



January 2022 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
January 14, 2022

# US Williston Basin Oil Production - 2021

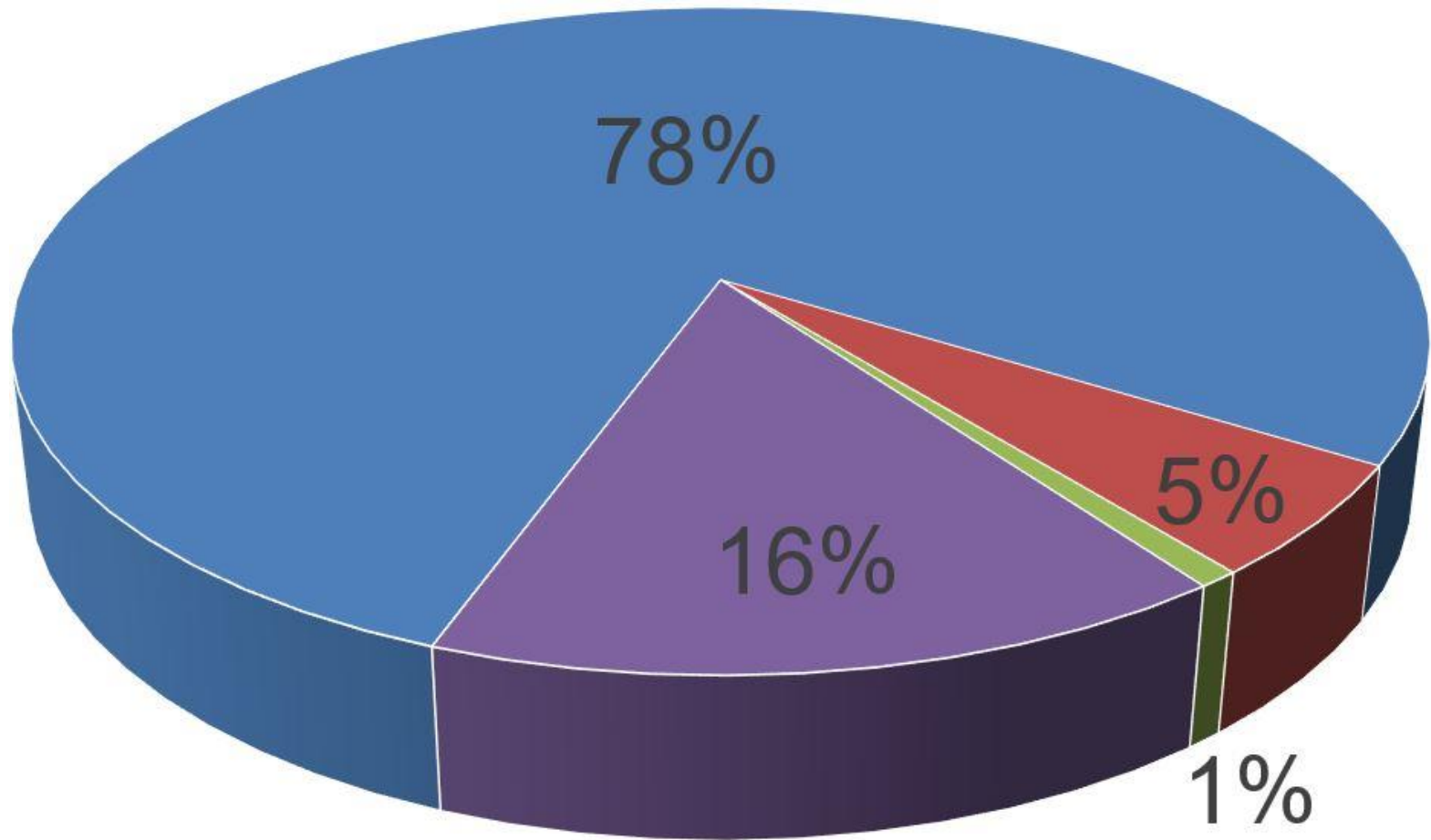
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,147,718	50,417	2,874	1,201,009
February	1,083,819	48,251	2,828	1,134,898
March	1,108,984	49,525	2,744	1,161,254
April	1,121,754	48,439	2,644	1,172,837
May	1,129,777	46,905	2,640	1,179,322
June	1,134,756	43,767	3,103	1,181,626
July	1,078,877	43,413	2,884	1,125,174
August	1,108,131	46,879	2,892	1,157,902
September	1,114,020	49,585	2,847	1,166,452
October	1,110,910	48,179	2,853	1,161,942
November	1,159,718			
December				



