



June 2023 Monthly Update  
North Dakota Pipeline Authority  
Justin J. Kringstad  
June 13, 2023

# US Williston Basin Oil Production - 2022

MONTH	ND	Eastern MT*	SD	TOTAL
January	1,091,931	51,895	2,709	1,146,535
February	1,095,503	51,165	2,742	1,149,410
March	1,129,936	54,580	2,709	1,187,225
April	908,697	54,118	2,338	965,153
May	1,062,228	53,276	2,648	1,118,152
June	1,099,366	63,262	2,764	1,165,392
July	1,073,624	60,604	2,774	1,137,002
August	1,075,801	60,526	2,756	1,139,083
September	1,126,138	58,096	2,679	1,186,913
October	1,122,122	54,260	2,621	1,179,003
November	1,098,415	57,715	2,682	1,158,812
December	957,864	56,721	2,199	1,016,784

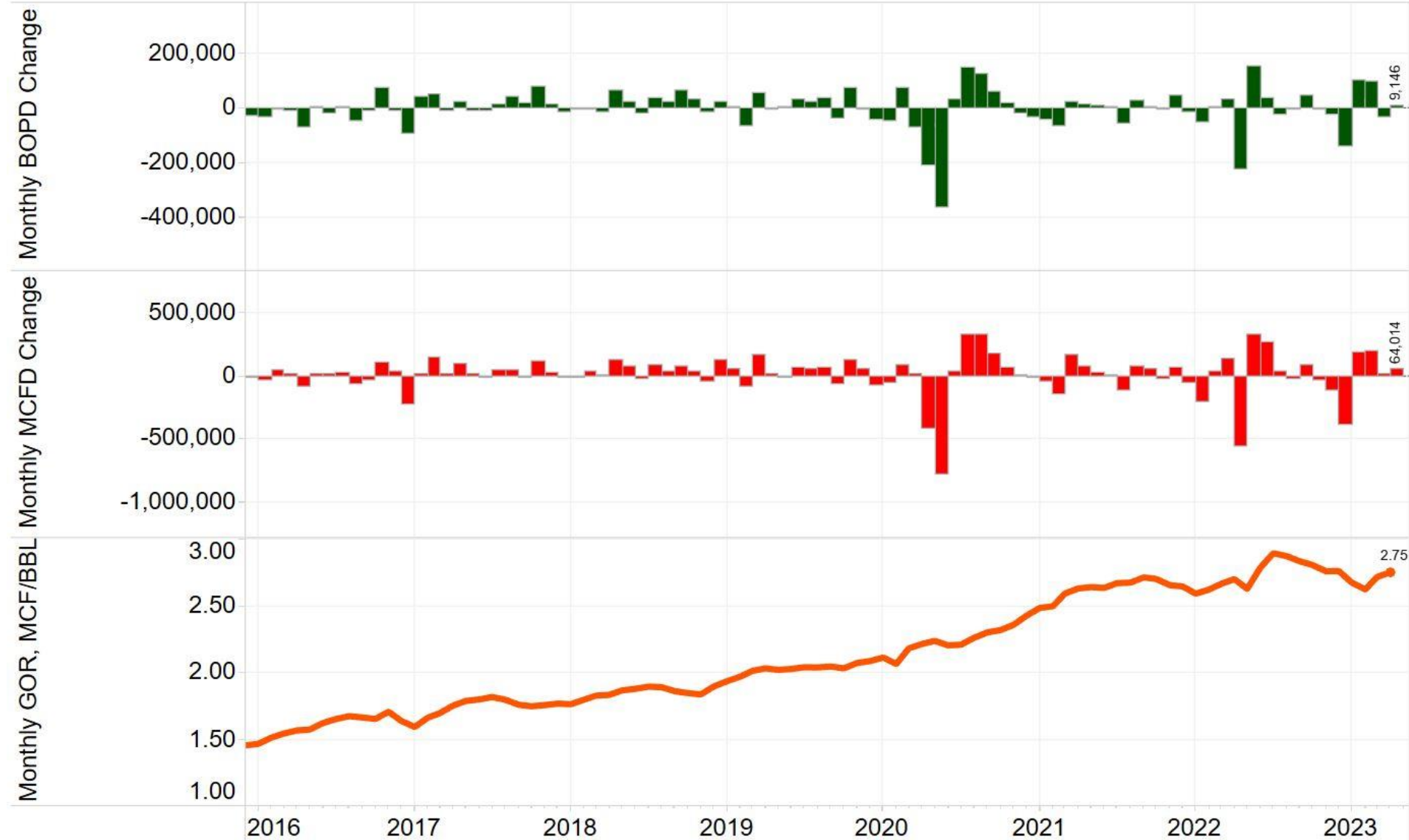


# US Williston Basin Oil Production - 2023

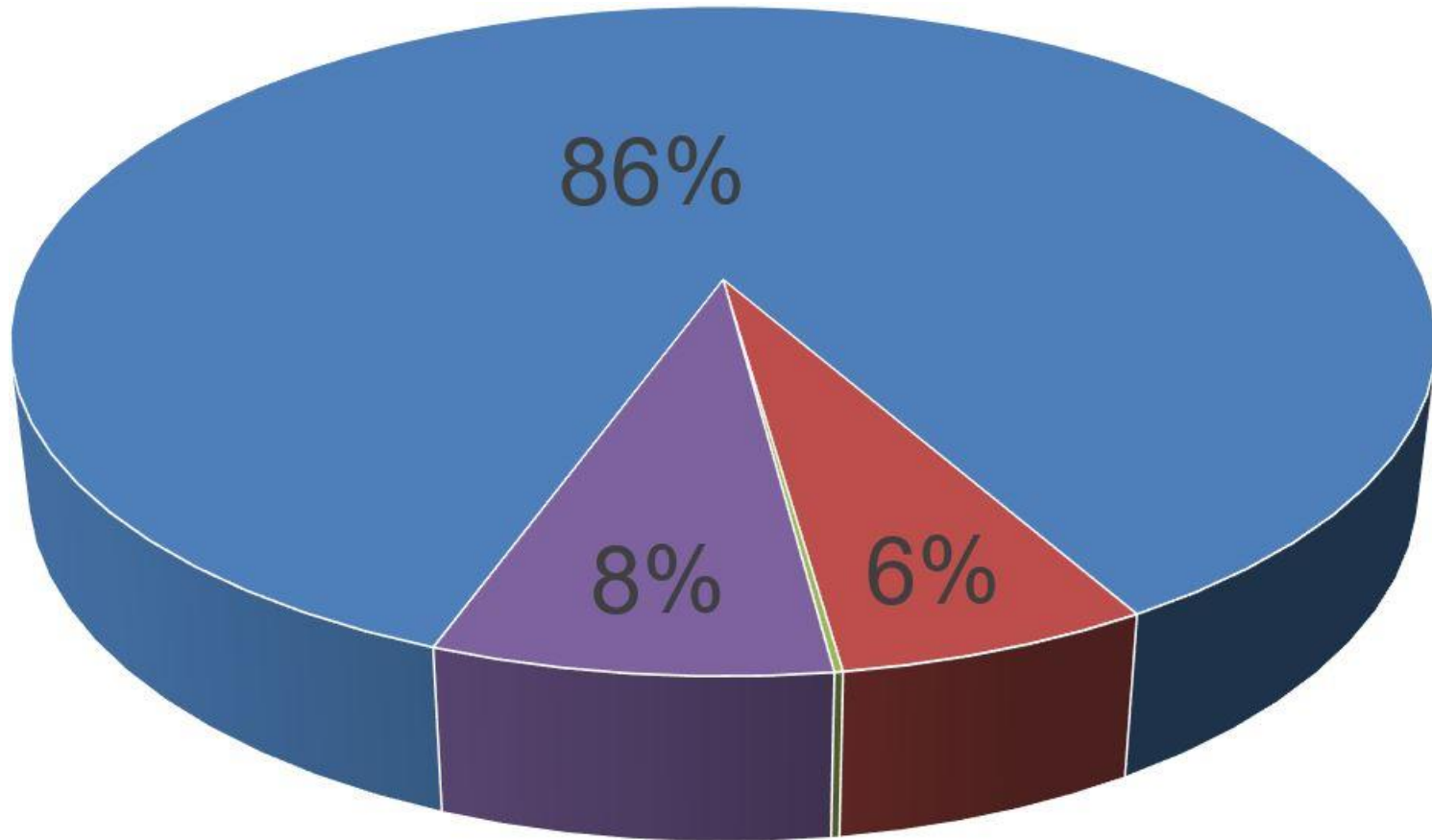
<b>MONTH</b>	<b>ND</b>	<b>Eastern MT*</b>	<b>SD</b>	<b>TOTAL</b>
January	1,061,106	61,967	2,610	1,125,683
February	1,158,837	63,242	2,475	1,224,554
March	1,124,289	63,776	2,652	1,190,716
April	1,133,435			
May				
June				
July				
August				
September				
October				
November				
December				



