



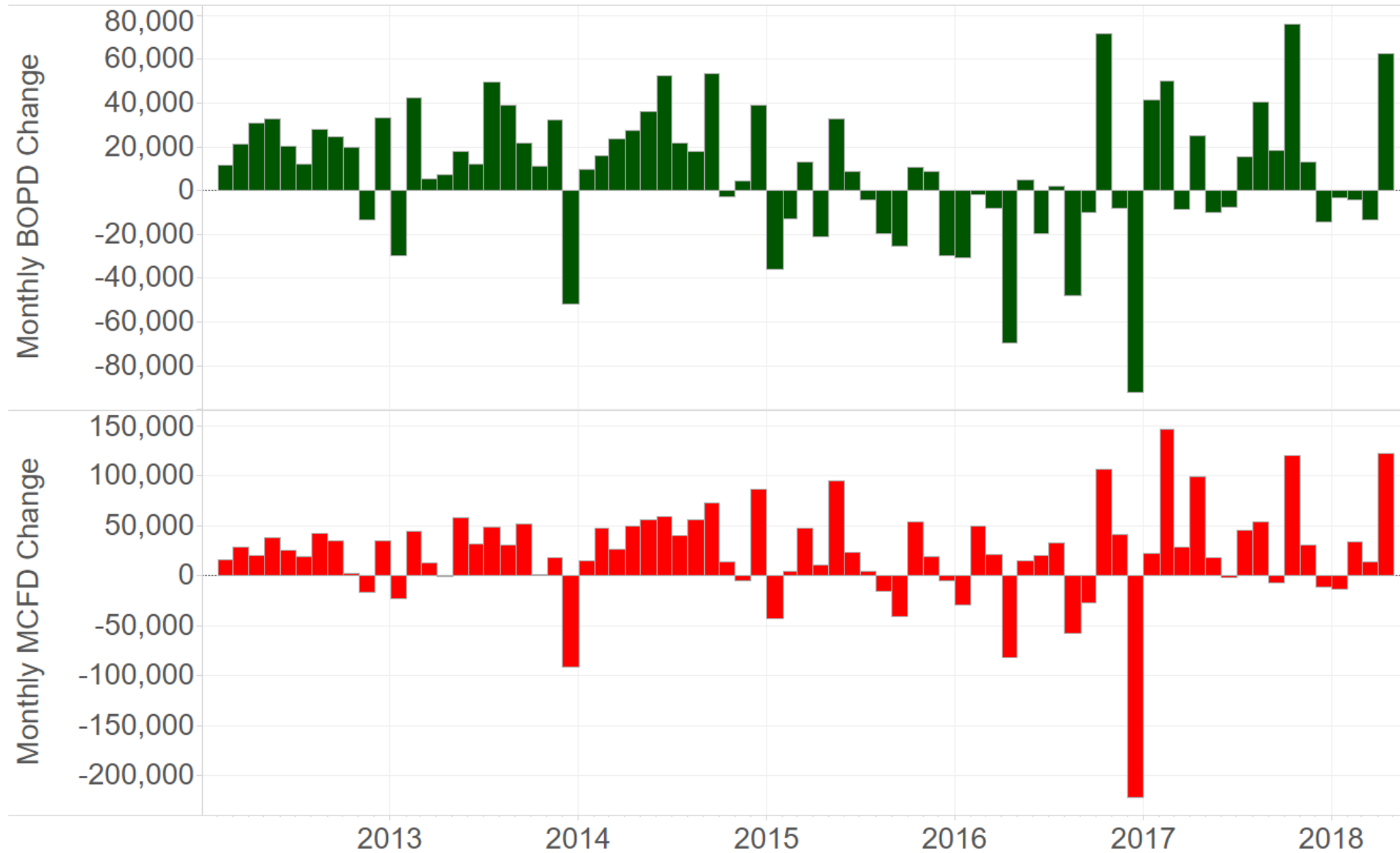
June 2018 Monthly Update
North Dakota Pipeline Authority
Justin J. Kringstad
June 15, 2018

US Williston Basin Oil Production - 2018

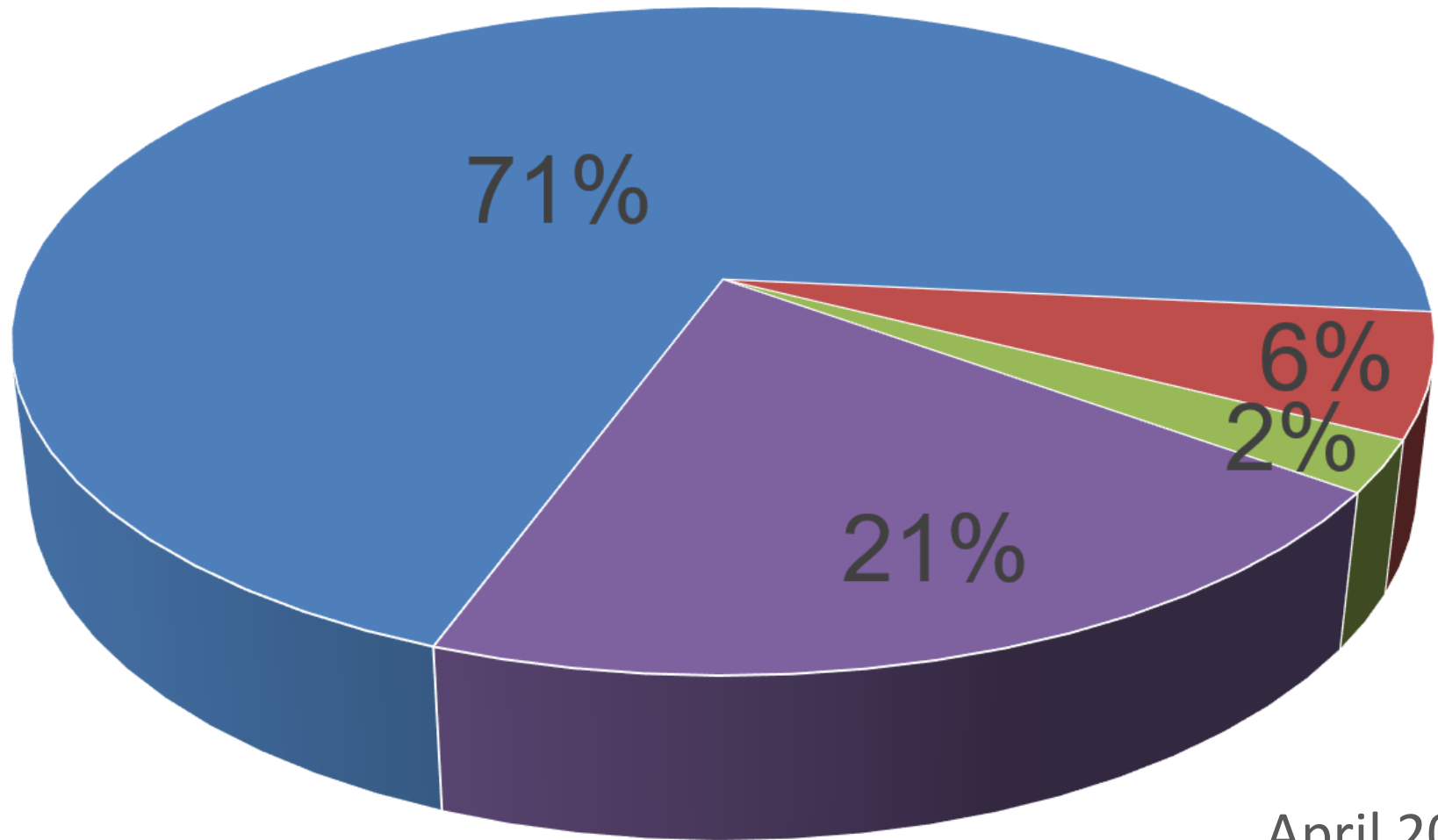
| MONTH | ND | Eastern MT* | SD | TOTAL |
|-----------|-----------|-------------|-------|-----------|
| January | 1,179,712 | 49,130 | 3,575 | 1,232,417 |
| February | 1,175,327 | 48,862 | 3,628 | 1,227,817 |
| March | 1,162,134 | 47,544 | 3,502 | 1,213,180 |
| April | 1,224,948 | | | |
| May | | | | |
| June | | | | |
| July | | | | |
| August | | | | |
| September | | | | |
| October | | | | |
| November | | | | |
| December | | | | |



