



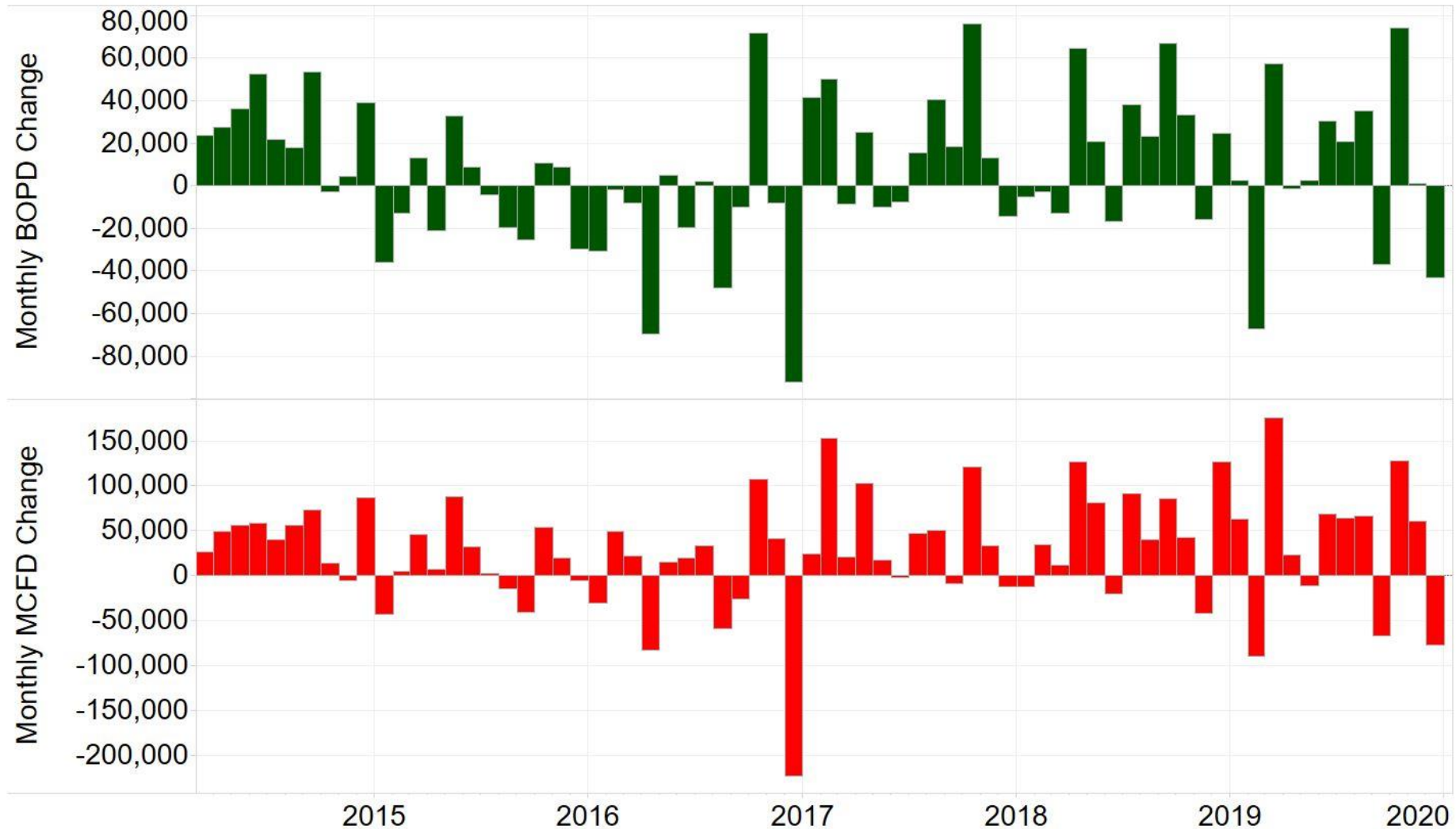
February 2020 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
February 14, 2020

