



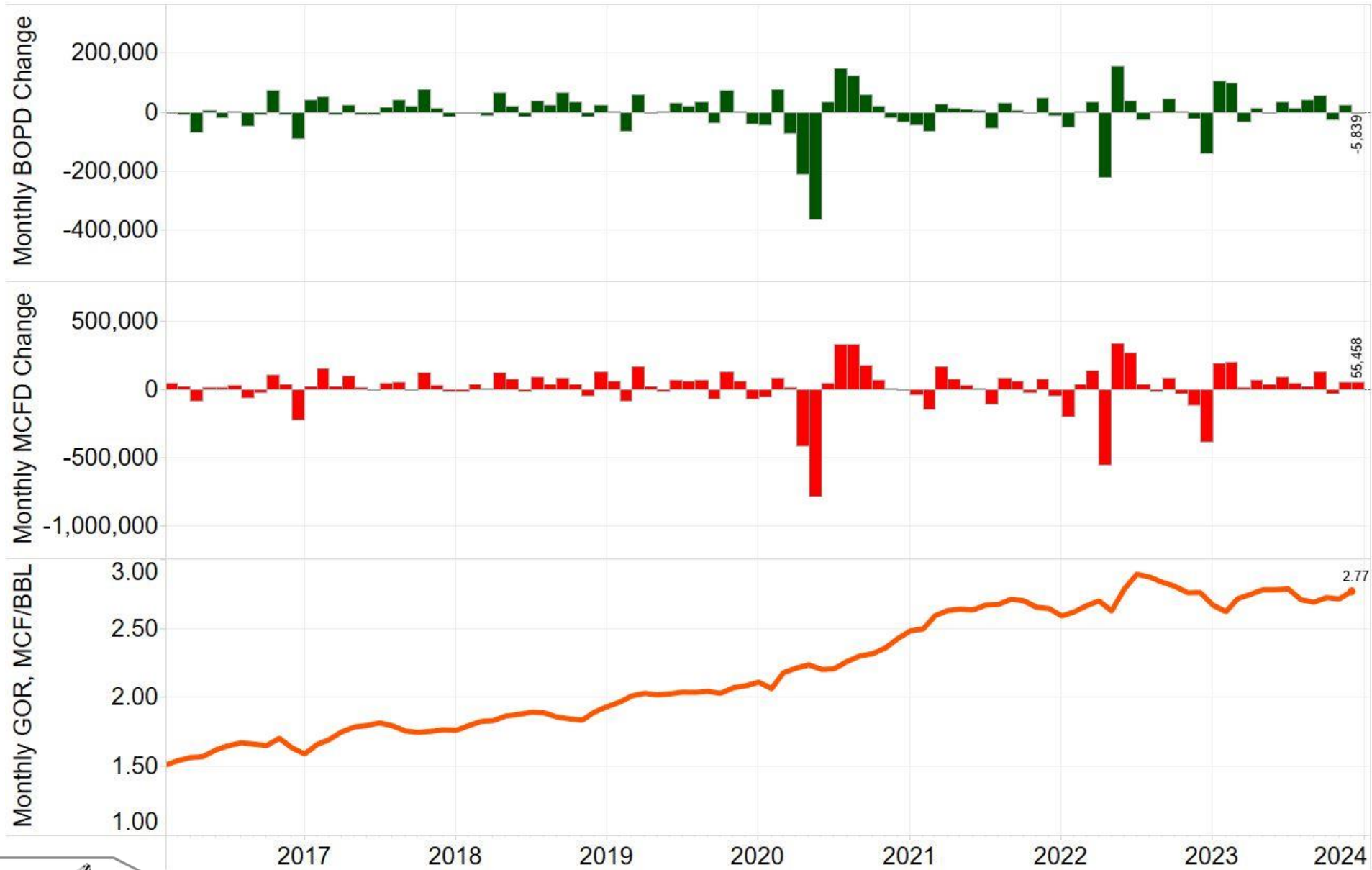
February 2024 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
February 15, 2024

# US Williston Basin Oil Production - 2023

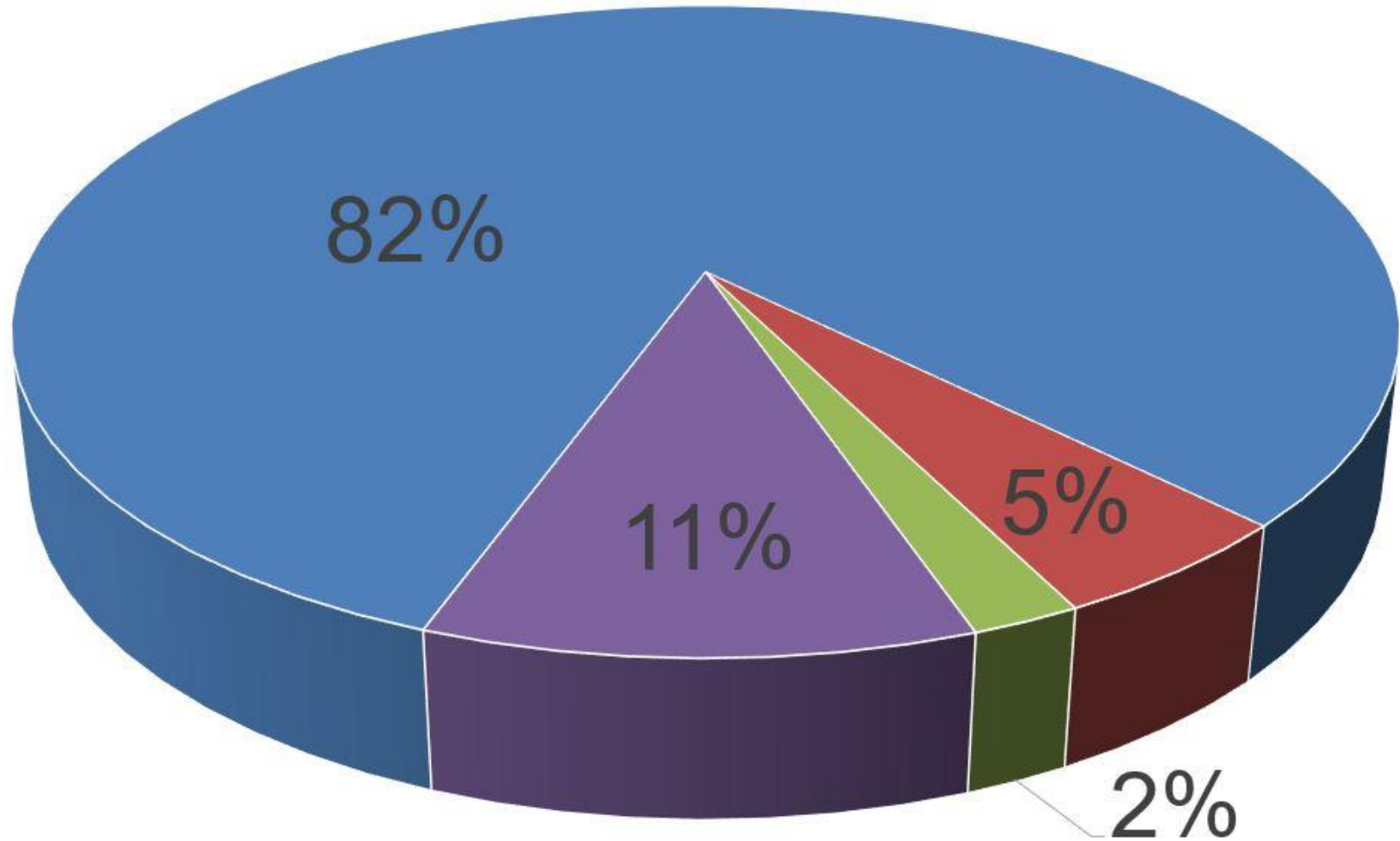
MONTH	ND	Eastern MT*	SD	TOTAL
January	1,062,880	62,114	2,610	1,127,604
February	1,159,030	63,553	2,475	1,225,058
March	1,124,899	64,593	2,652	1,192,144
April	1,135,850	61,932	2,557	1,200,339
May	1,140,209	61,279	2,560	1,204,048
June	1,174,388	59,707	2,275	1,236,370
July	1,186,759	56,865	2,311	1,245,935
August	1,220,772	62,197	2,540	1,285,510
September	1,290,103	62,753	2,504	1,355,361
October	1,255,227	62,277	2,452	1,319,956
November	1,278,909	62,291	2,448	1,343,649
December	1,273,071			