# North Dakota Monthly Production Change



# Estimated Williston Basin Oil Transportation



■ Pipeline Export

0%

■ Refined

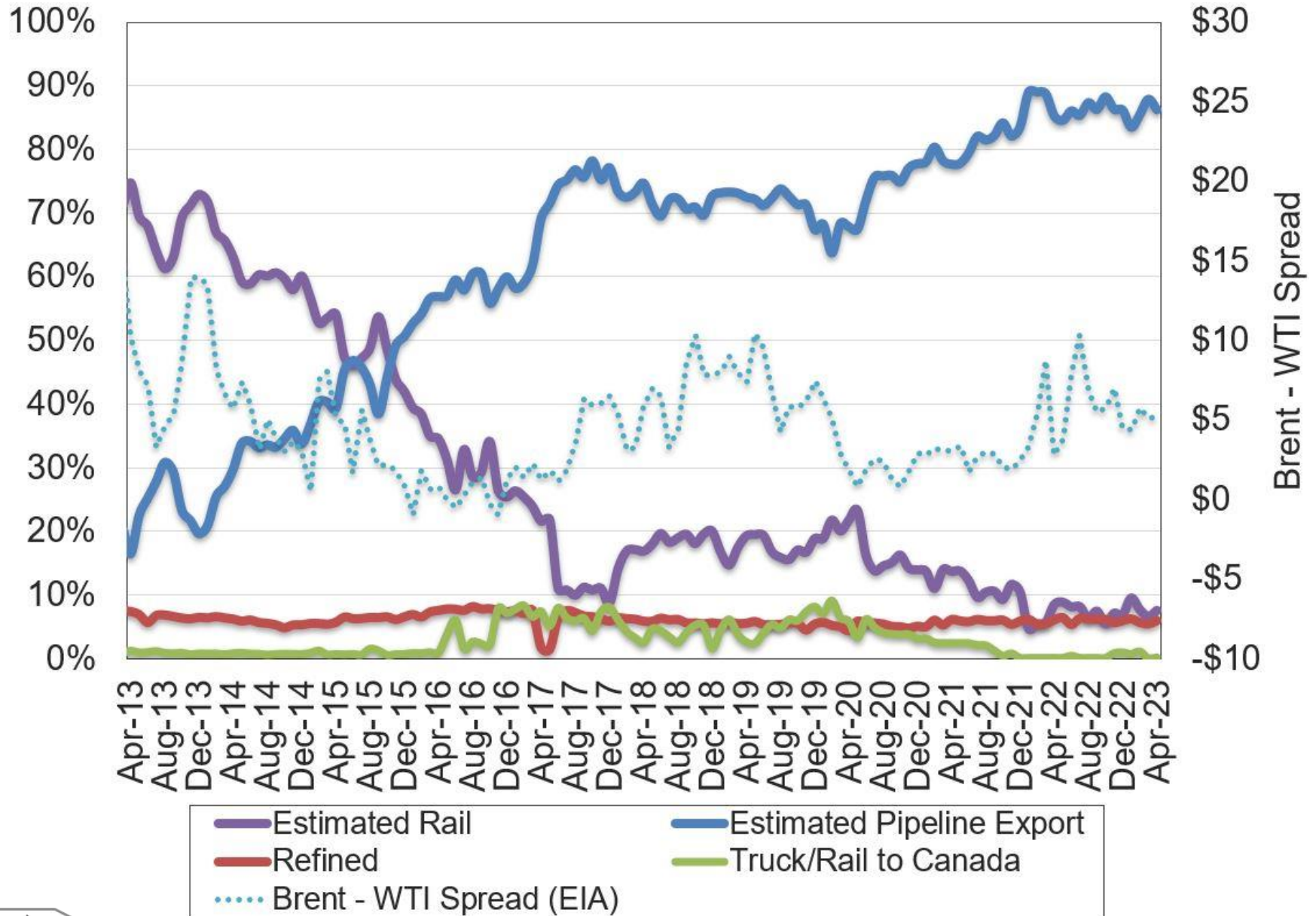