US Williston Basin Oil Production - 2019

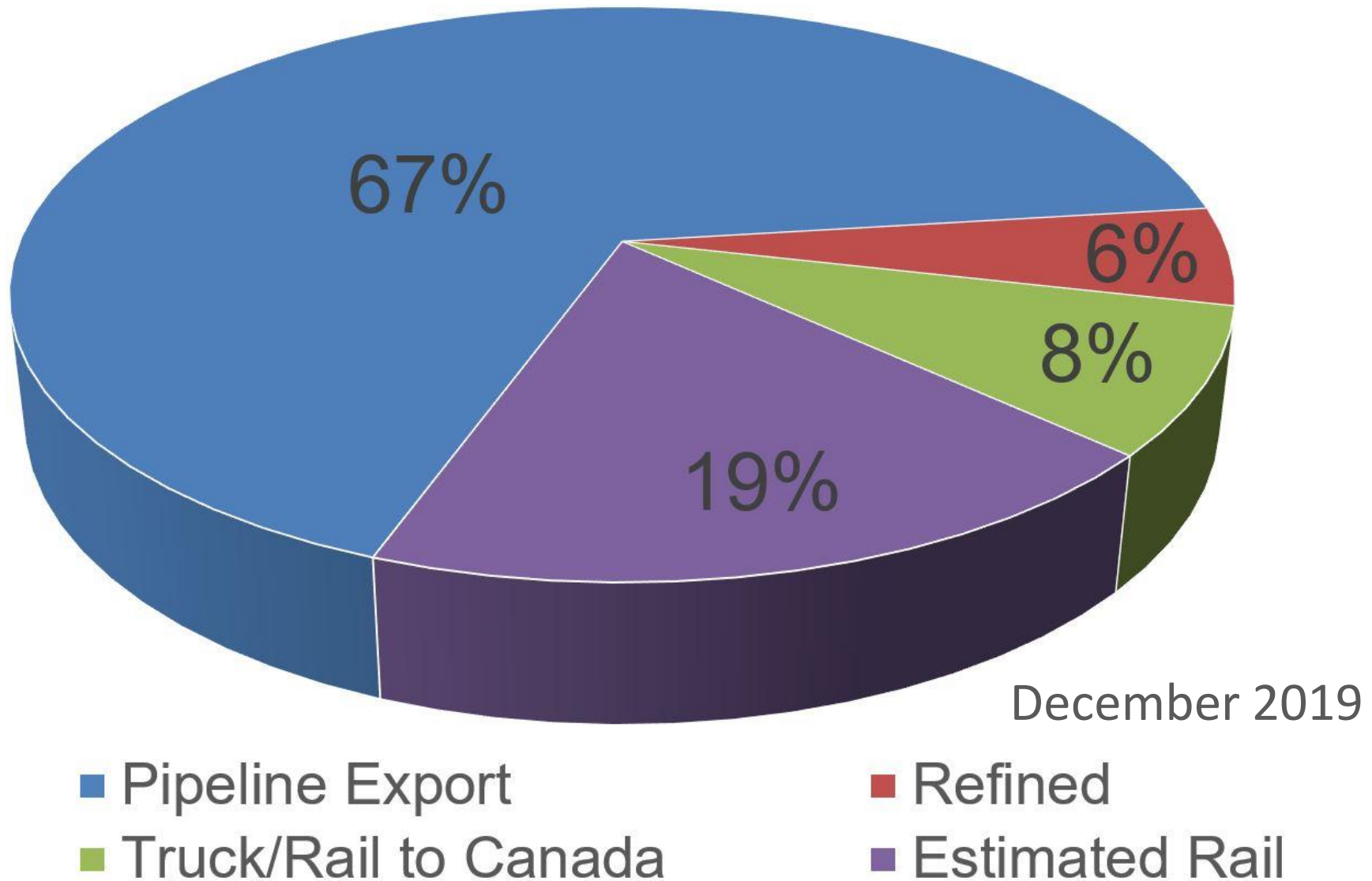
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,403,887	57,566	3,276	1,464,729
February	1,336,672	54,660	3,339	1,394,671
March	1,394,130	56,544	3,256	1,453,930
April	1,392,559	63,726	3,231	1,459,515
May	1,395,029	62,508	3,092	1,460,629
June	1,425,203	59,110	3,122	1,487,436
July	1,445,864	54,422	3,128	1,503,414
August	1,481,016	53,850	3,124	1,537,990
September	1,443,961	53,897	3,059	1,500,917
October	1,517,937	57,476	3,052	1,578,465
November	1,519,037	56,358	3,143	1,578,538
December	1,475,685			



