



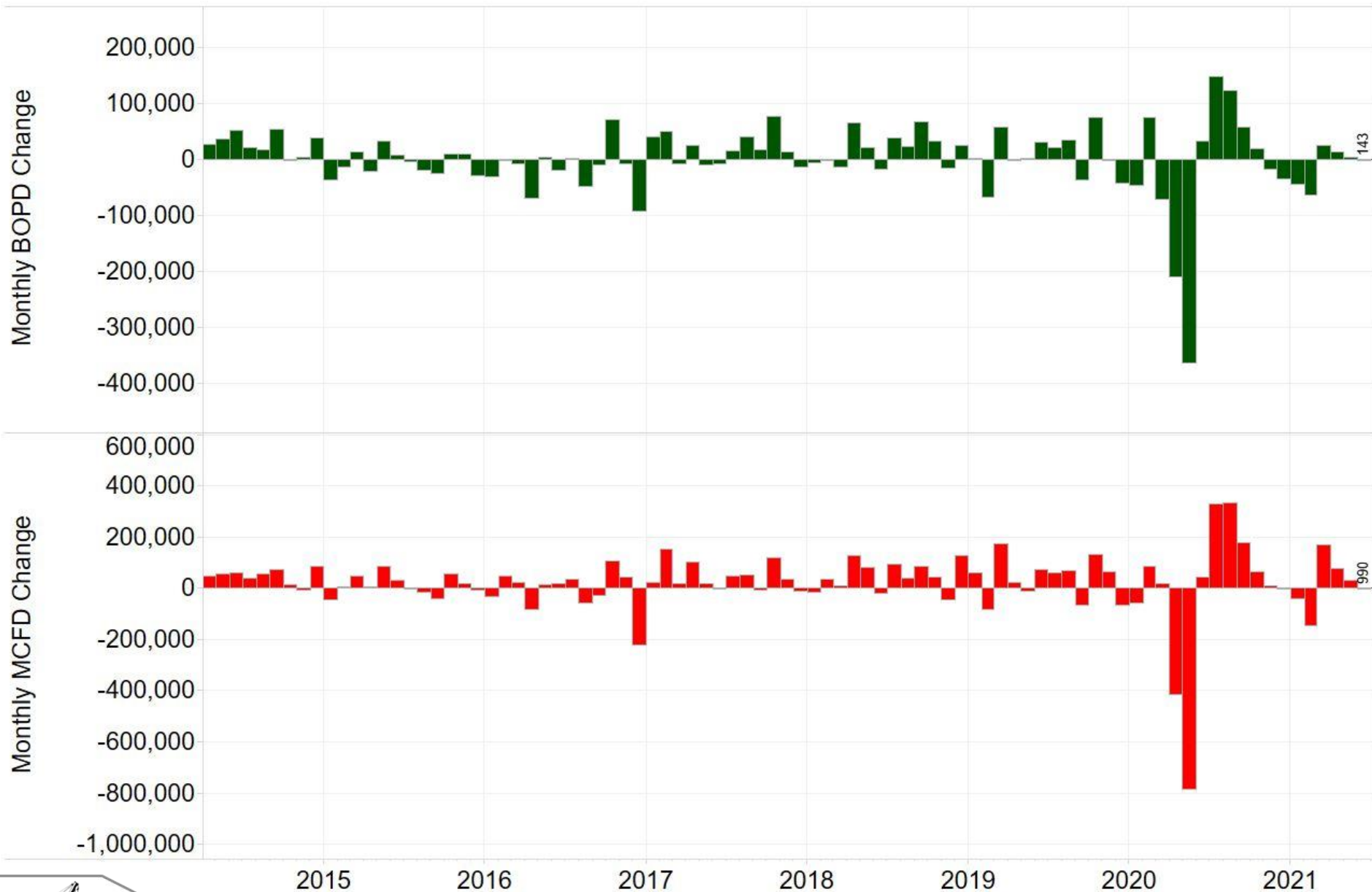
August 2021 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
August 13, 2021

# US Williston Basin Oil Production - 2021

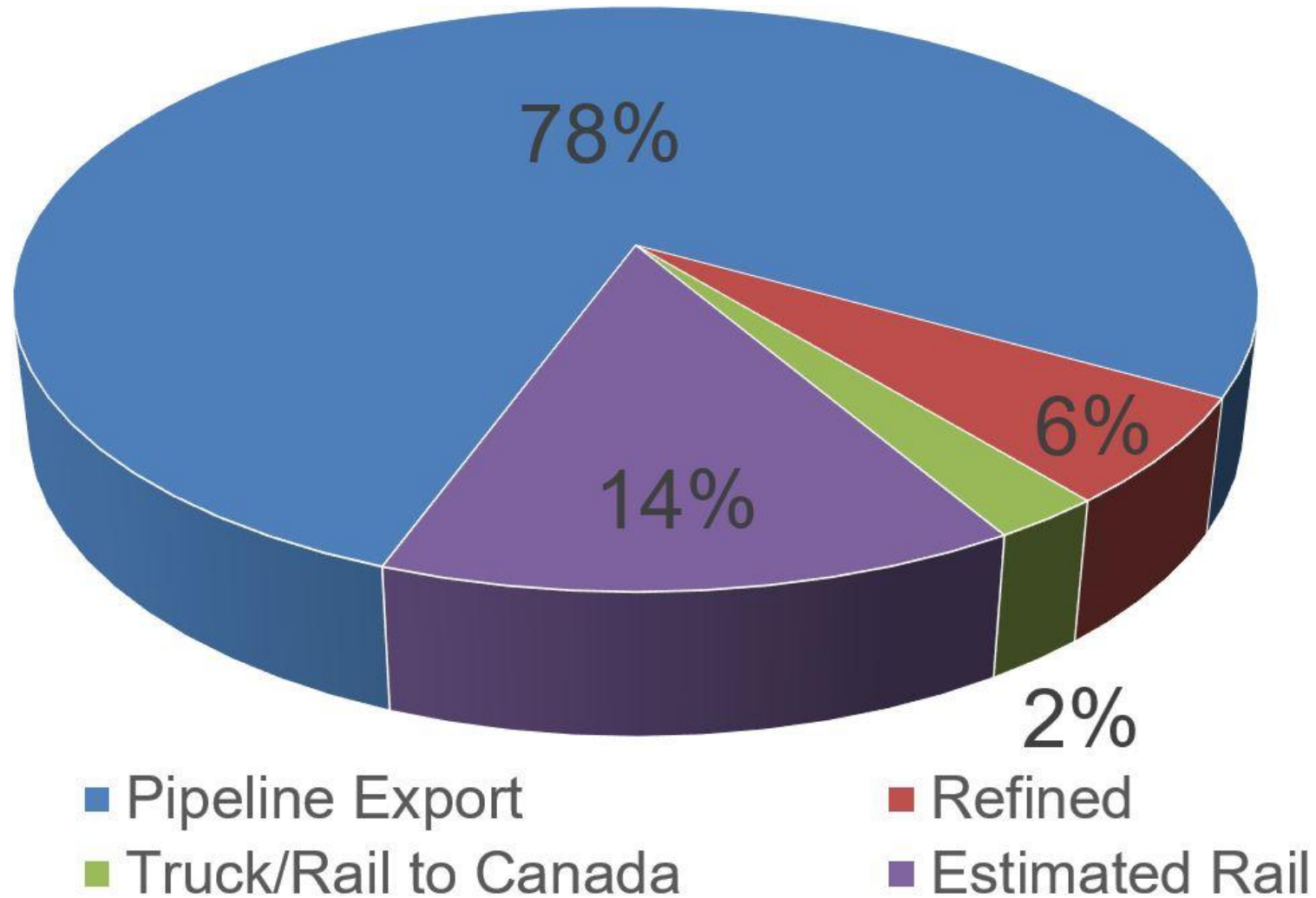
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,147,464	50,140	2,874	1,200,477
February	1,083,716	47,956	2,829	1,134,501
March	1,108,918	49,257	2,744	1,160,919
April	1,123,166	48,178	2,644	1,173,988
May	1,128,042	46,424	2,640	1,177,106
June	1,128,185			
July				
August				
September				
October				
November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