Monthly Production Change



Estimated Williston Basin Oil Transportation



April 2018

■ Pipeline Export

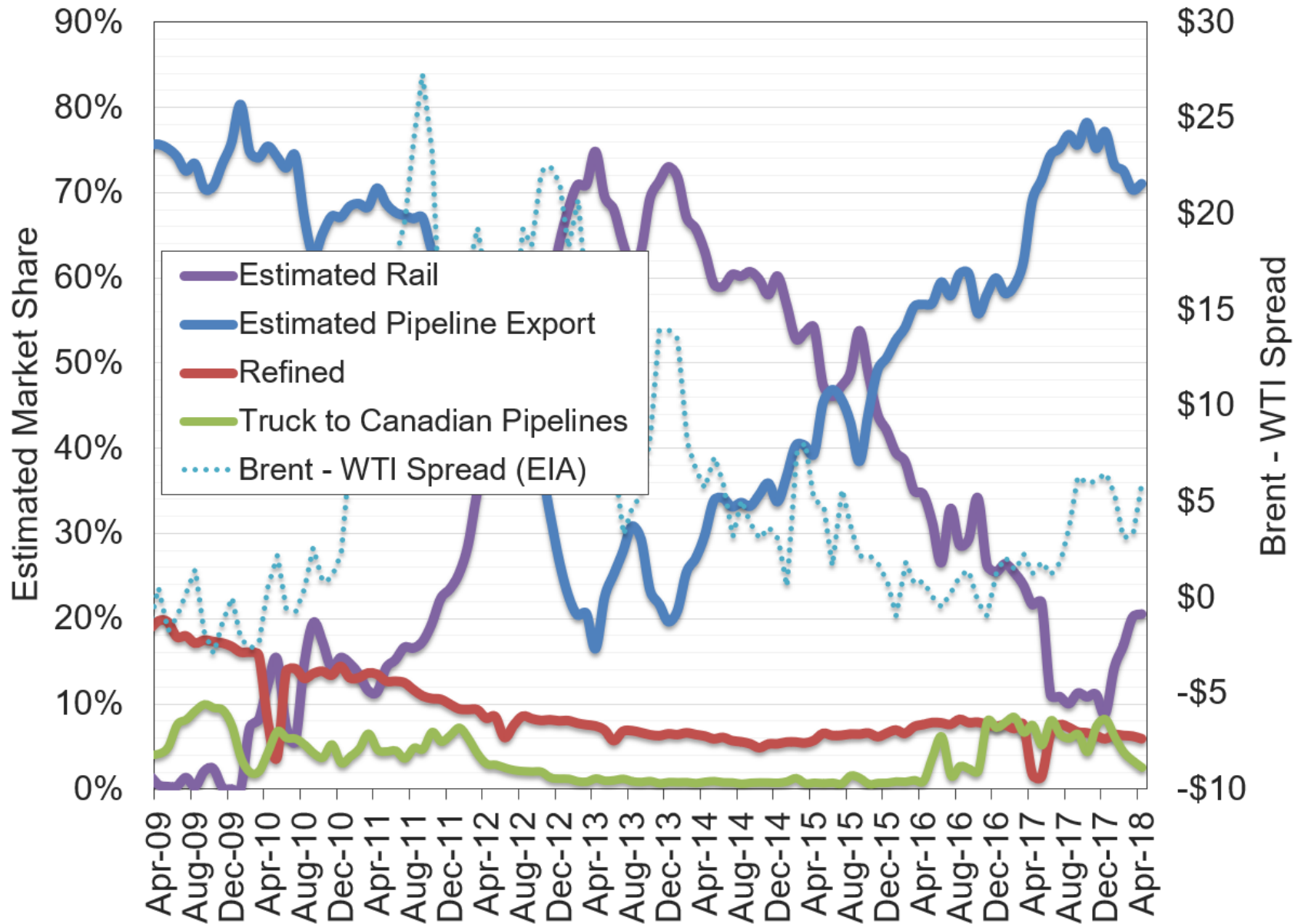
■ Refined

