



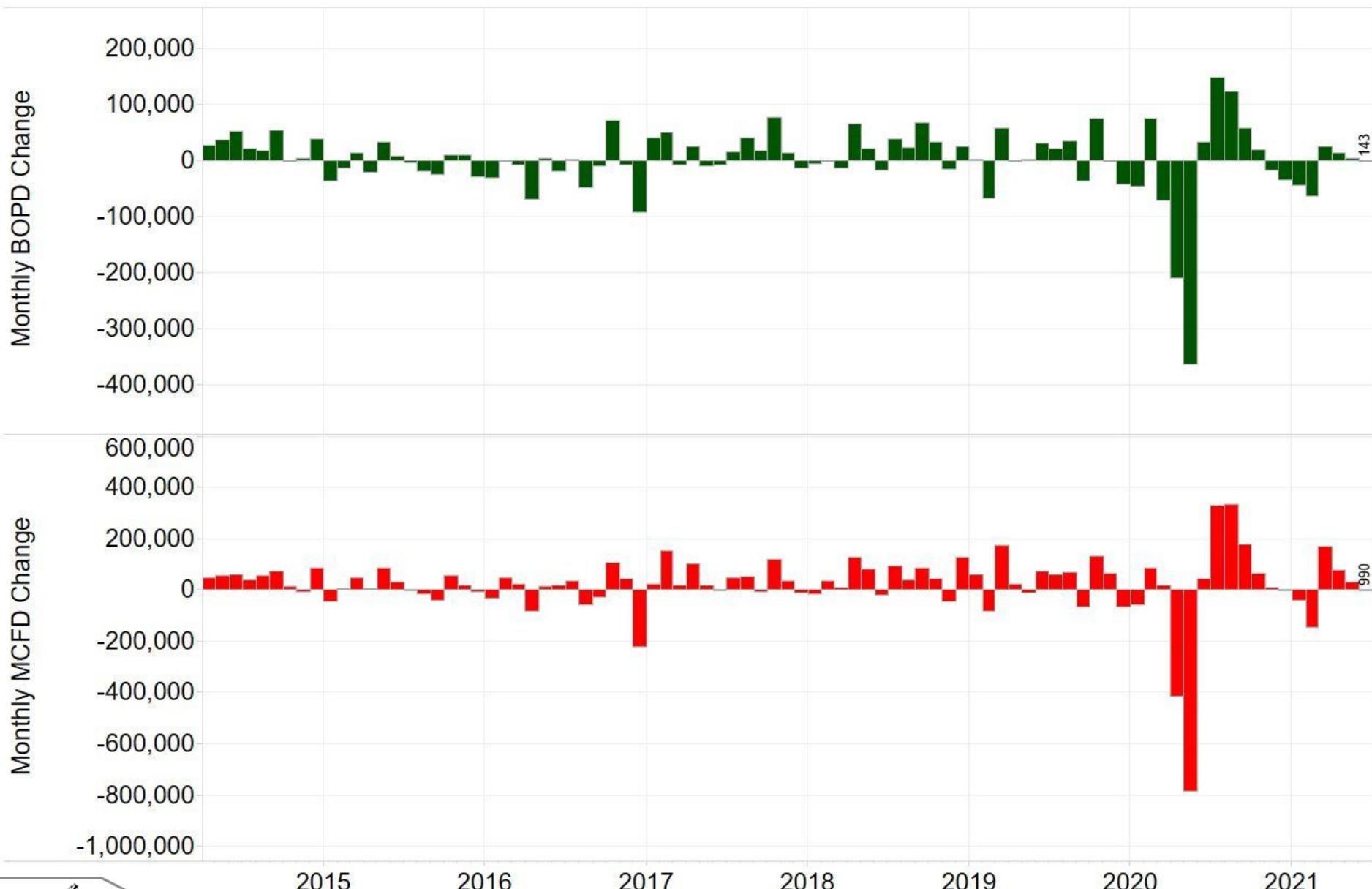
**August 2021 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
August 13, 2021**

# US Williston Basin Oil Production - 2021

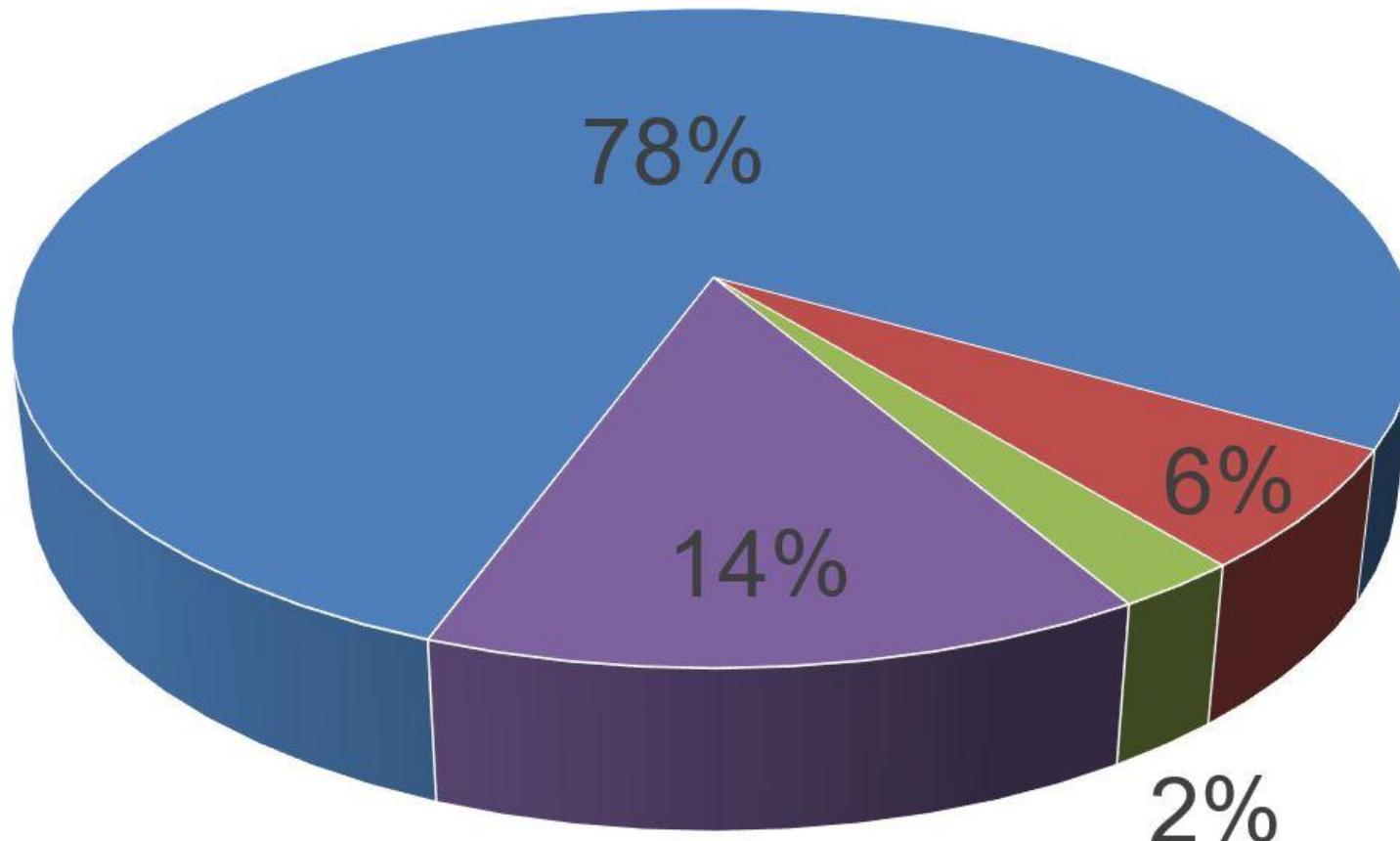
| MONTH     | ND        | Eastern MT* | SD    | TOTAL     |
|-----------|-----------|-------------|-------|-----------|
| January   | 1,147,464 | 50,140      | 2,874 | 1,200,477 |
| February  | 1,083,716 | 47,956      | 2,829 | 1,134,501 |
| March     | 1,108,918 | 49,257      | 2,744 | 1,160,919 |
| April     | 1,123,166 | 48,178      | 2,644 | 1,173,988 |
| May       | 1,128,042 | 46,424      | 2,640 | 1,177,106 |
| June      | 1,128,185 |             |       |           |
| July      |           |             |       |           |
| August    |           |             |       |           |
| September |           |             |       |           |
| October   |           |             |       |           |
| November  |           |             |       |           |
| December  |           |             |       |           |



