



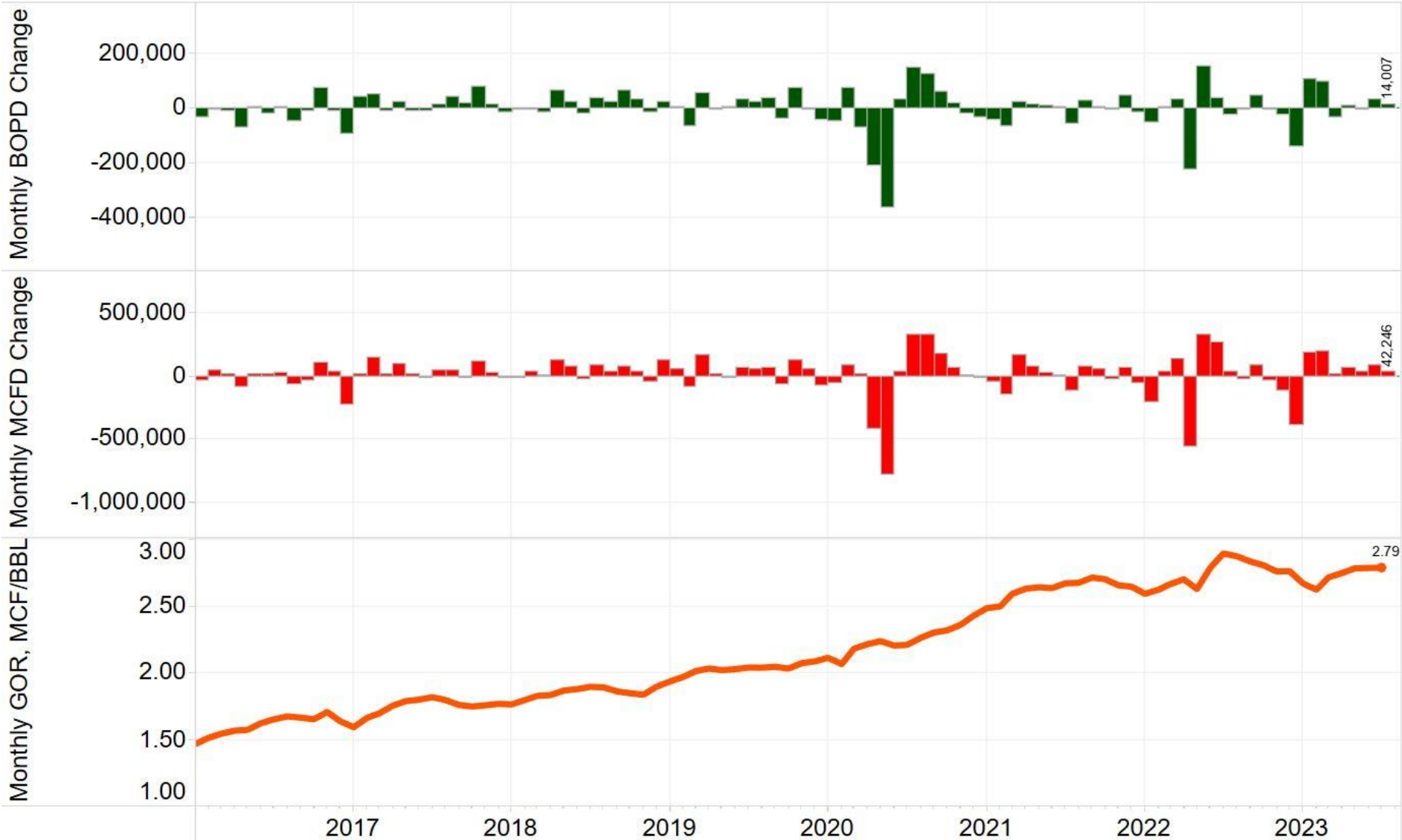
September 2023 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
September 14, 2023

# US Williston Basin Oil Production - 2023

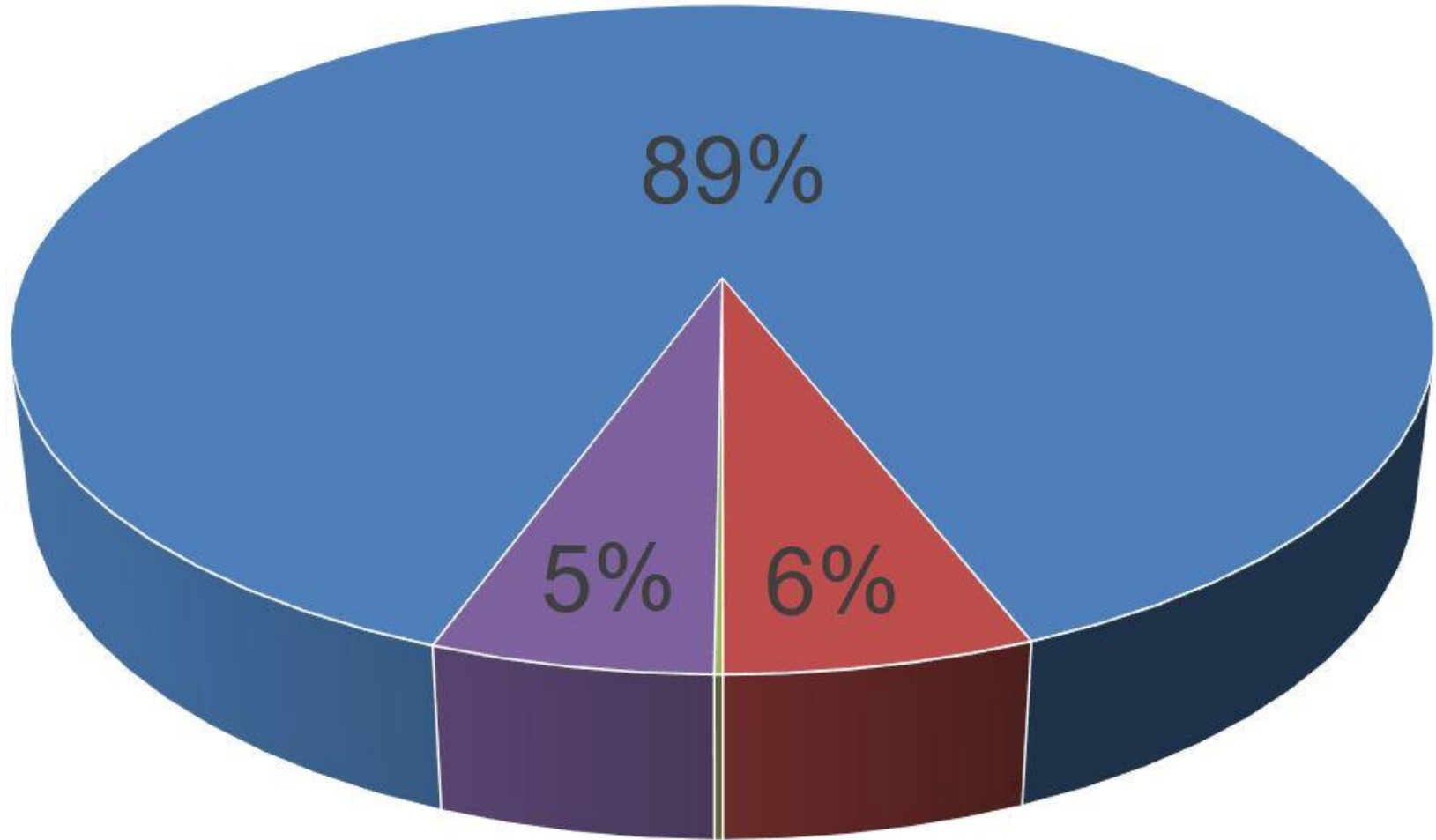
<b>MONTH</b>	<b>ND</b>	<b>Eastern MT*</b>	<b>SD</b>	<b>TOTAL</b>
January	1,062,878	62,094	2,610	1,127,582
February	1,158,978	63,536	2,475	1,224,989
March	1,124,896	64,580	2,652	1,192,128
April	1,135,825	61,897	2,557	1,200,279
May	1,134,999	60,760	2,560	1,198,319
June	1,166,604		2,274	
July	1,180,611			
August				
September				
October				
November				
December				