■ Truck to Canadian Pipelines

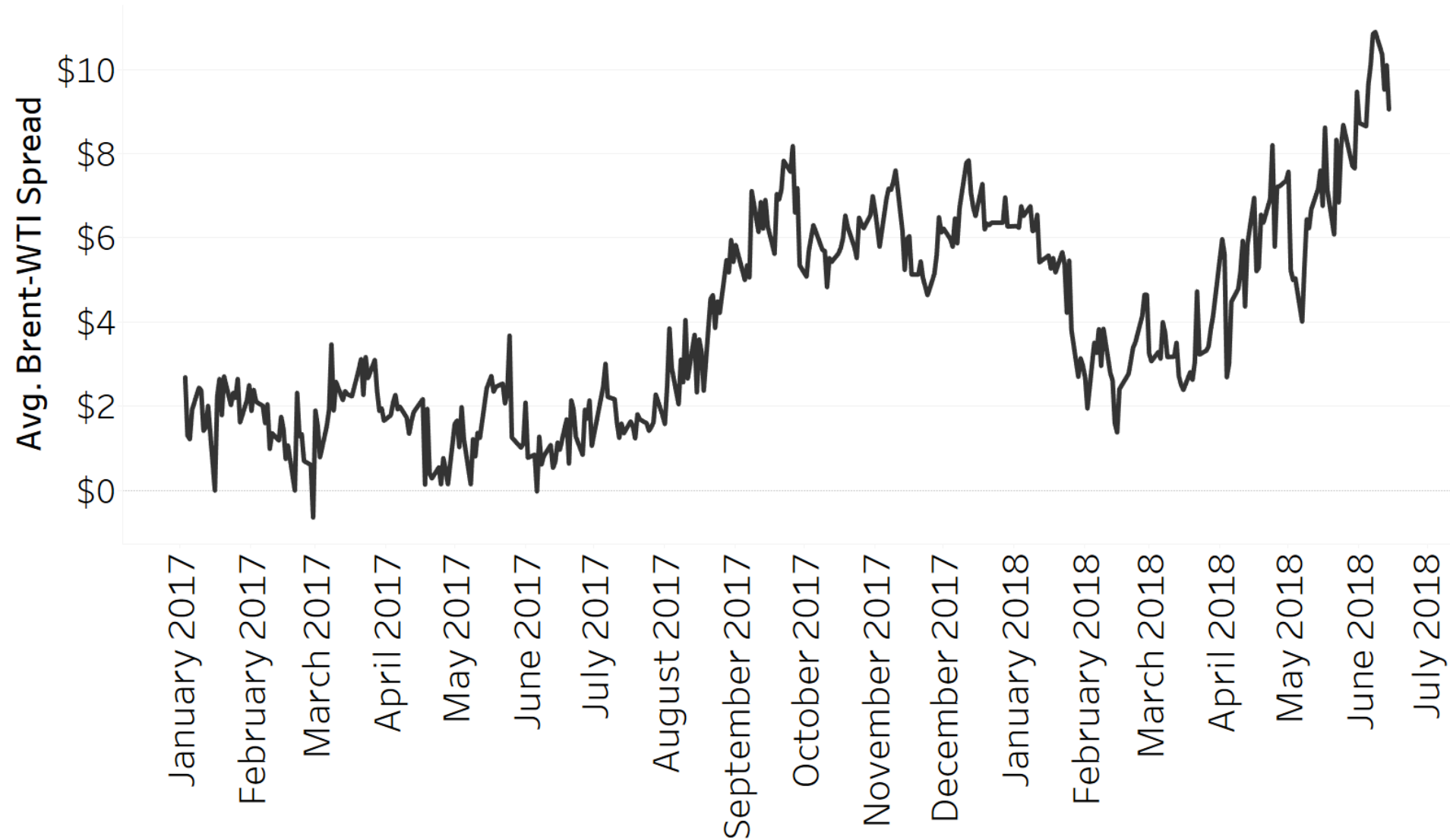
■ Estimated Rail



Estimated Williston Basin Oil Transportation



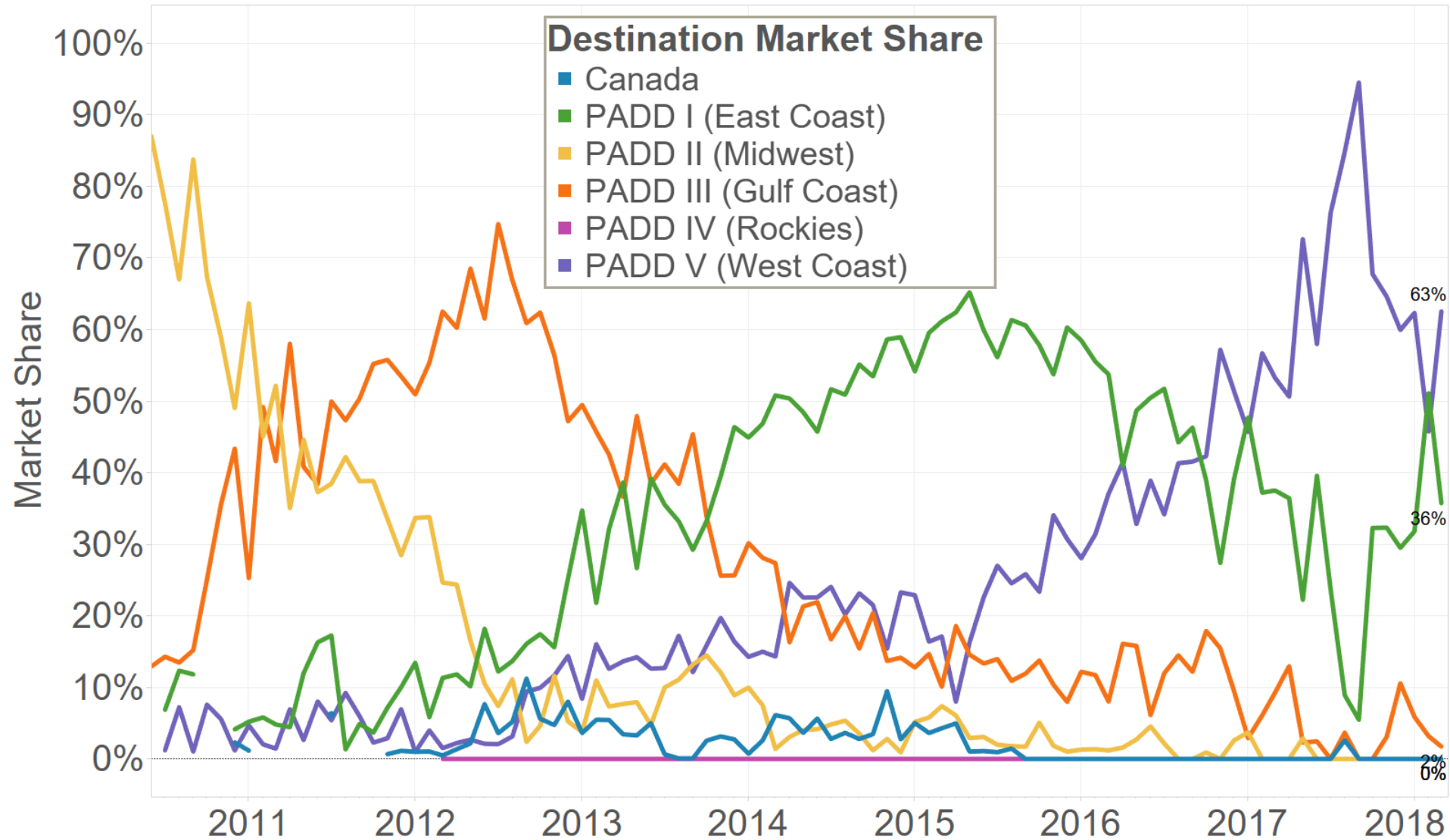