■ Truck/Rail to Canada

■ Estimated Rail

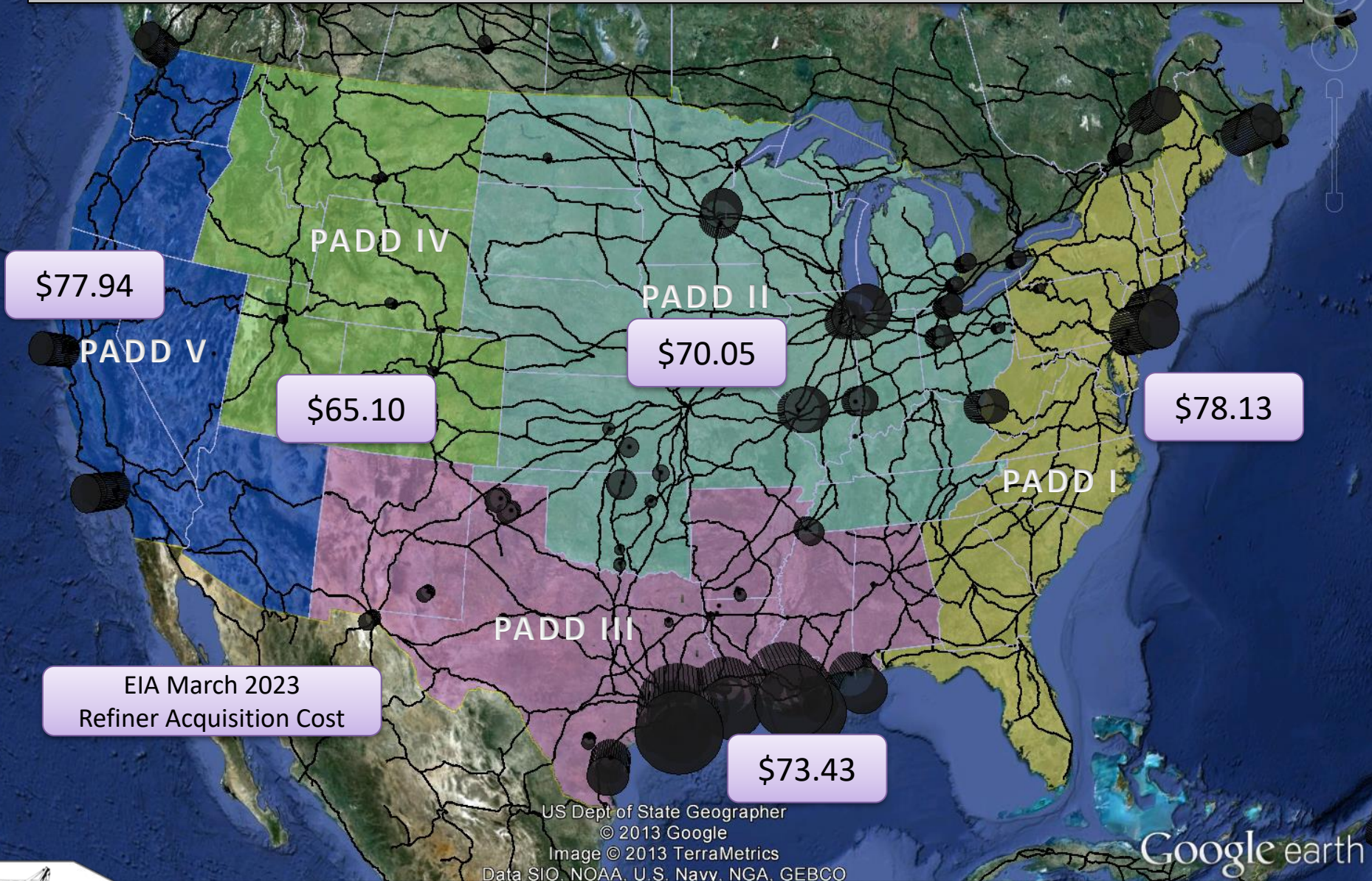
April 2023



# Estimated Williston Basin Oil