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



■ Pipeline Export

■ Truck/Rail to Canada

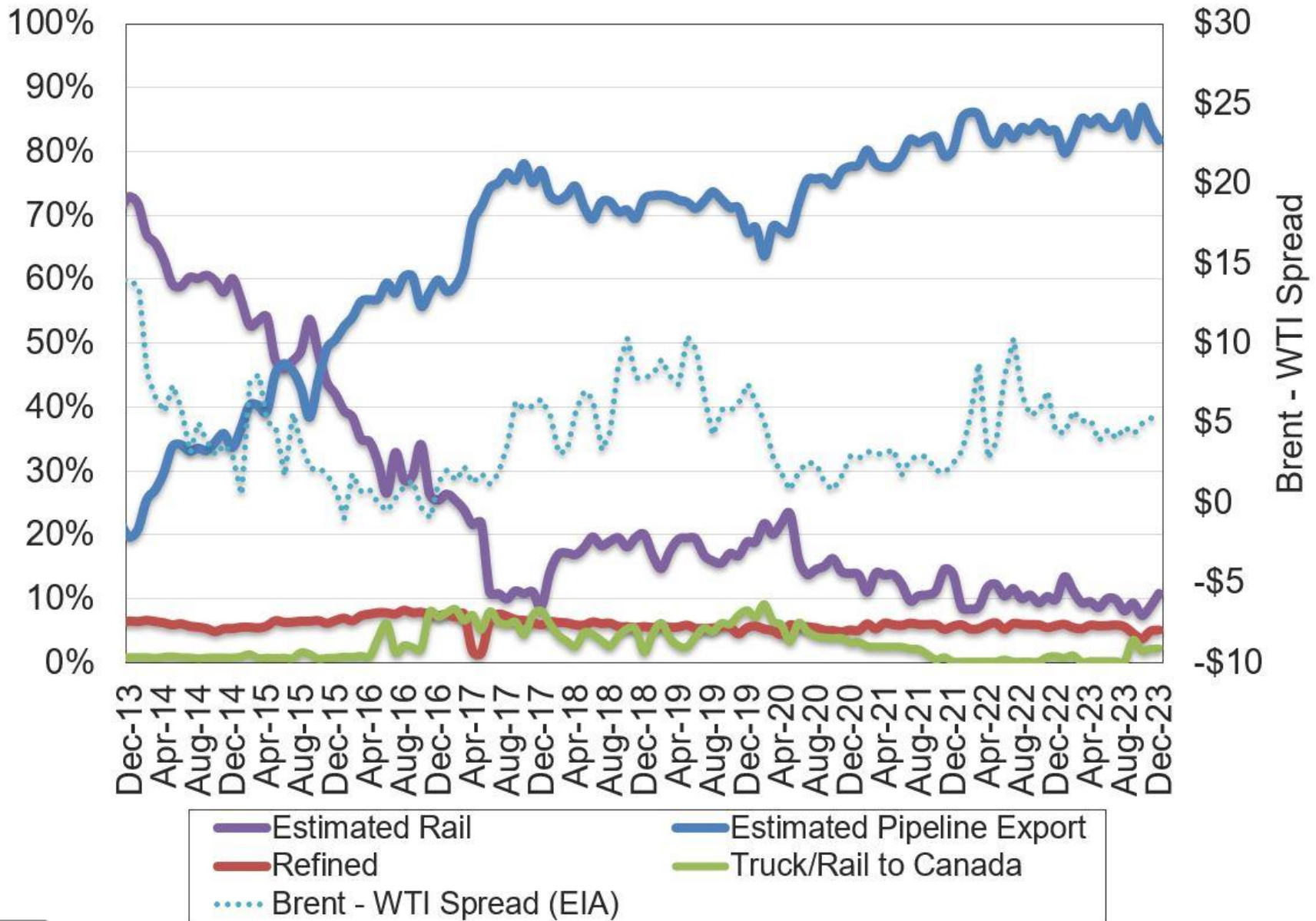
■ Refined

■ Estimated Rail

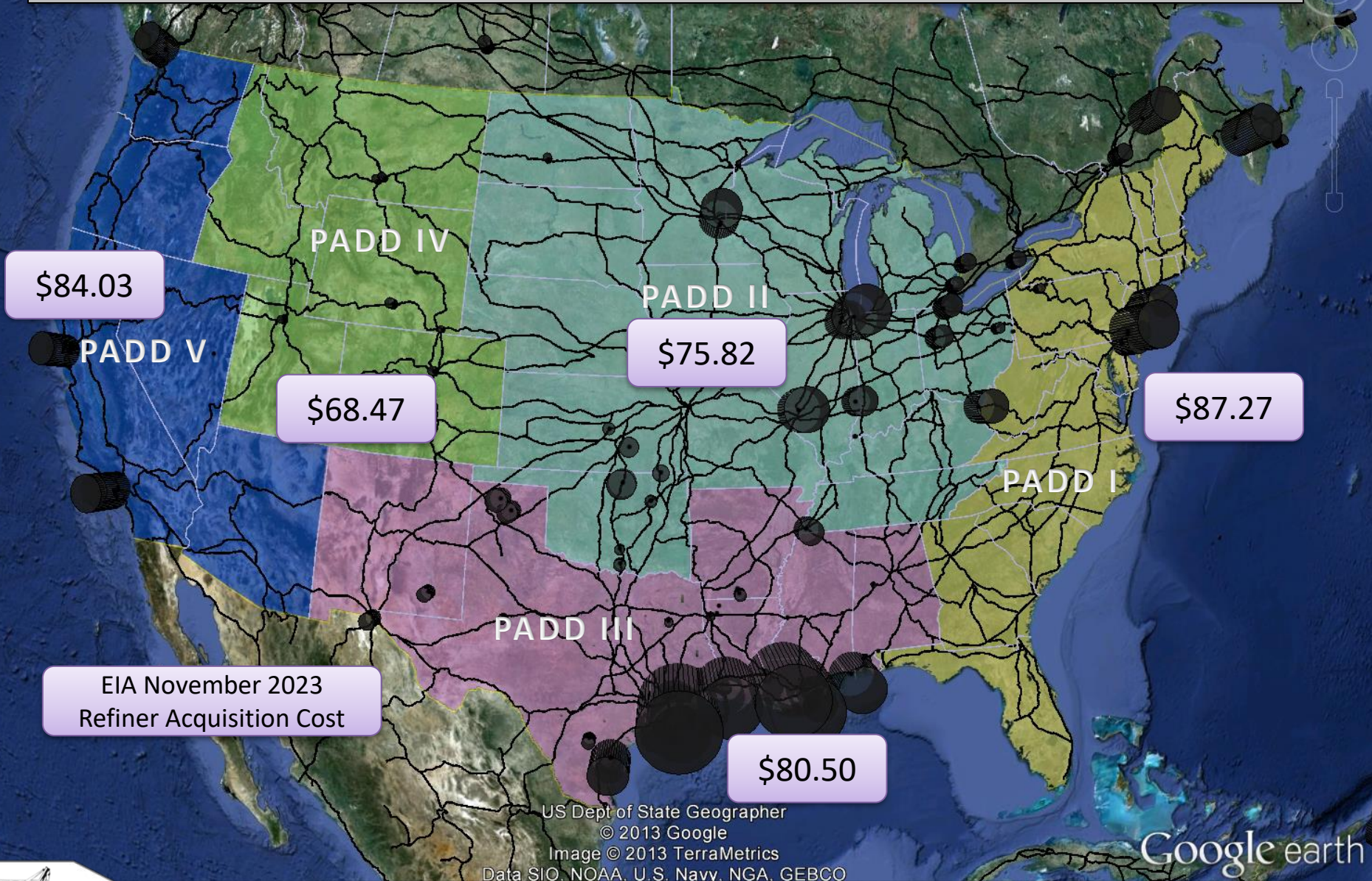
*December 2023*