Brent – WTI Price Spread



Estimated ND Rail Export Volumes



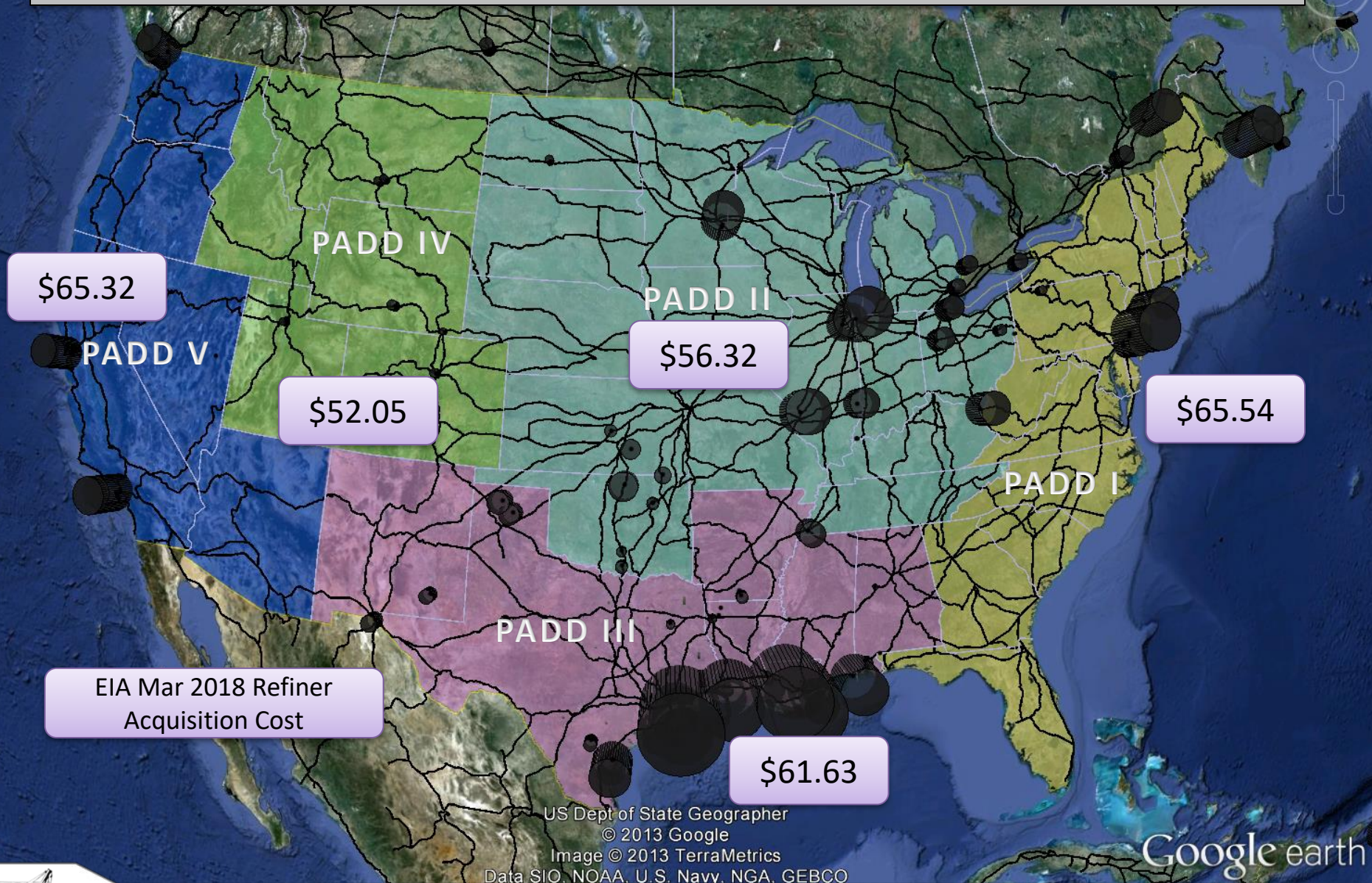
Rail Destinations Market Share (Mar 2018)