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



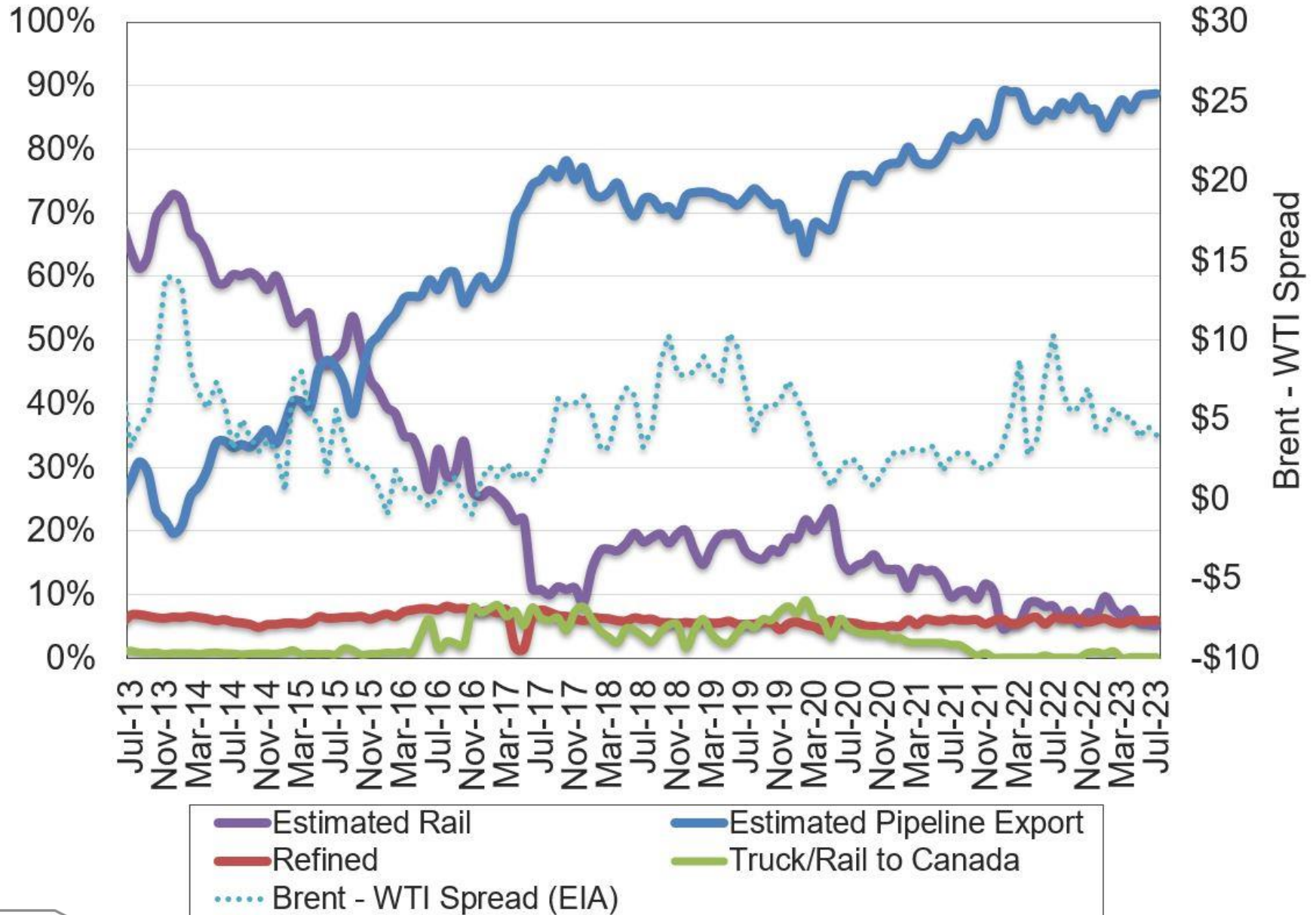
■ Pipeline Export 0%  
■ Truck/Rail to Canada