# North Dakota Monthly Production Change



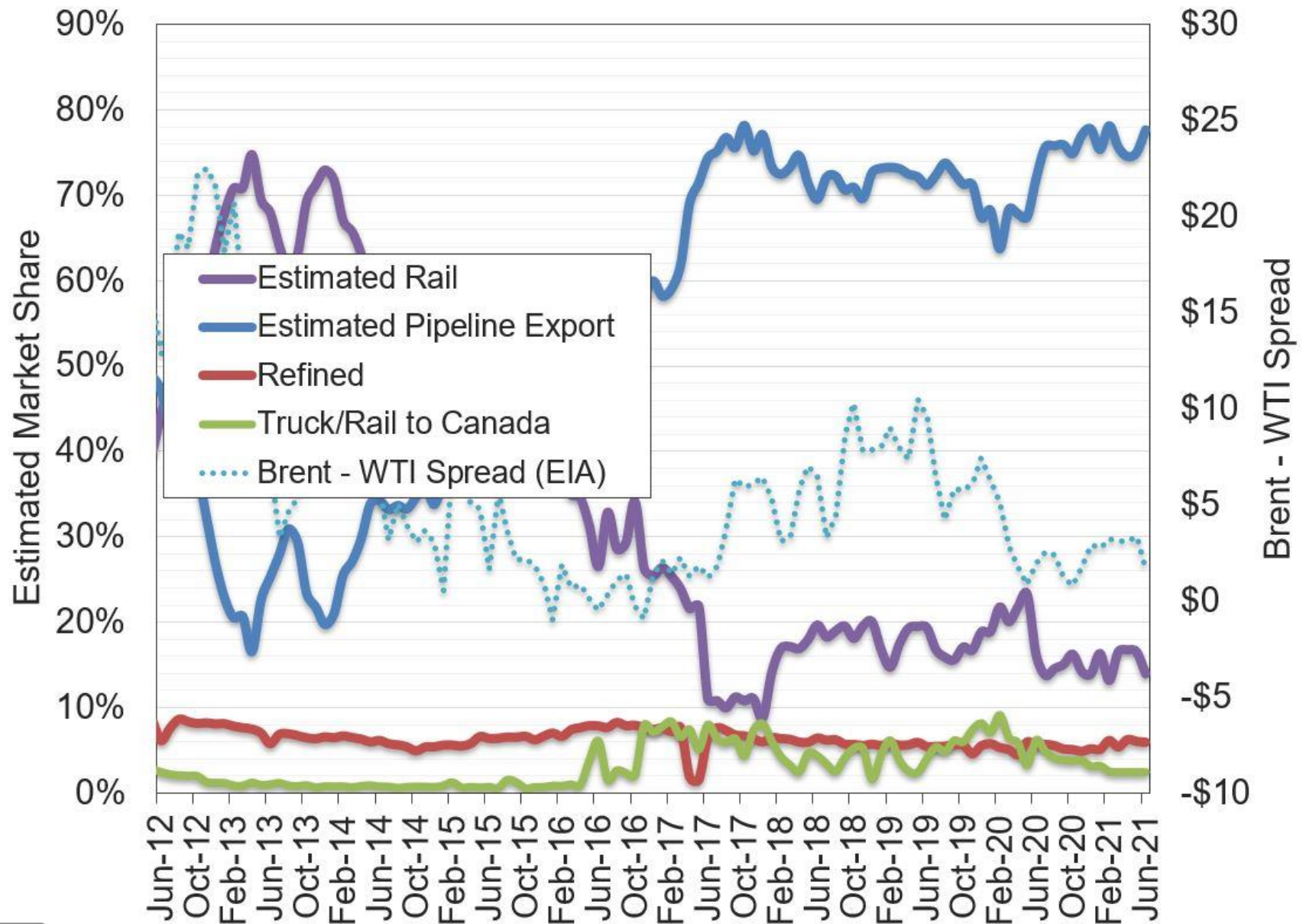
# Estimated Williston Basin Oil Transportation