# Estimated Williston Basin Oil Transportation



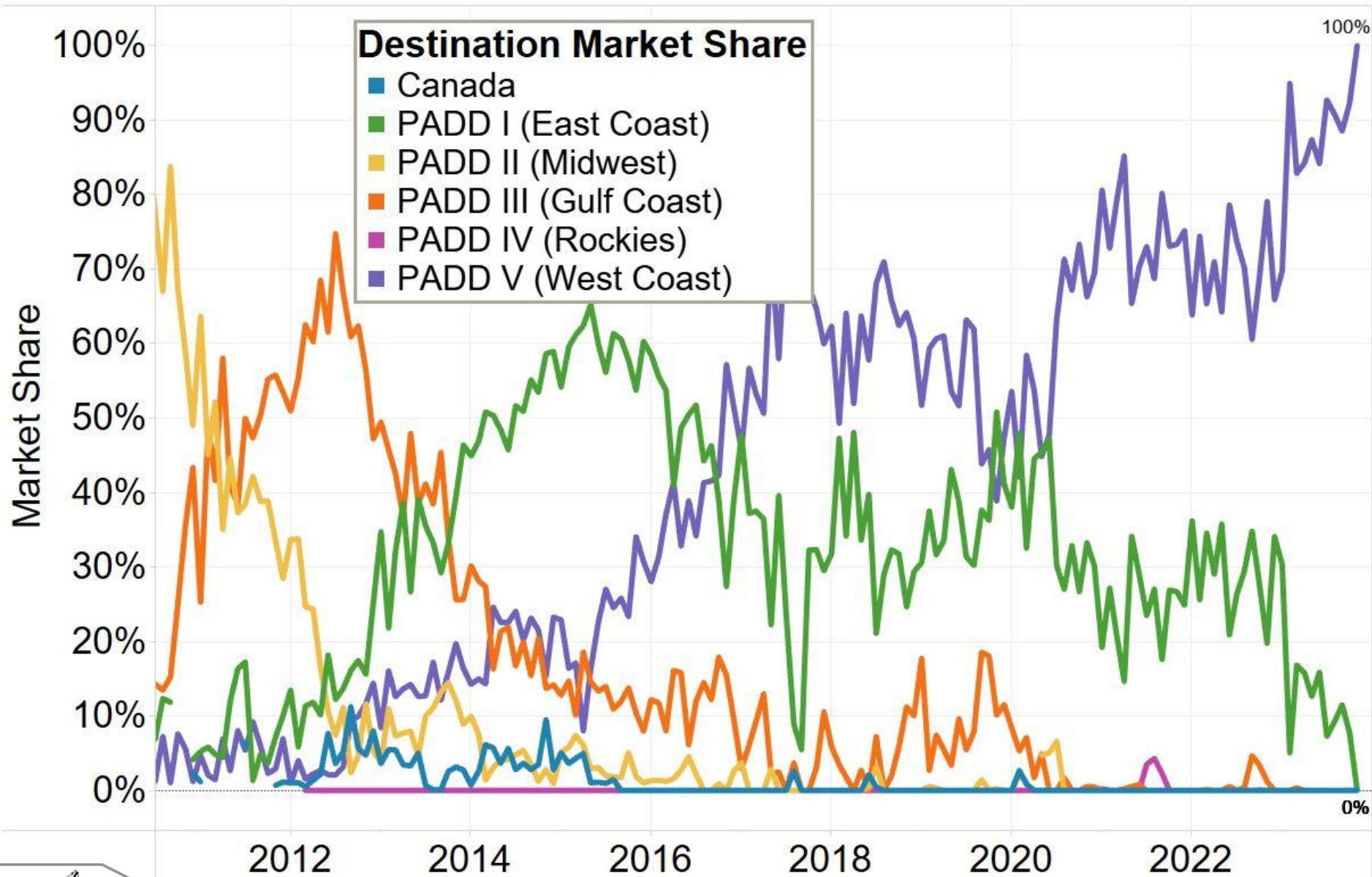
# Major Rail Lines and Refineries



# Estimated ND Rail Export Volumes

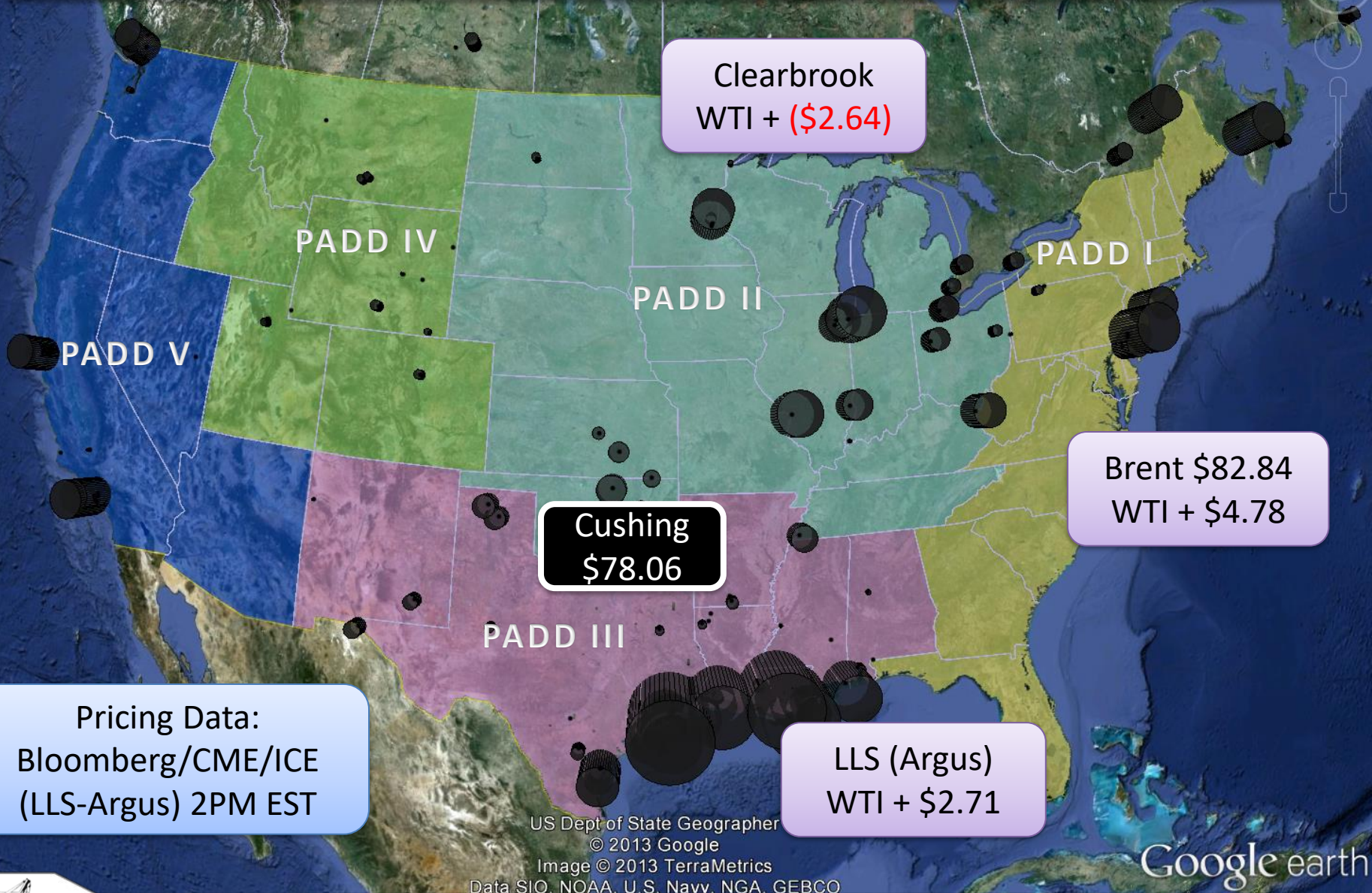