■ Refined  
■ Estimated Rail

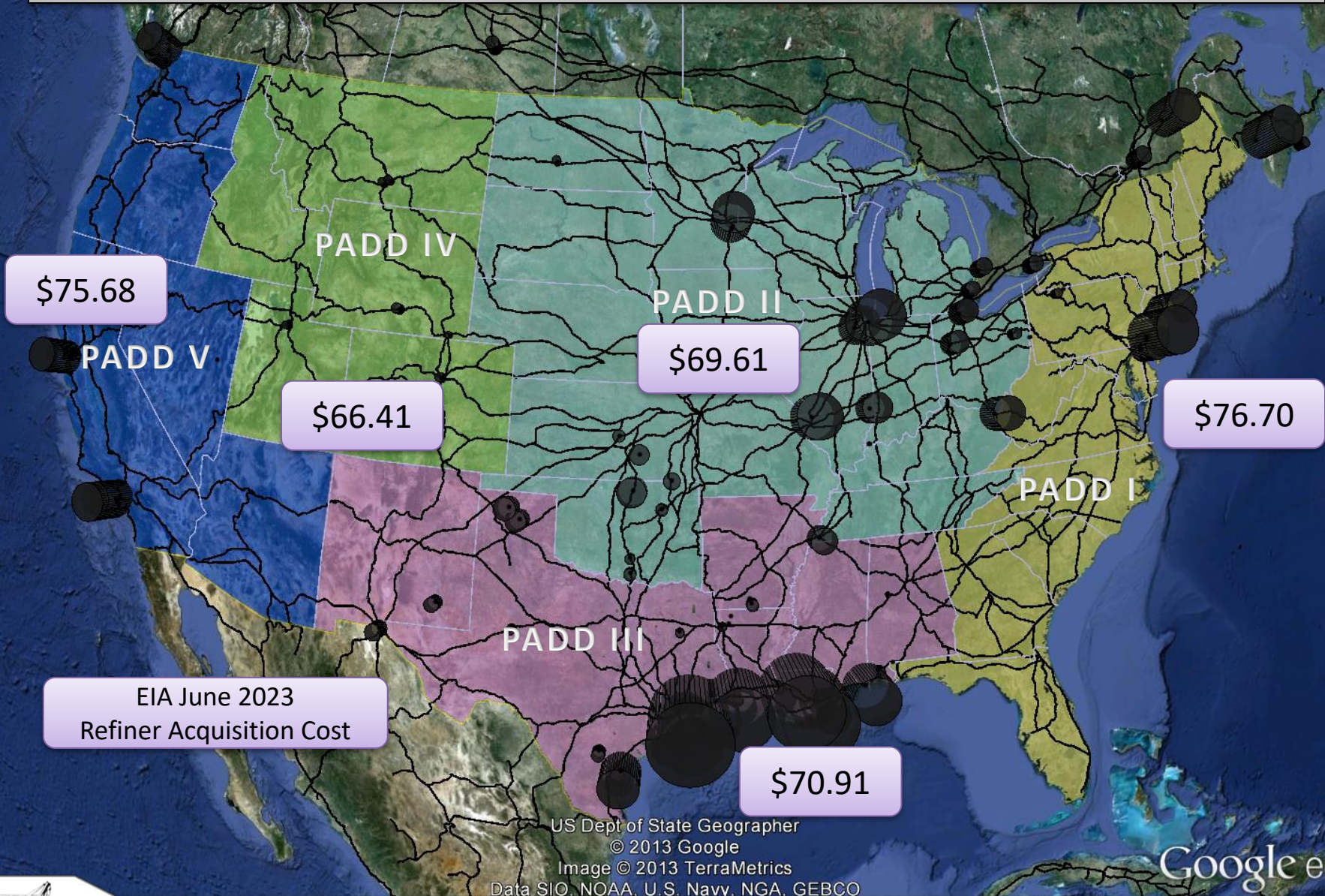
July 2023



# Estimated Williston Basin Oil Transportation



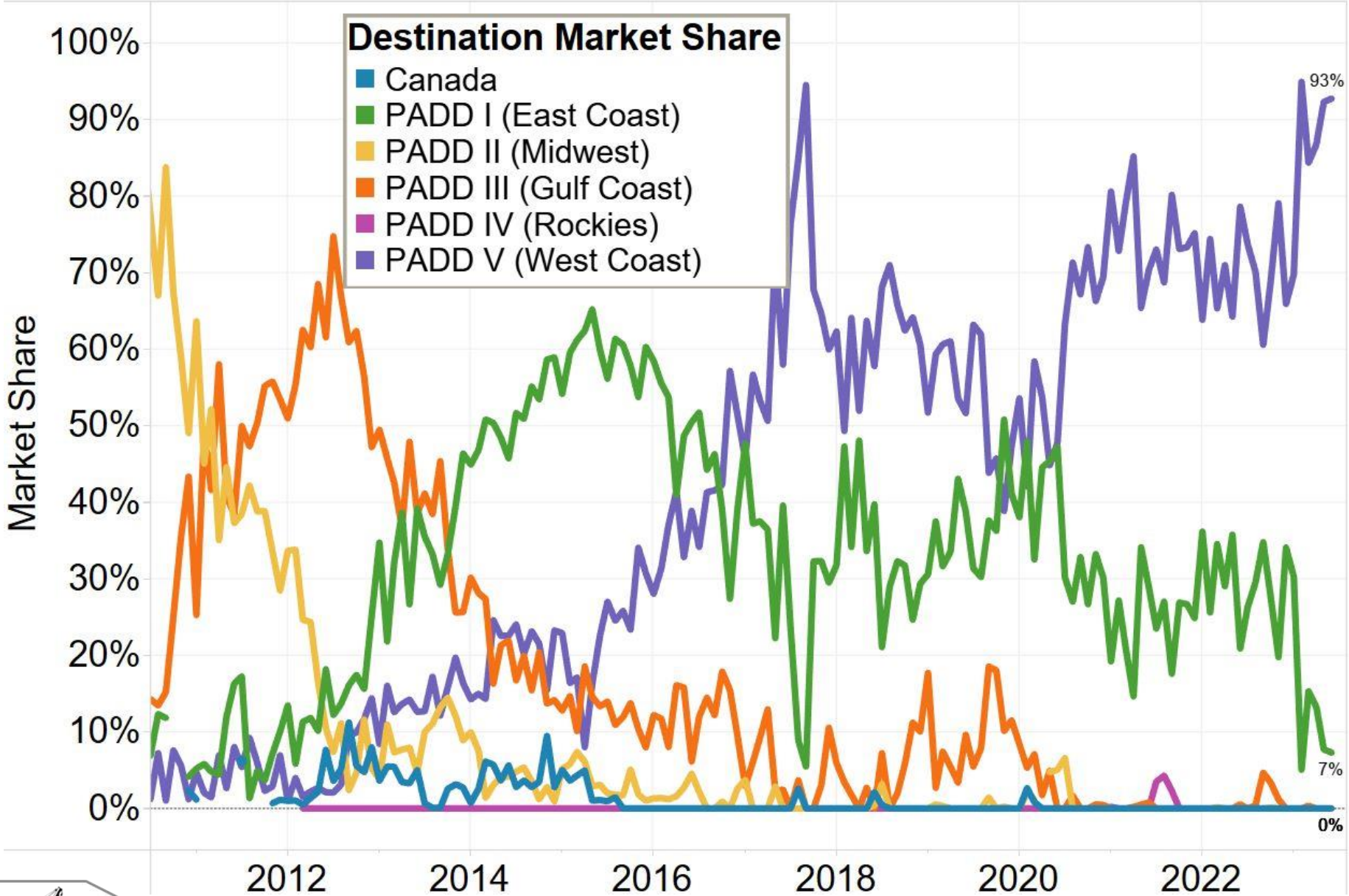
# Major Rail Lines and Refineries



# Estimated ND Rail Export Volumes

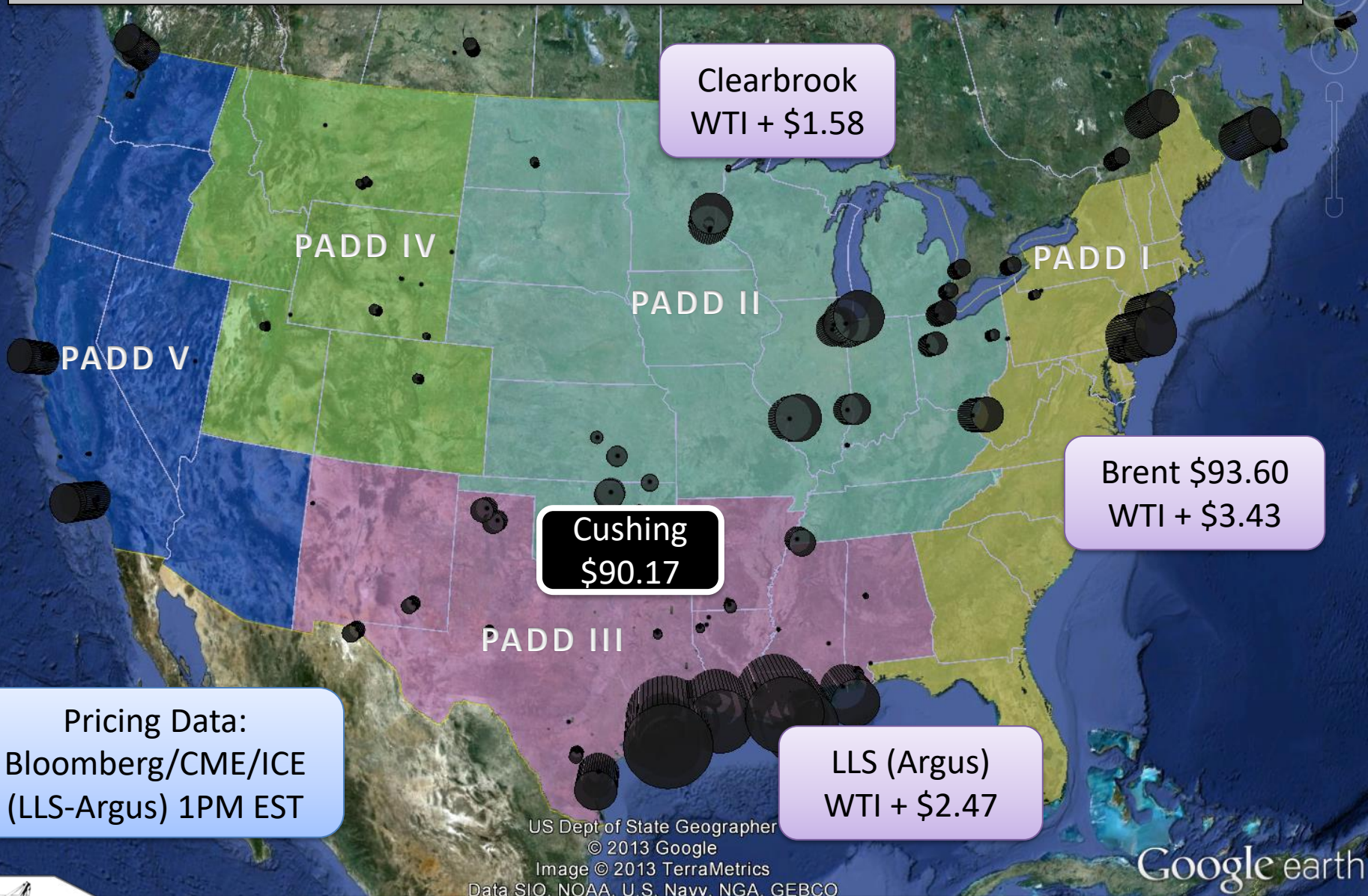