June 2021<sup>4</sup>



# Estimated Williston Basin Oil Transportation

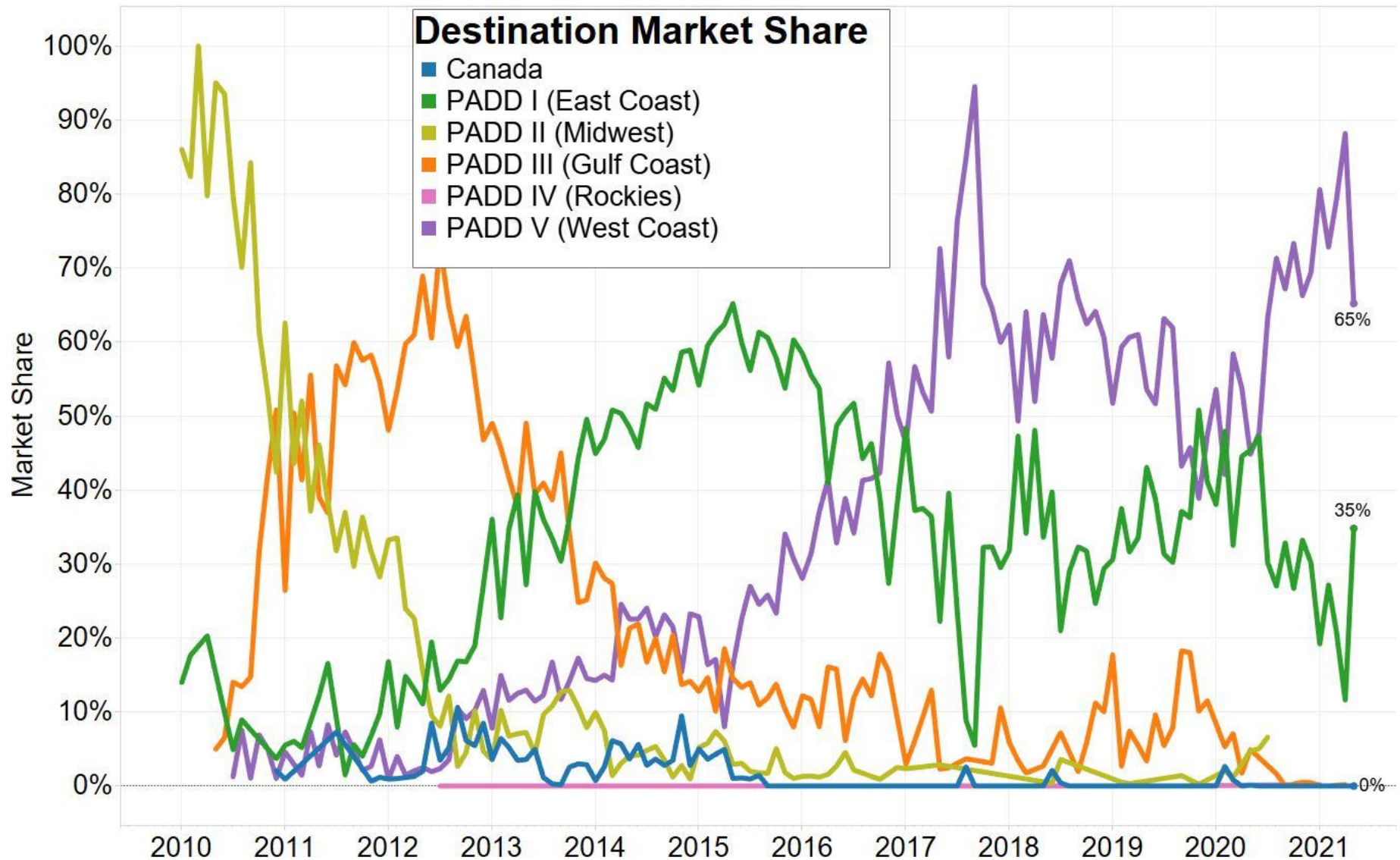




# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (May 2021)

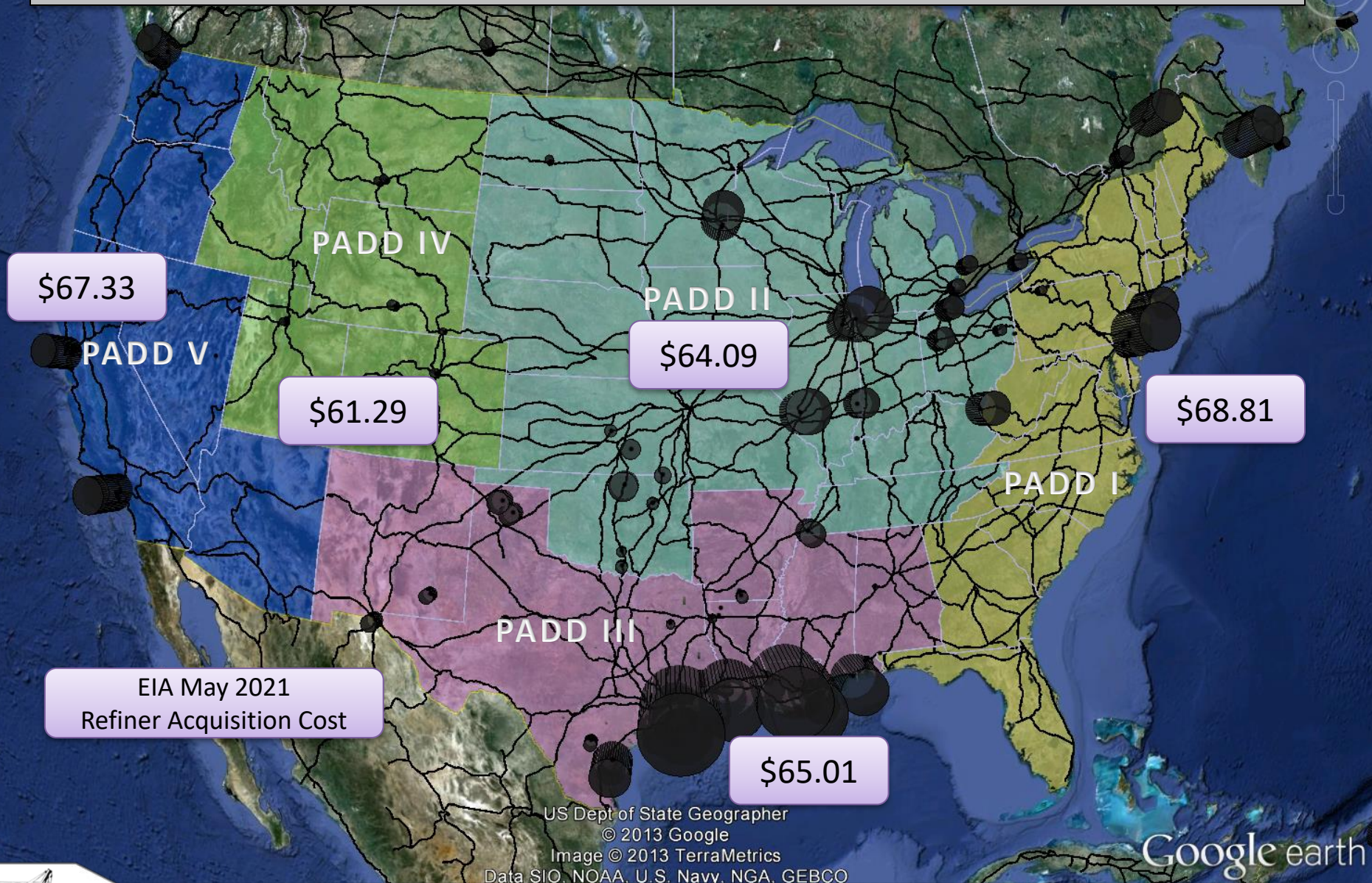


*Data for Rail Destination Market Share Provided by the US Energy Information Administration*