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



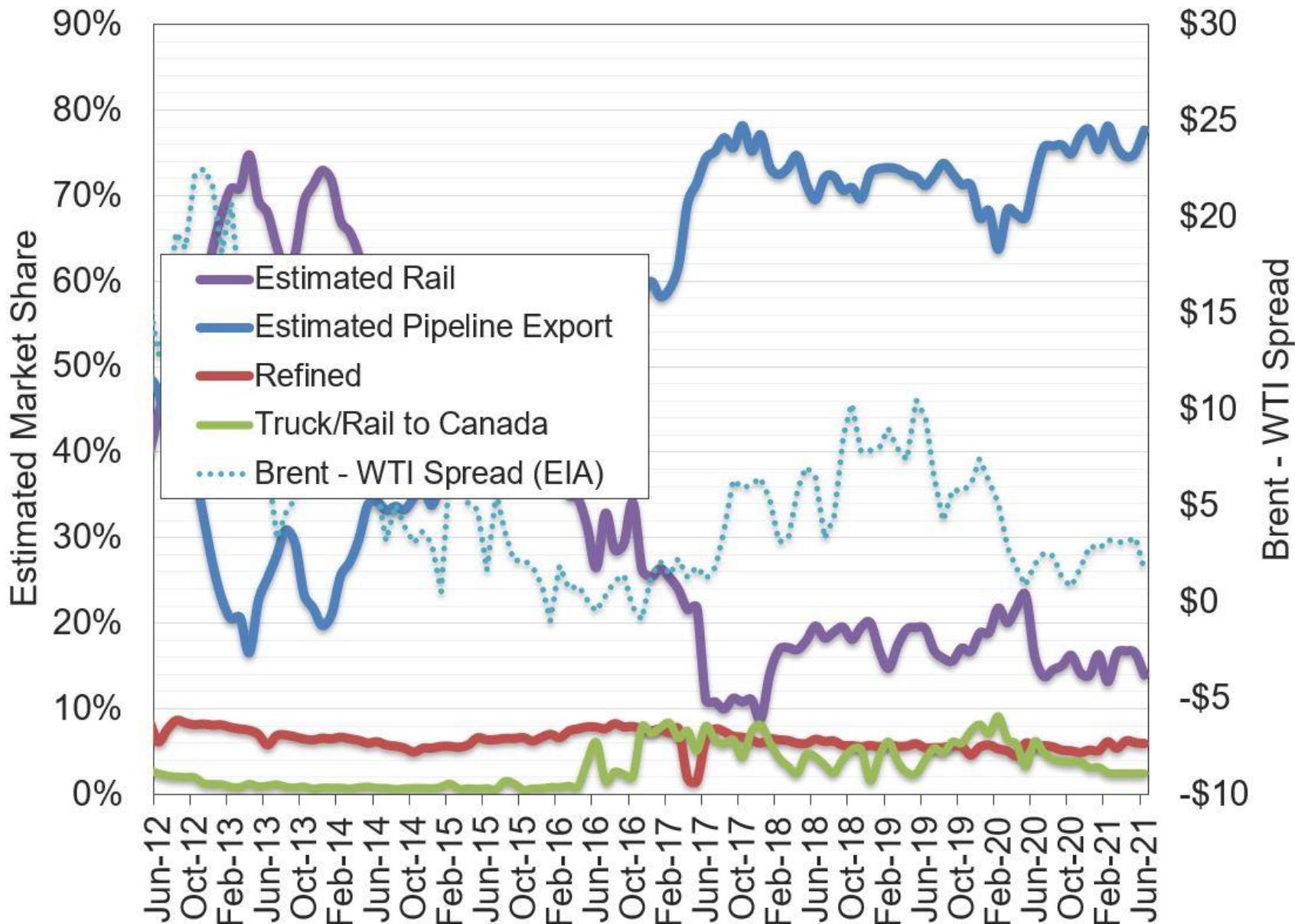
- Pipeline Export
- Truck/Rail to Canada

- Refined
- Estimated Rail

June 2021



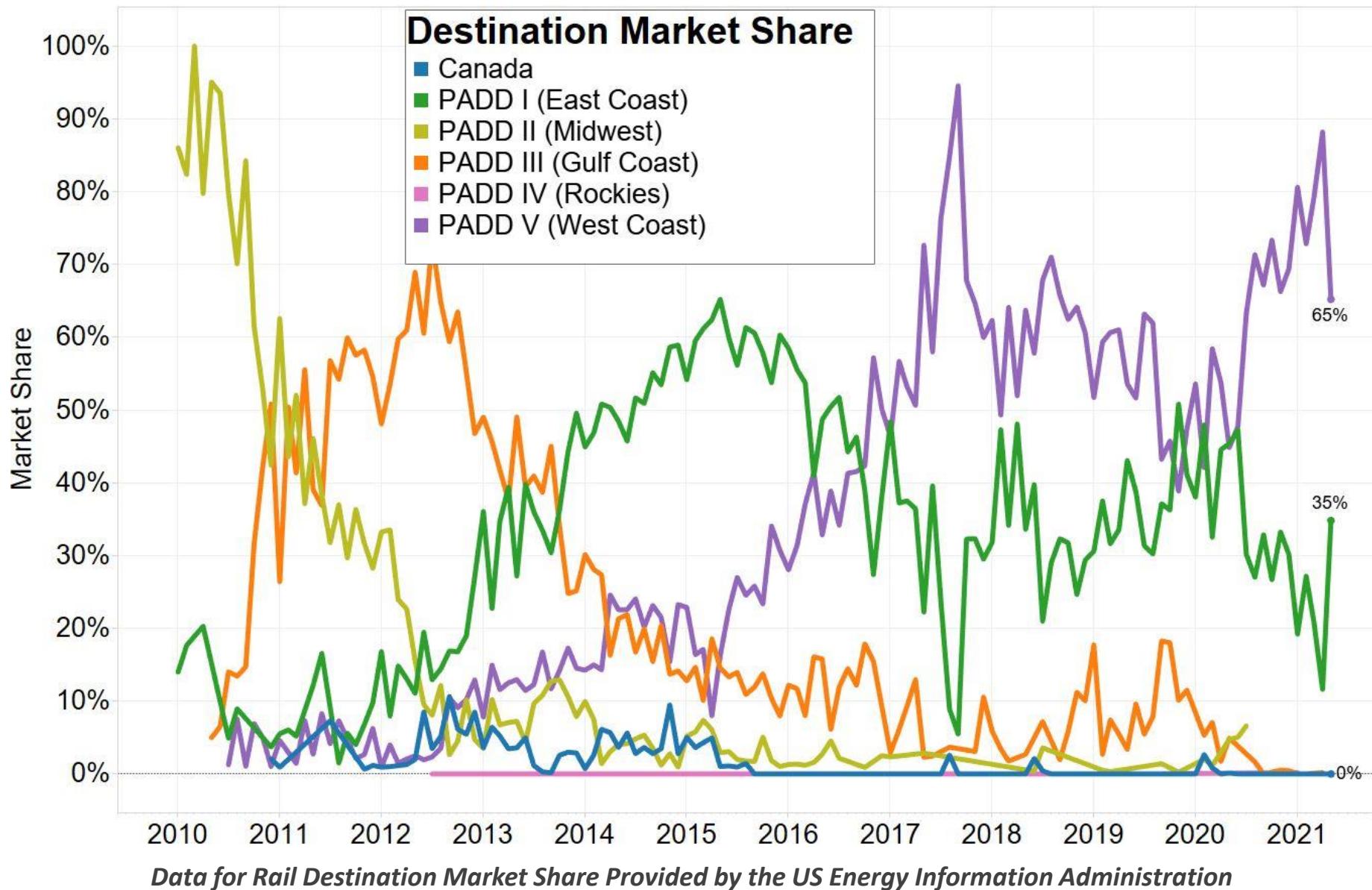
# Estimated Williston Basin Oil Transportation