# Rail Destinations Market Share (June 2023)

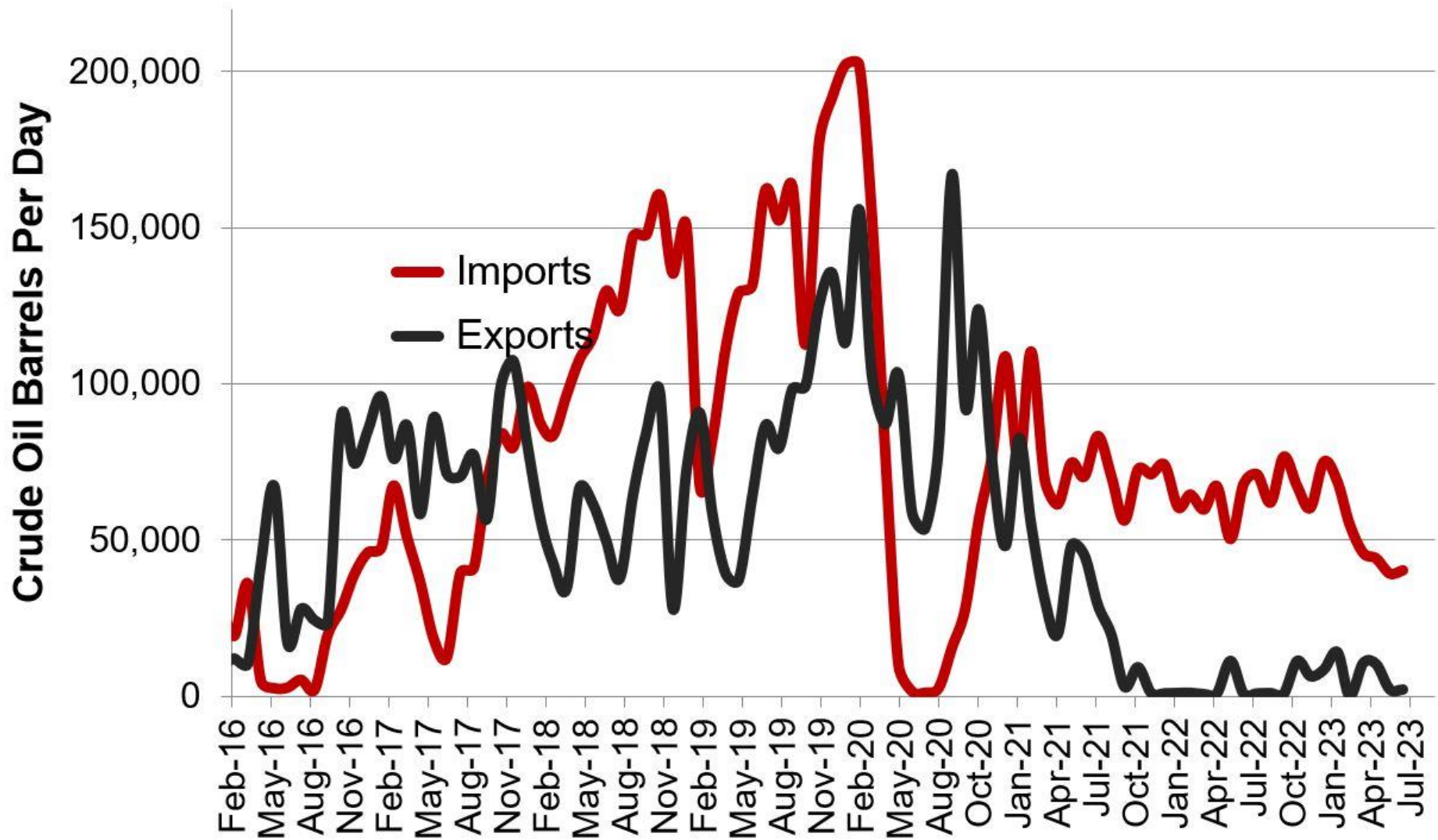




# Crude Oil Prices – Sep. 14, 2023



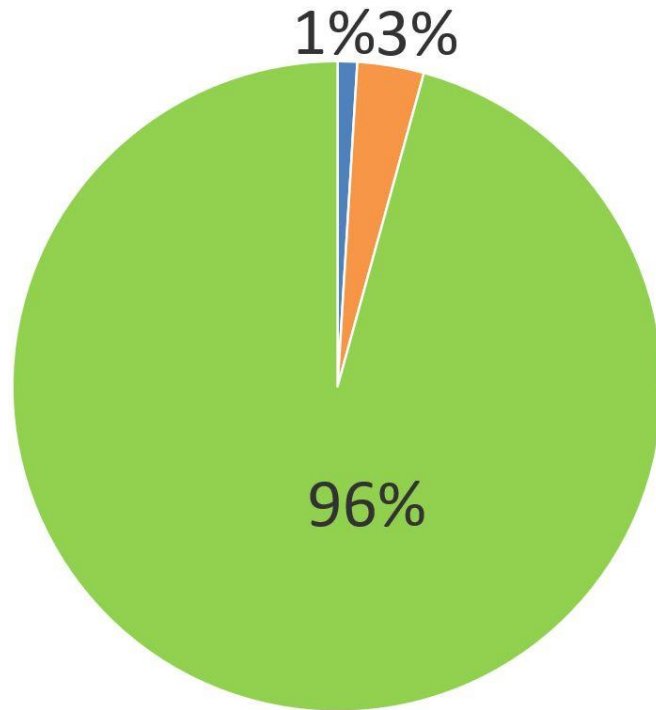
# Williston Basin Truck/Rail Imports and Exports with Canada



*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.