# Rail Destinations Market Share (Nov. 2023)

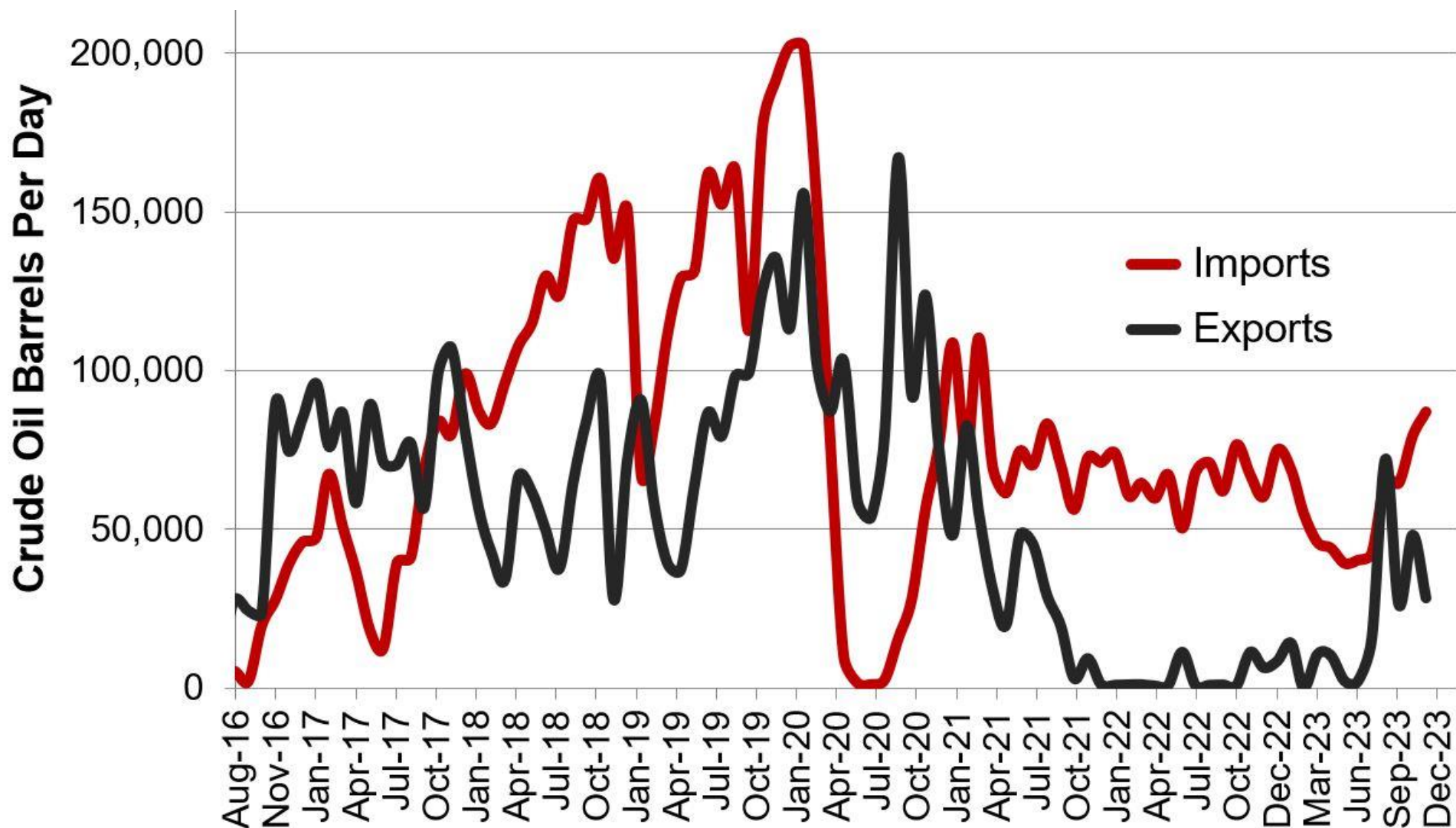




# Crude Oil Prices – Feb. 15, 2024



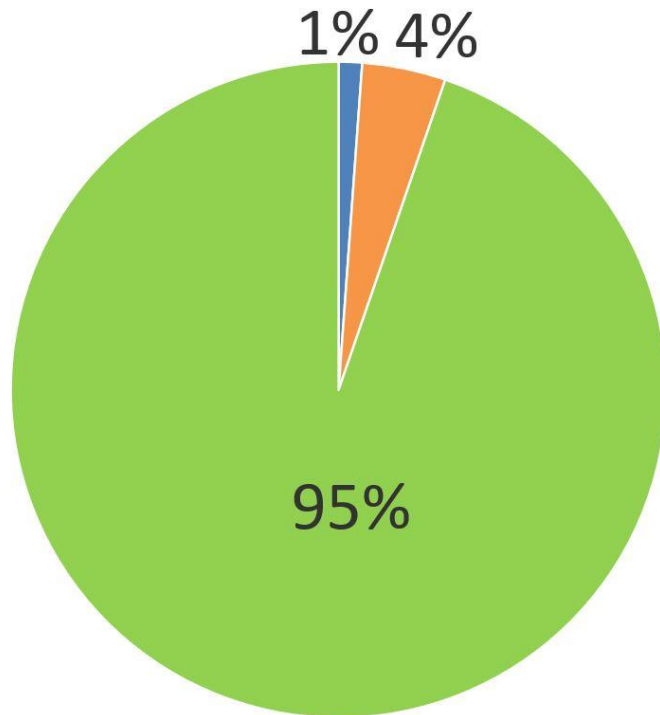
# Williston Basin Truck/Rail Imports and Exports with Canada