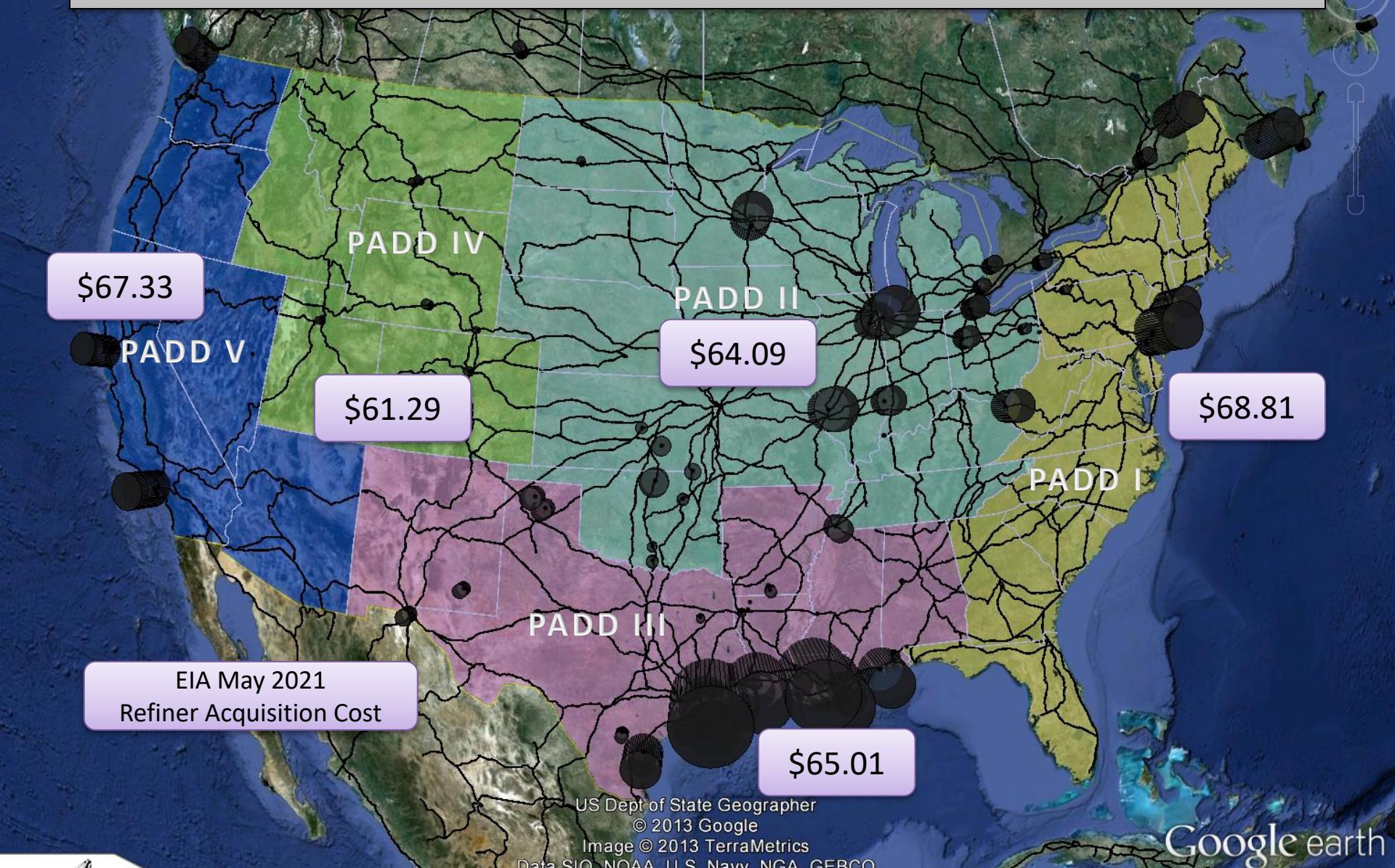
# Estimated ND Rail Export Volumes



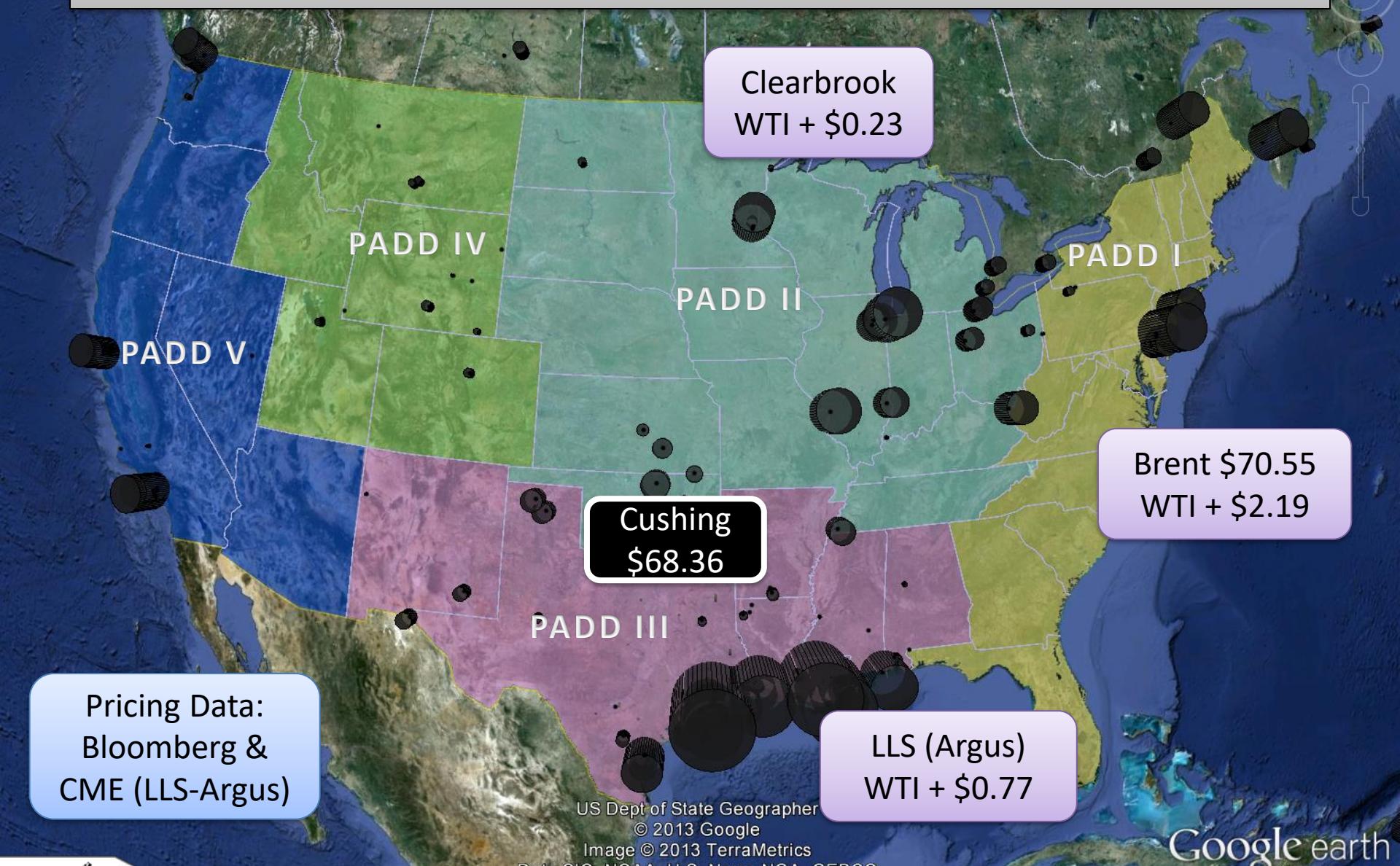
# Rail Destinations Market Share (May 2021)