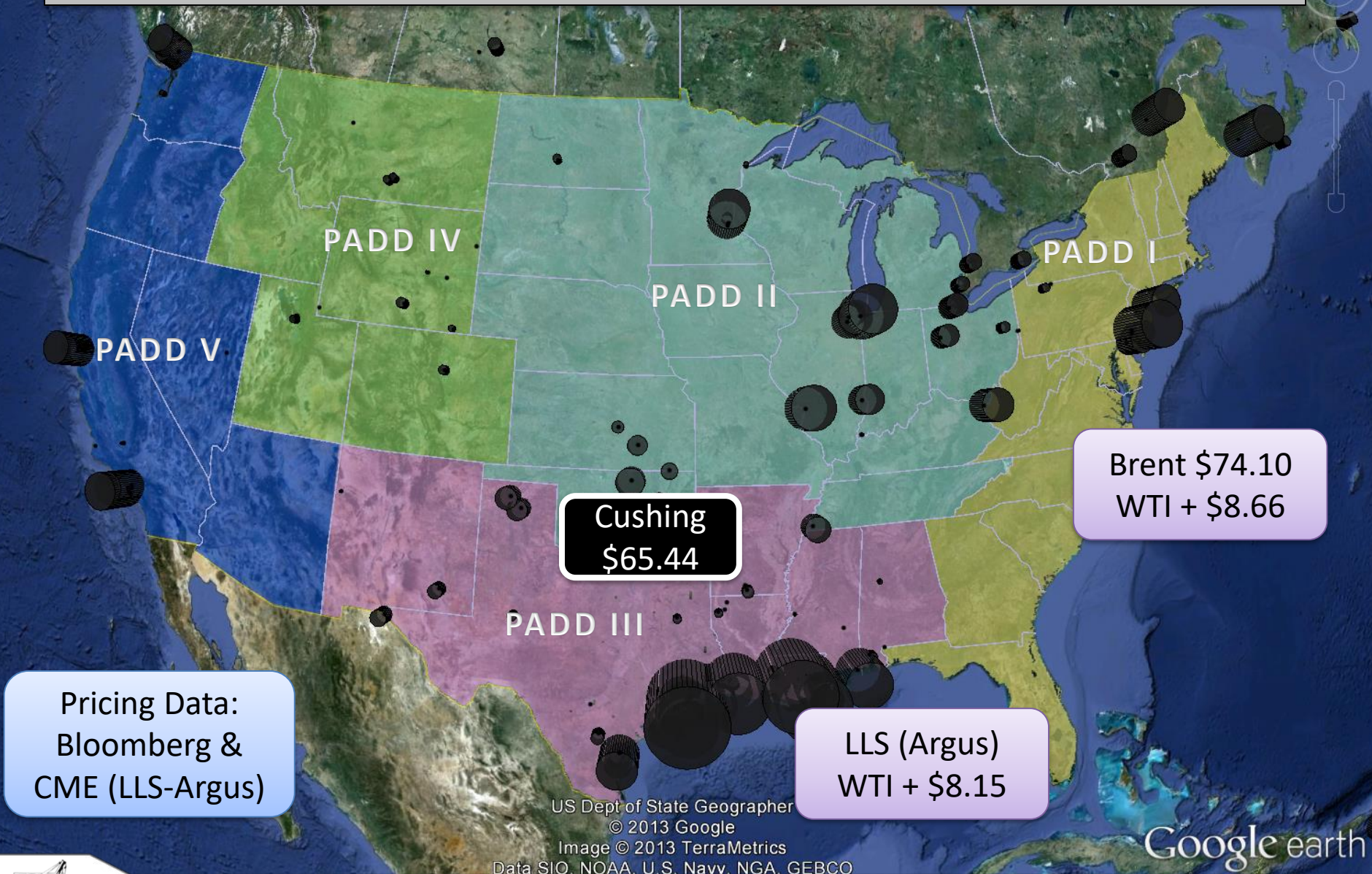
Data for Rail Destination Market Share Provided by the US Energy Information Administration