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

■ Refined

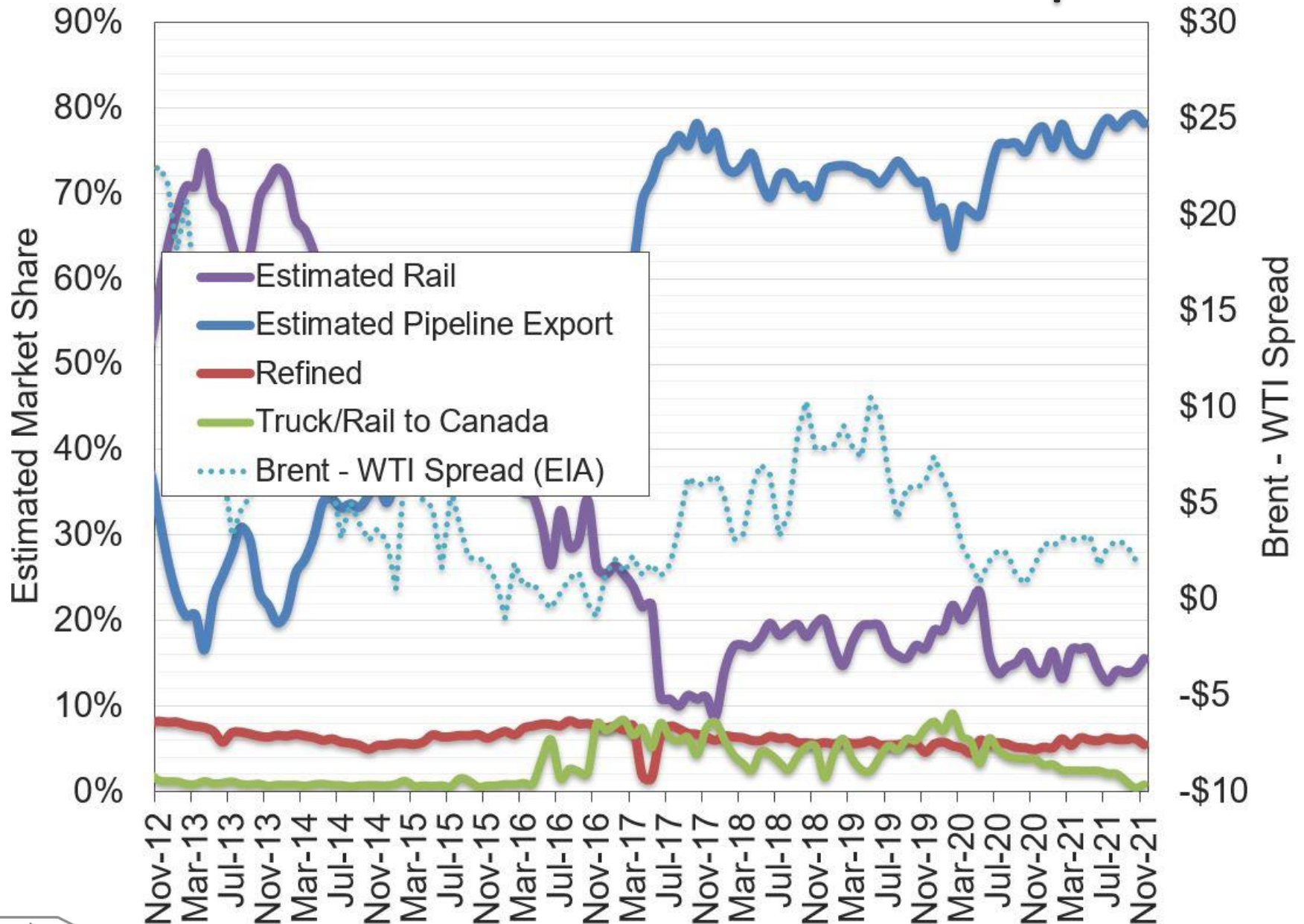
■ Estimated Rail

November 2021





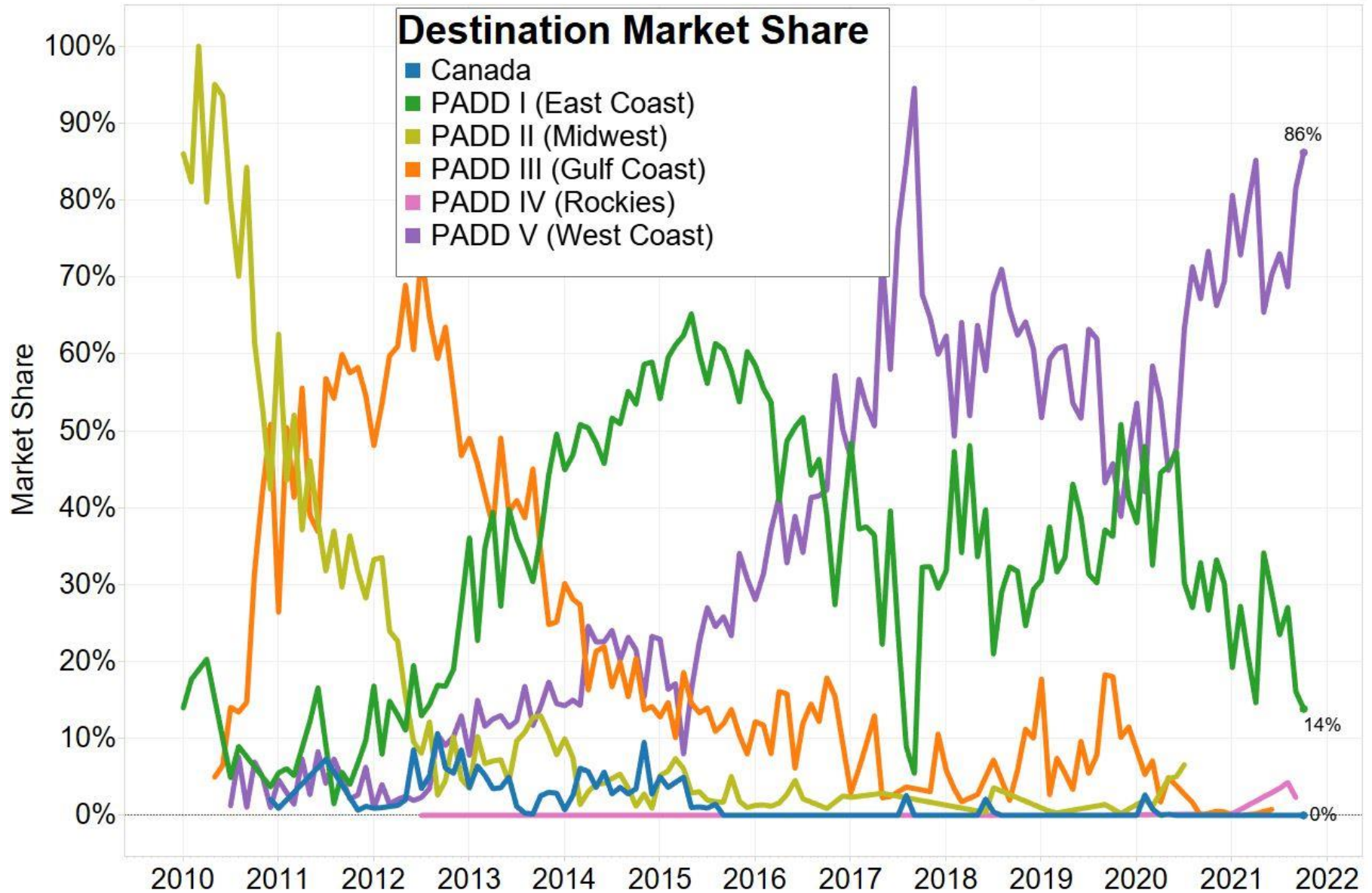
# Estimated Williston Basin Oil Transportation