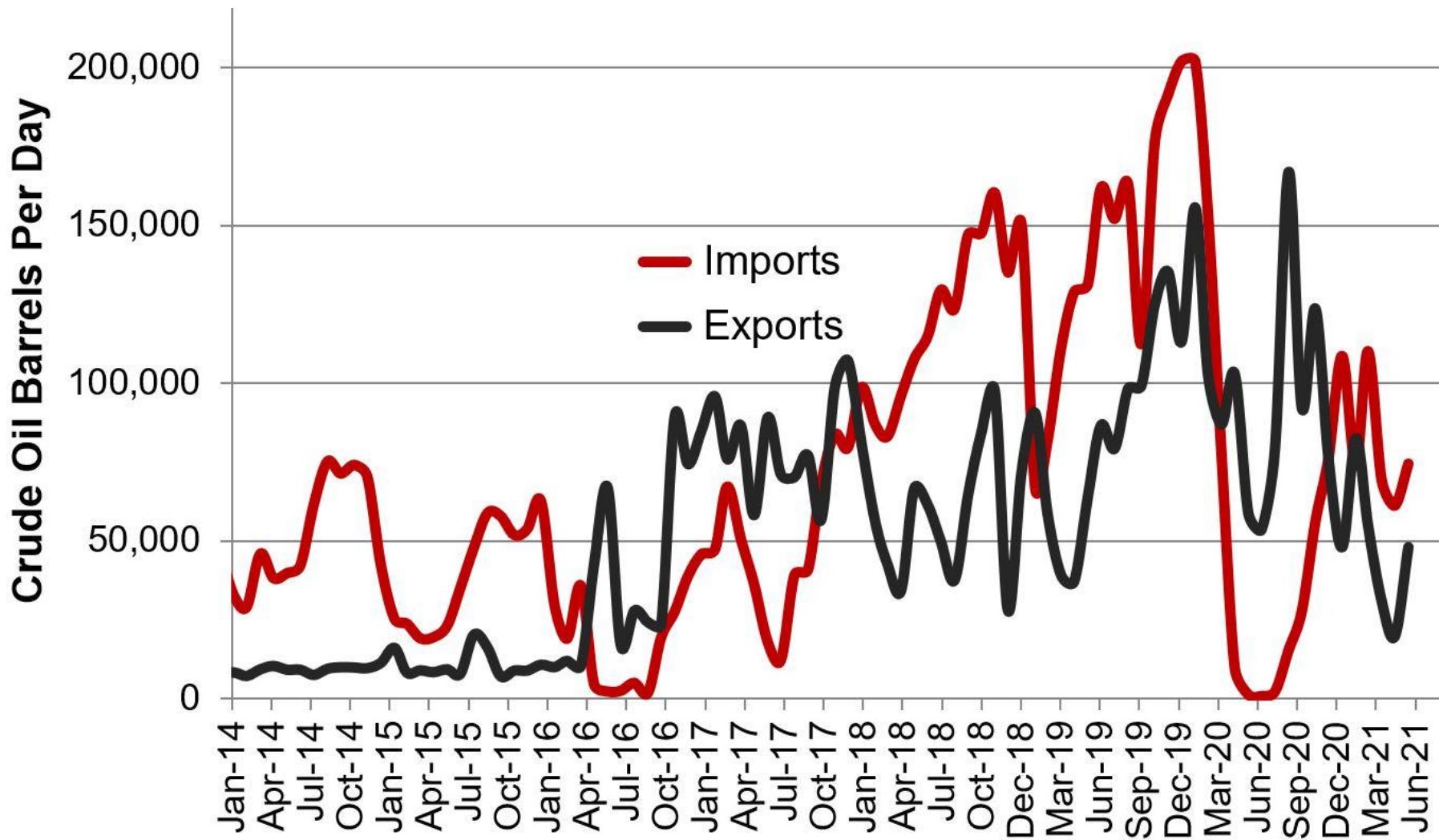
# Major Rail Lines and Refineries



# Crude Oil Prices – August 13, 2021



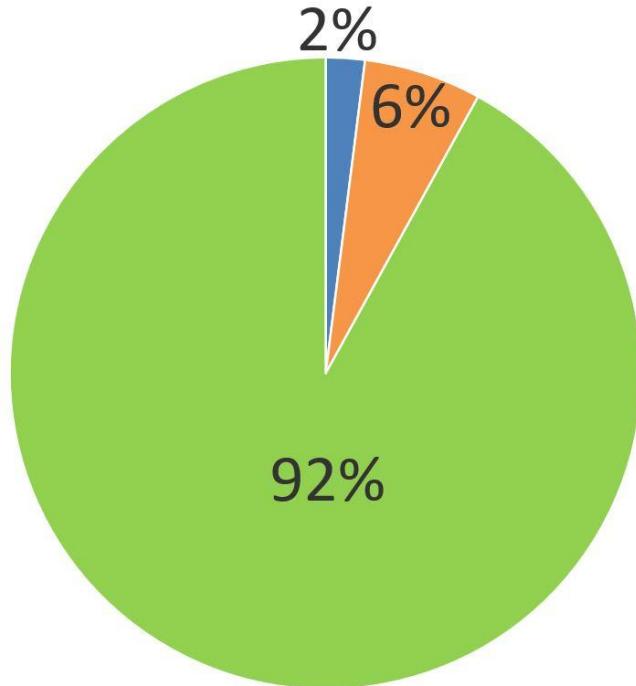
# Williston Basin Truck/Rail Imports and Exports with Canada



*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.