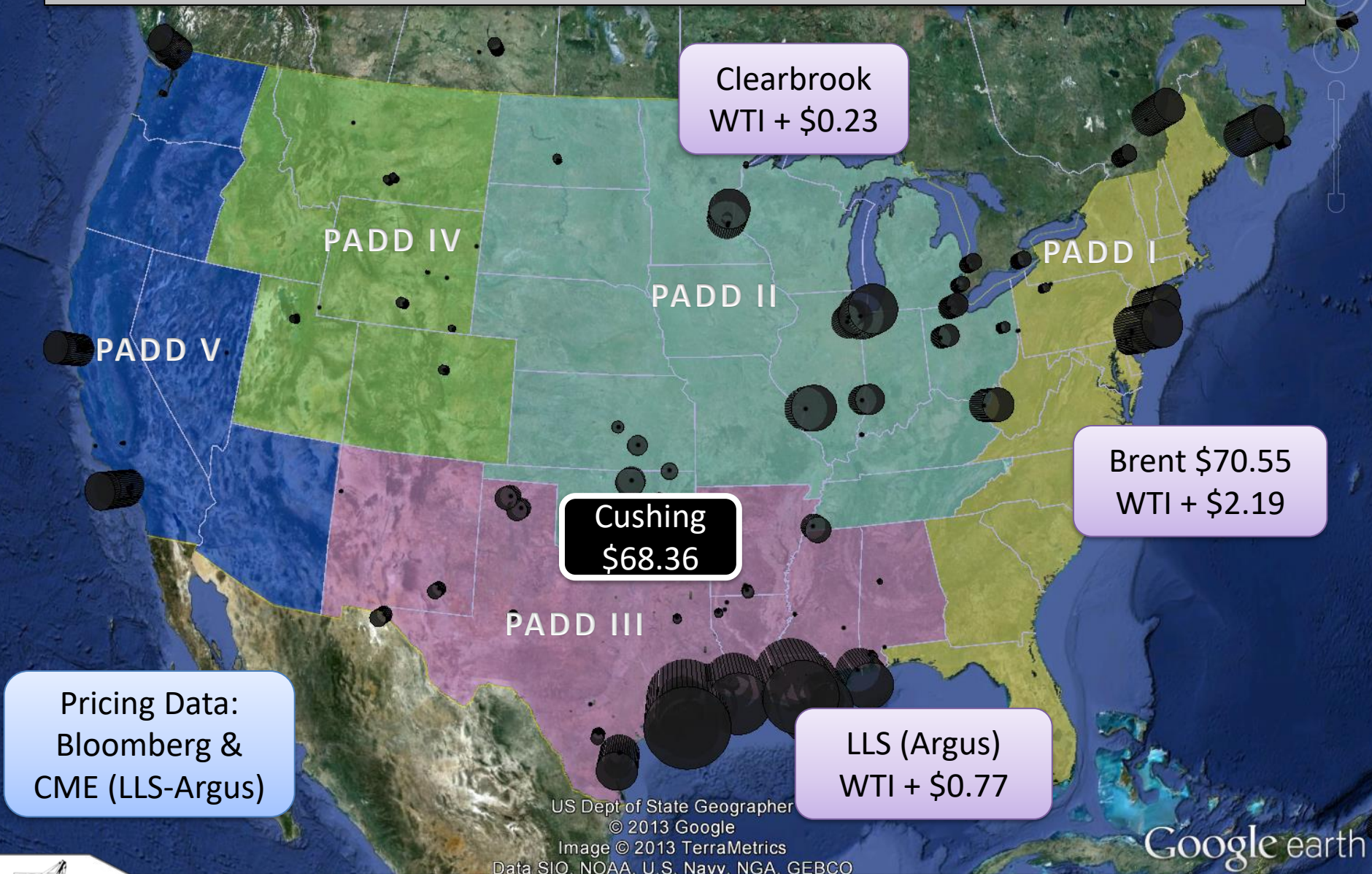


# Major Rail Lines and Refineries

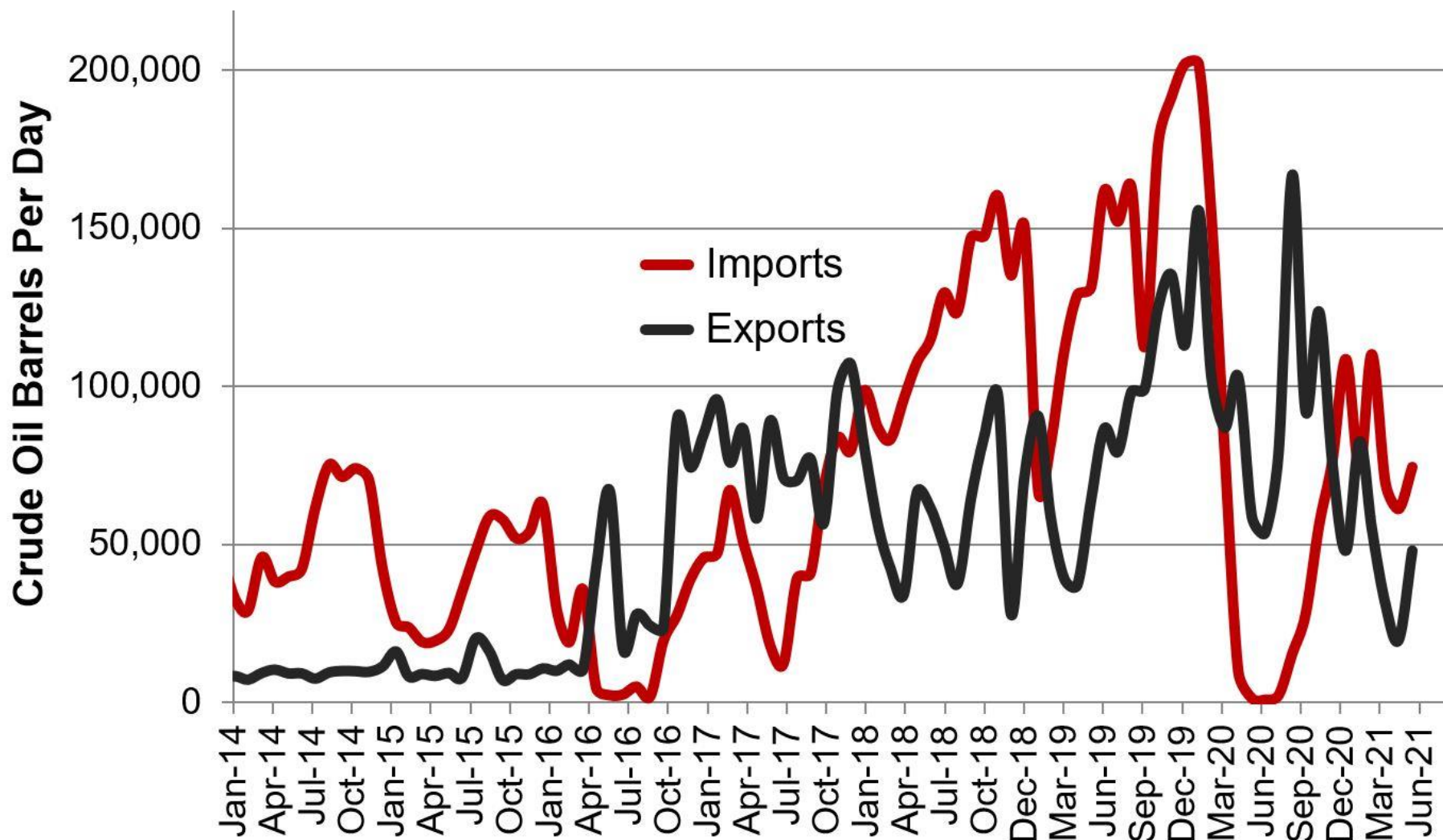




# Crude Oil Prices – August 13, 2021



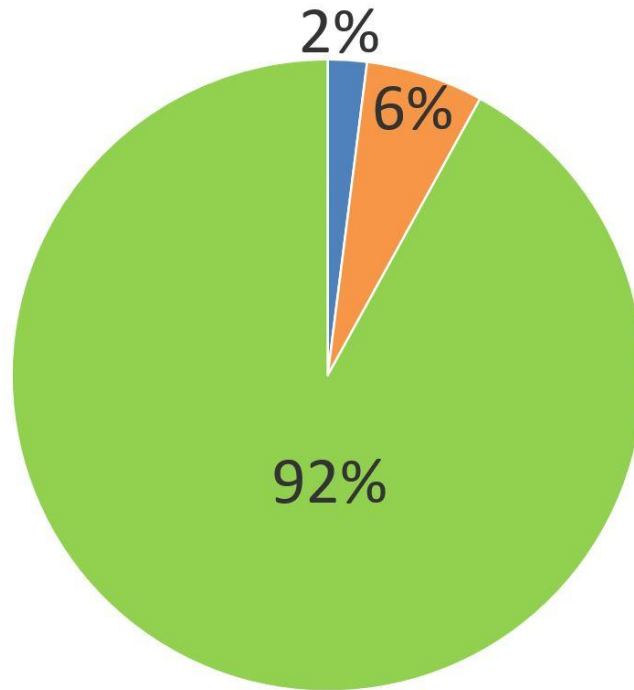
# Williston Basin Truck/Rail Imports and Exports with Canada