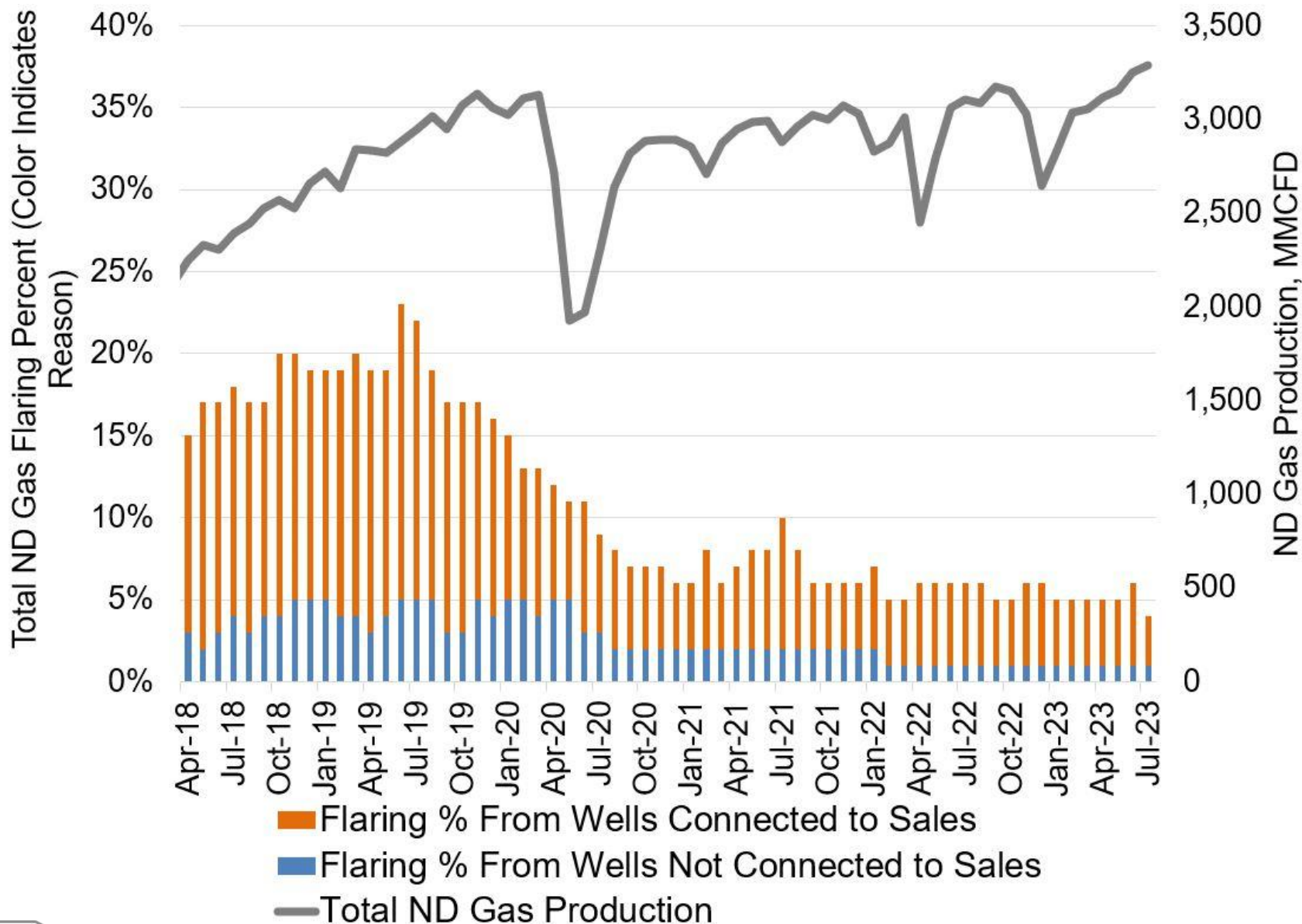
## Simple Terms

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

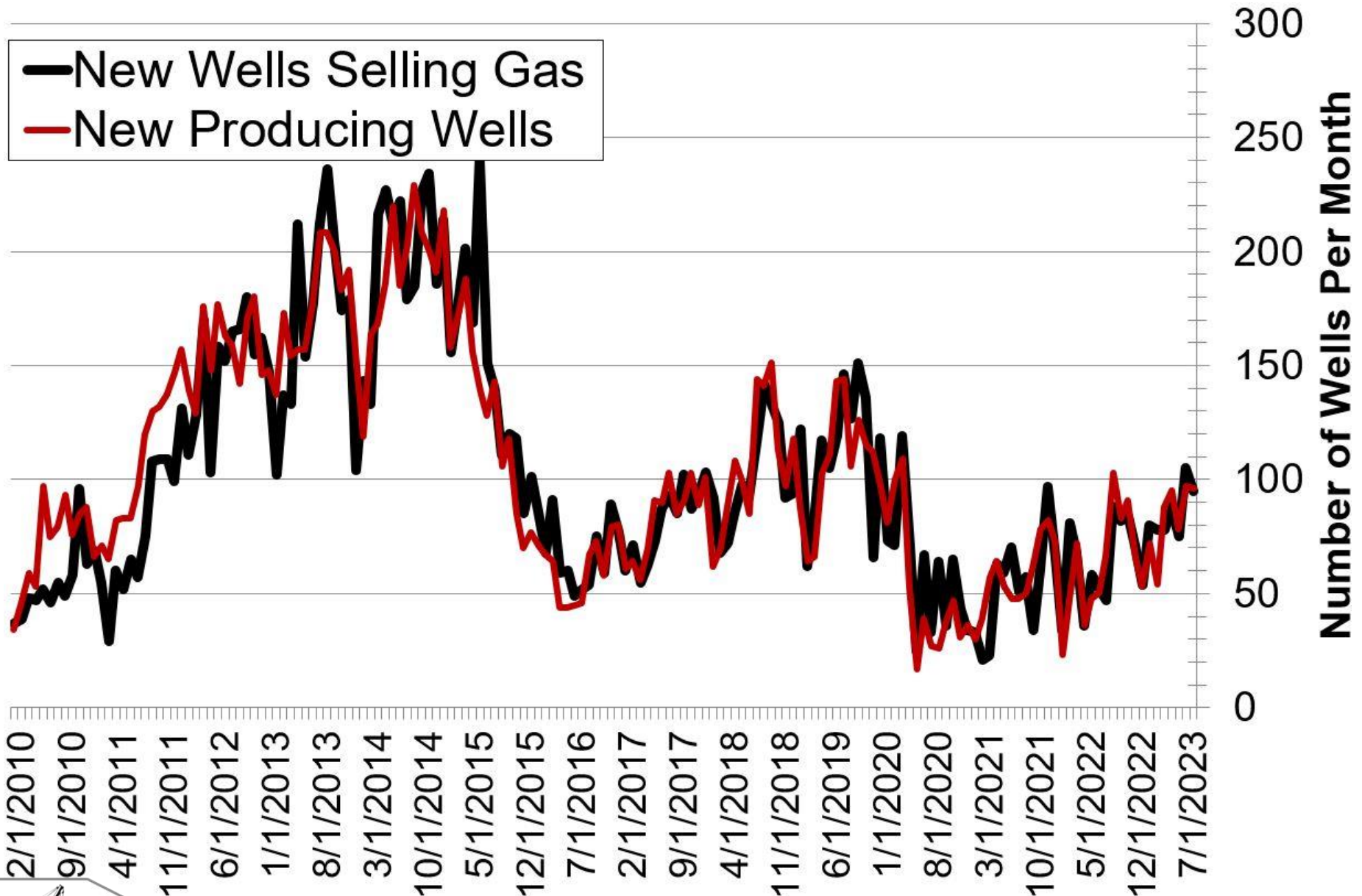
July 2023 Data – Non-Confidential Wells



# Solving the Flaring Challenge

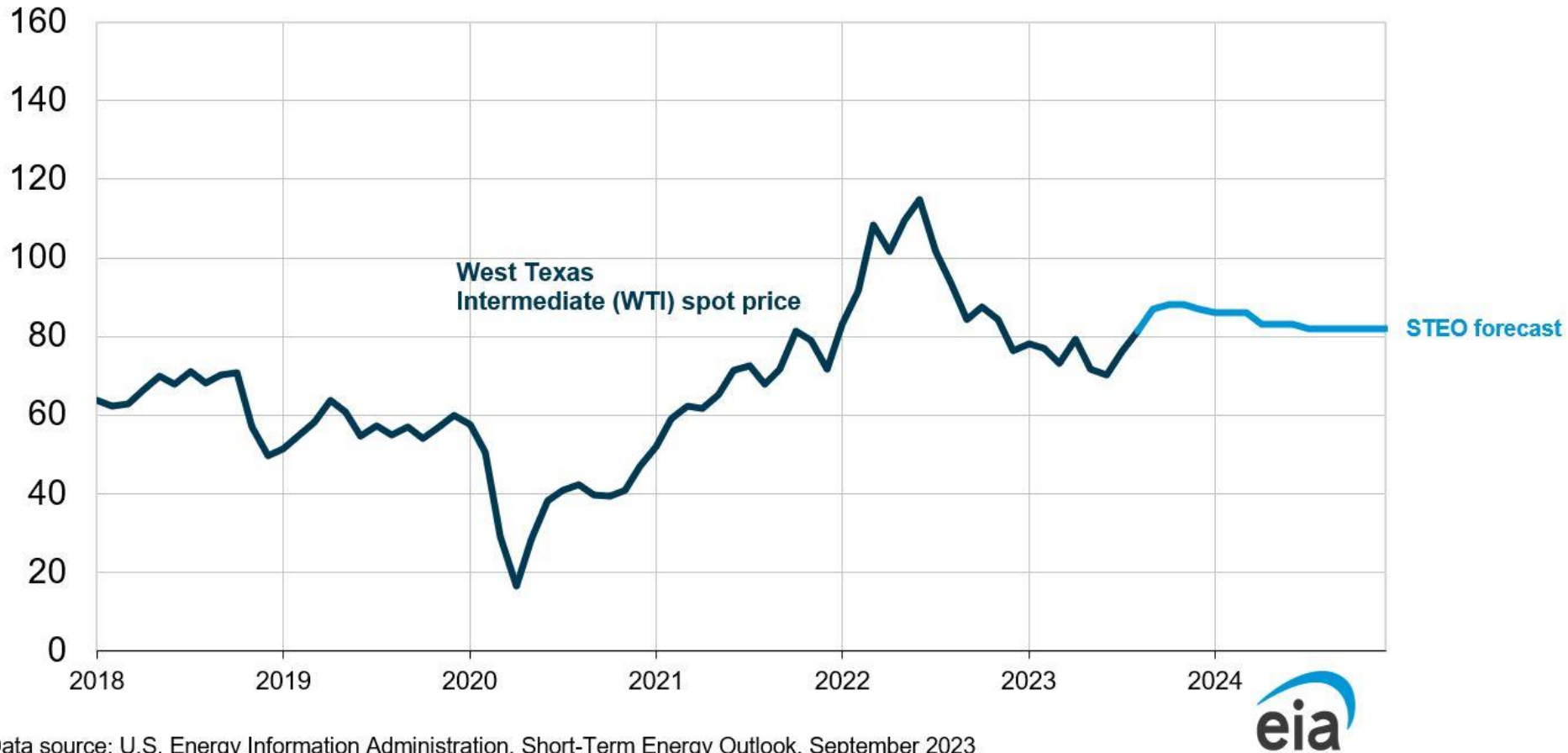


# Solving the Flaring Challenge



# EIA Oil Price Forecast: Sep. 2023

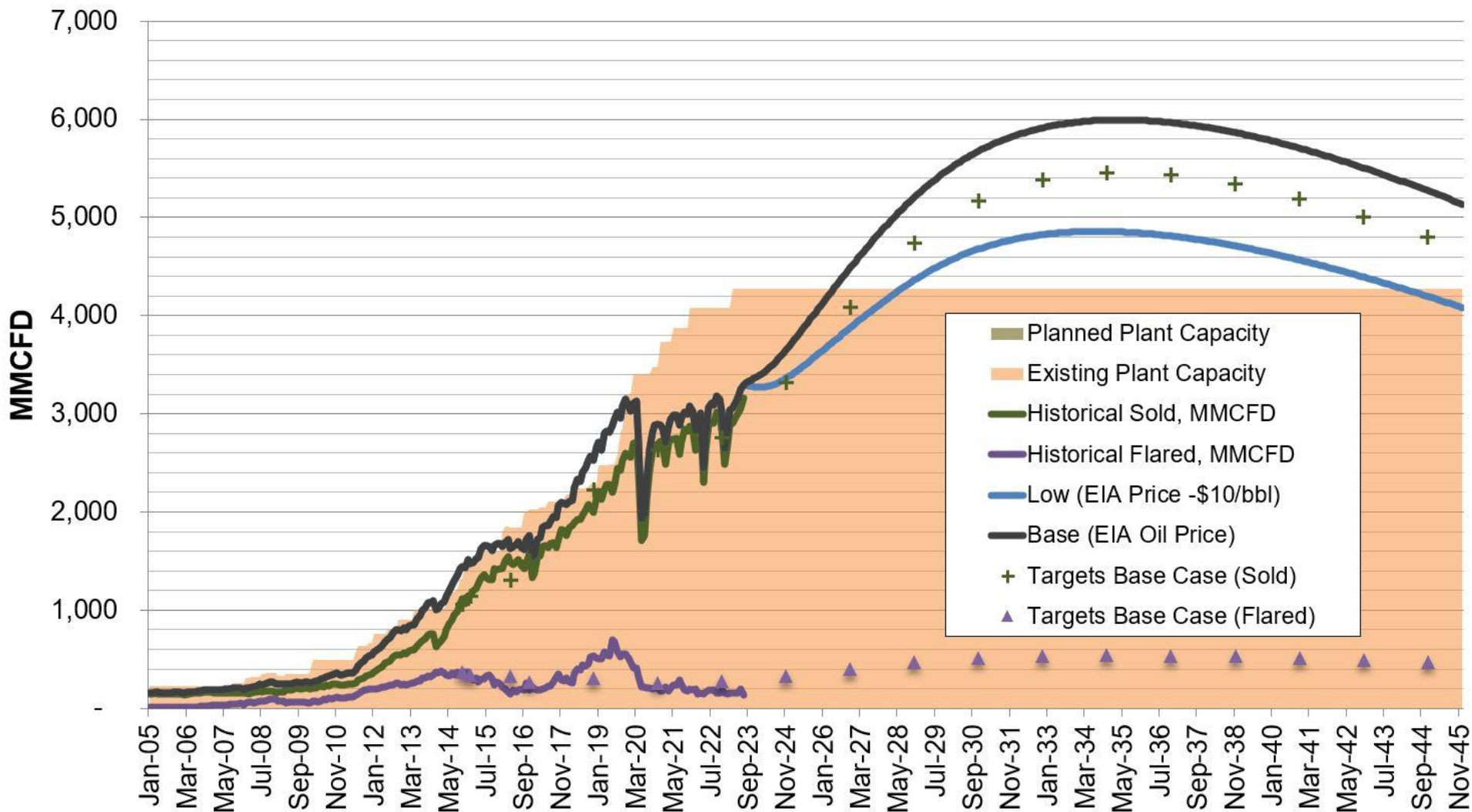
## West Texas Intermediate (WTI) crude oil price dollars per barrel