*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

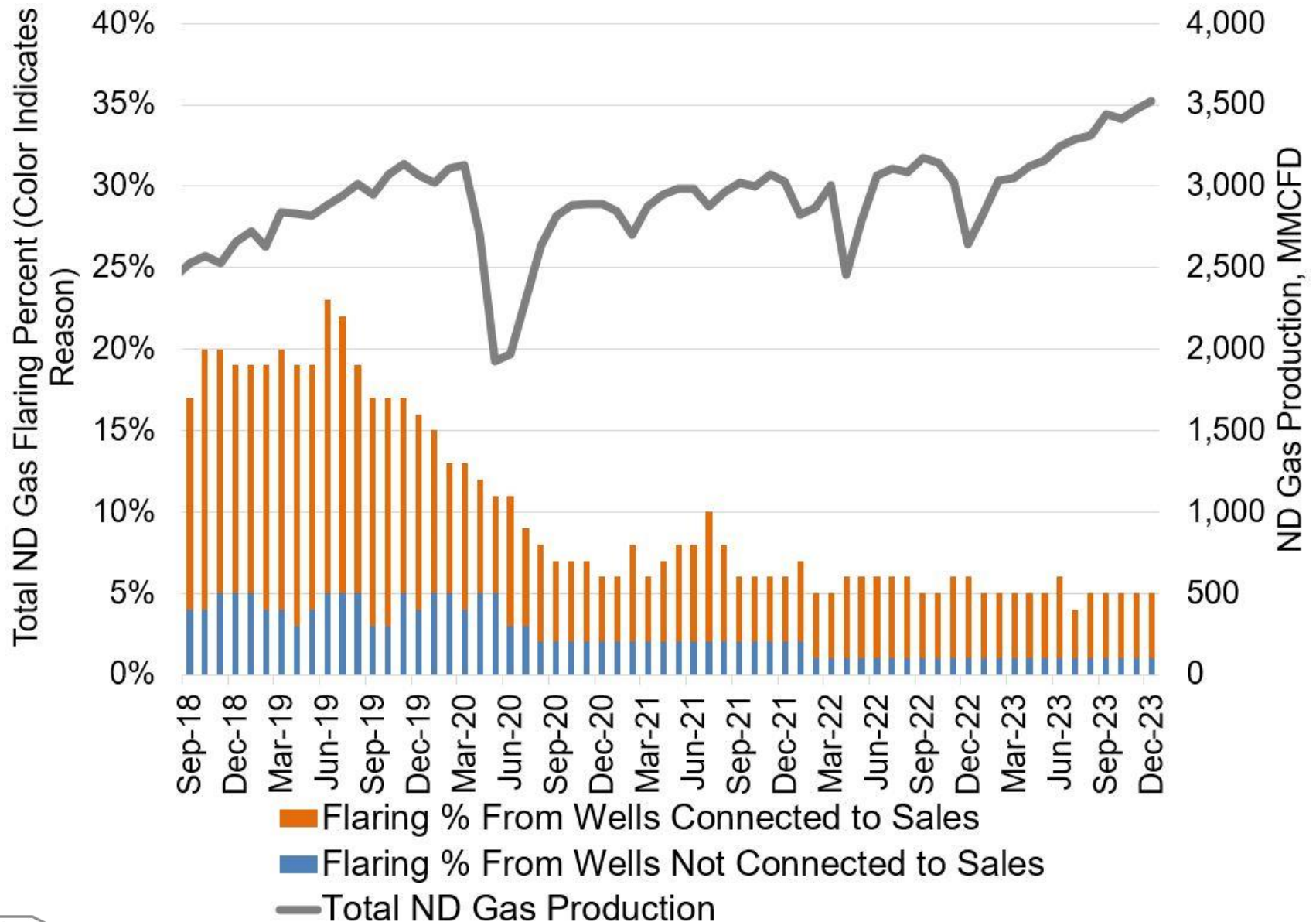
**Blue** – Lack of pipelines

**Orange** – Challenges on existing infrastructure

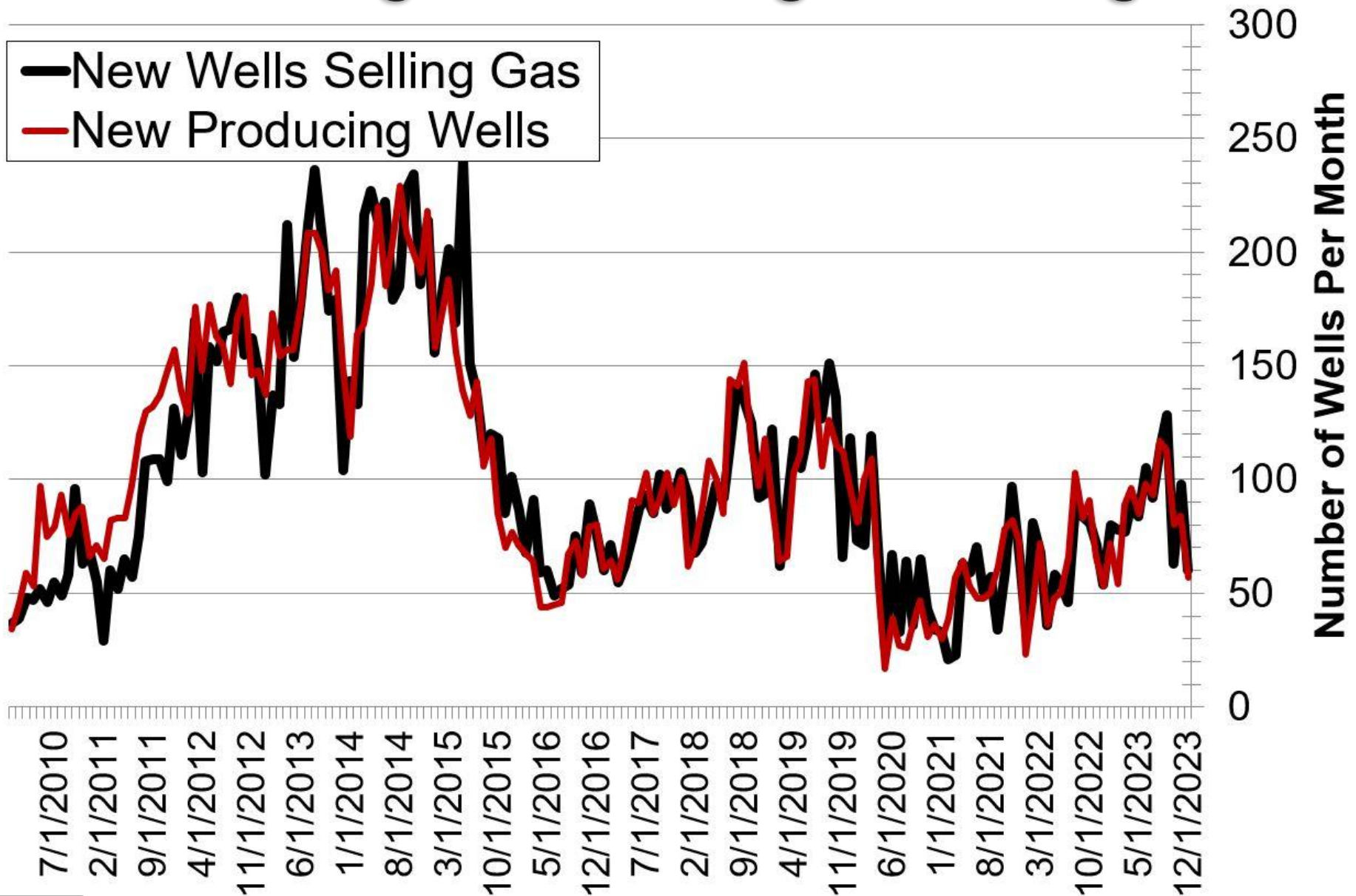
Dec. 2023 Data – Non-Confidential Wells