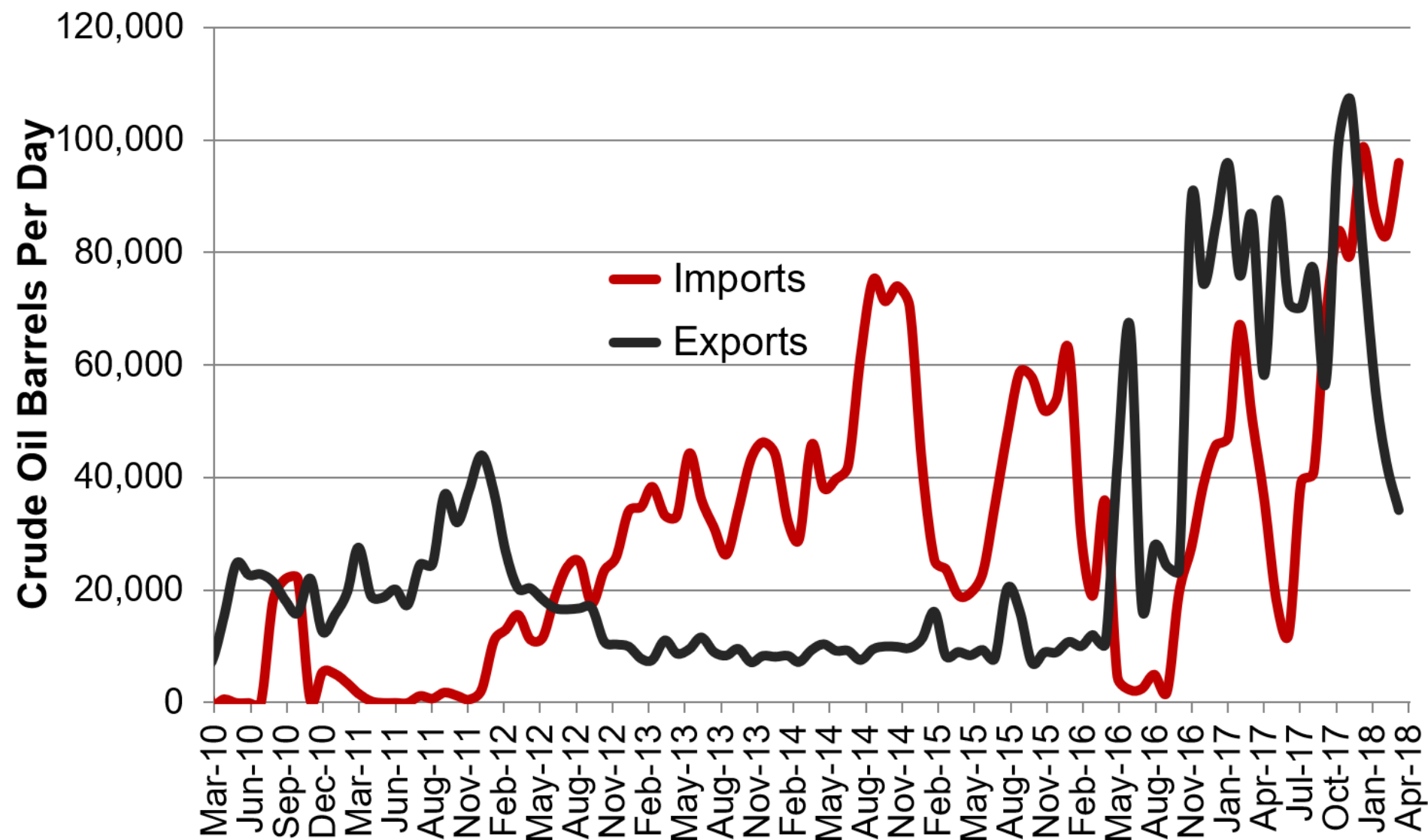
Major Rail Lines and Refineries



Crude Oil Prices – June 15, 2018



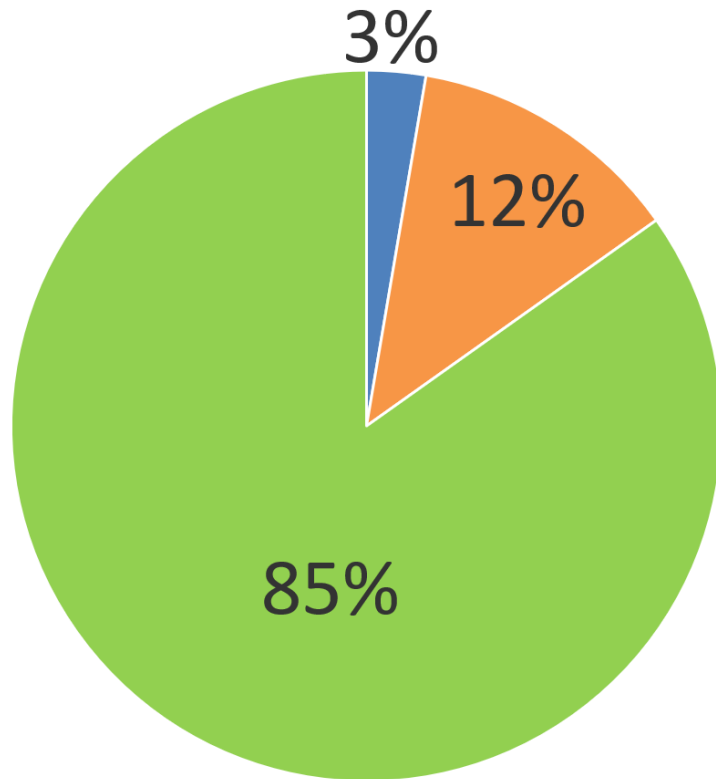
Williston Basin Truck Imports and Exports with Canada



Data for truck imports/exports chart is provided by the US International Trade Commission



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.