# Estimated ND Rail Export Volumes



# Rail Destinations Market Share (Oct. 2021)

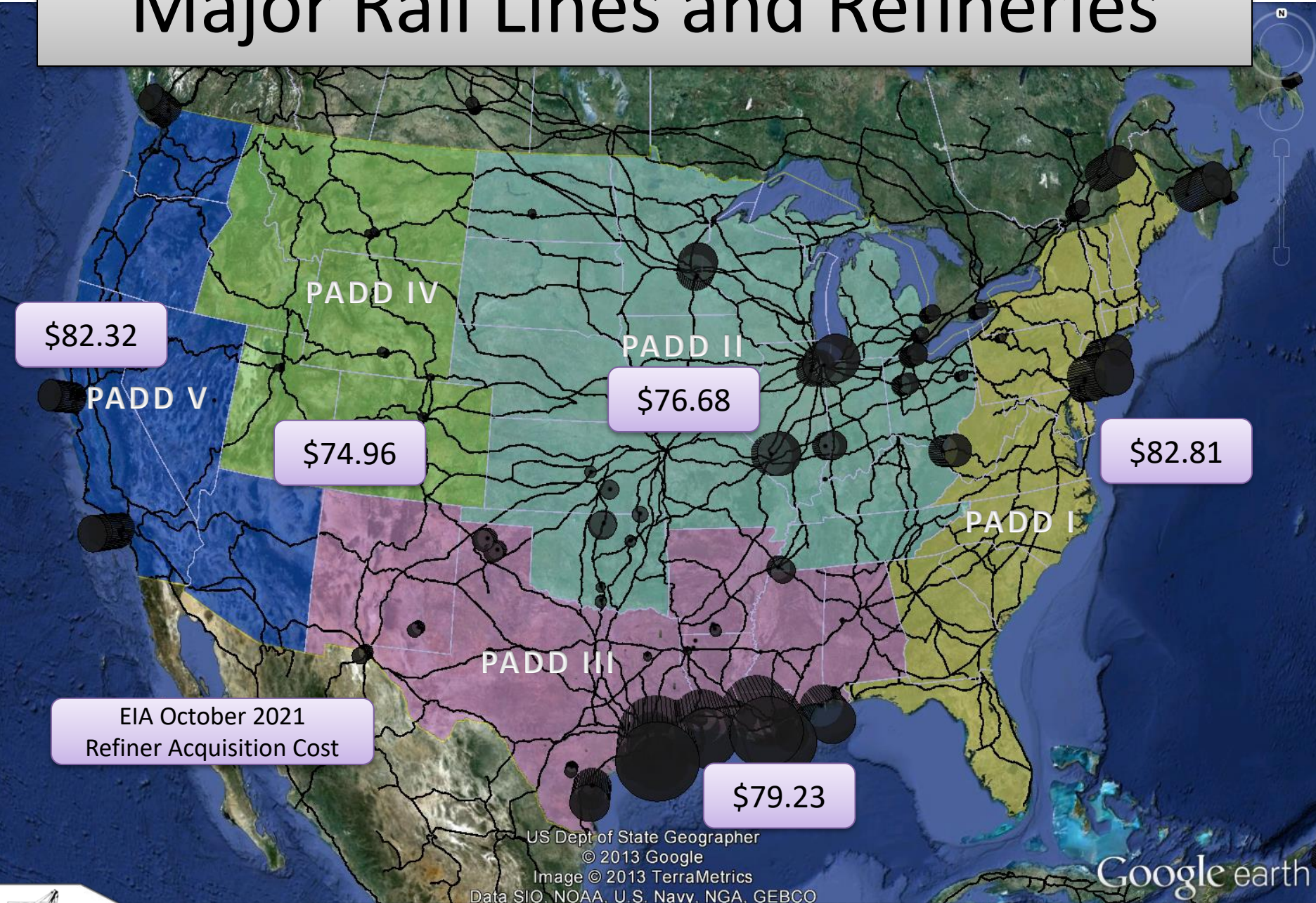


Data for Rail Destination Market Share Provided by the US Energy Information Administration