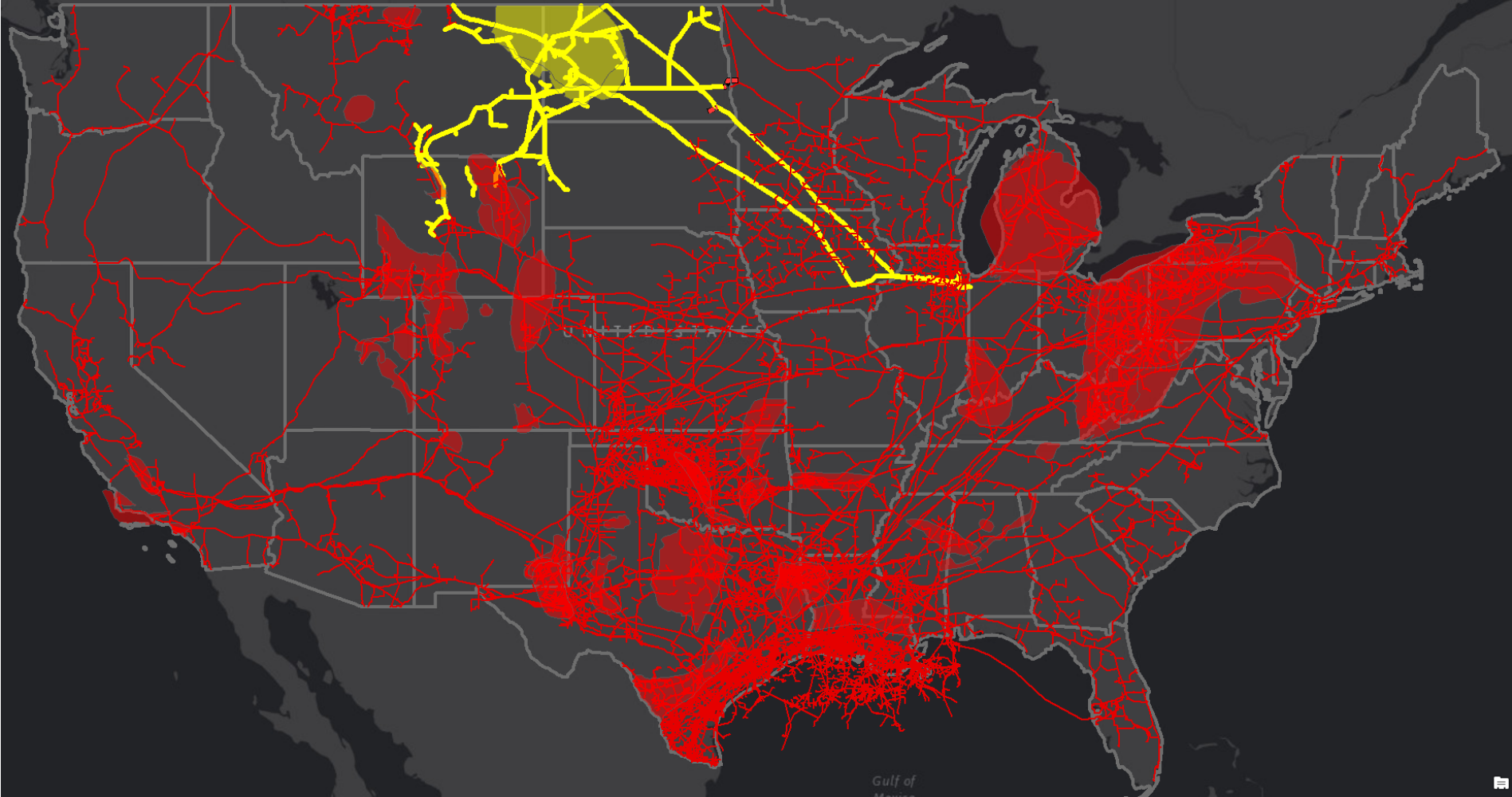
Data source: U.S. Energy Information Administration, Short-Term Energy Outlook, September 2023