*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

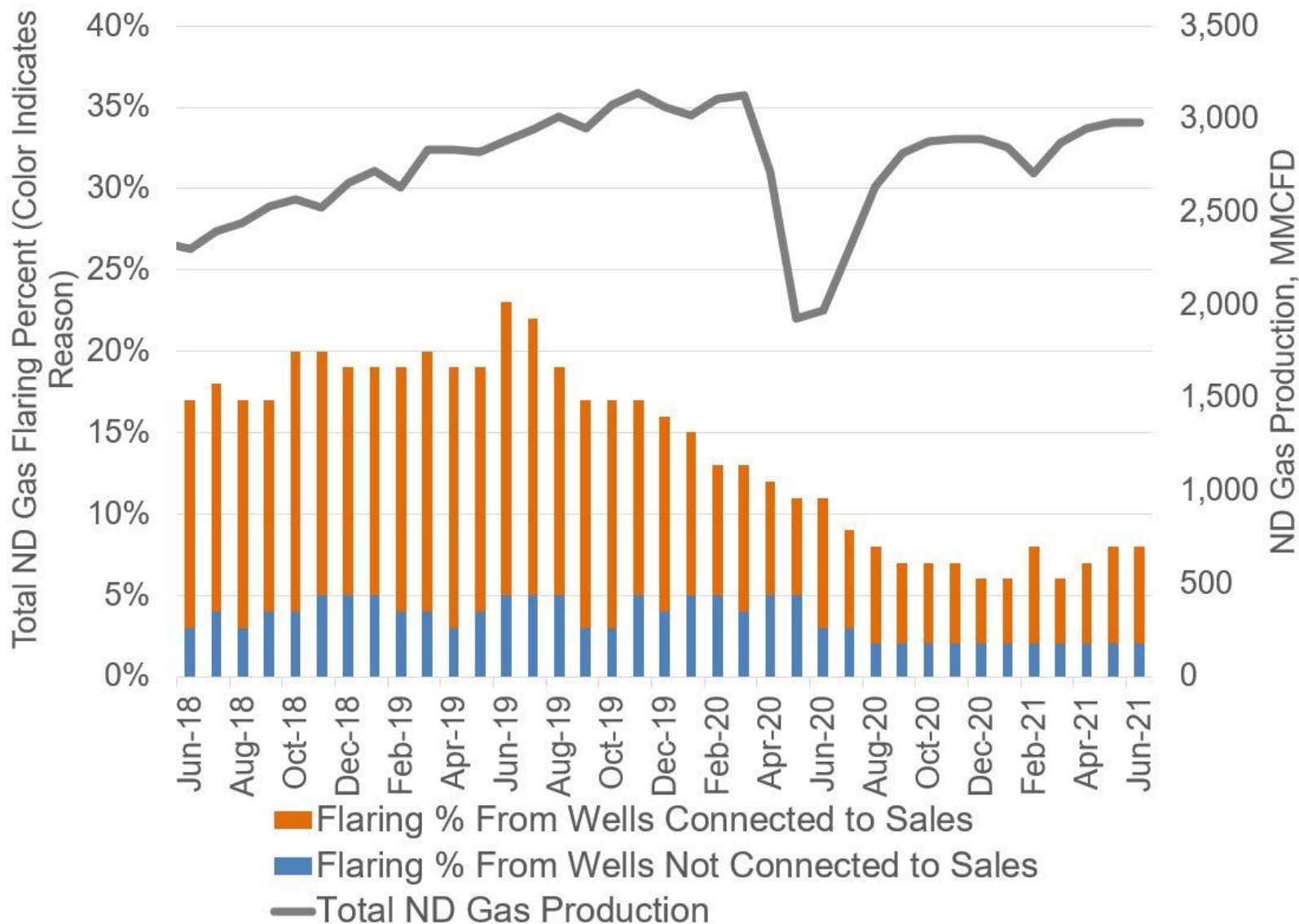
**Orange** – Challenges on existing infrastructure