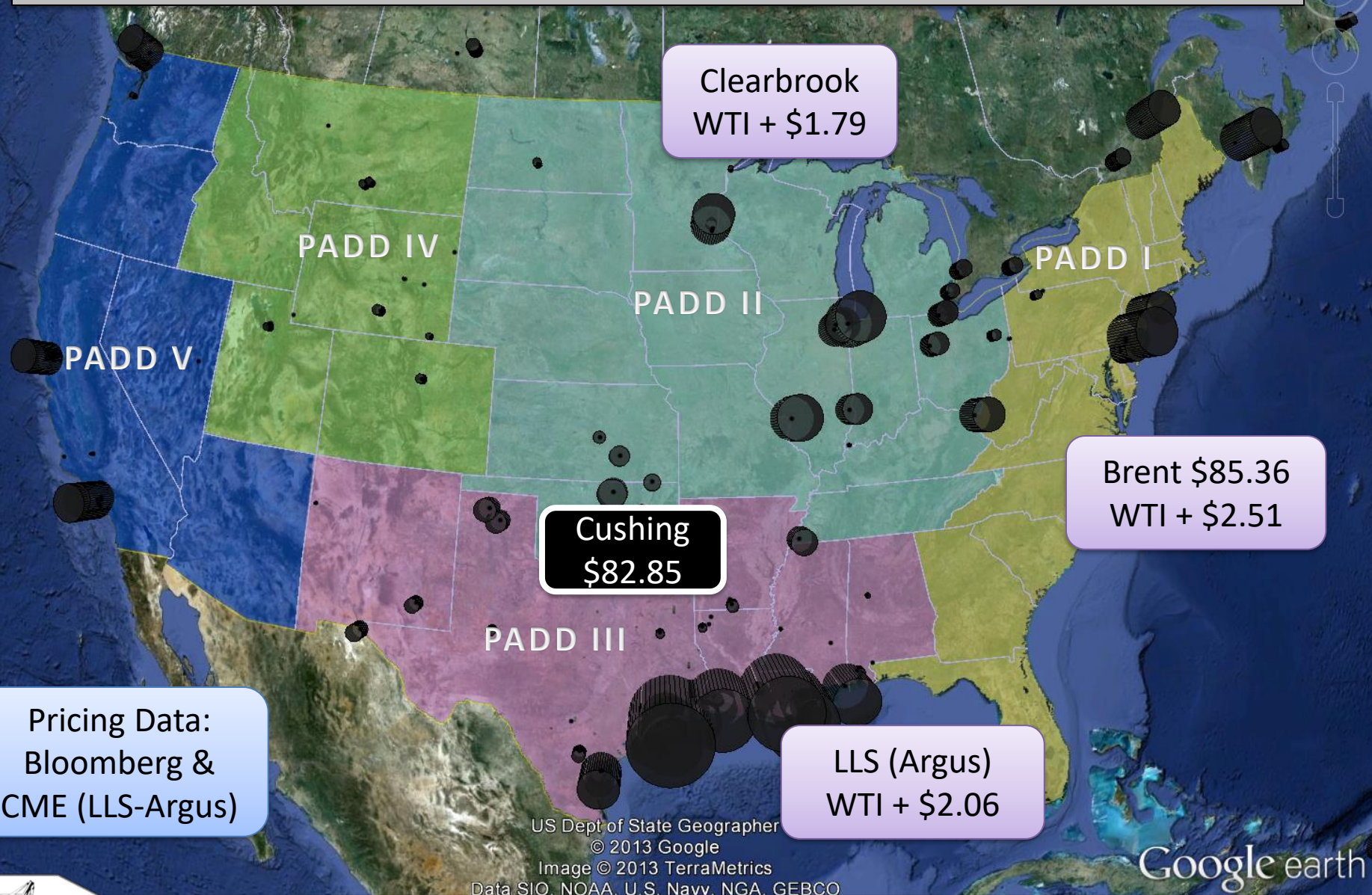


# Major Rail Lines and Refineries

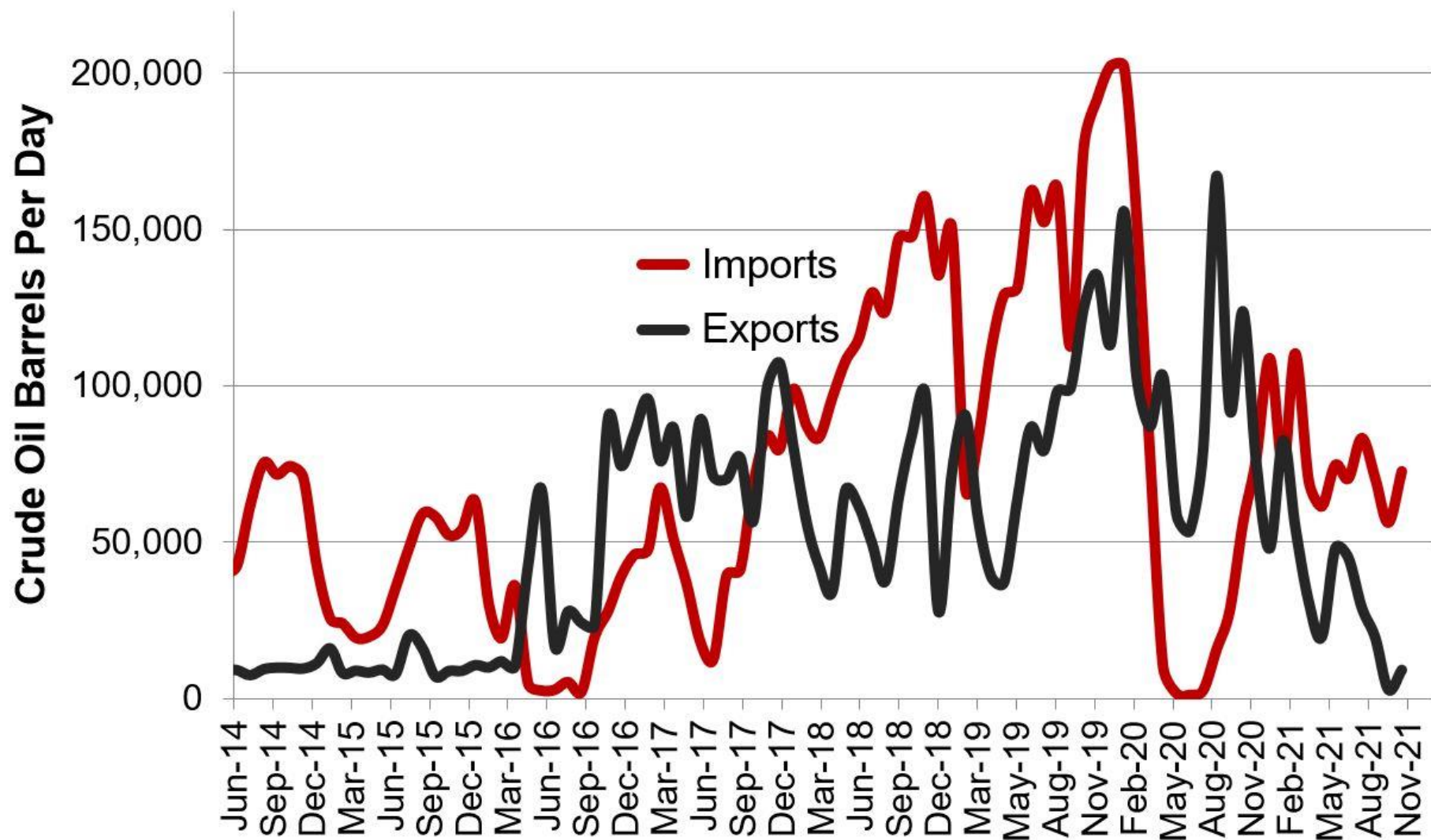




# Crude Oil Prices – Jan. 14, 2022



# Williston Basin Truck/Rail Imports and Exports with Canada

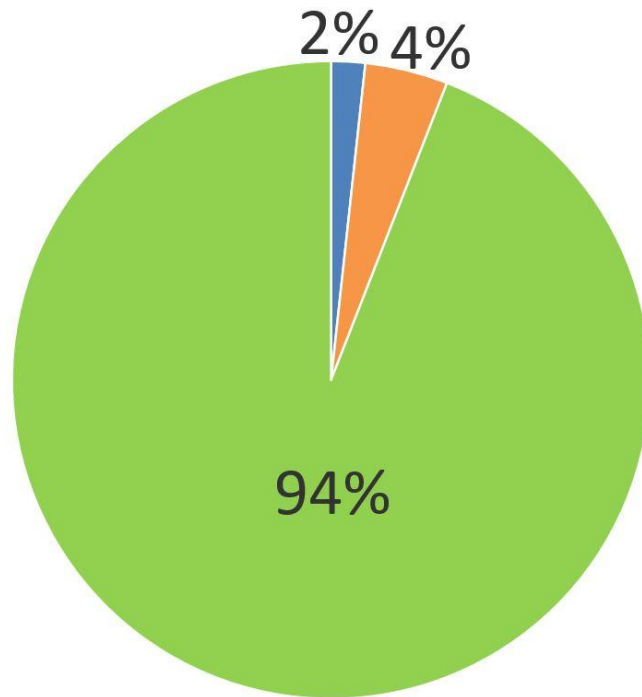