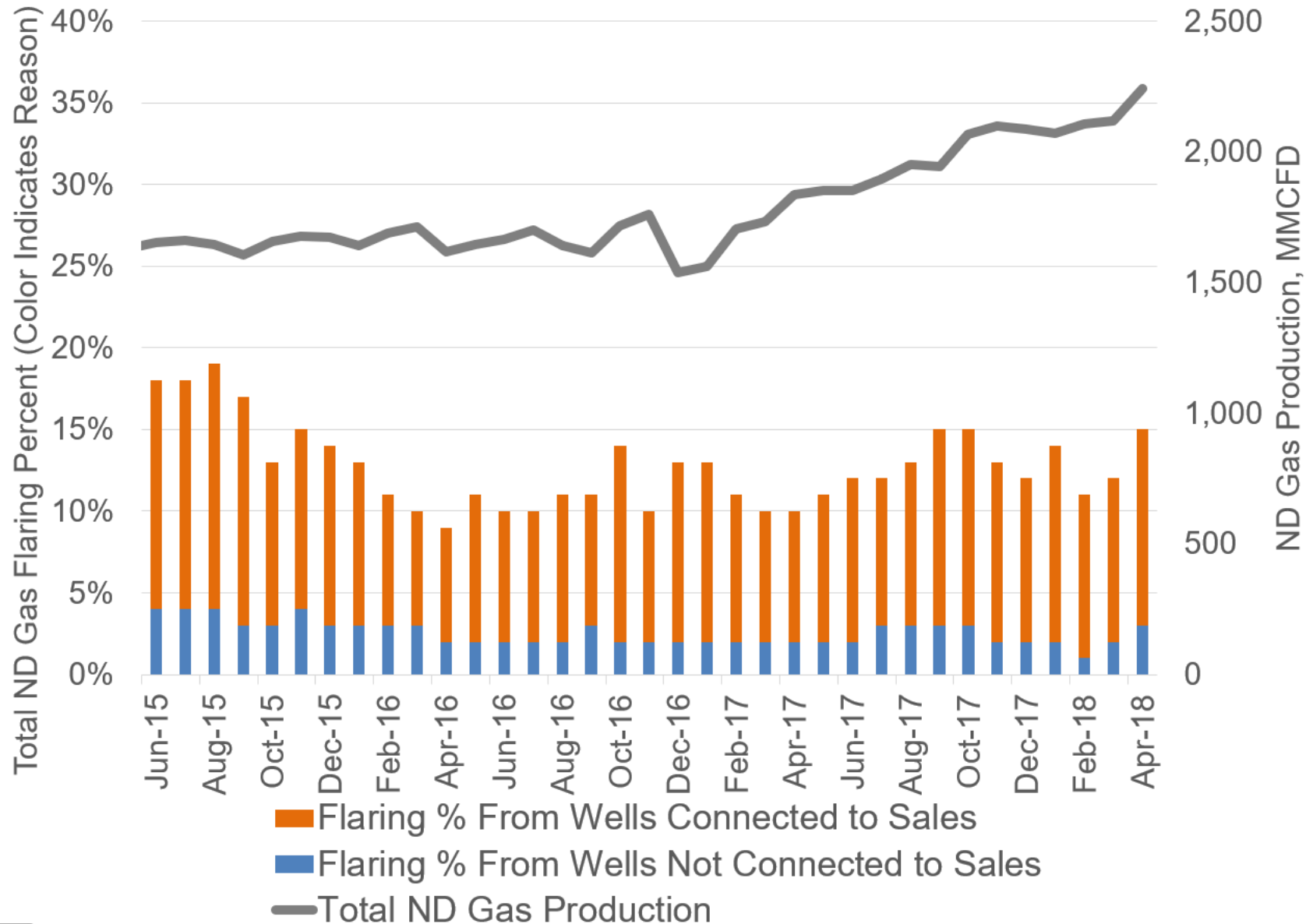
Simple Terms

Blue – Lack of pipelines
Orange – Challenges on existing infrastructure

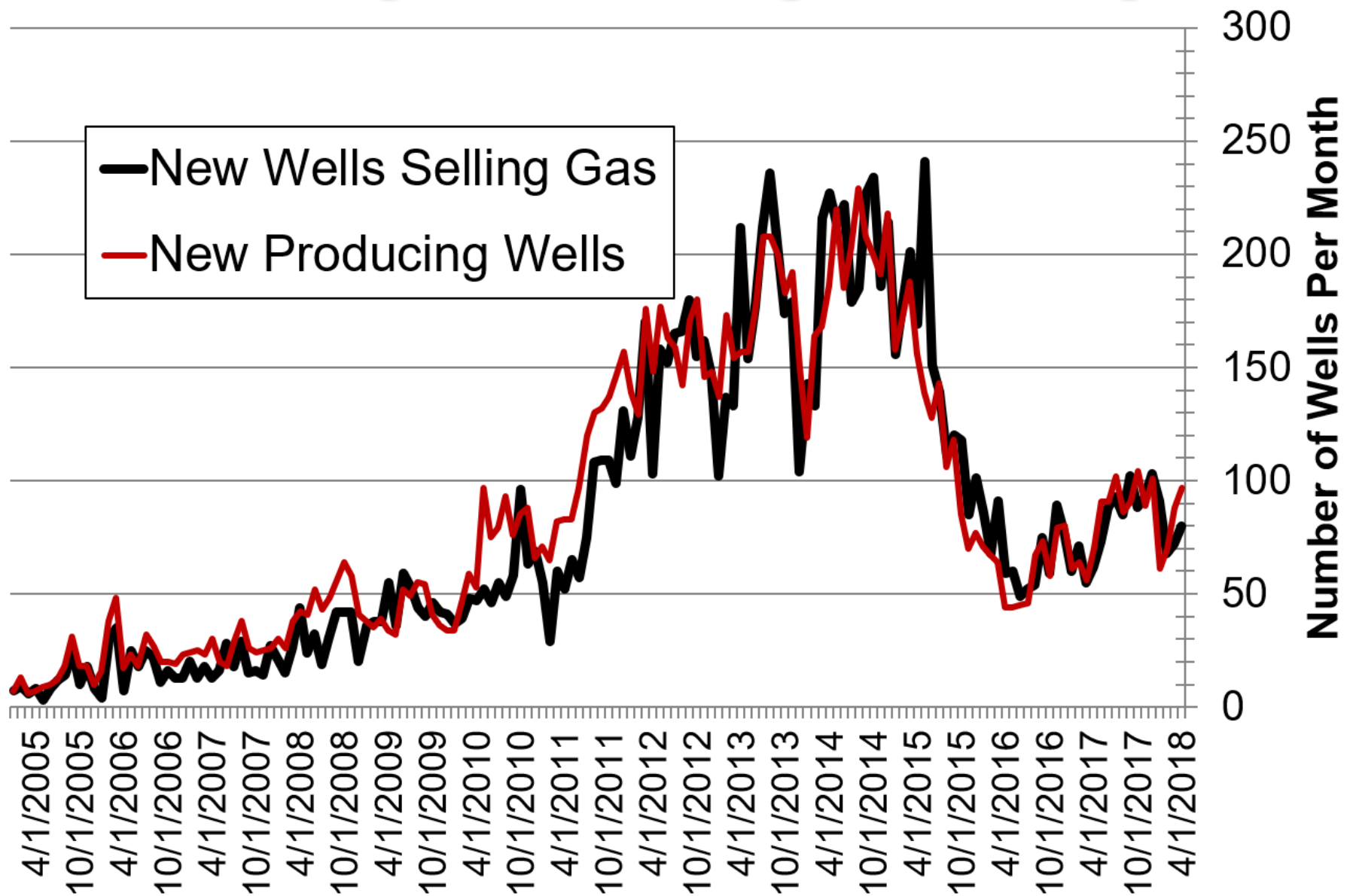
April 2018 Data – Non-Confidential Wells