Transportation



# Major Rail Lines and Refineries

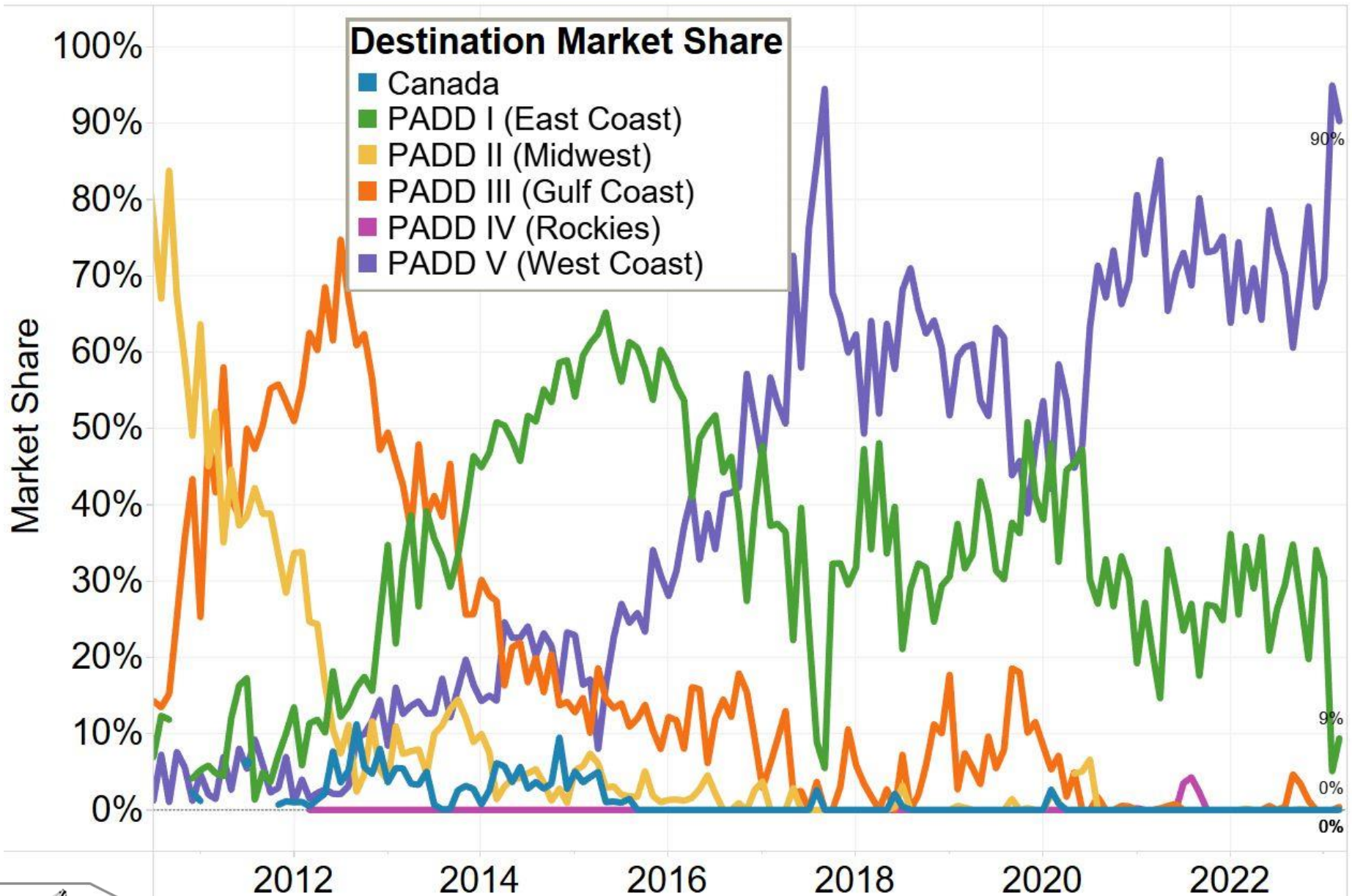


# Estimated ND Rail Export Volumes

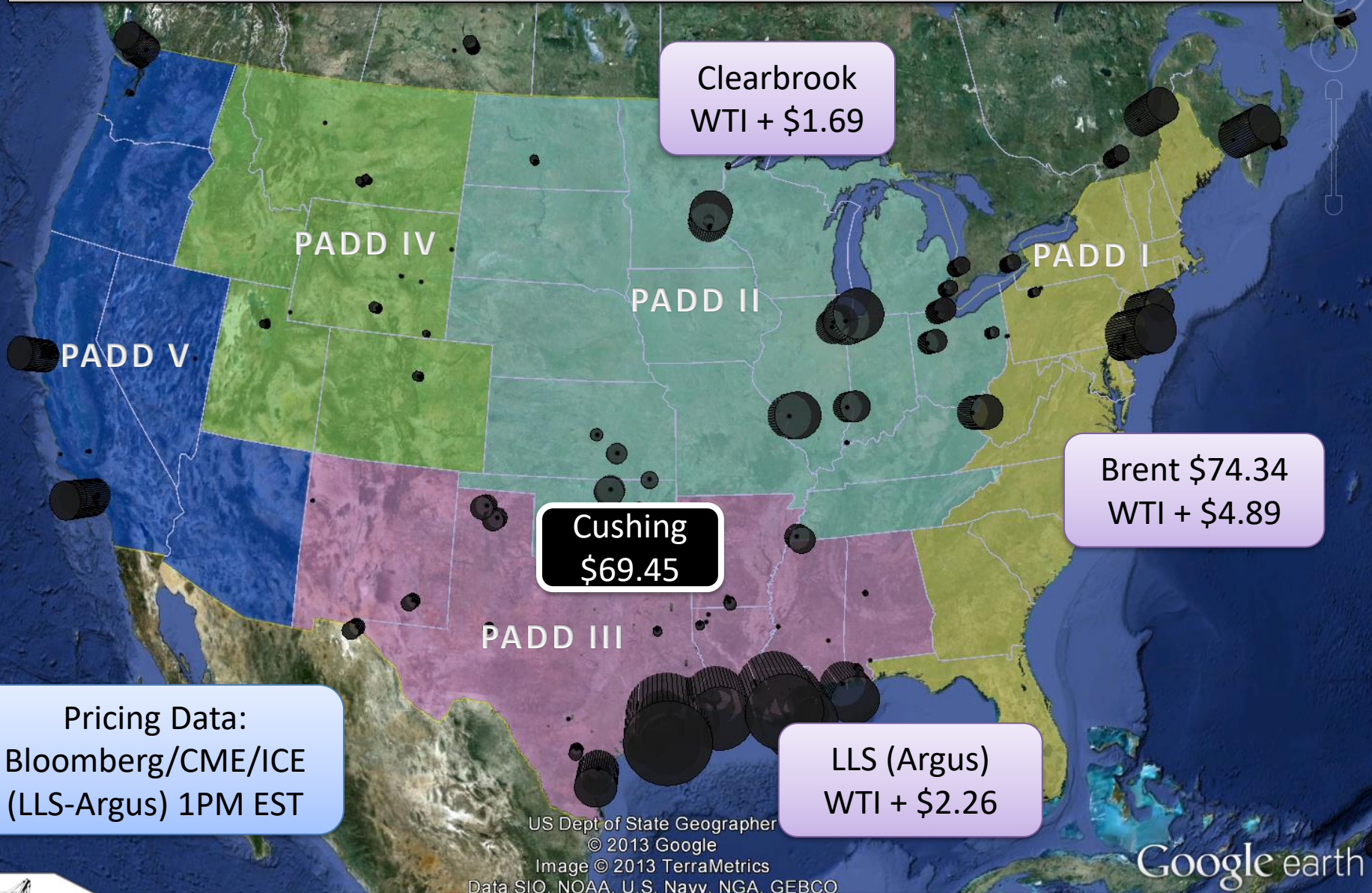