*Data for imports/exports chart is provided by the US International Trade Commission and represents traffic across US/Canada border in the Williston Basin area.*





# 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

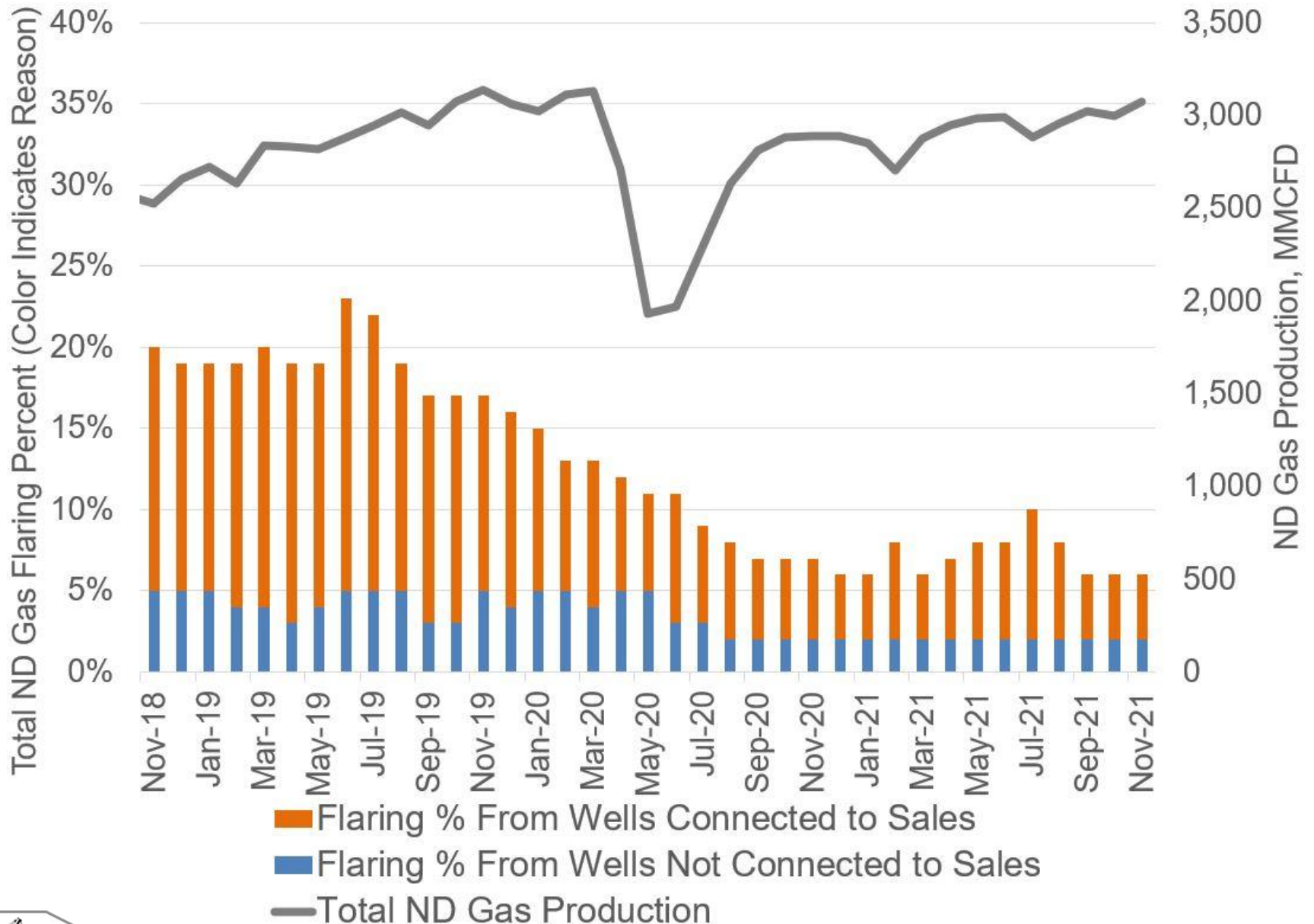
**Blue** – Lack of pipelines  
**Orange** – Challenges on existing infrastructure