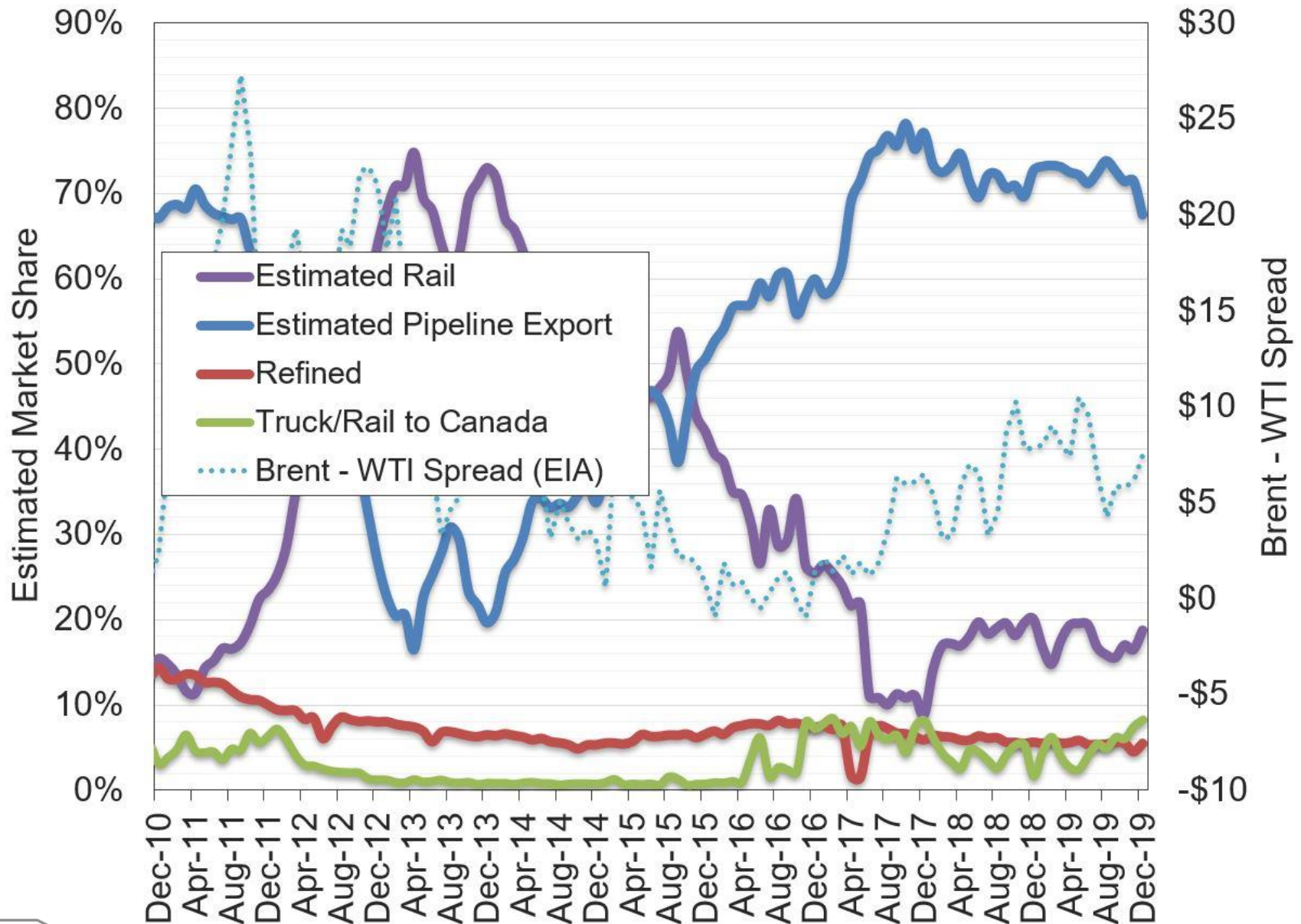
Monthly Production Change



Estimated Williston Basin Oil Transportation



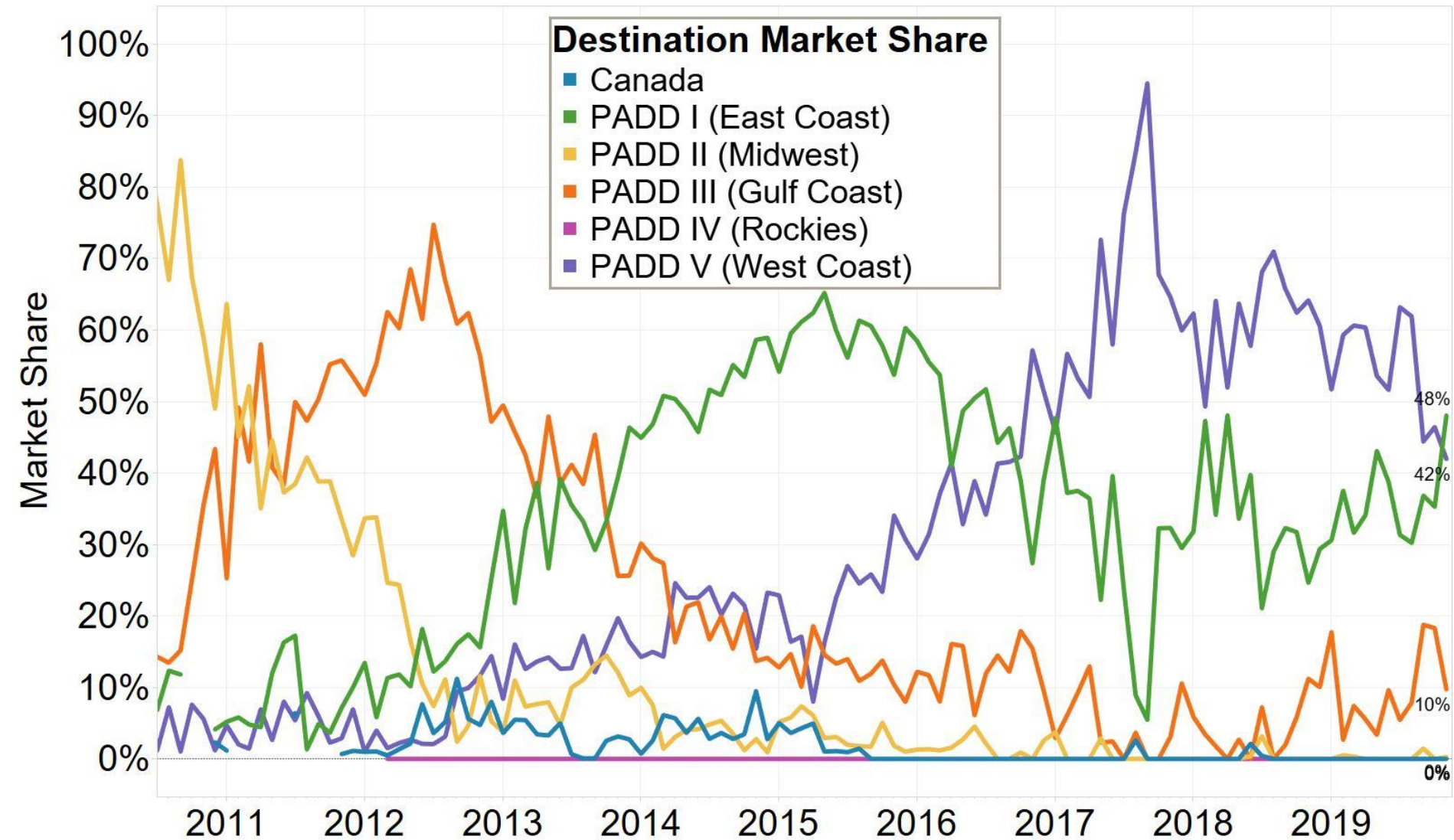
Estimated Williston Basin Oil Transportation