# Solving the Flaring Challenge

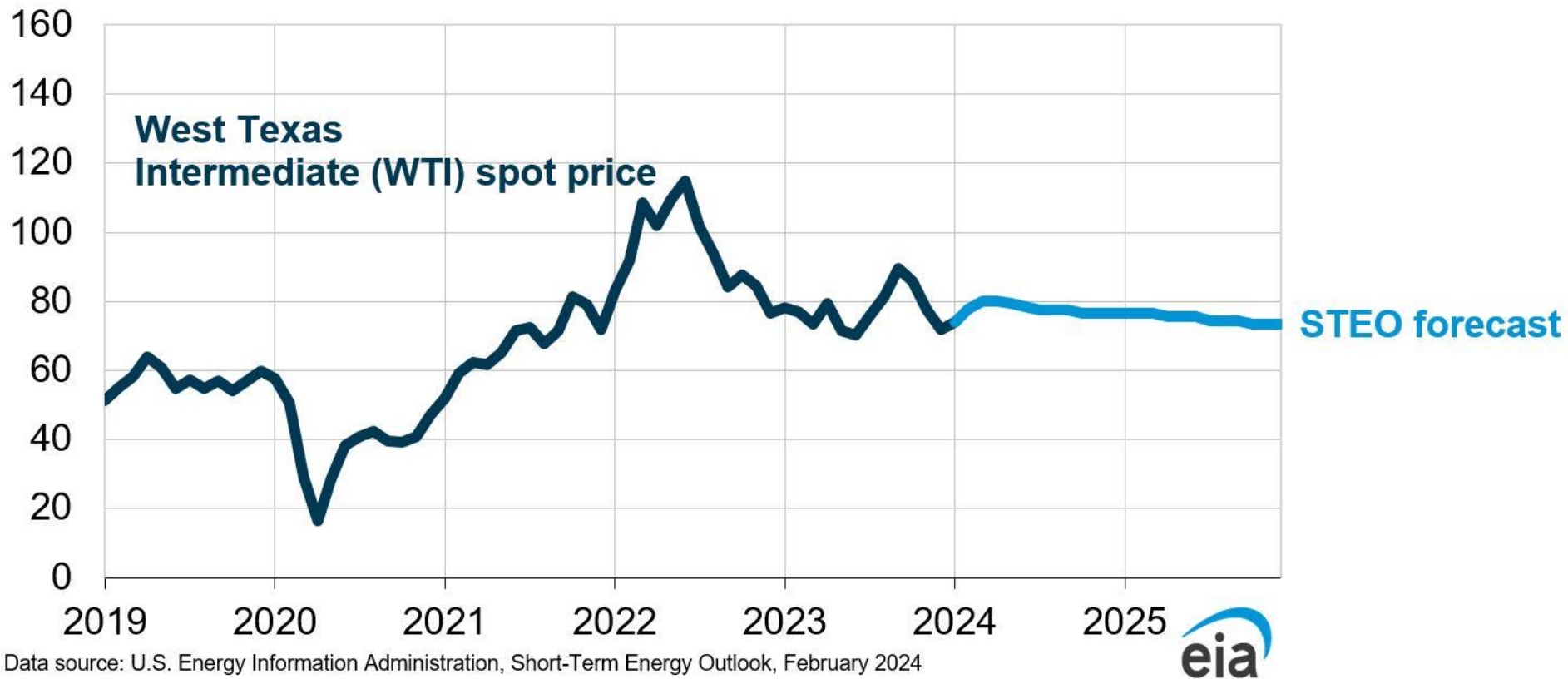


# Solving the Flaring Challenge

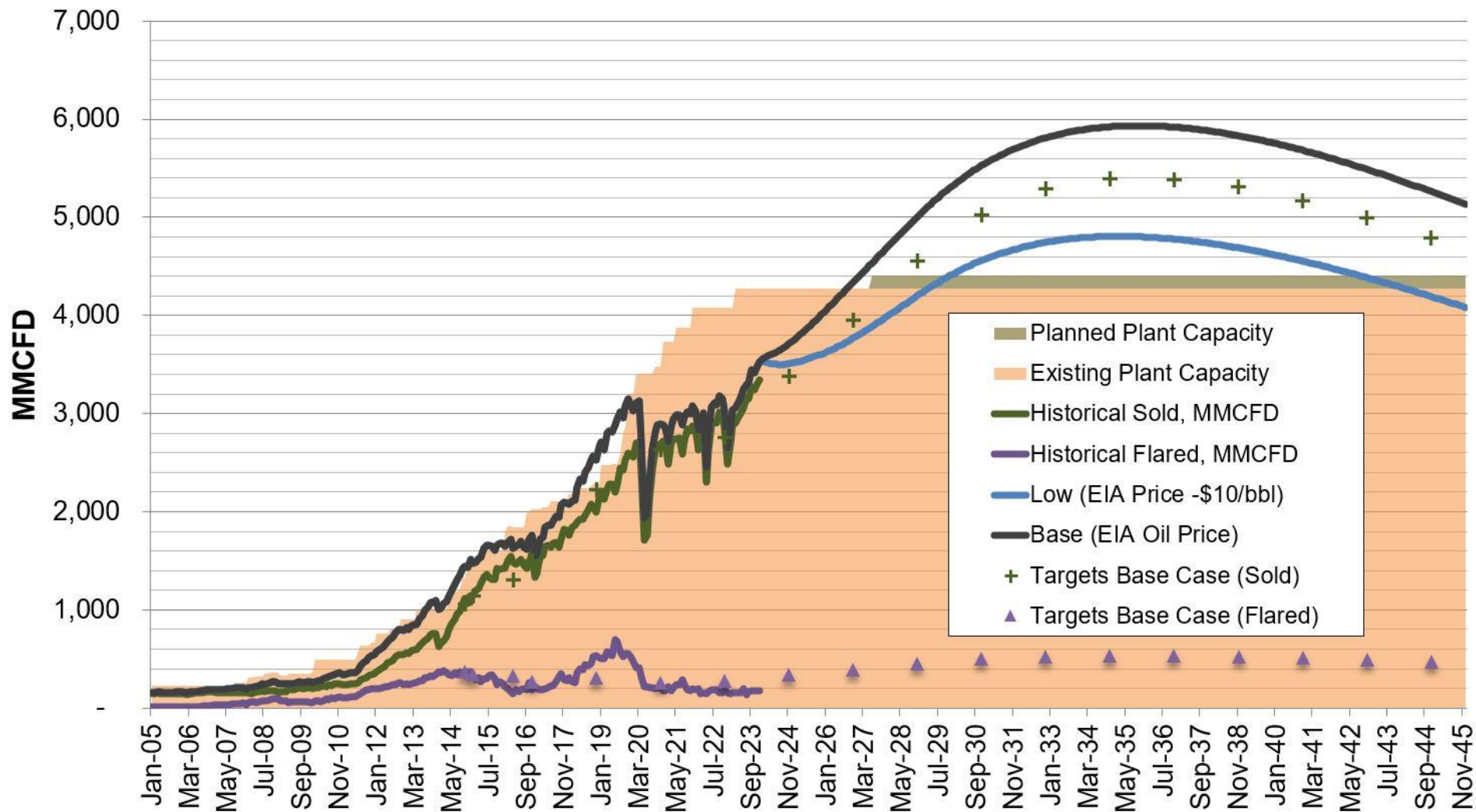


# EIA Oil Price Forecast: Feb. 2024

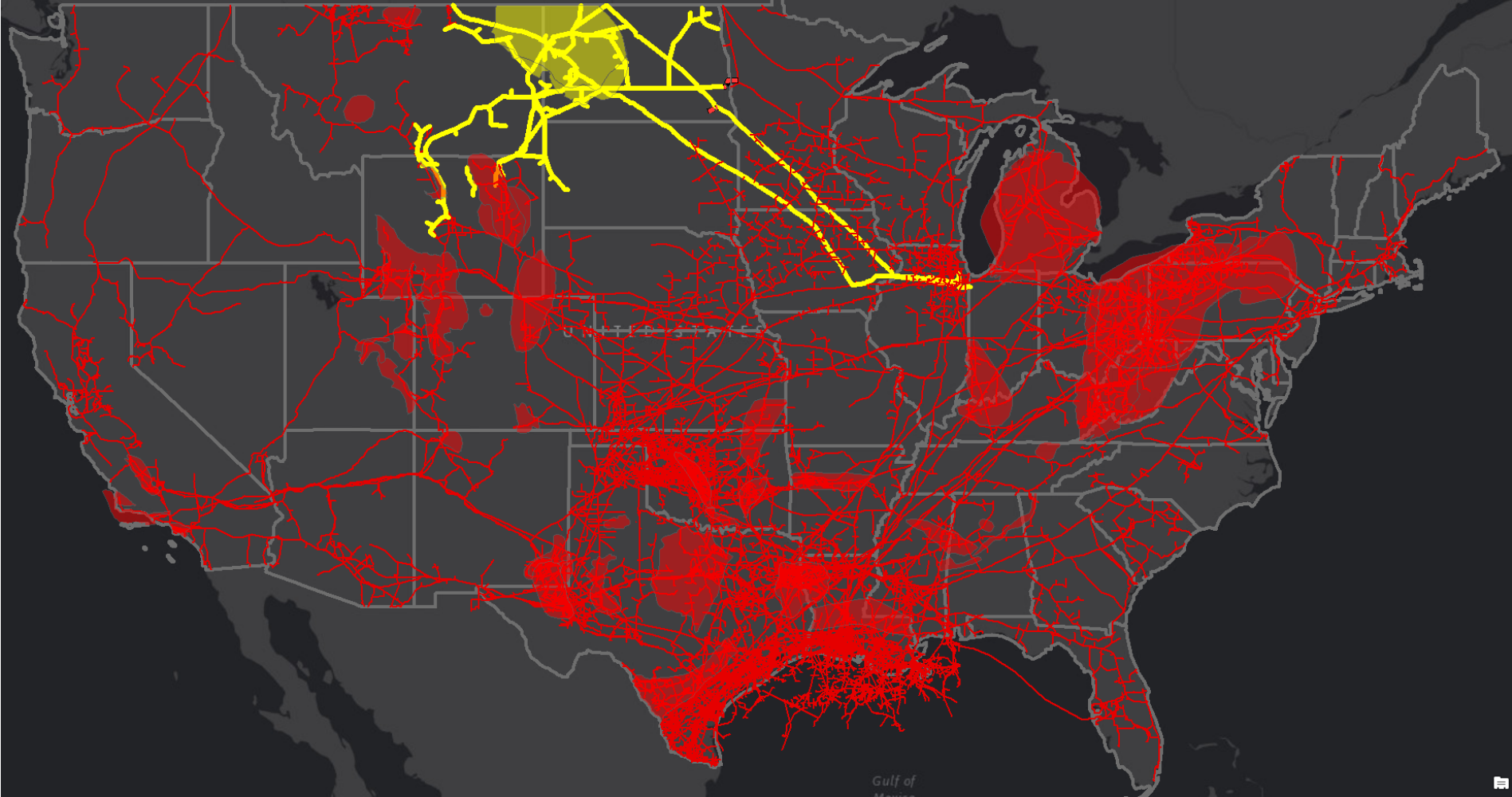
**West Texas Intermediate (WTI) crude oil price**  
dollars per barrel