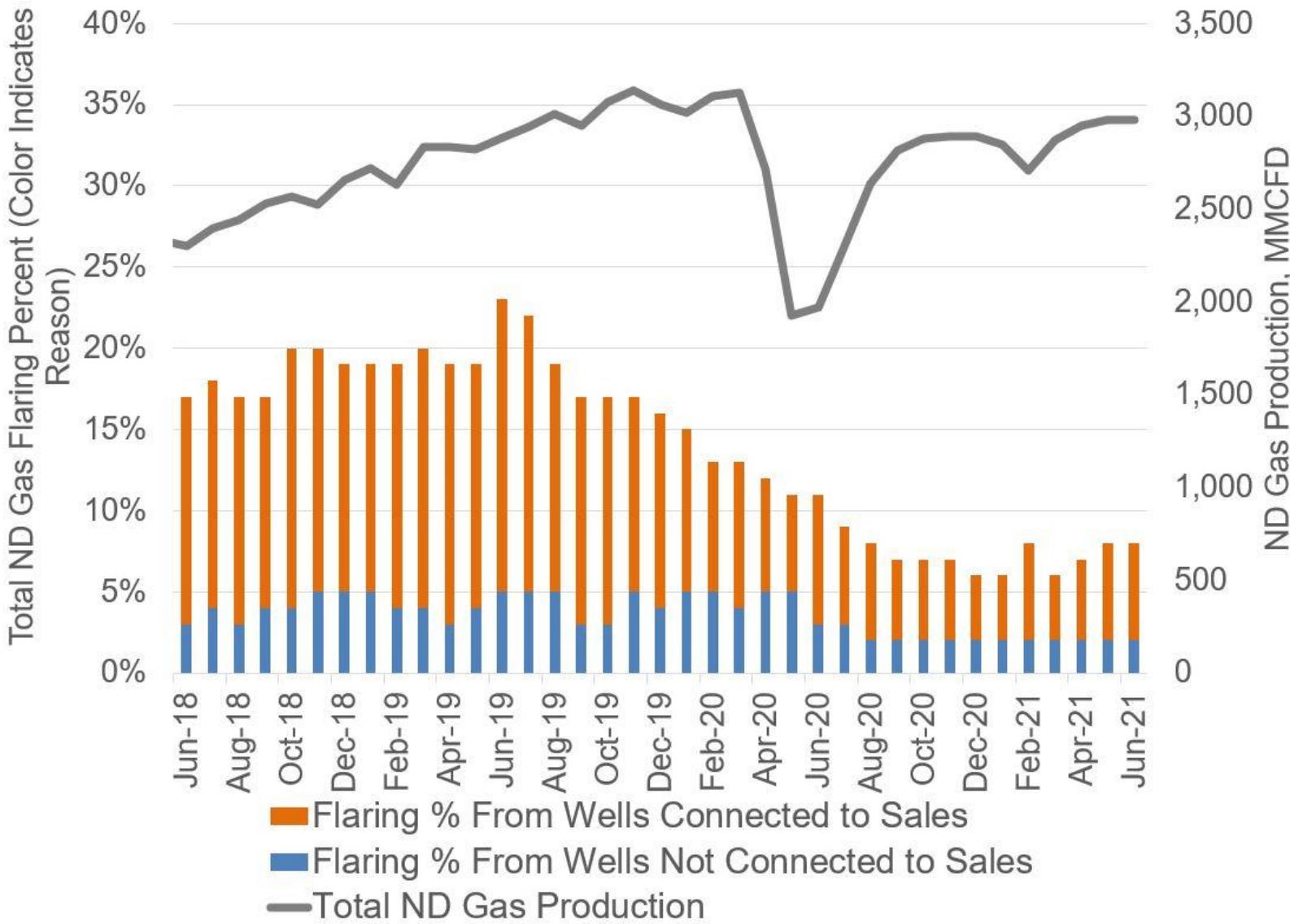
## Simple Terms

**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

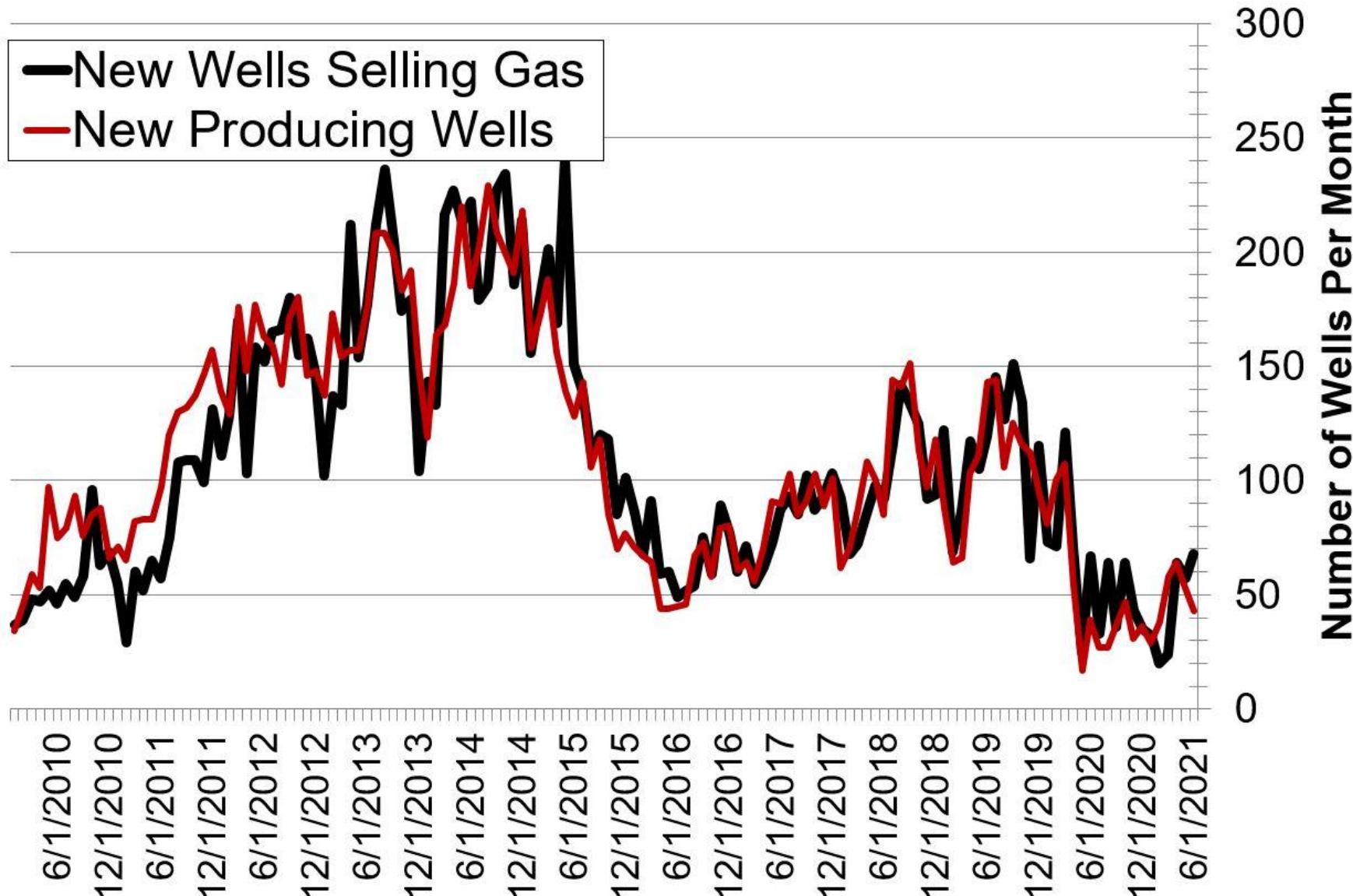
June 2021 Data – Non-Confidential Wells



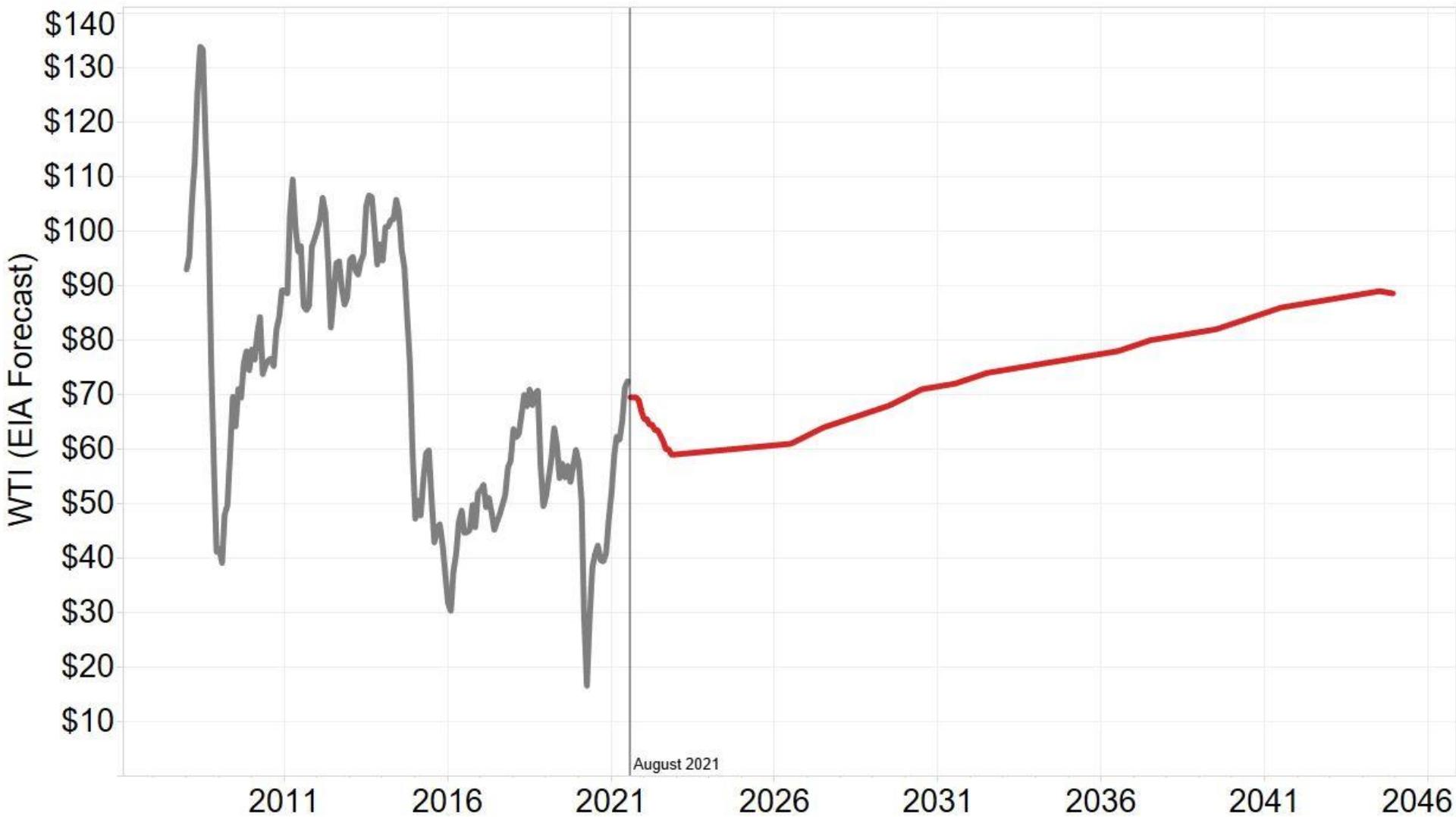