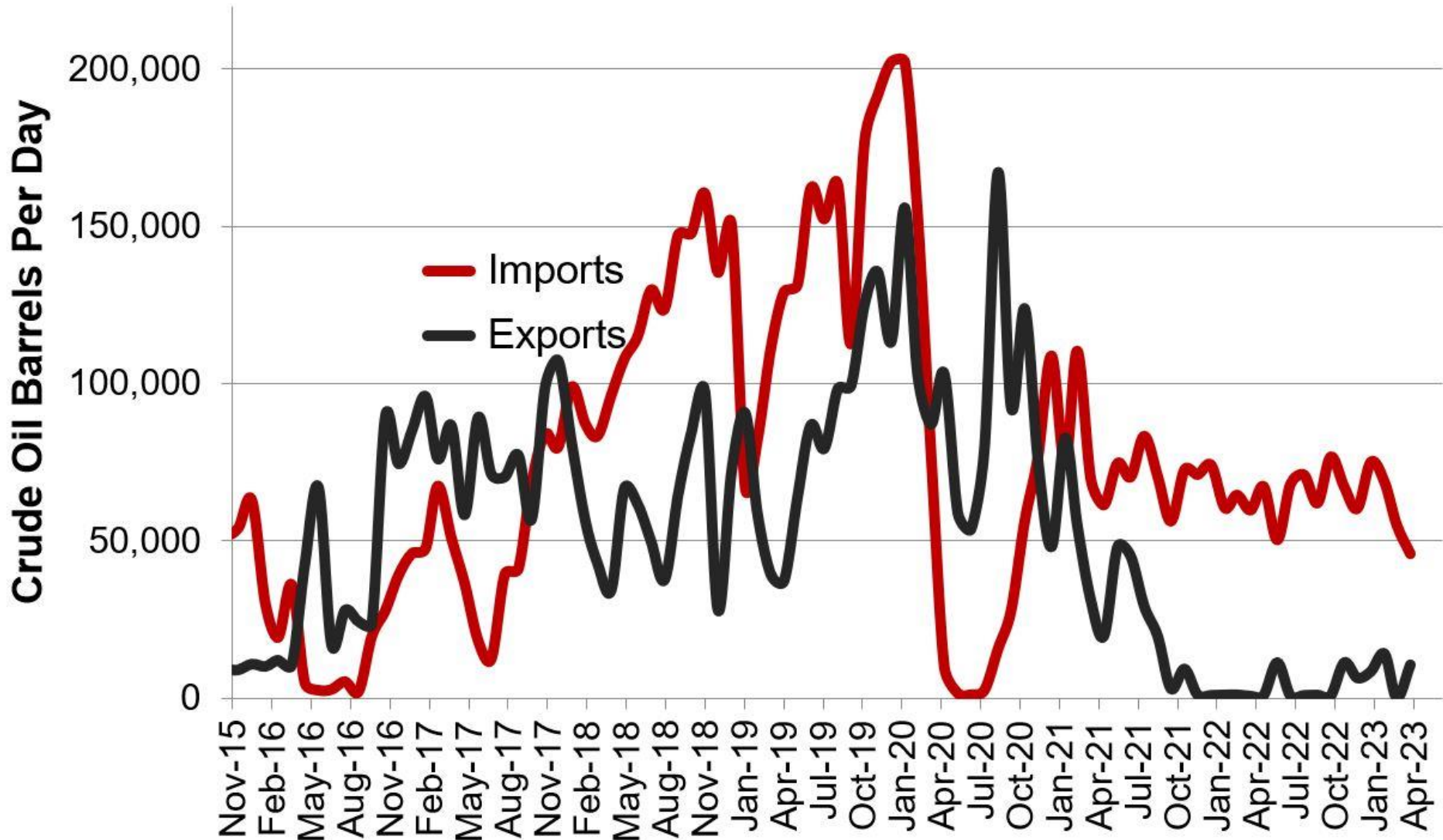
# Rail Destinations Market Share (Mar. 2023)



# Crude Oil Prices – June 13, 2023