June 2021 Data – Non-Confidential Wells

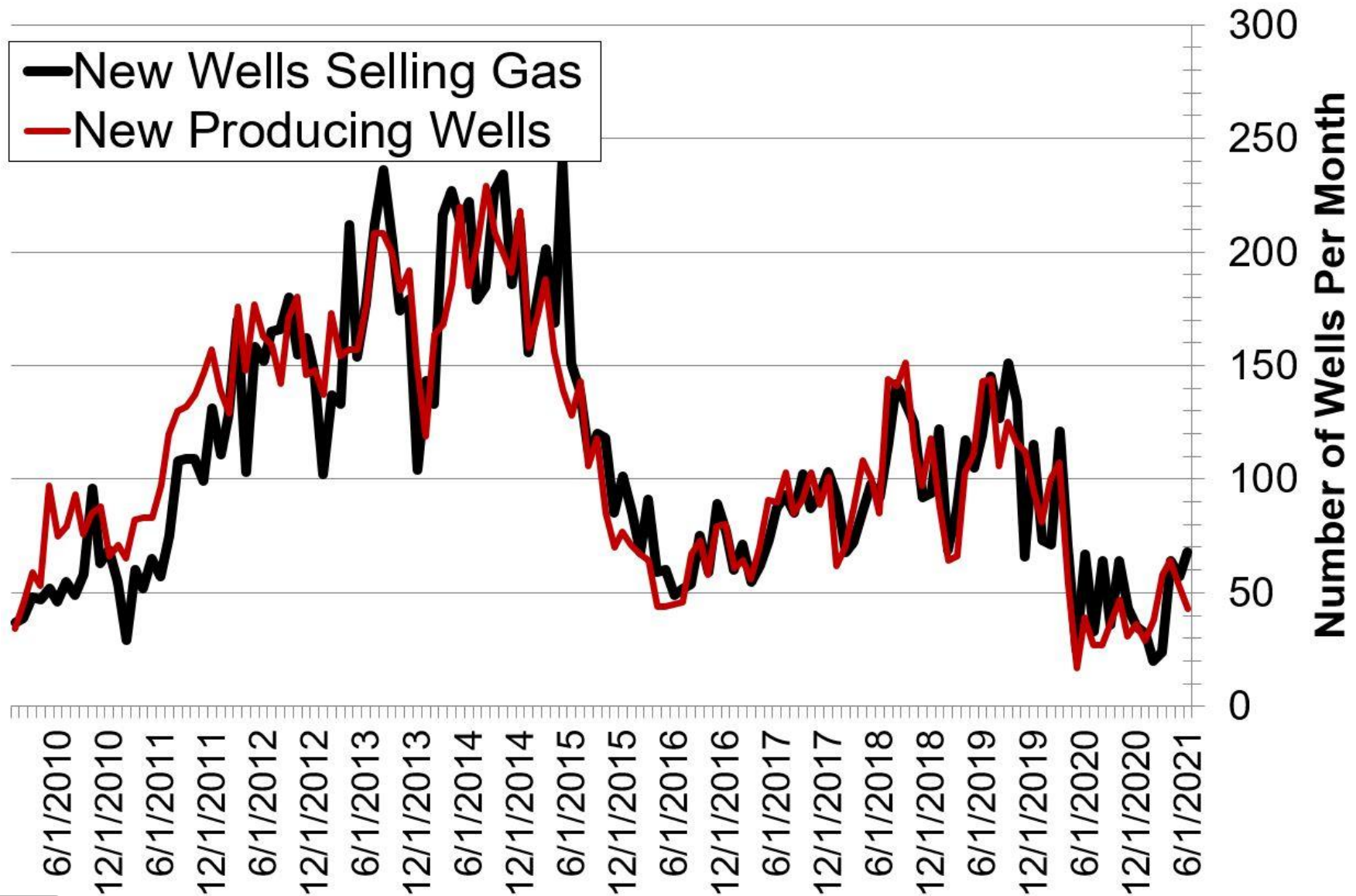




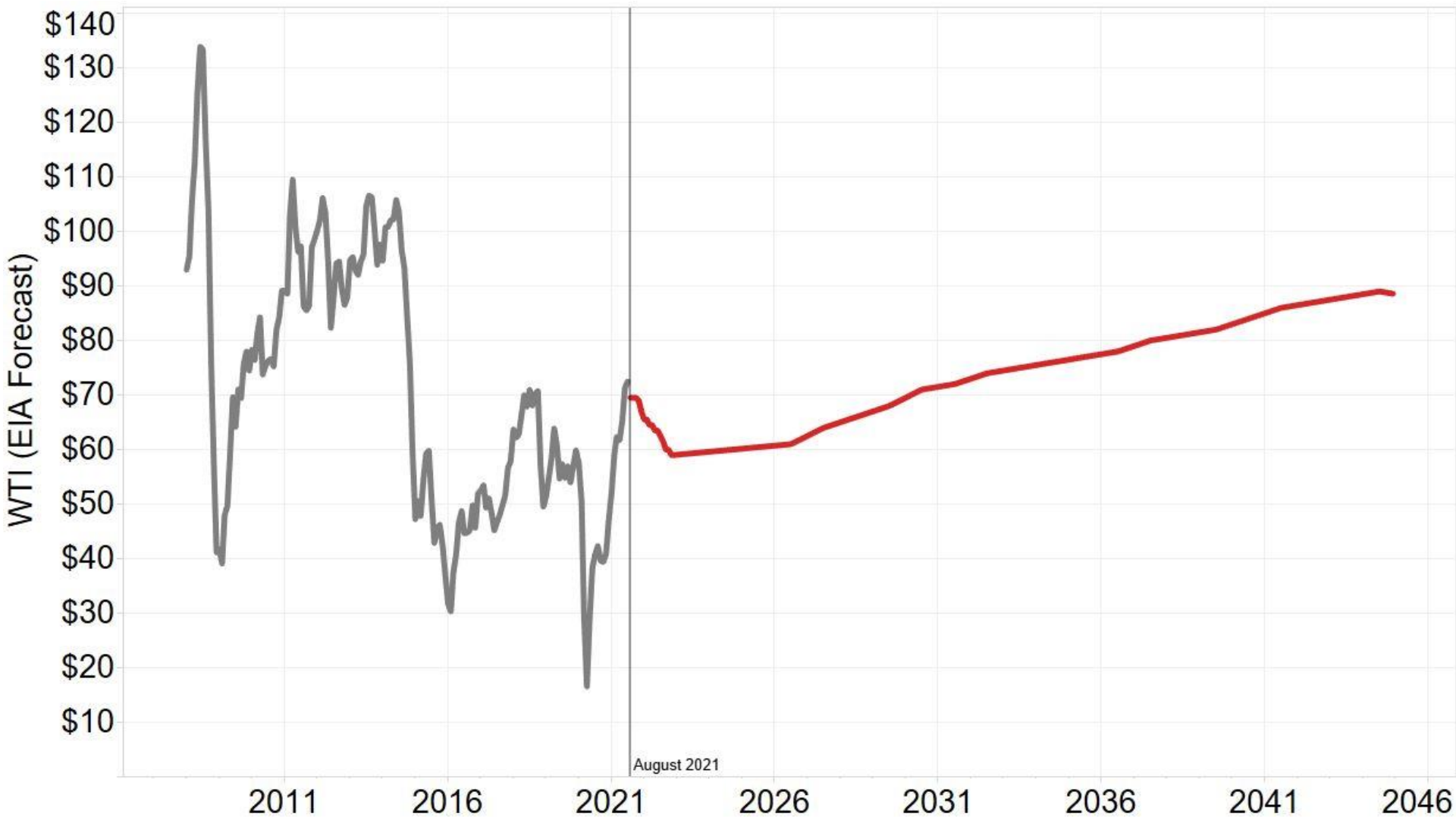
# Solving the Flaring Challenge



# Solving the Flaring Challenge



# EIA Oil Price Forecast\*

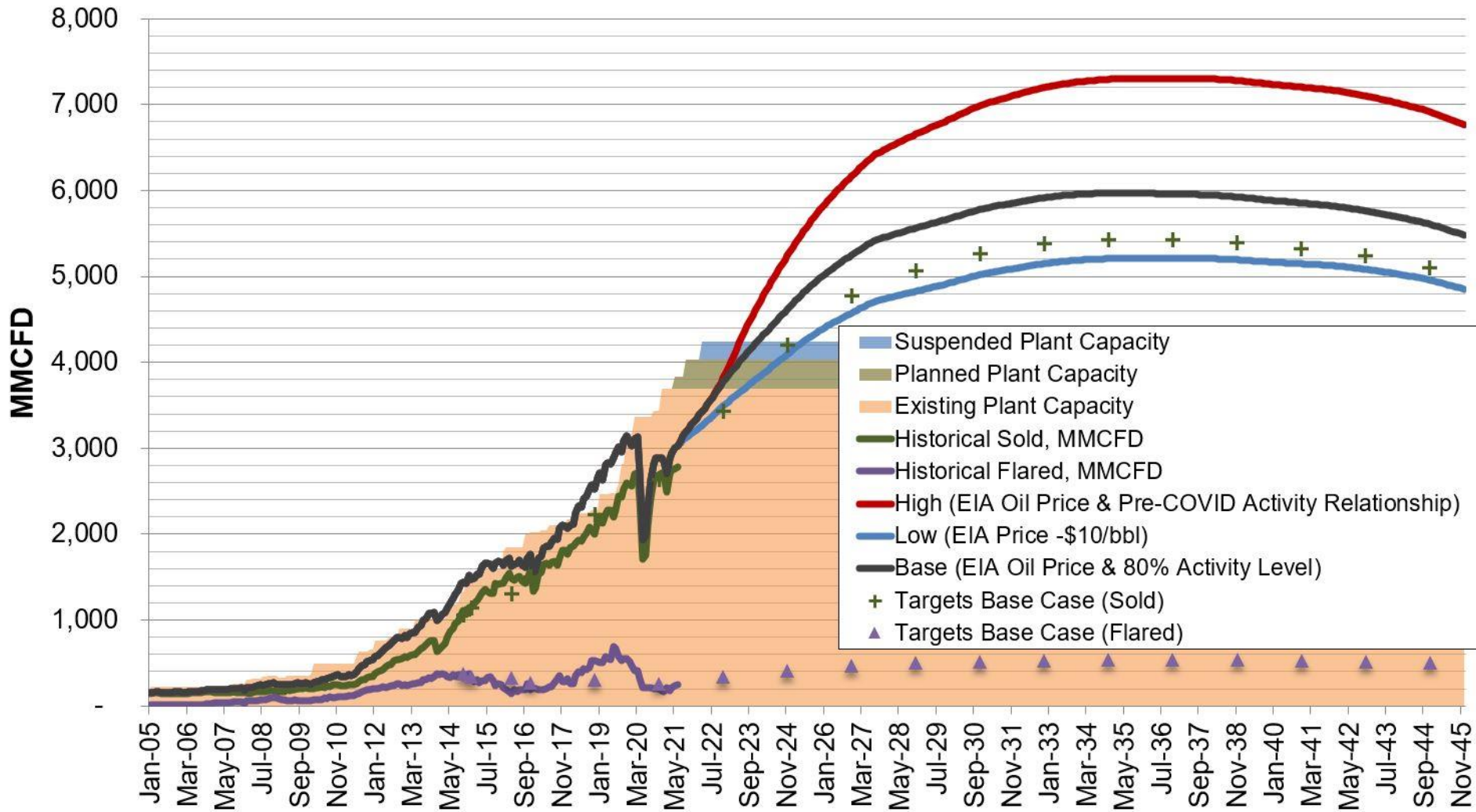