Estimated ND Rail Export Volumes



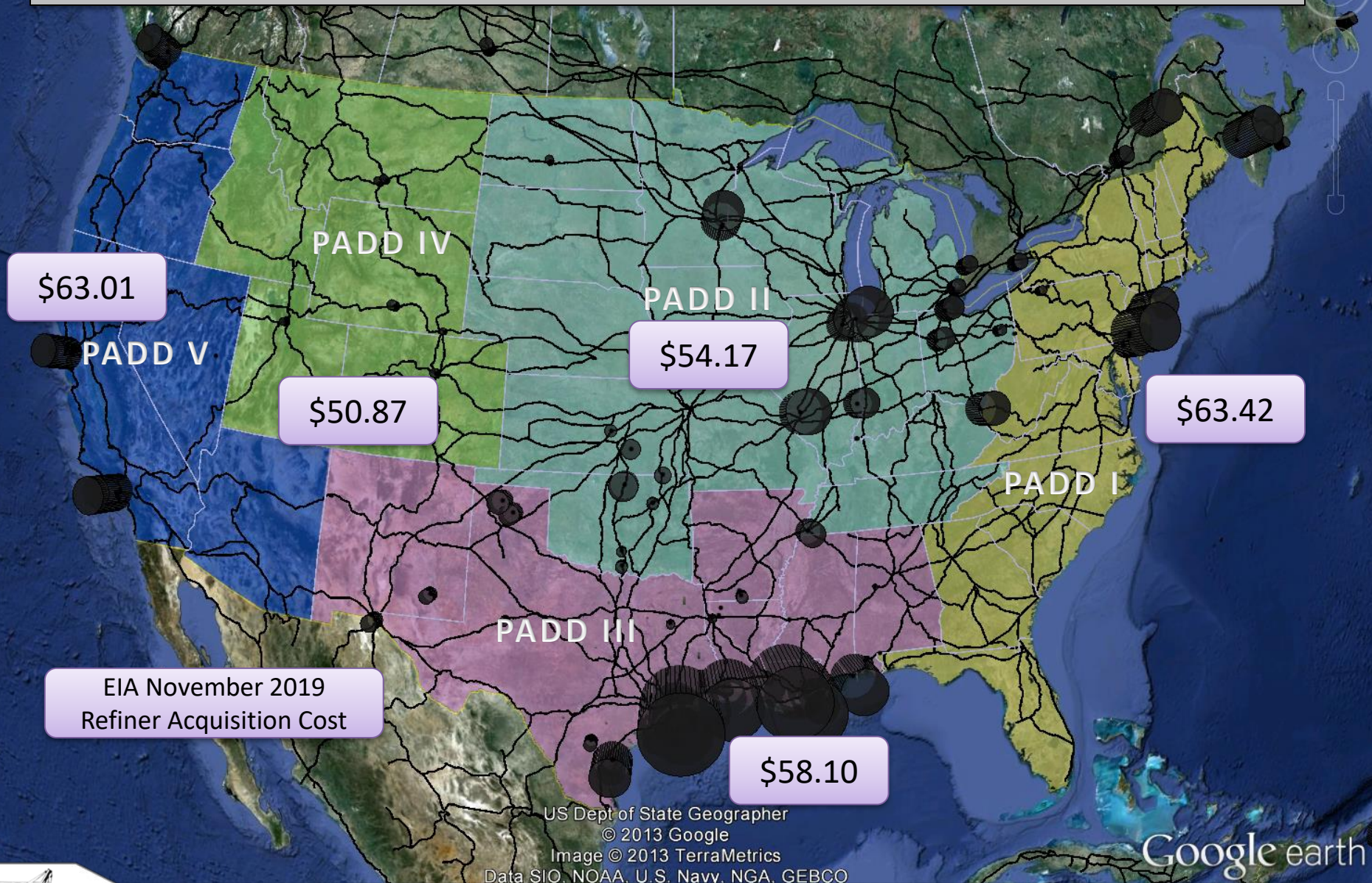
Rail Destinations Market Share (Nov 2019)



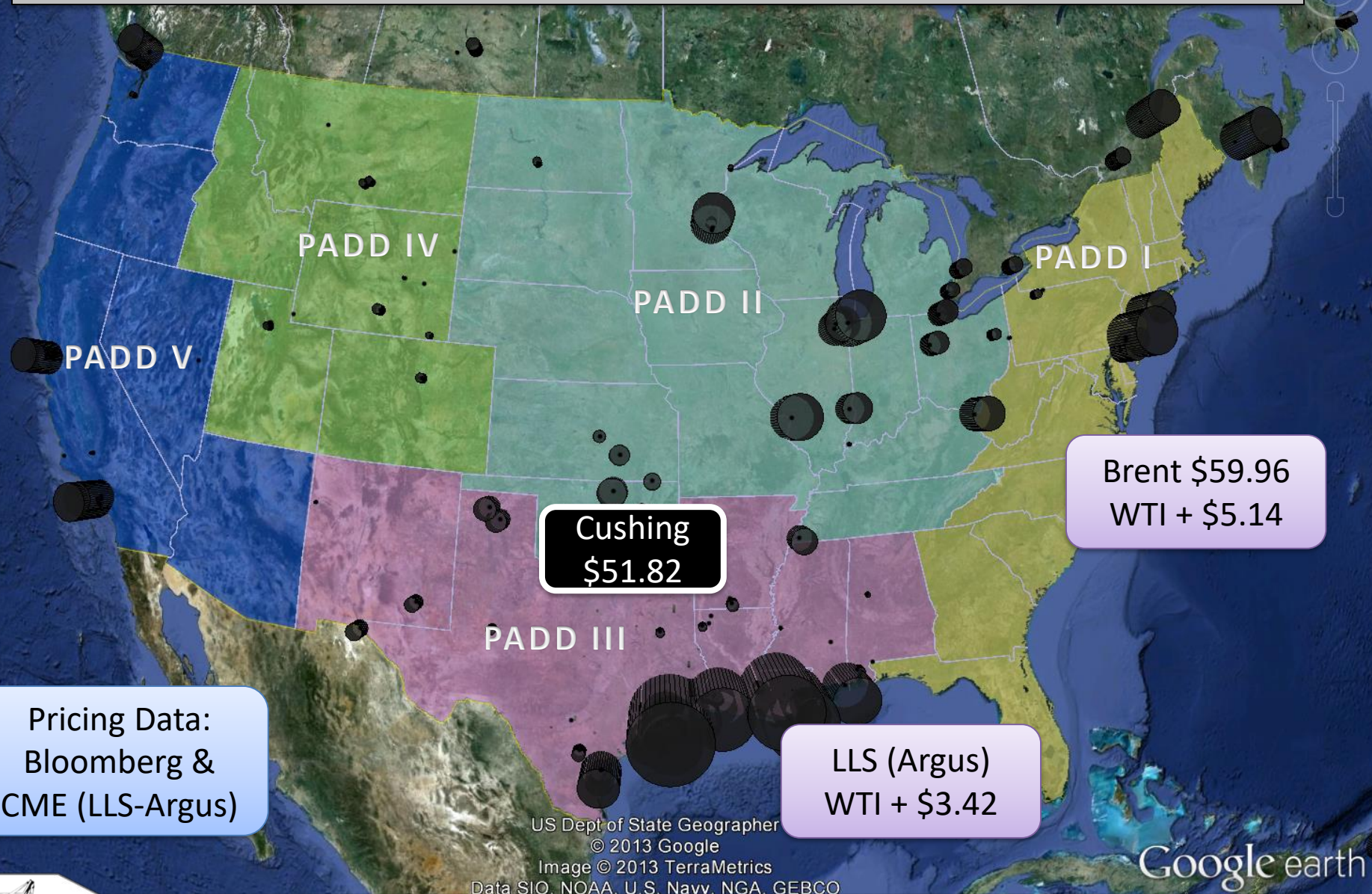
Data for Rail Destination Market Share Provided by the US Energy Information Administration