# Solving the Flaring Challenge

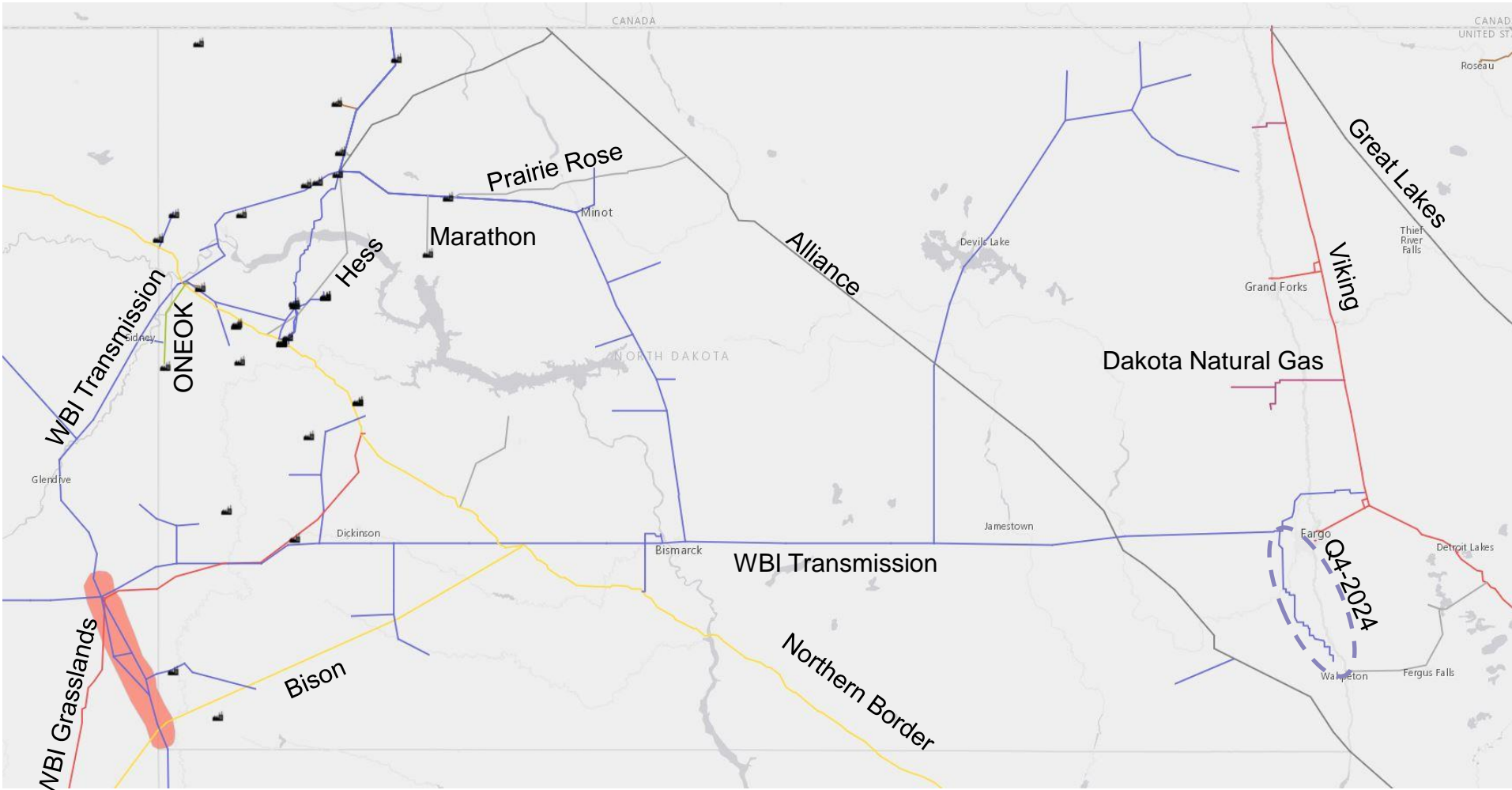


# Bakken Natural Gas Infrastructure

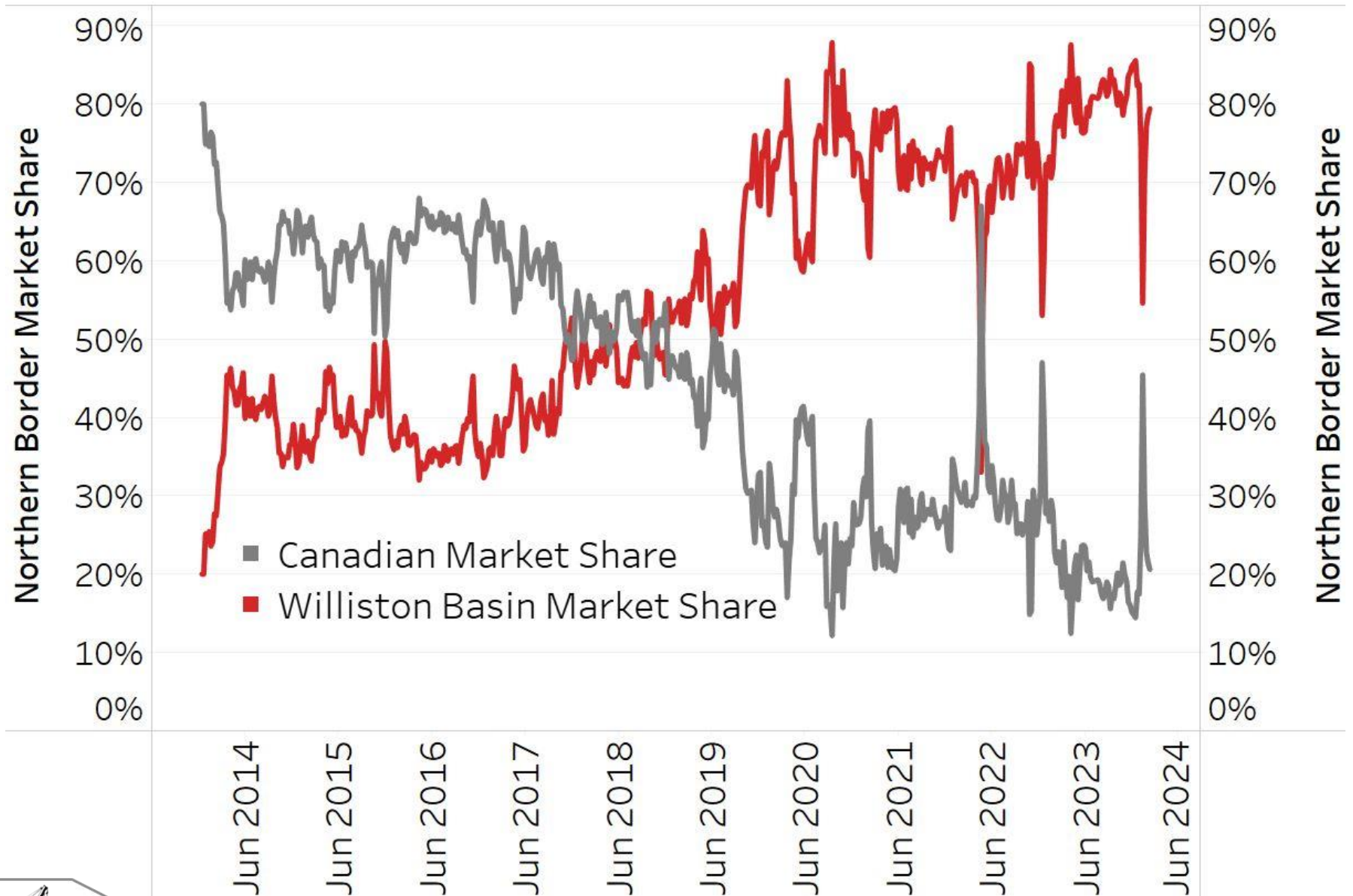




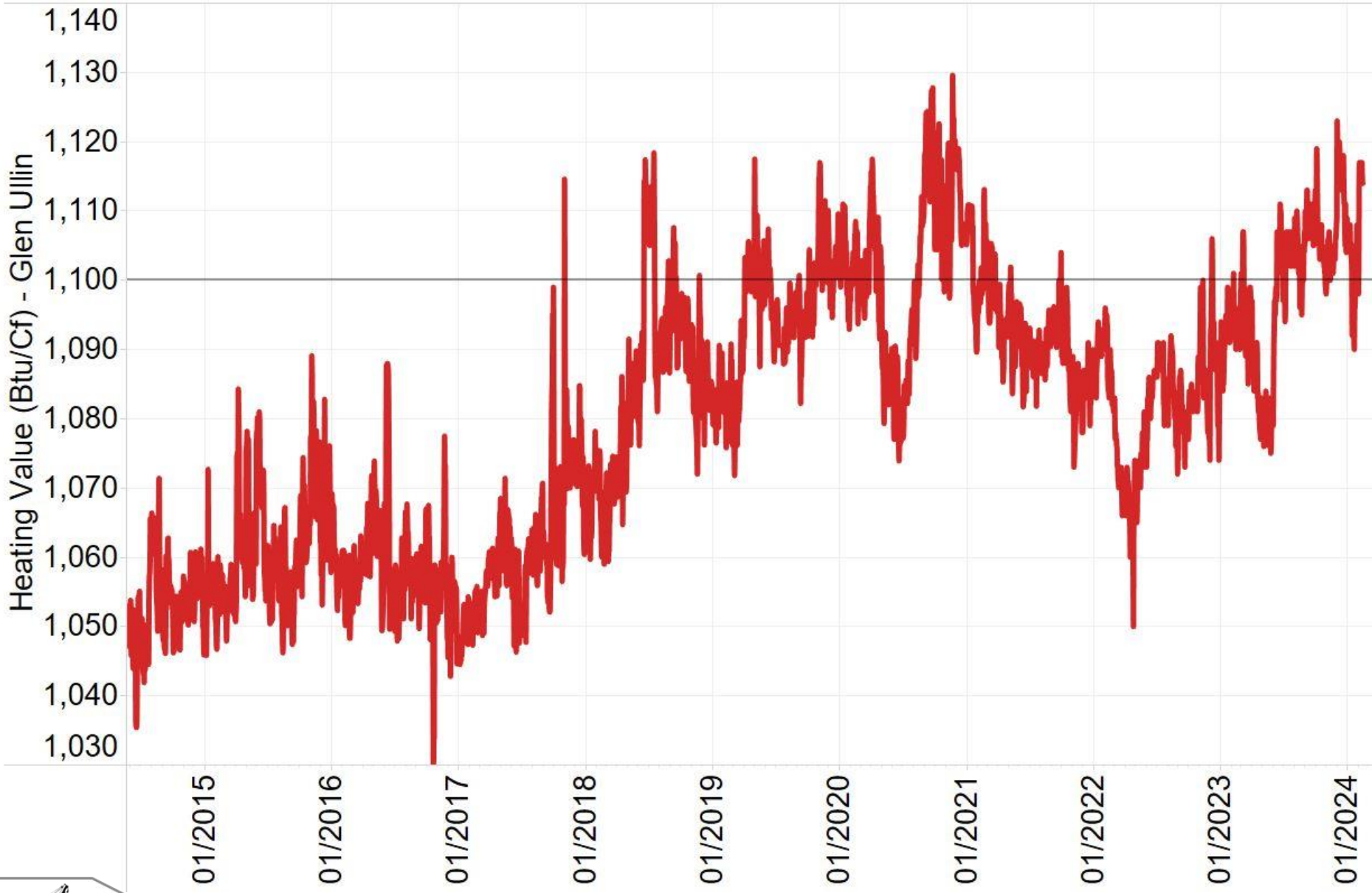
# Bakken Natural Gas Infrastructure



# Northern Border Pipeline Market Share



# Northern Border BTU at Glen Ullin, ND



# Contact Information

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