# Solving the Flaring Challenge



# Solving the Flaring Challenge



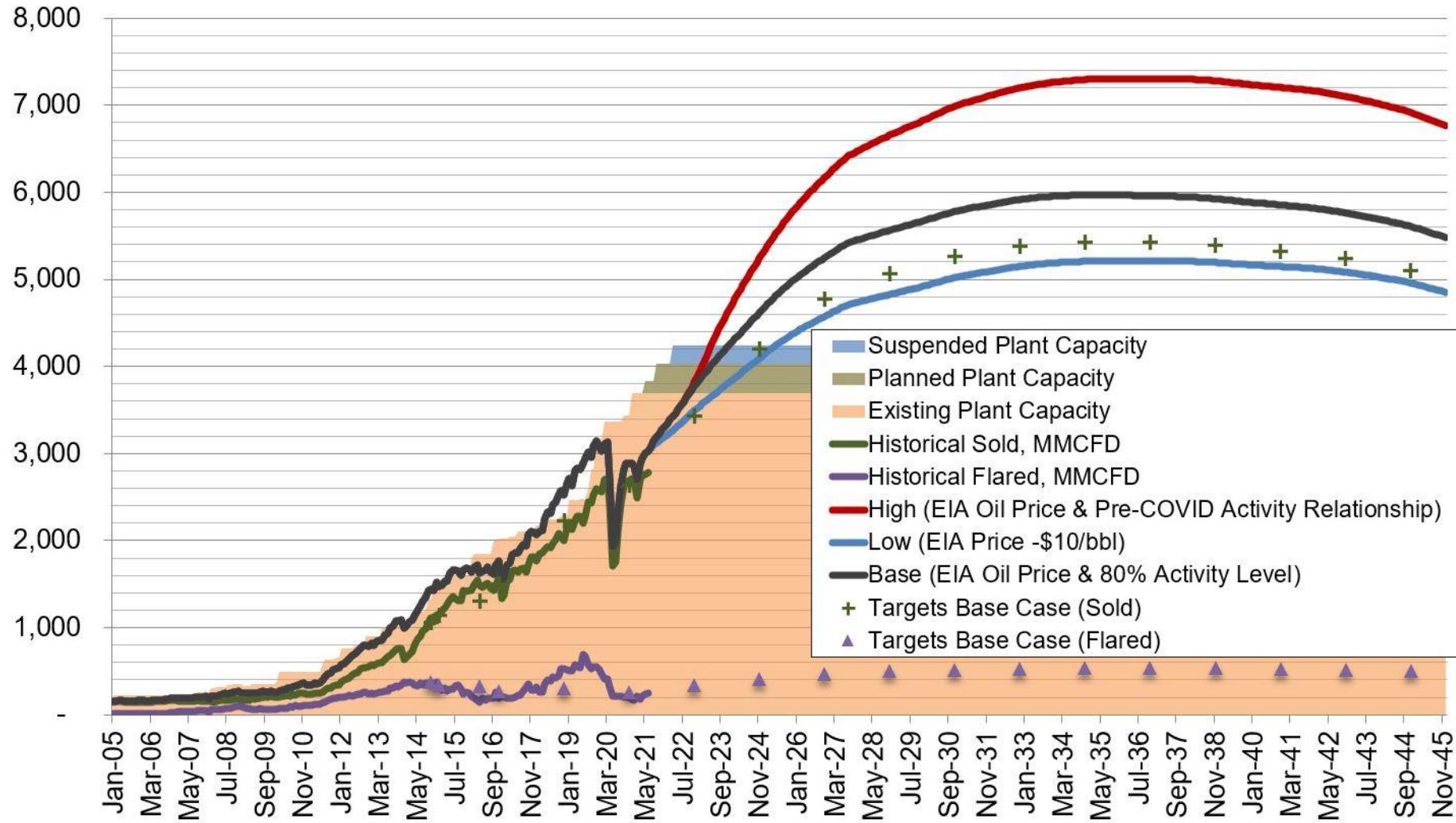
# EIA Oil Price Forecast\*



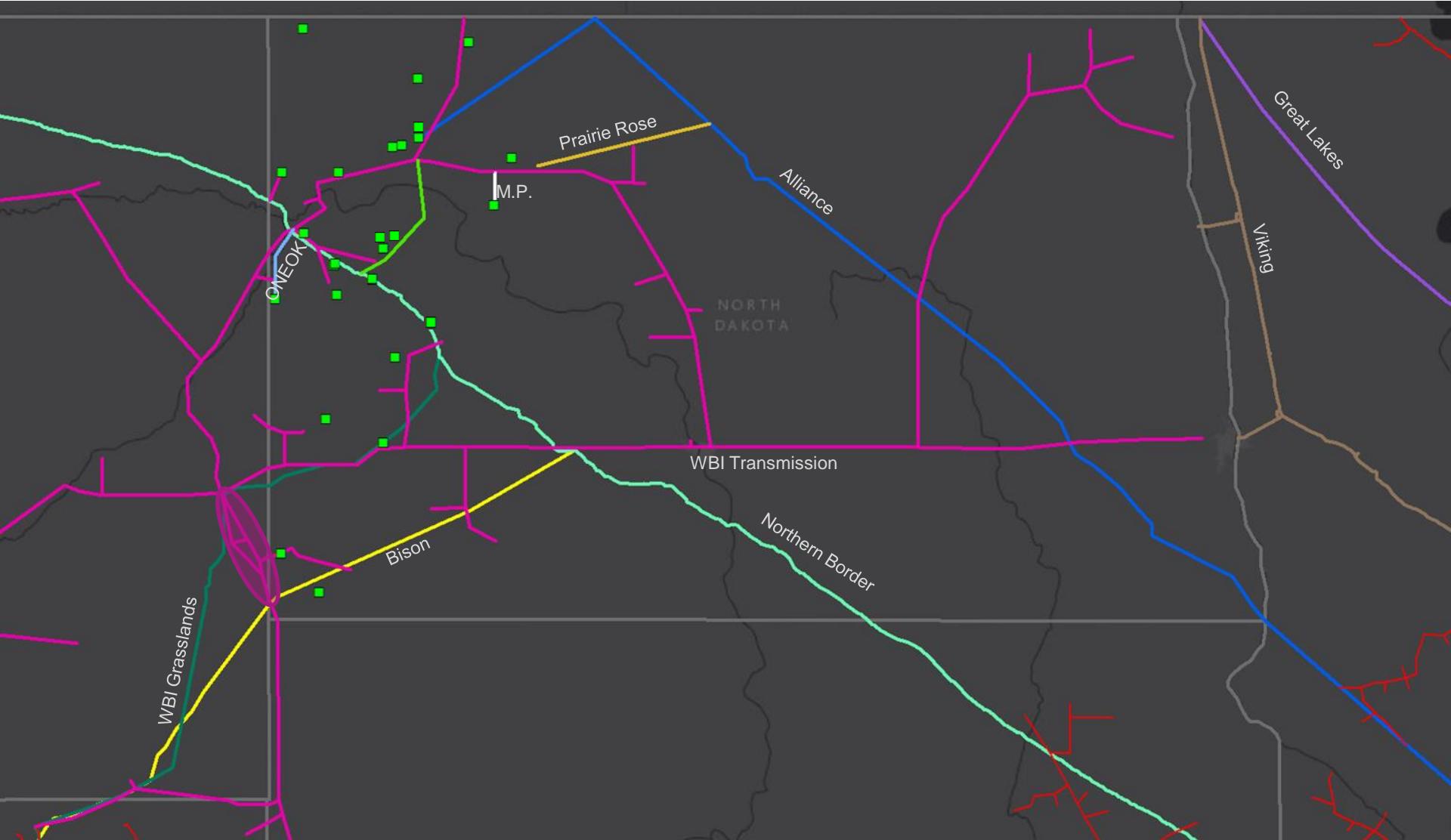
\*EIA August 2021 SEO and February 2021 AEO Blend