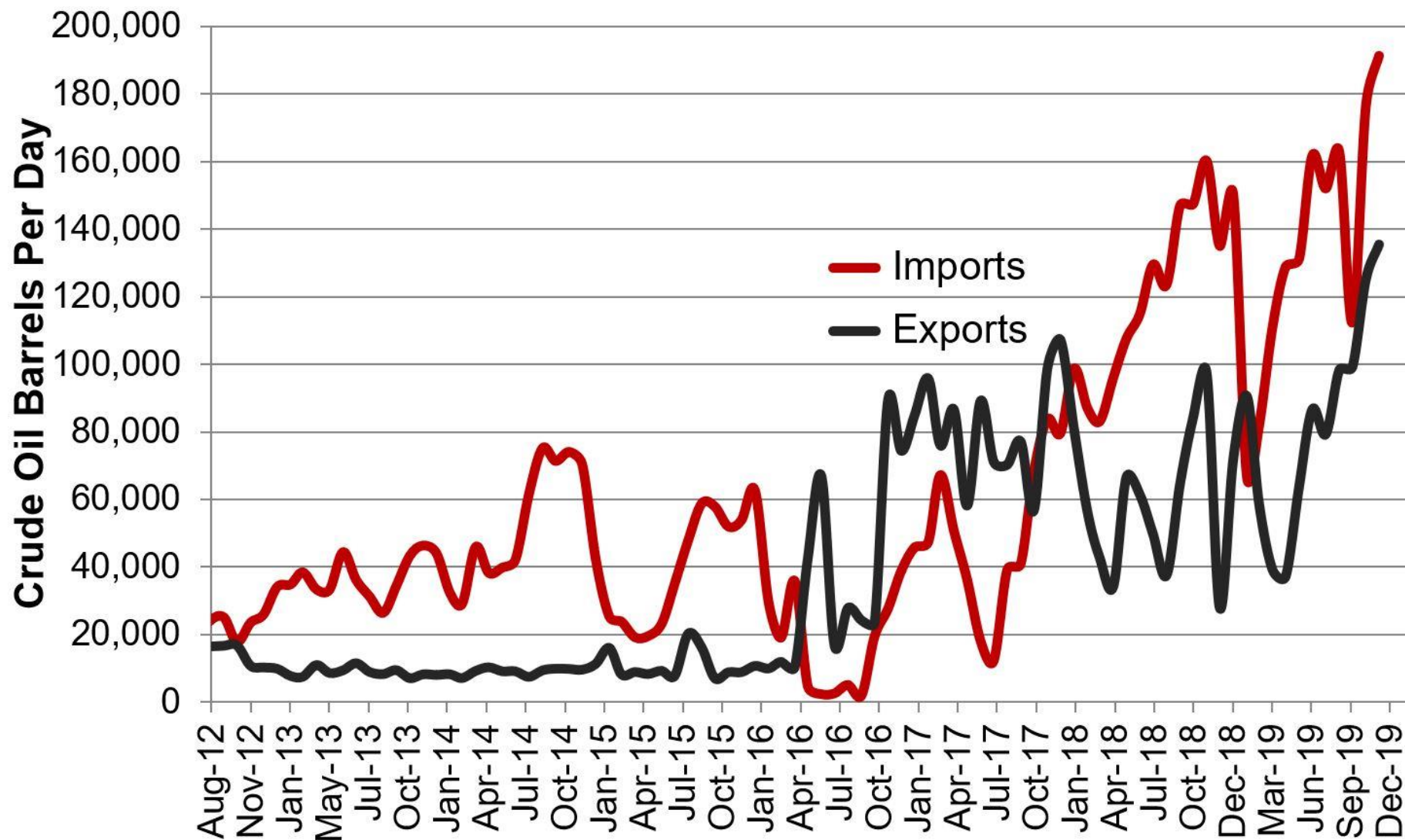
Major Rail Lines and Refineries



Crude Oil Prices – Feb. 14, 2020



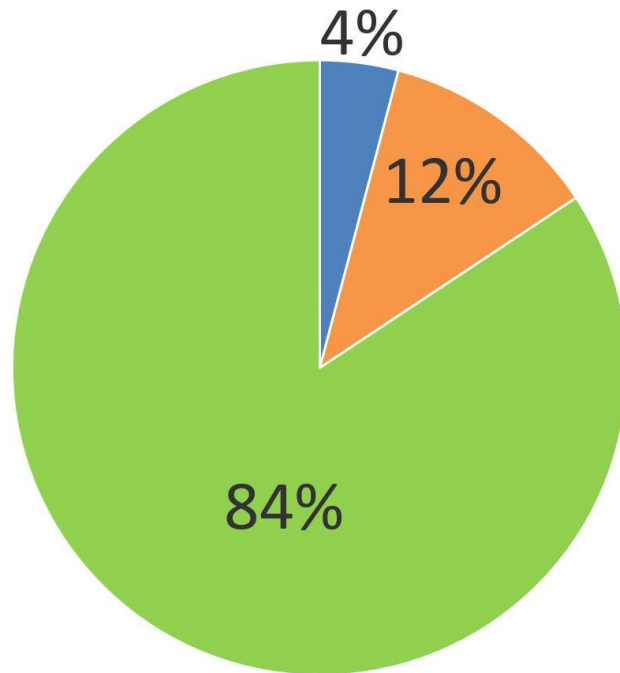
Williston Basin Truck/Rail