Nov. 2021 Data – Non-Confidential Wells

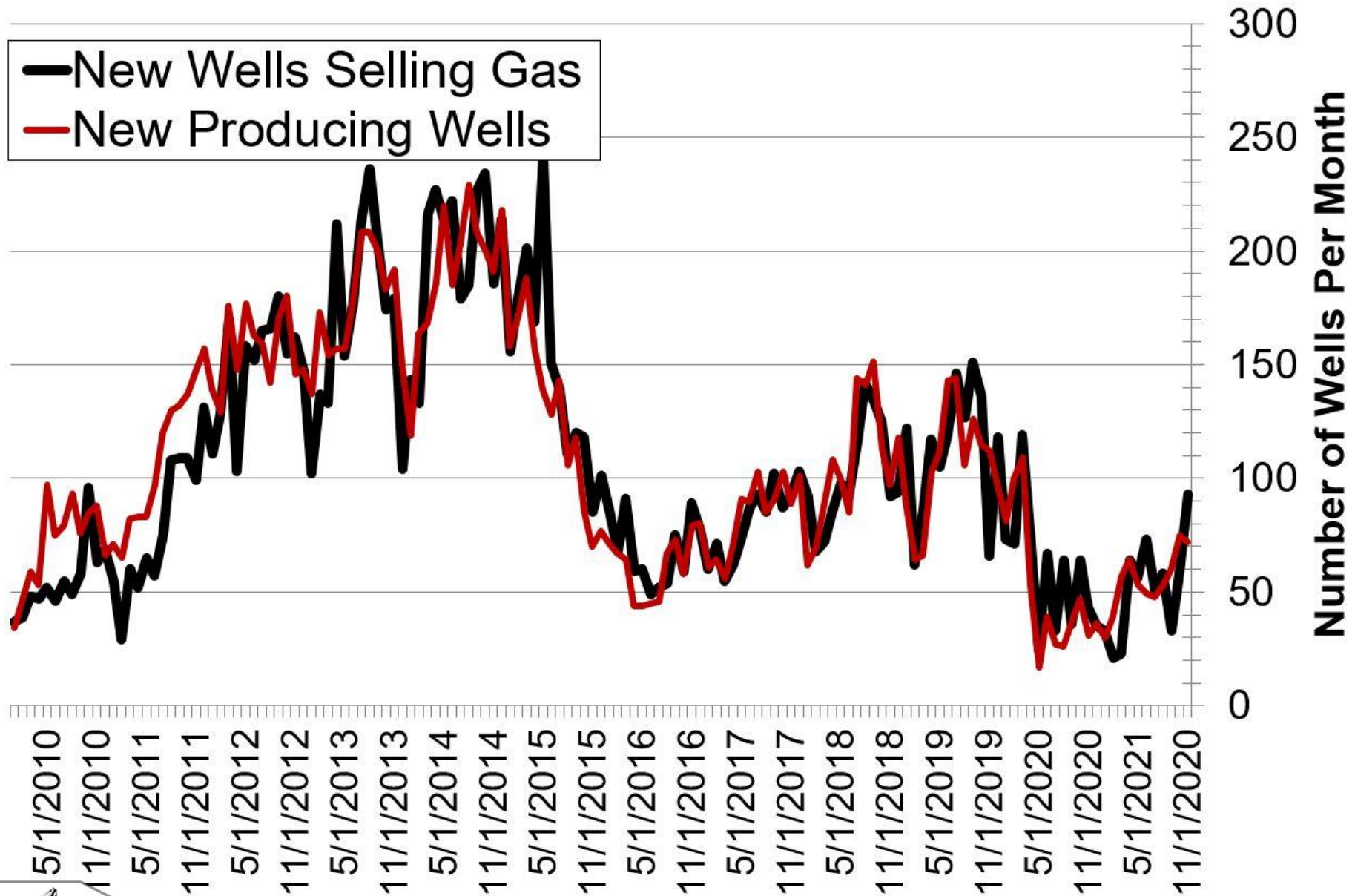




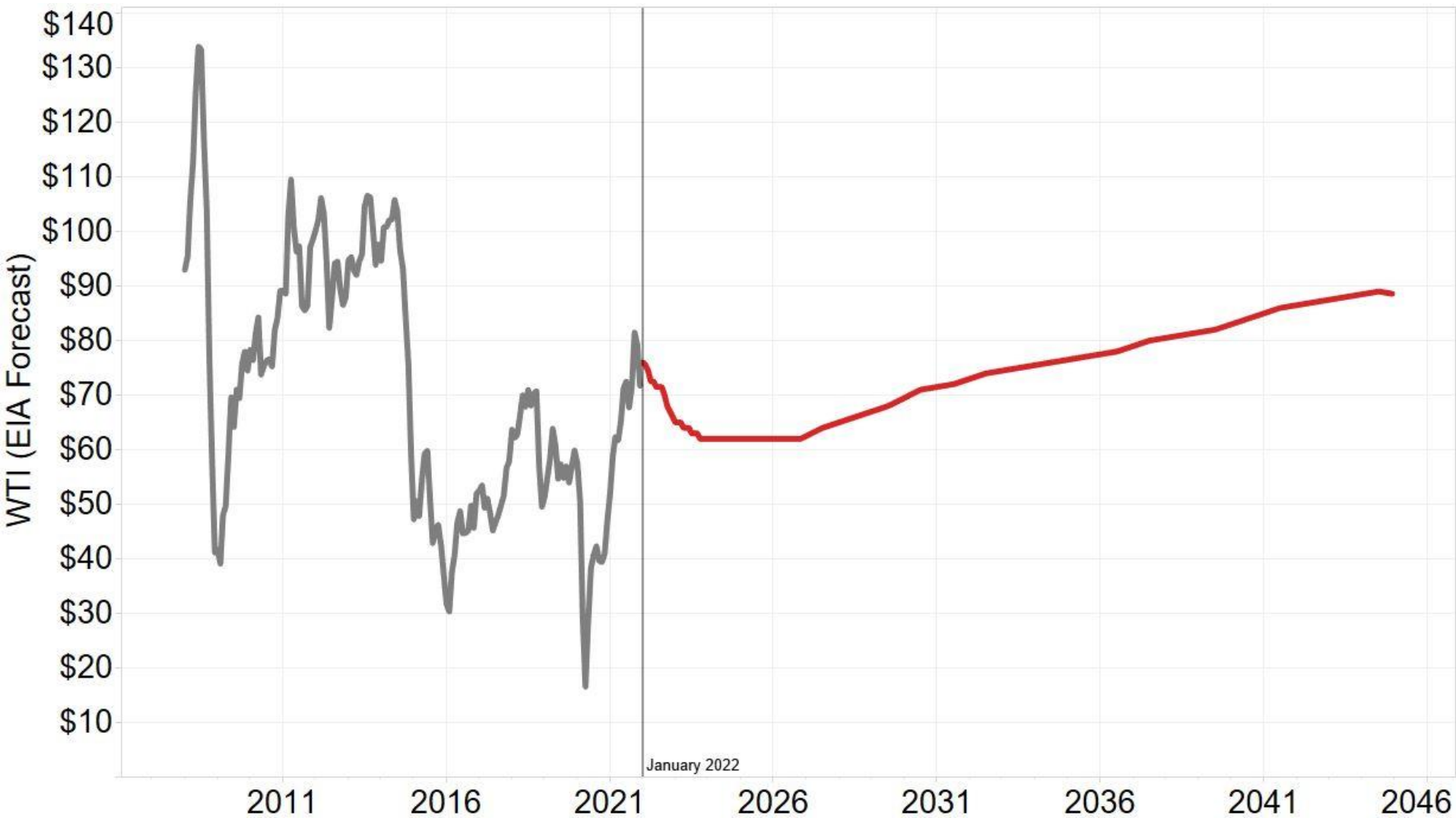
# Solving the Flaring Challenge



# Solving the Flaring Challenge



# EIA Oil Price Forecast\*

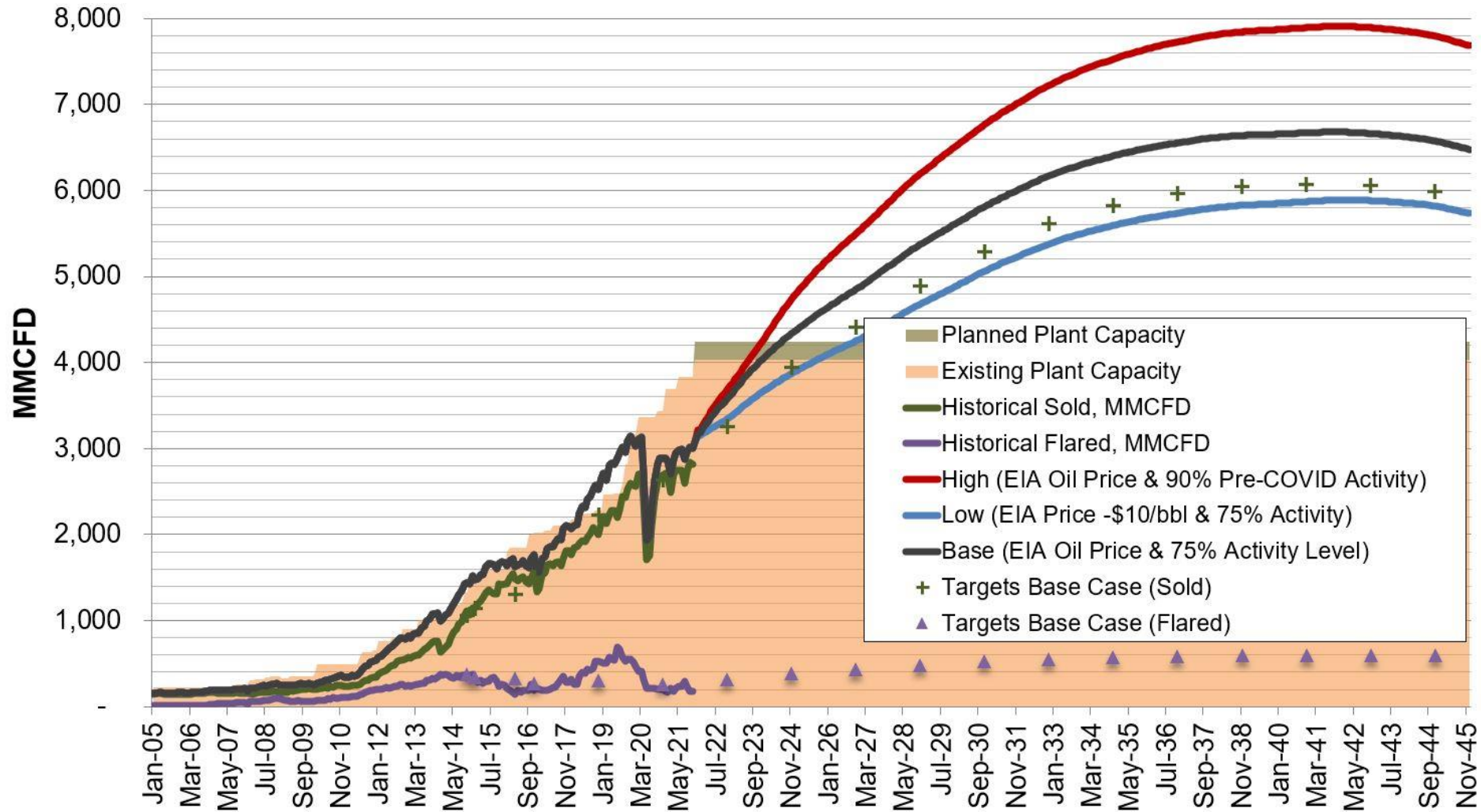