# Solving the Flaring Challenge

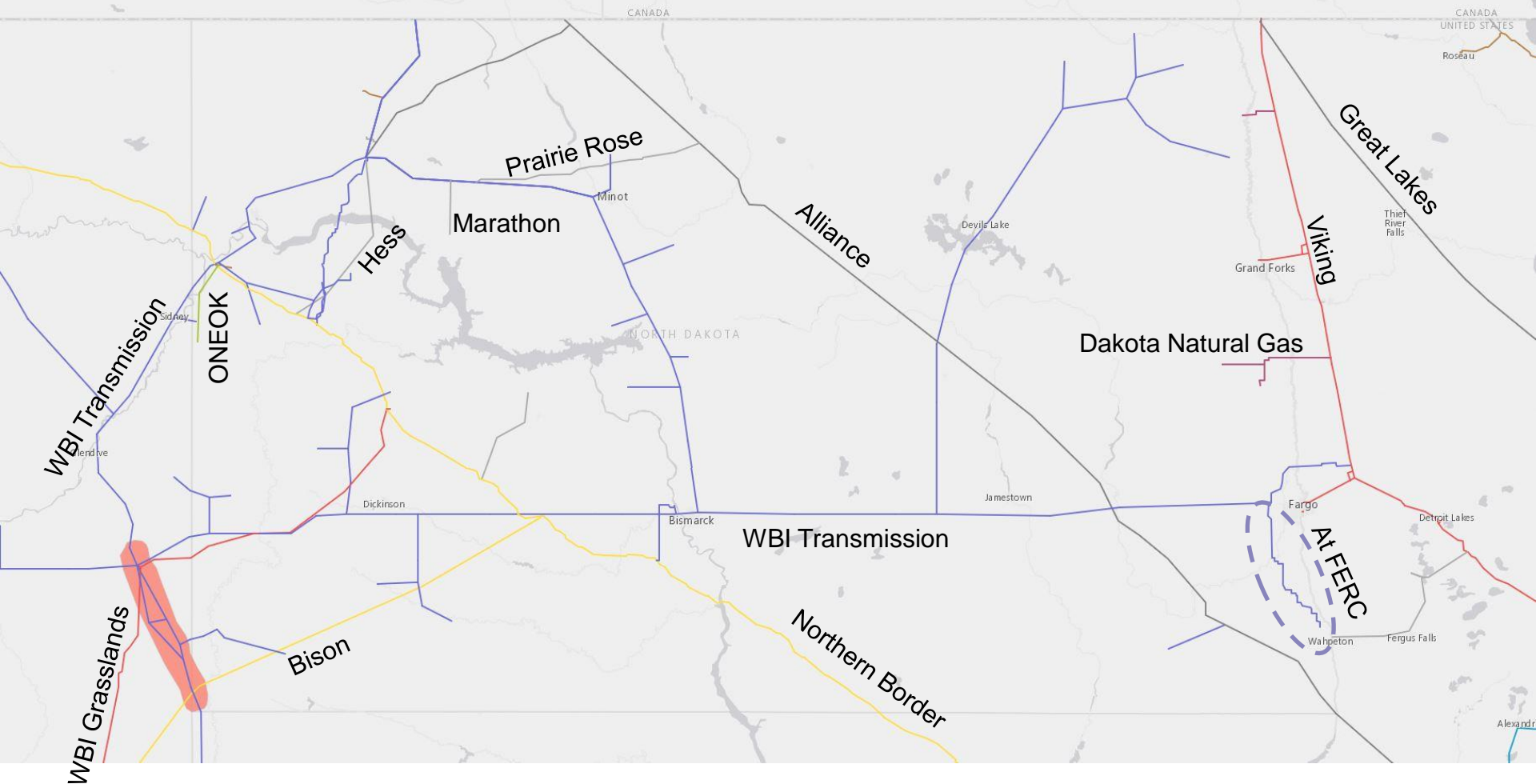


# Bakken Natural Gas Infrastructure

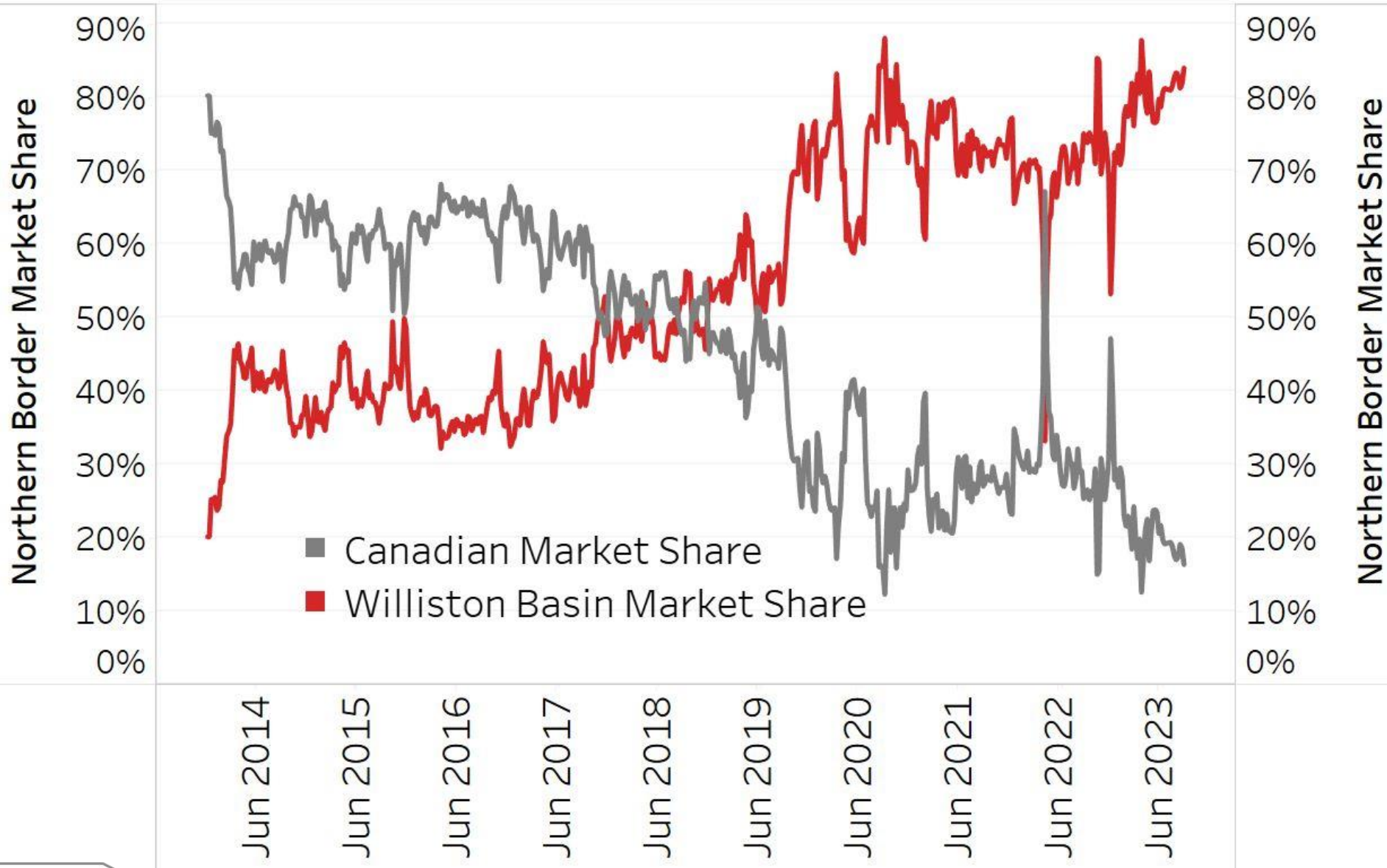




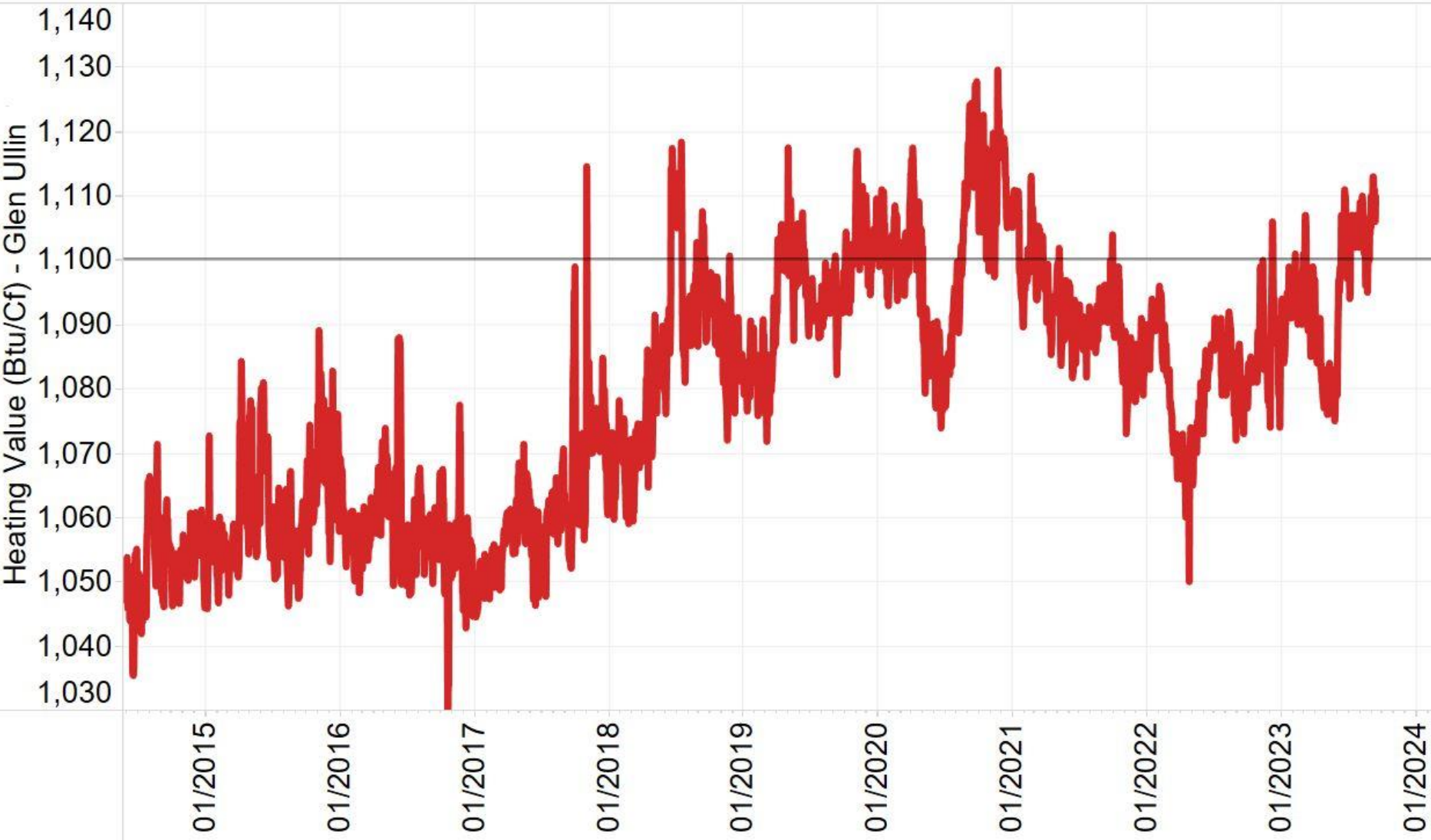
# Bakken Natural Gas Infrastructure



# Northern Border Pipeline Market Share



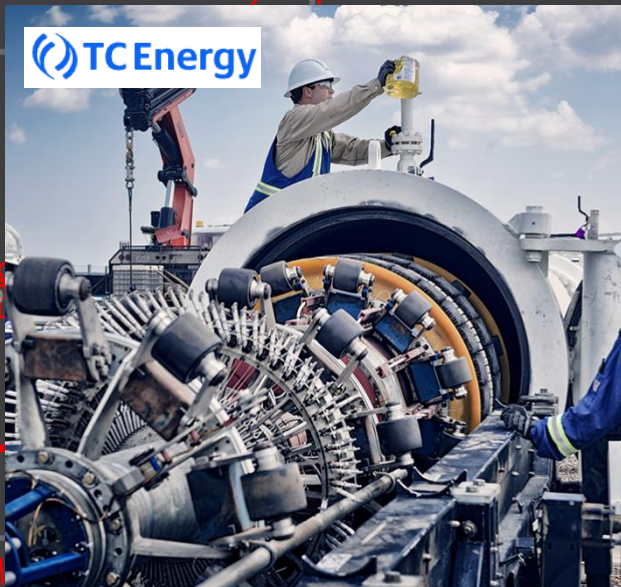
# Northern Border BTU at Glen Ullin, ND



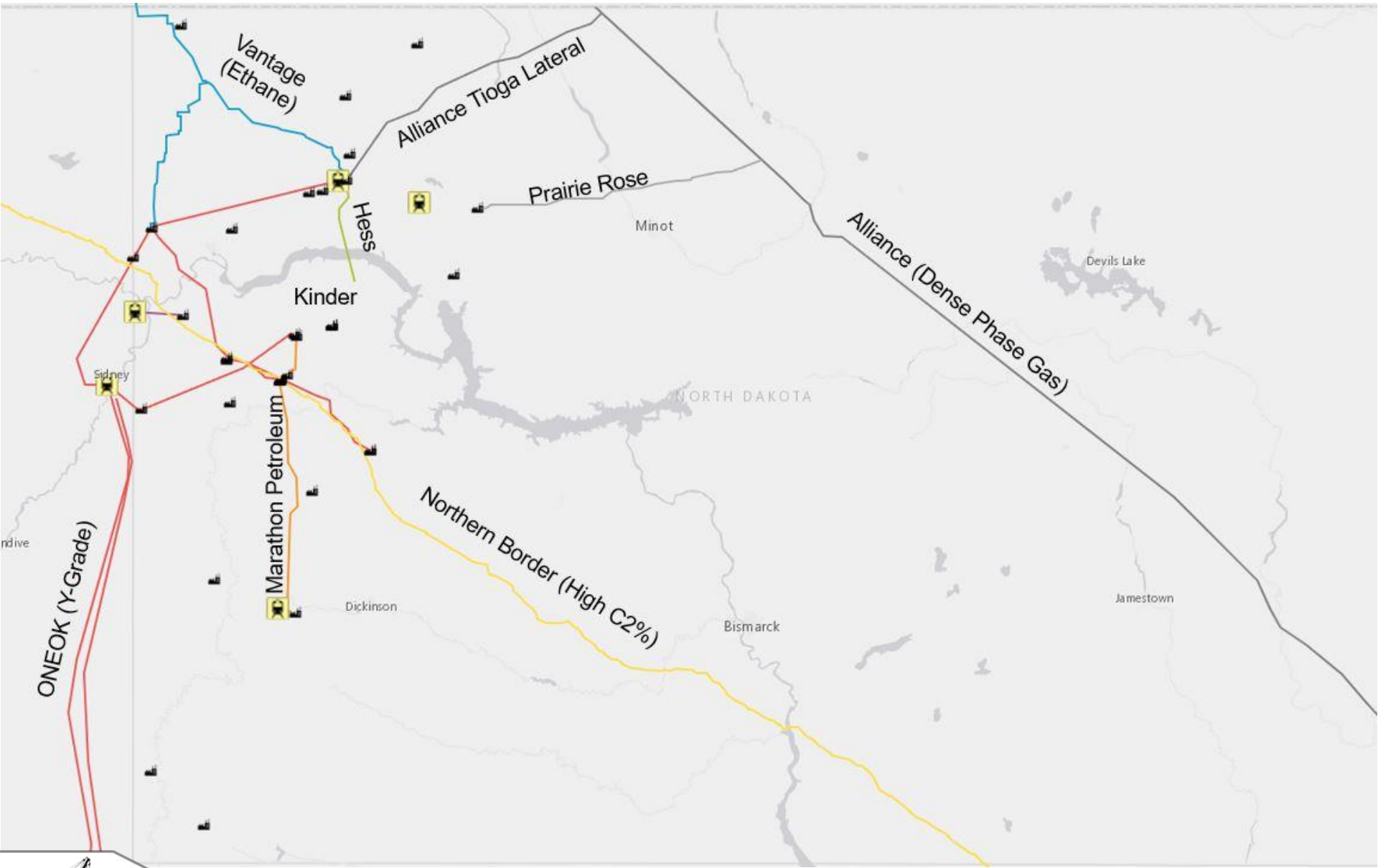
# St. Anthony to Wetonka Pig Runs

**Planned Capacity Reduction**  
Sep 12 – Cleaning Tool Run  
Capacity Reduced by 235 MMCFD

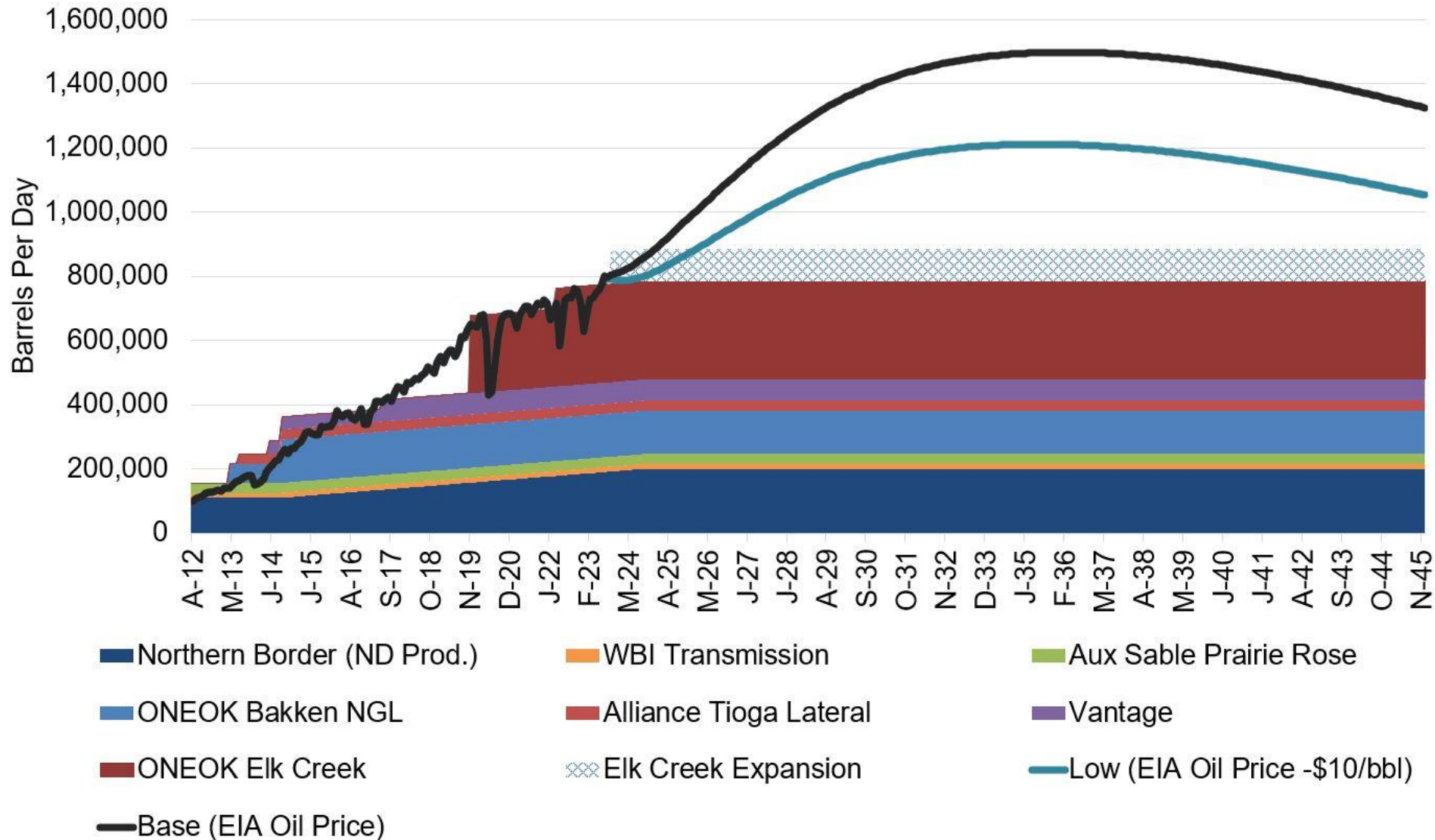
**Sep 15** – Magnetic Flux Leakage  
(MFL) Tool Run (“Smart Pig”)  
Capacity Reduced by 235 MMCFD



# NGL Pipeline & Rail Infrastructure



# NGL Pipeline Takeaway Options\*



# Contact Information

Justin J. Kringstad, Director  
North Dakota Pipeline Authority

600 E. Boulevard Ave. Dept. 405  
Bismarck, ND 58505-0840

Phone: (701)220-6227

Fax: (701)328-2820

E-mail: [jjkringstad@ndpipelines.com](mailto:jjkringstad@ndpipelines.com)

Websites:

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

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



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