*\*EIA August 2021 SEO and February 2021 AEO Blend*



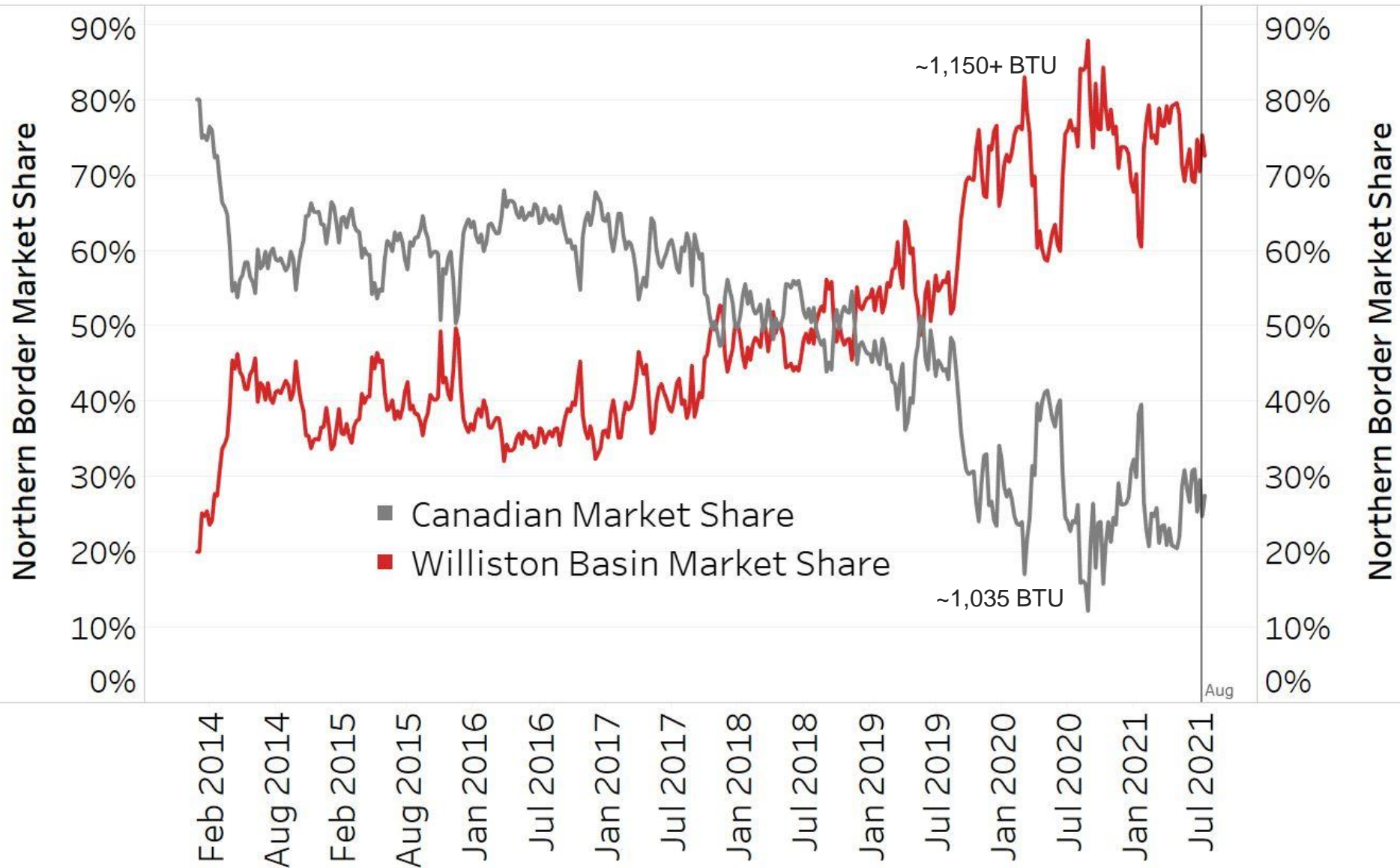


# Solving the Flaring Challenge



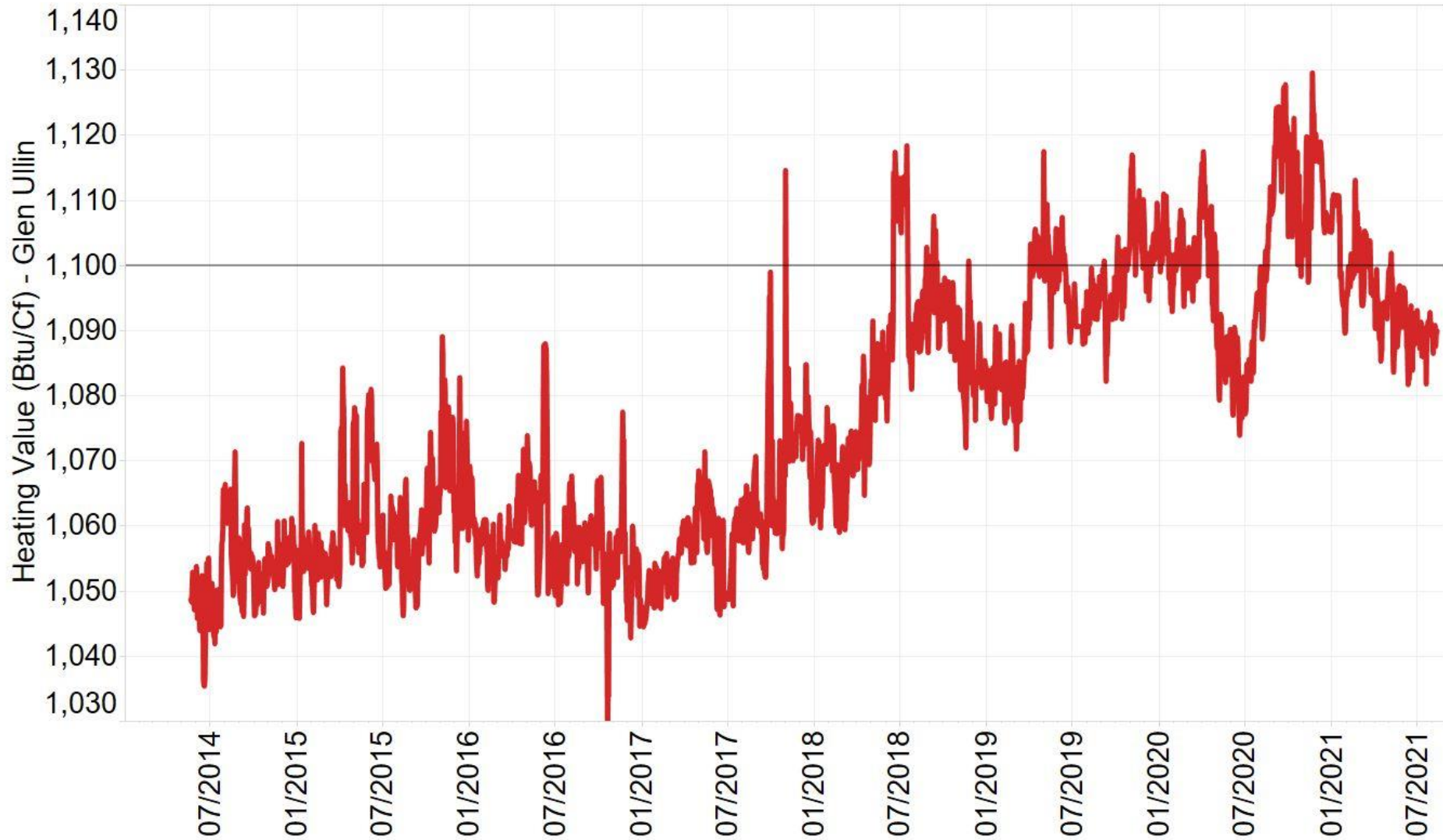
# Major Gas Pipeline and Processing Infrastructure

# Northern Border Pipeline Market