*\*EIA January 2022 SEO and February 2021 AEO Blend*

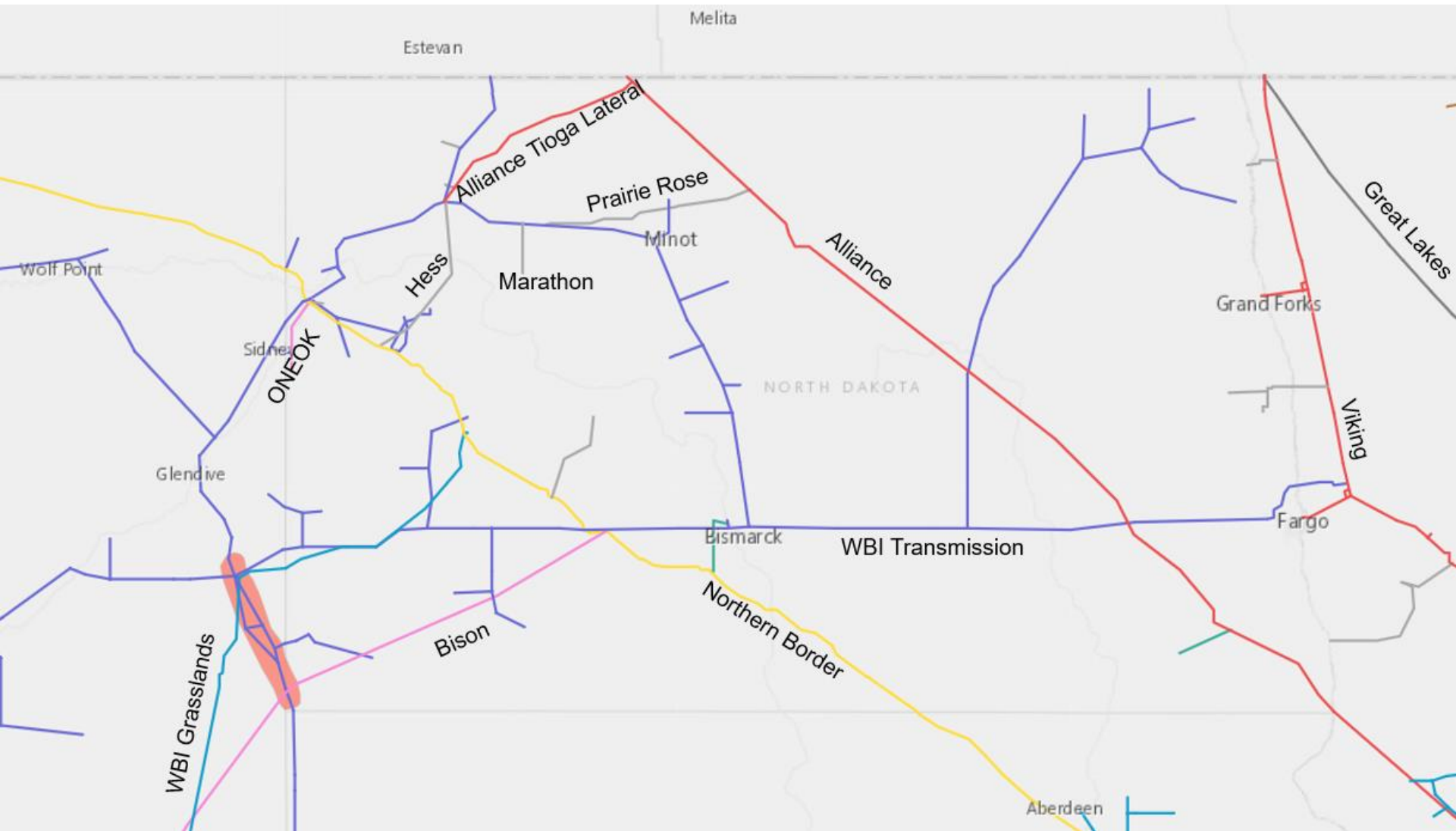




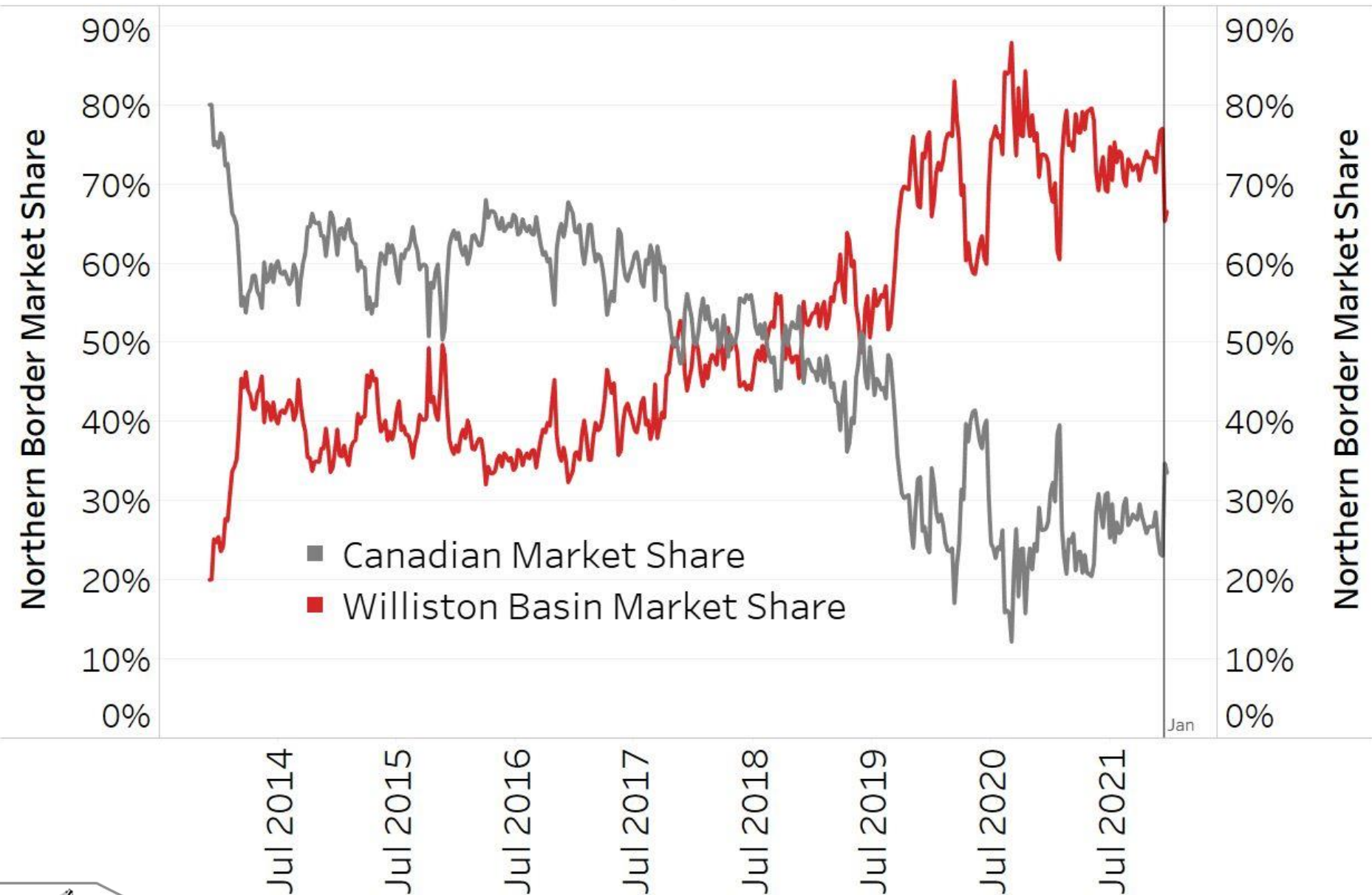
# Solving the Flaring Challenge



# Bakken Natural Gas Infrastructure

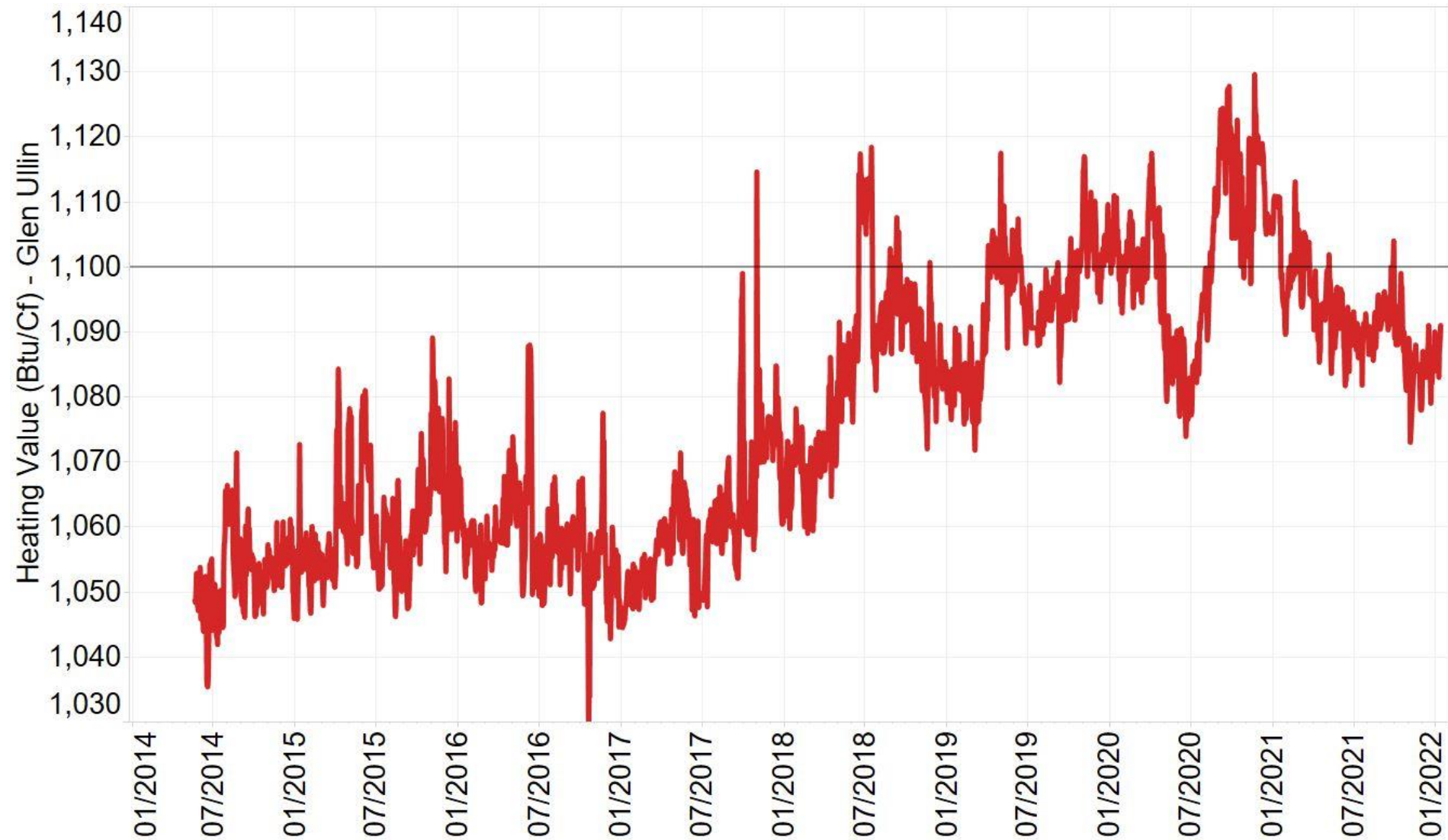