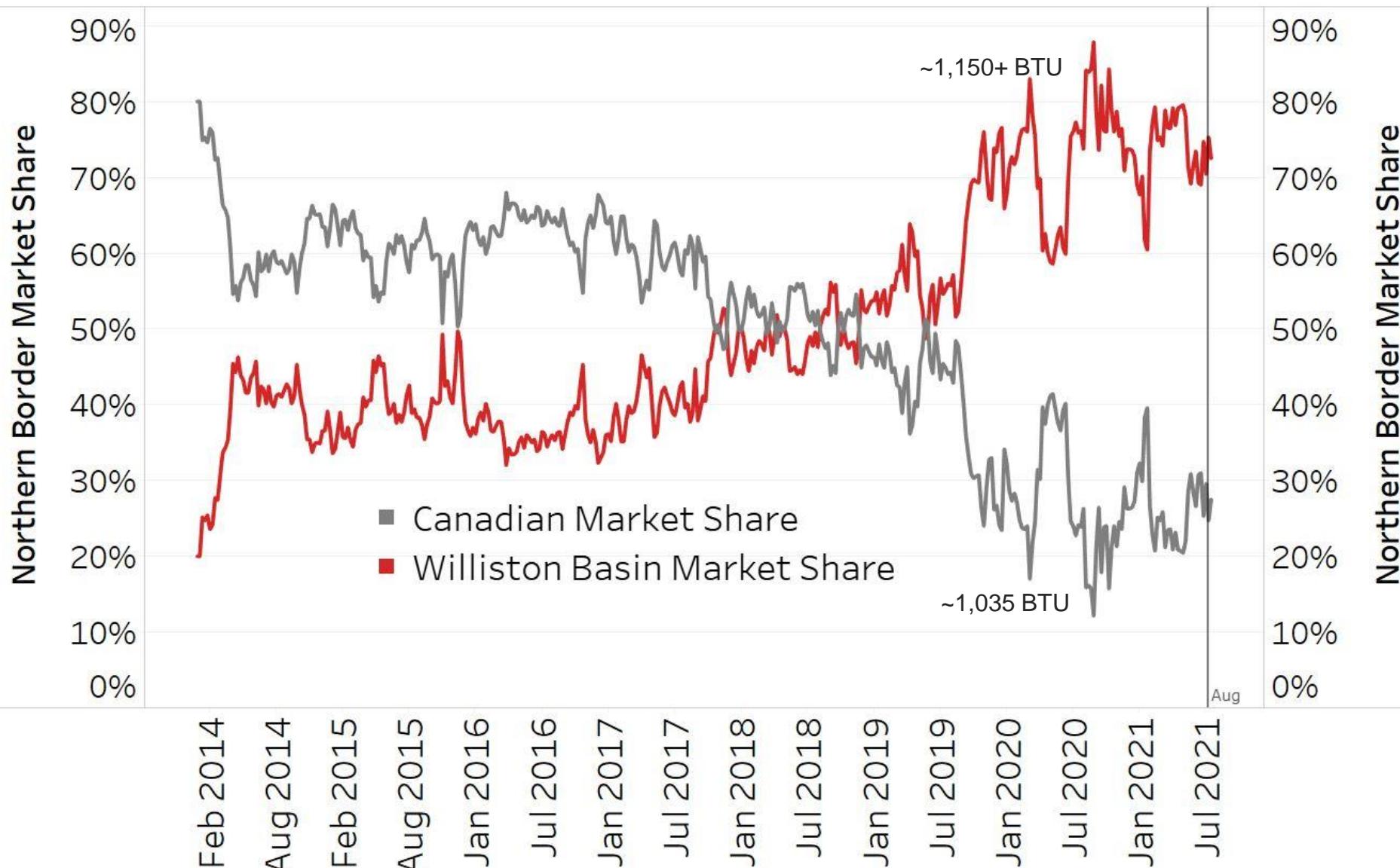
# Solving the Flaring Challenge



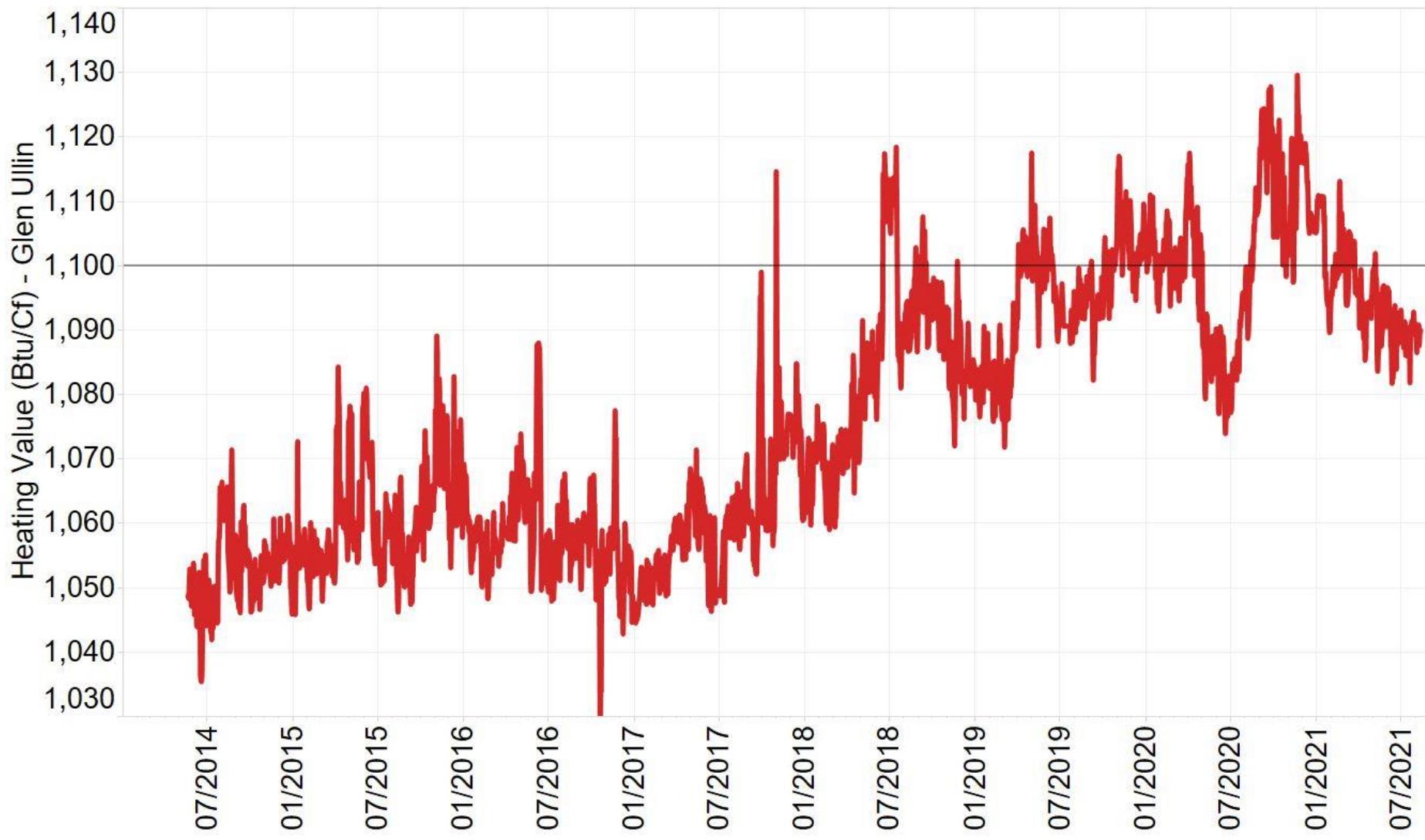
# Major Gas Pipeline and Processing Infrastructure



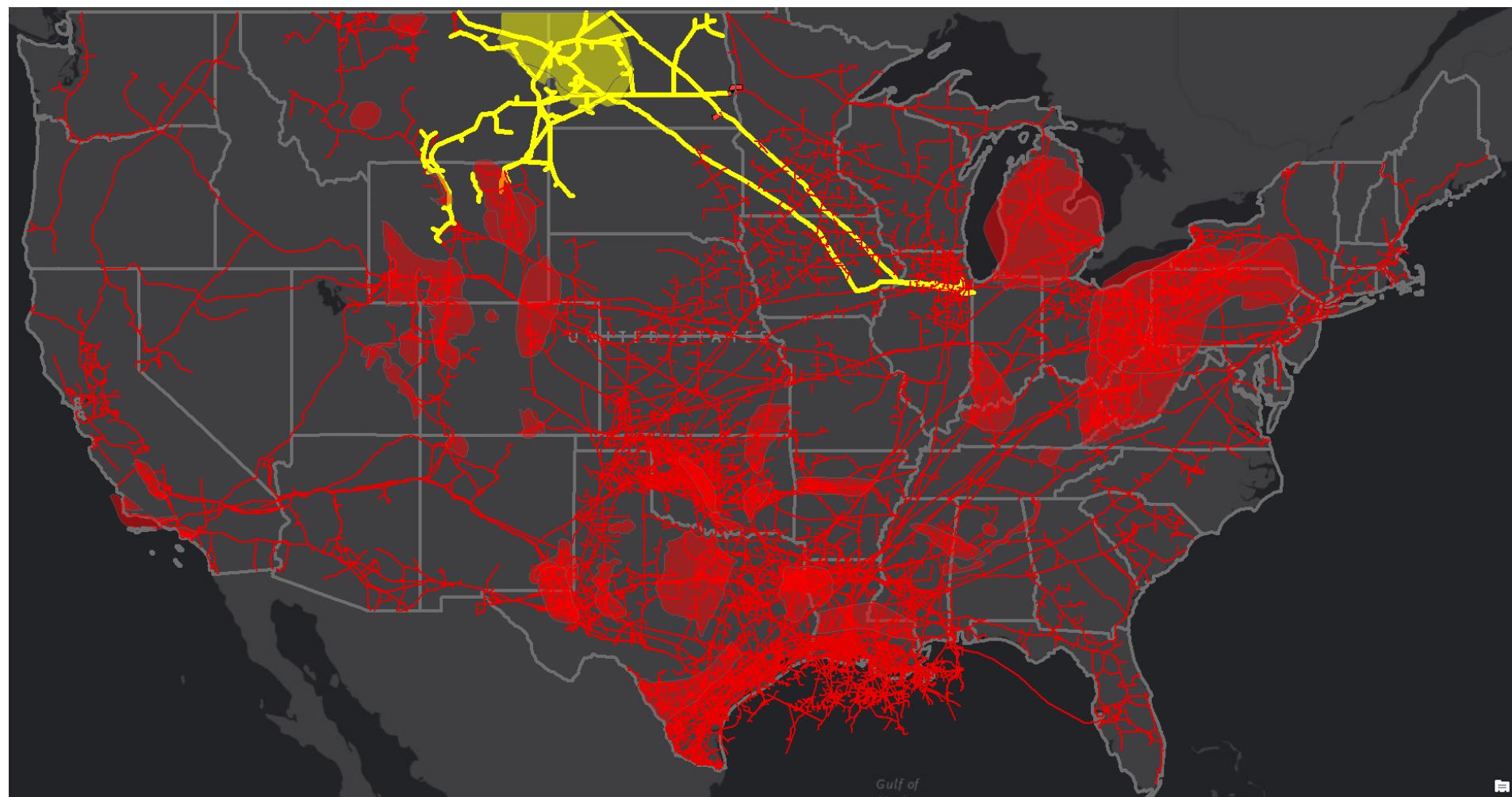
# Northern Border Pipeline Market Share



# Northern Border BTU at Glen Ullin, ND



# Bakken Natural Gas Infrastructure



# Contact Information

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**Know what's below.  
Call before you dig.**



JJ Kringstad - North Dakota Pipeline Authority

Websites:

[www.pipeline.nd.gov](http://www.pipeline.nd.gov)

[www.northdakotapipelines.com](http://www.northdakotapipelines.com)