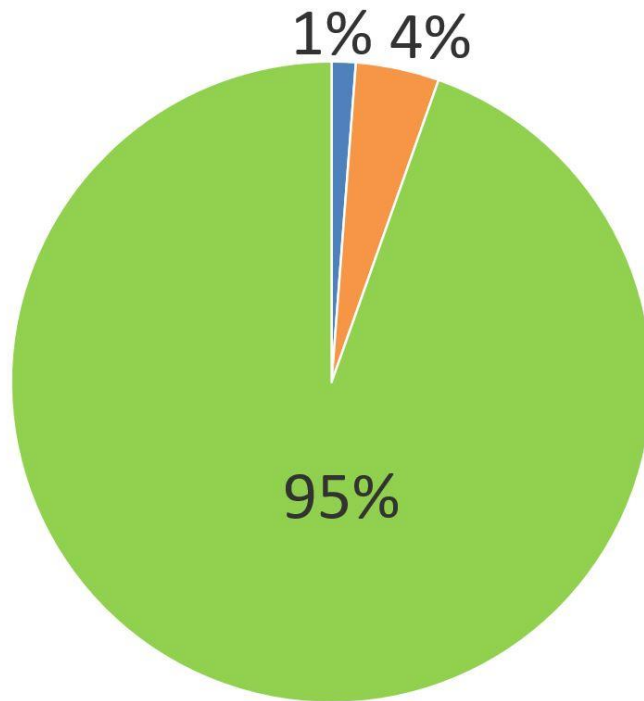
# Williston Basin Truck/Rail Imports and Exports with Canada



*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.