# Northern Border Pipeline Market Share

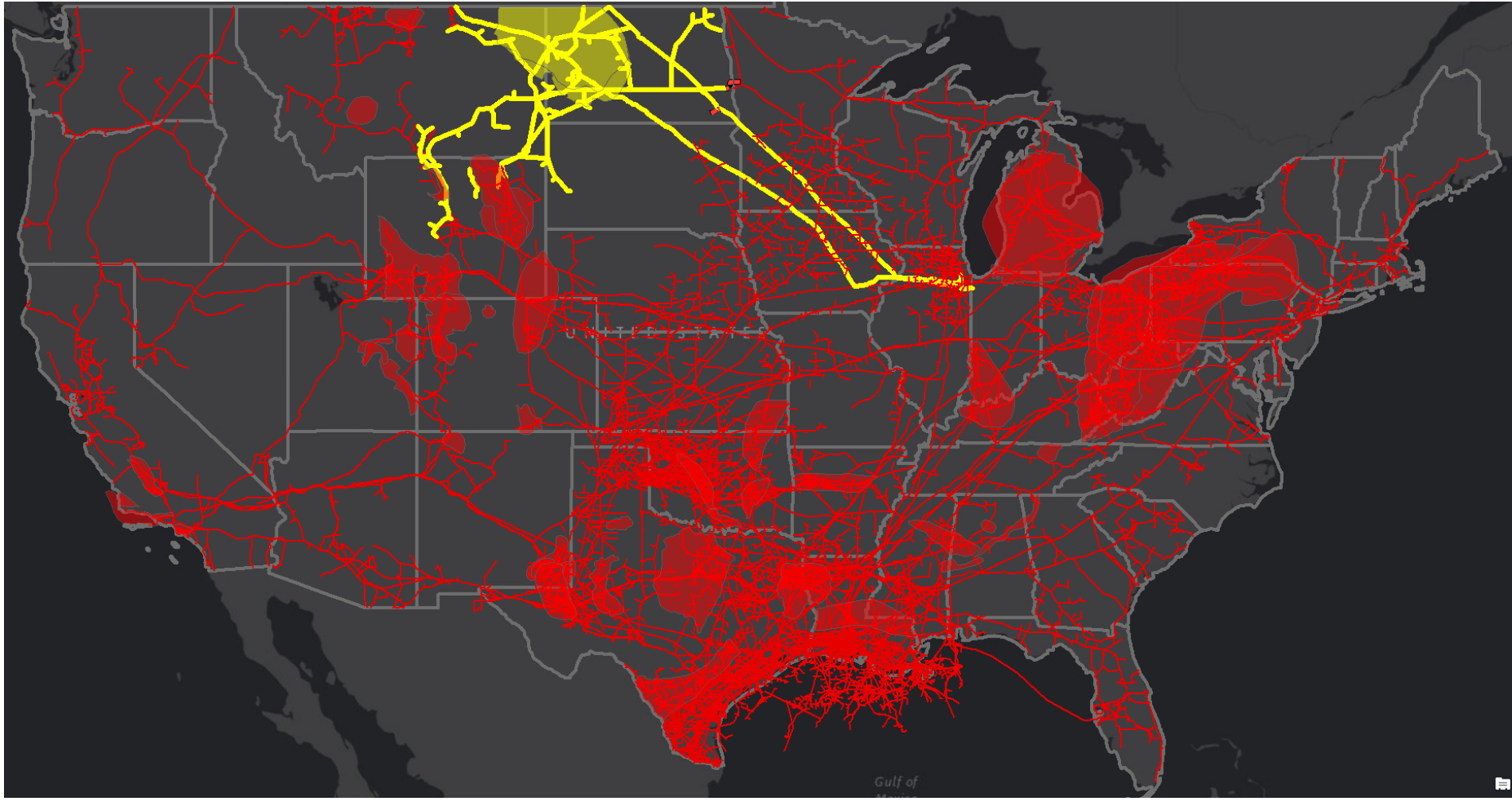




# Northern Border BTU at Glen Ullin, ND



# Bakken Natural Gas Infrastructure



# Contact Information

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