Imports and Exports with Canada



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.

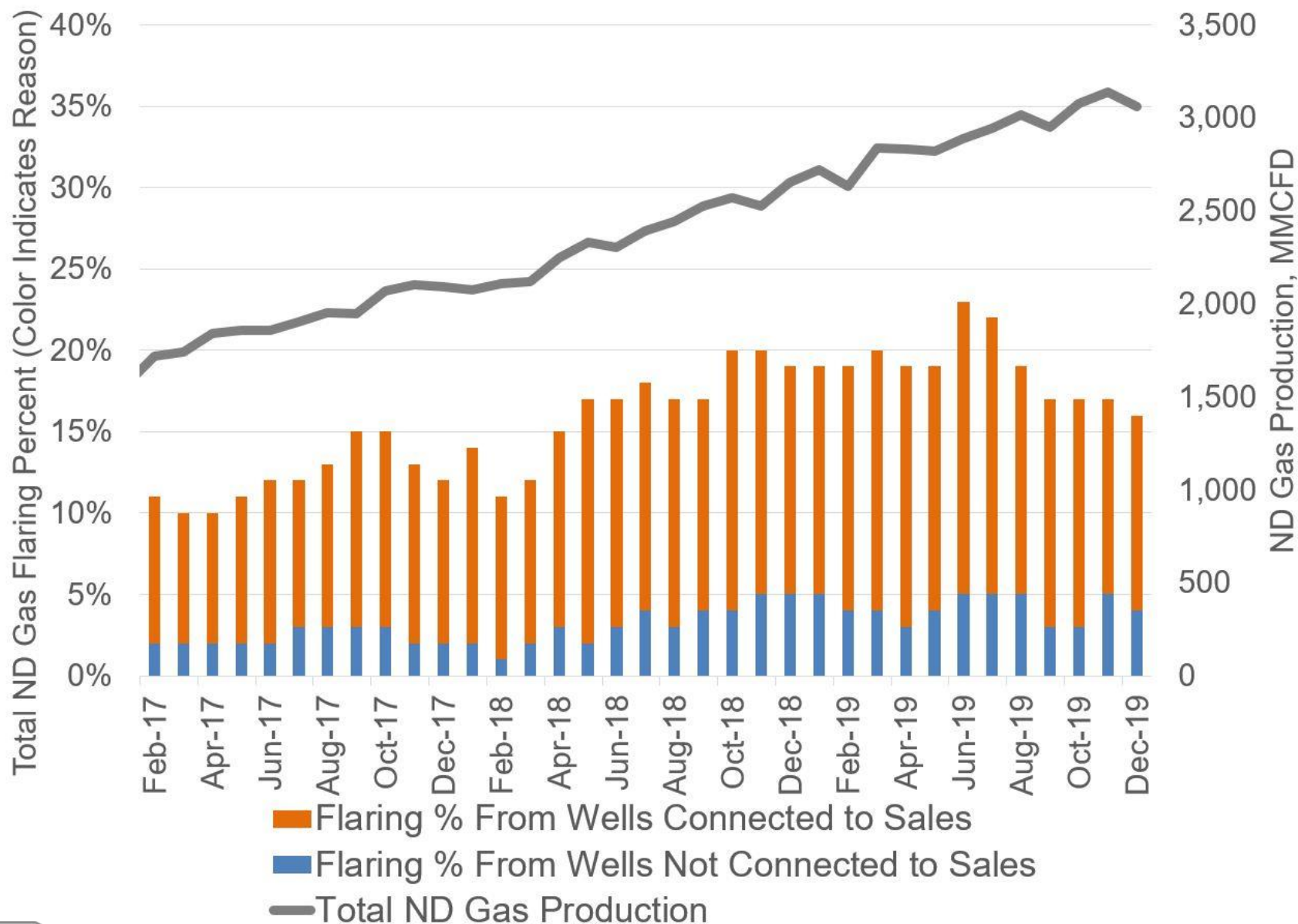
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