Share

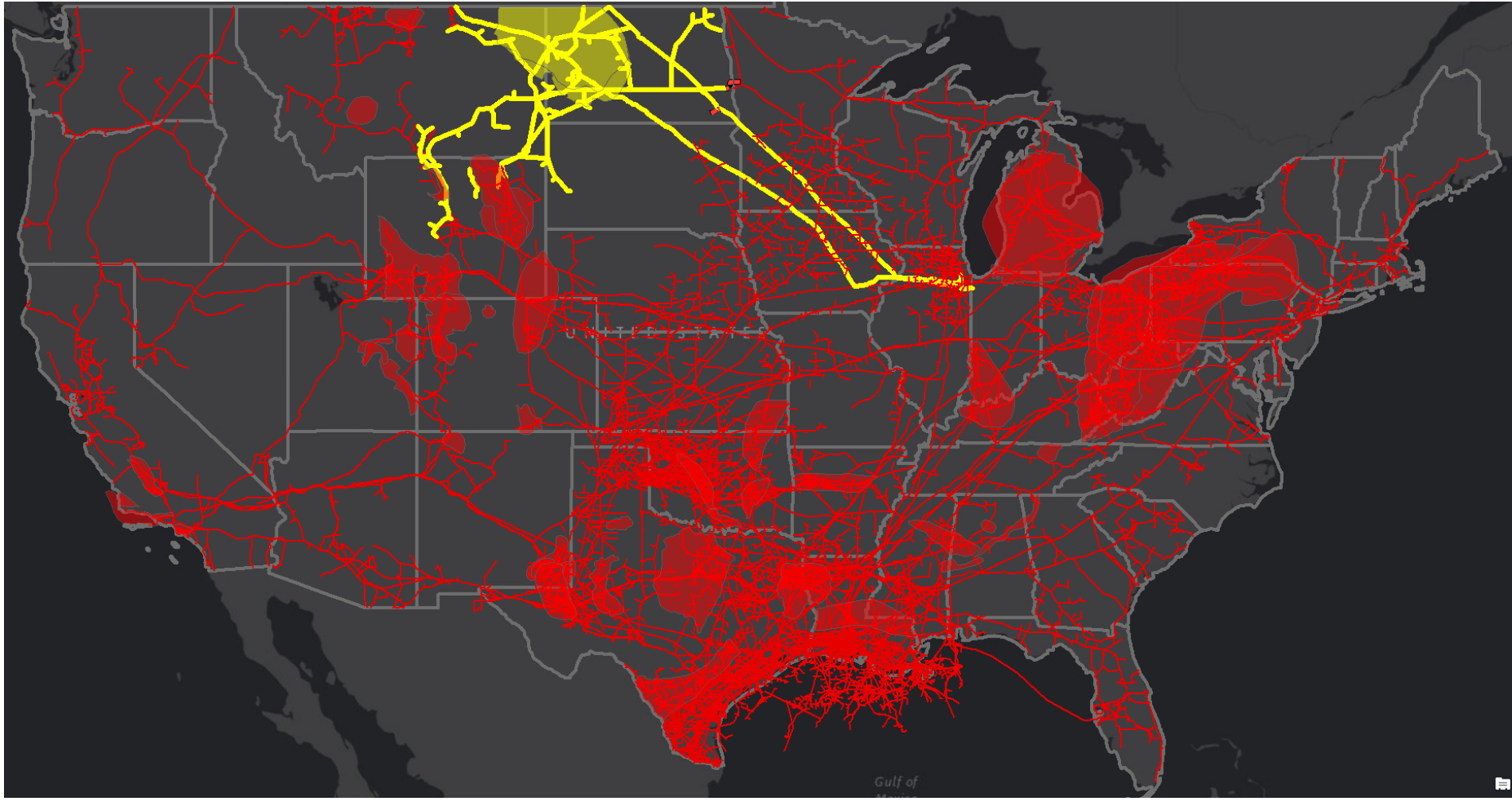




# Northern Border BTU at Glen Ullin, ND



# Bakken Natural Gas Infrastructure



# Contact Information

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



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