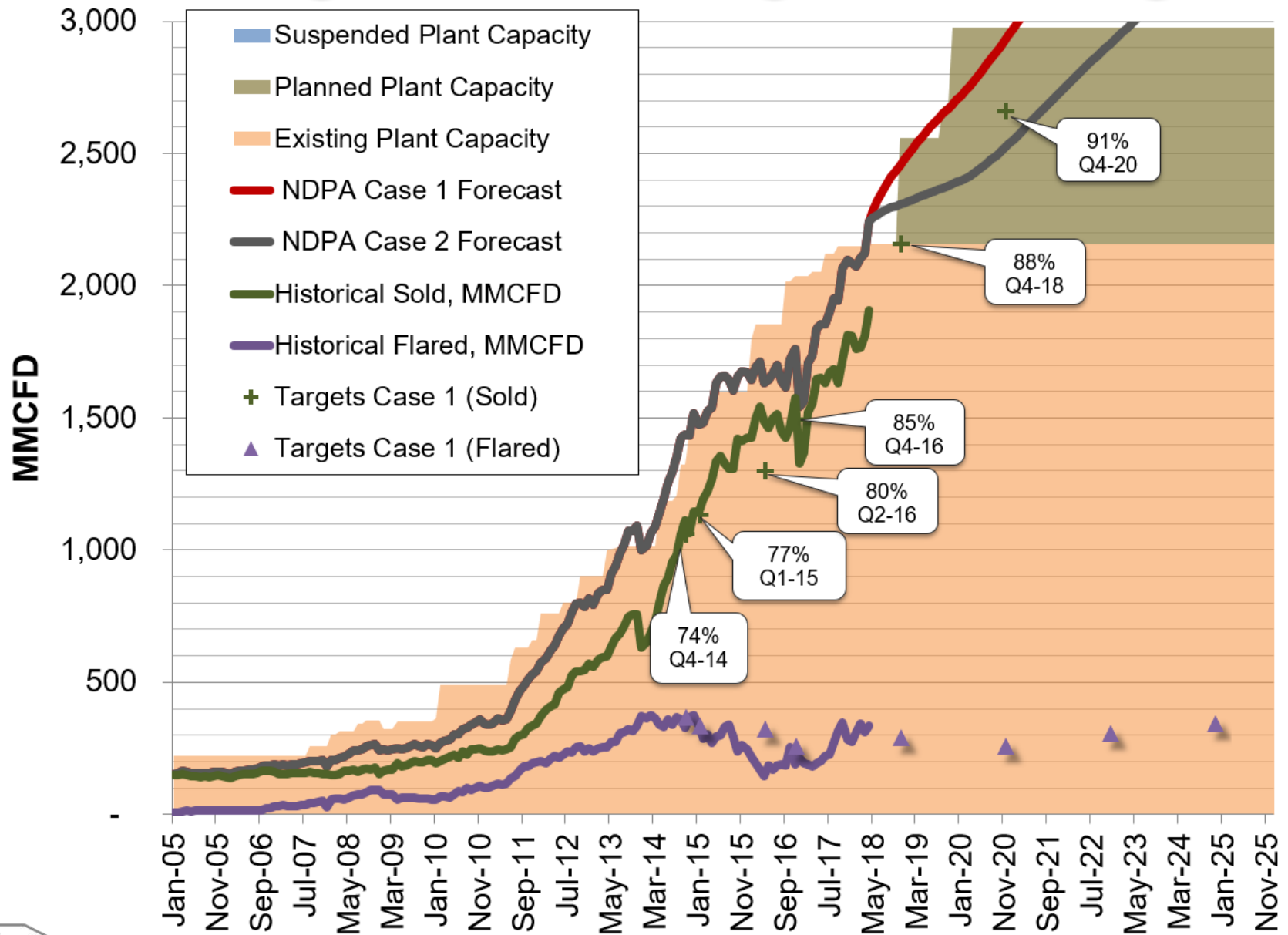
Solving the Flaring Challenge



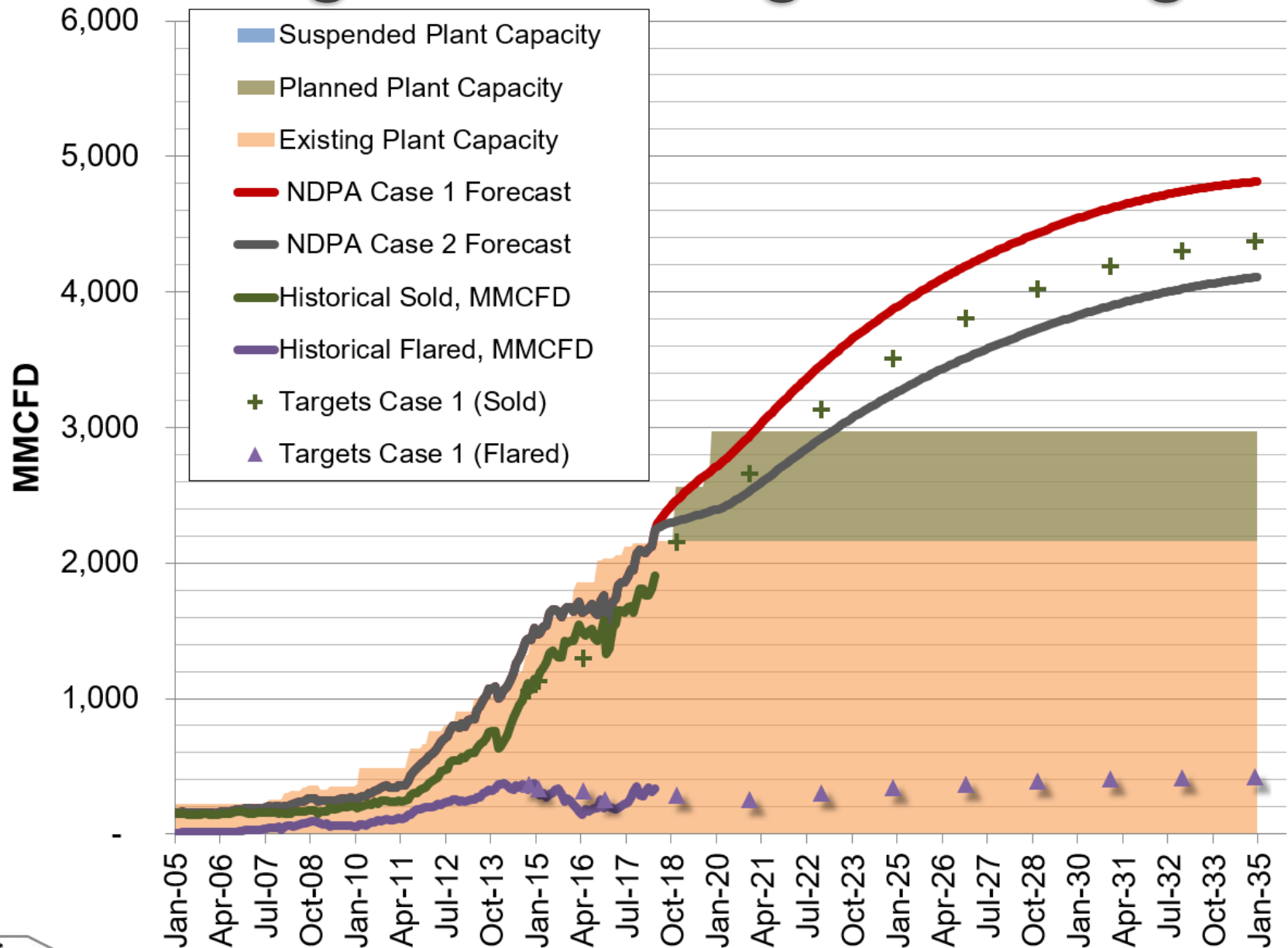
Solving the Flaring Challenge



Solving the Flaring Challenge



Solving the Flaring Challenge



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