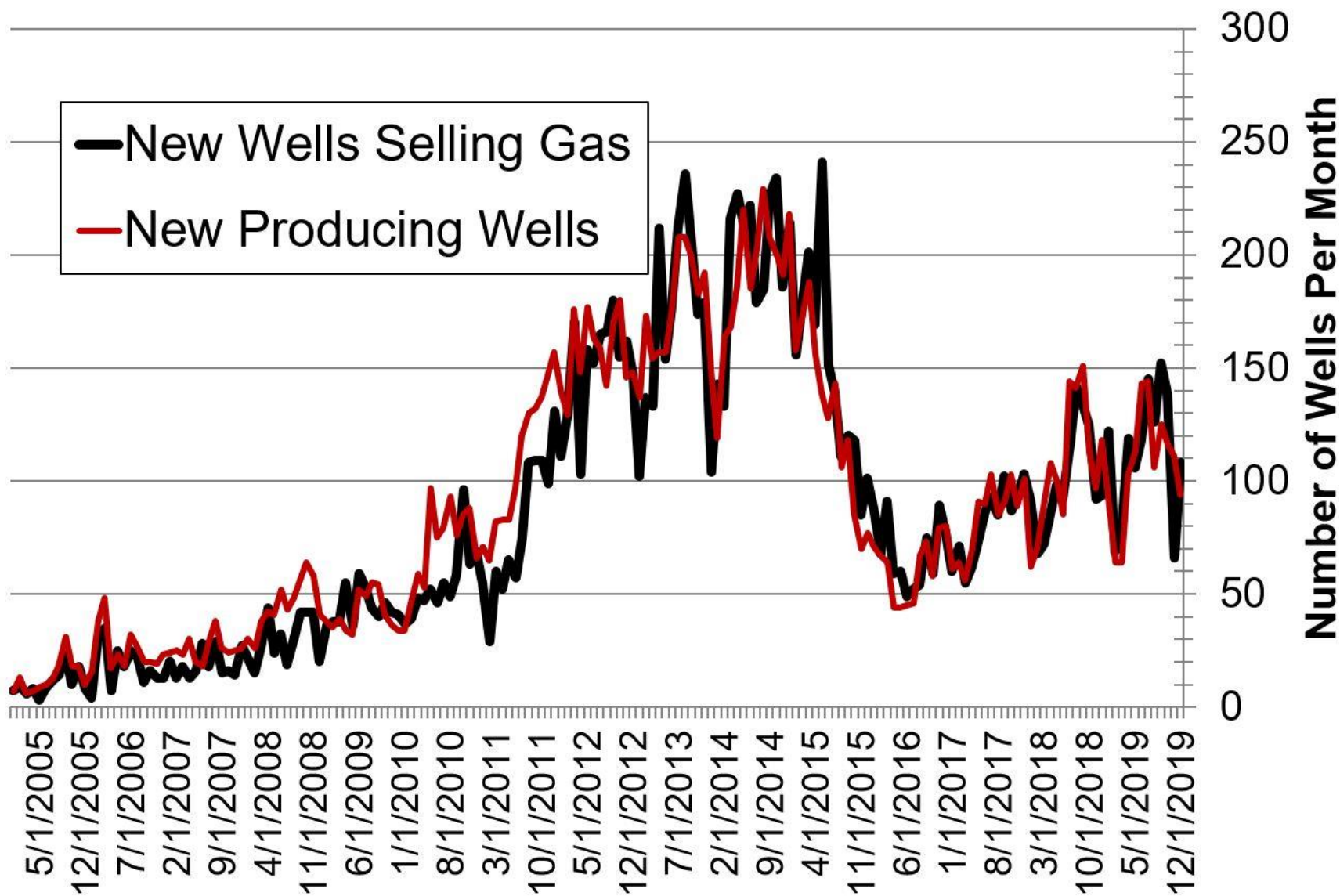
Dec. 2019 Data – Non-Confidential Wells



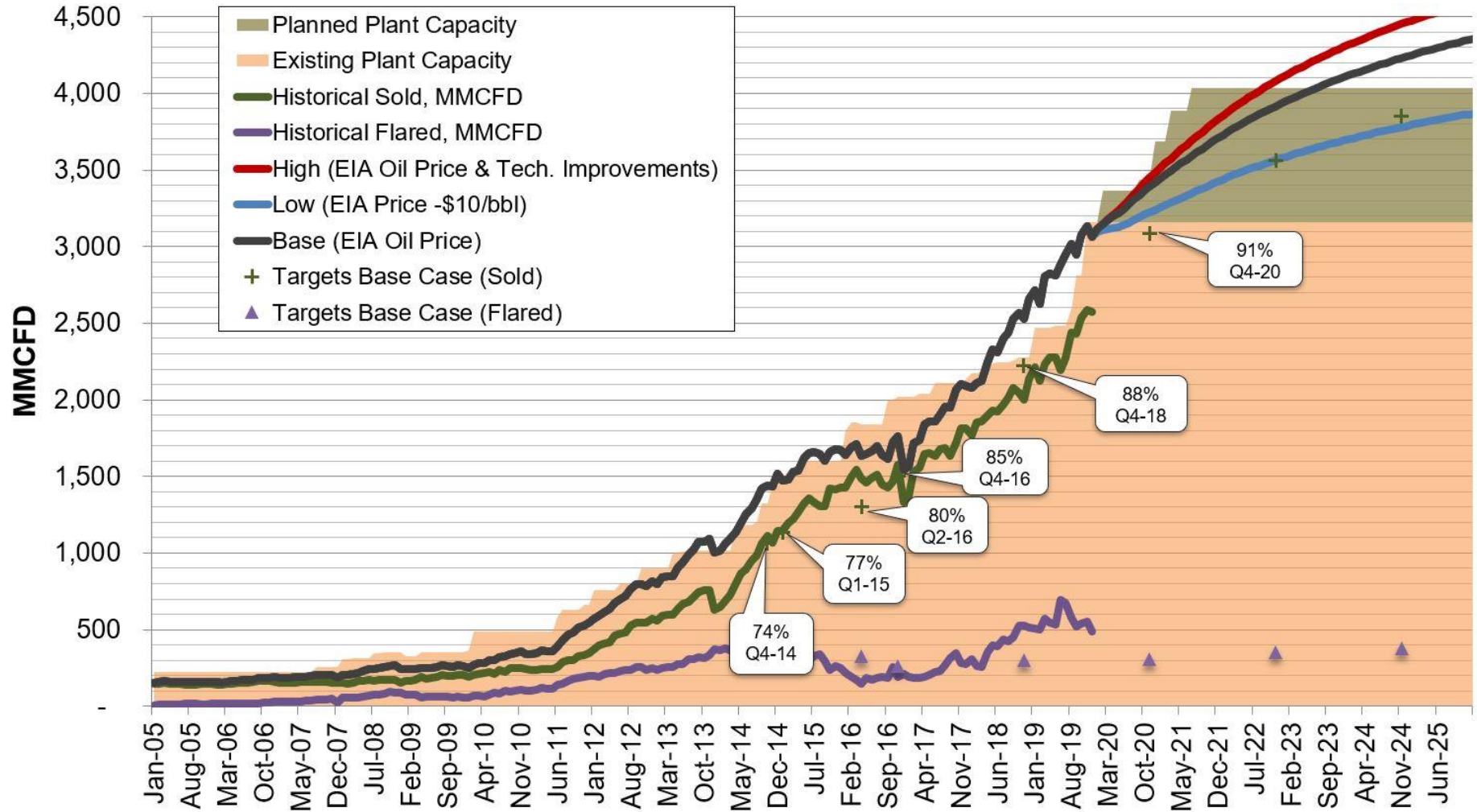
Solving the Flaring Challenge



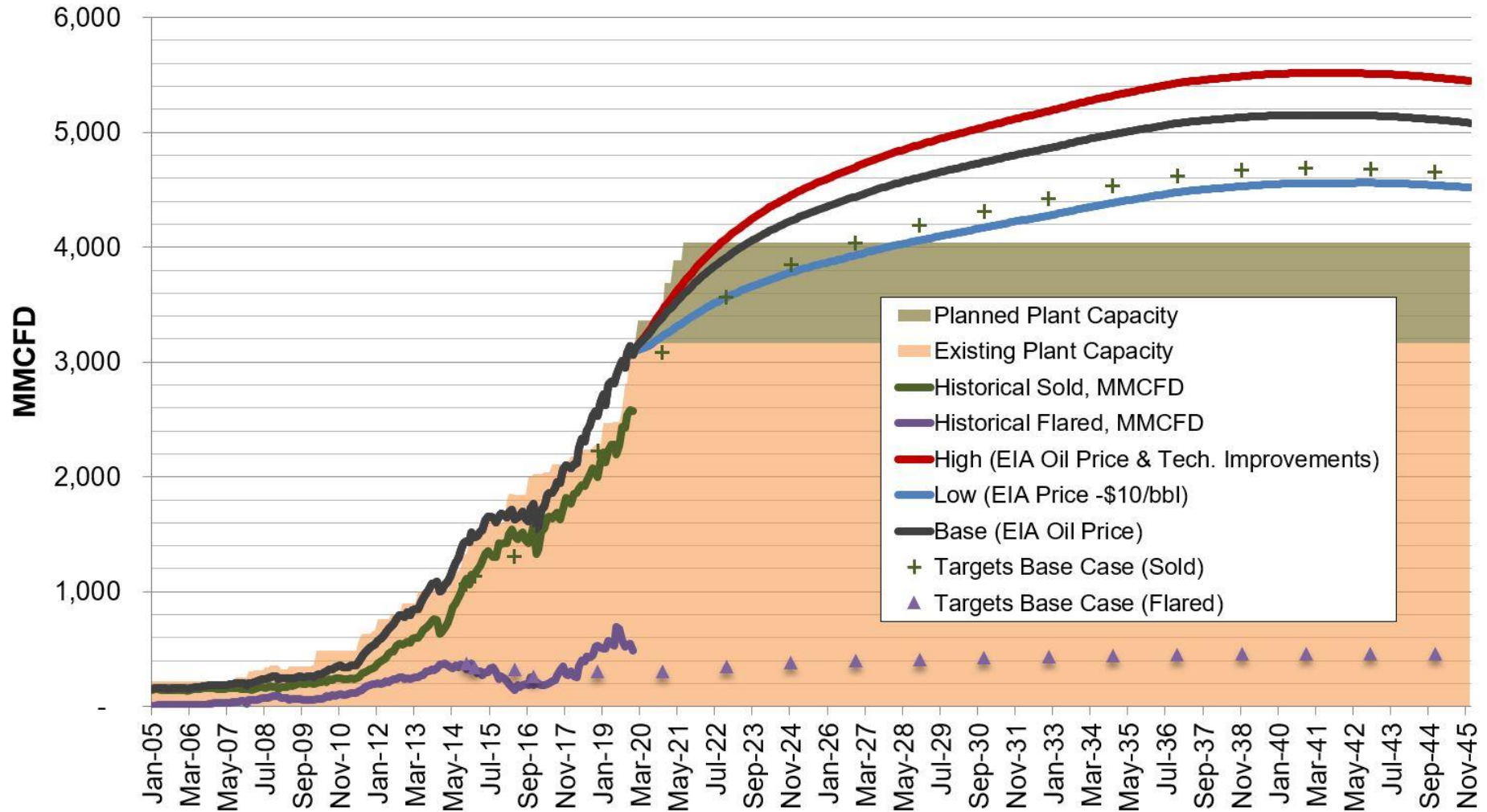
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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