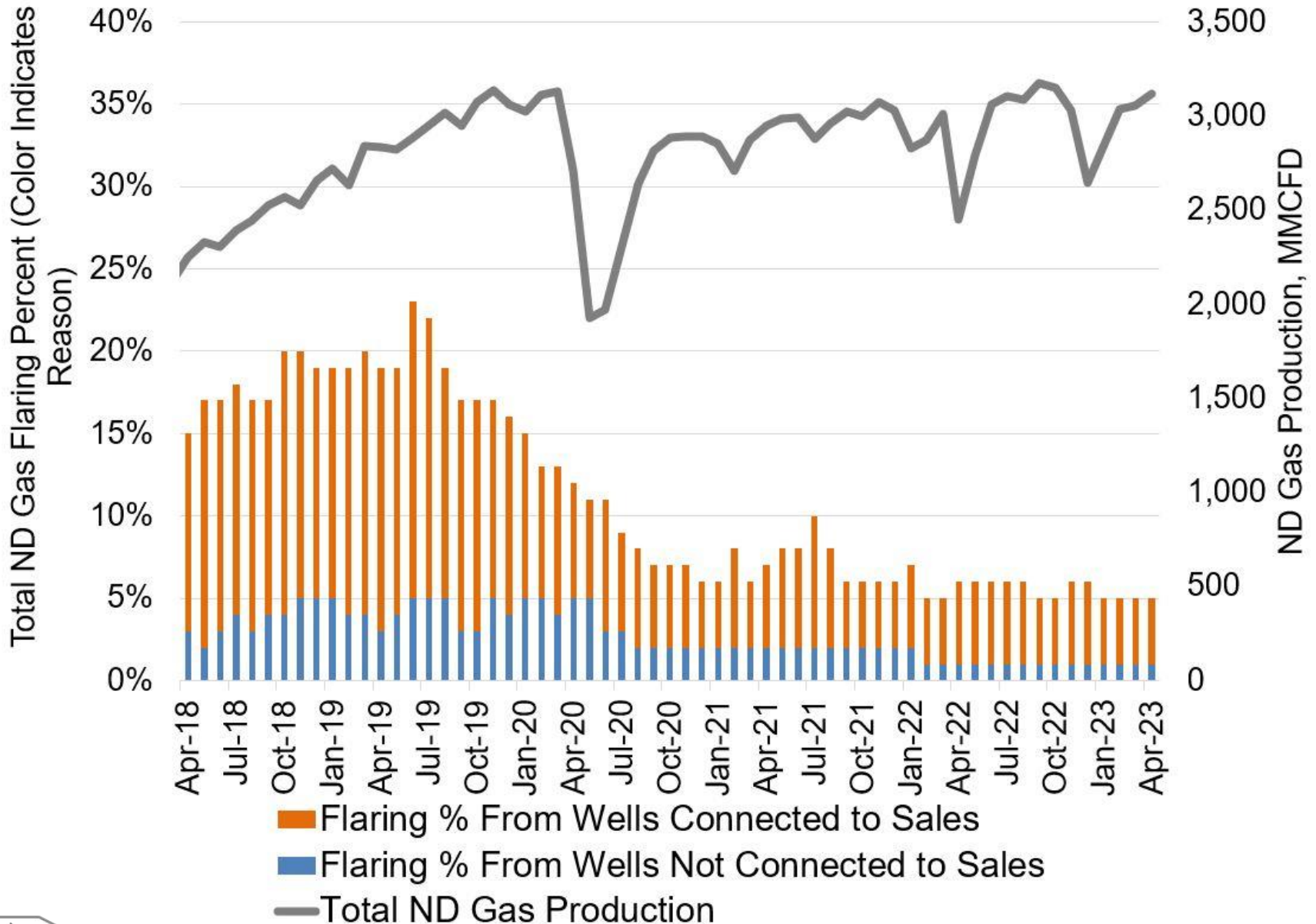
## Simple Terms

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

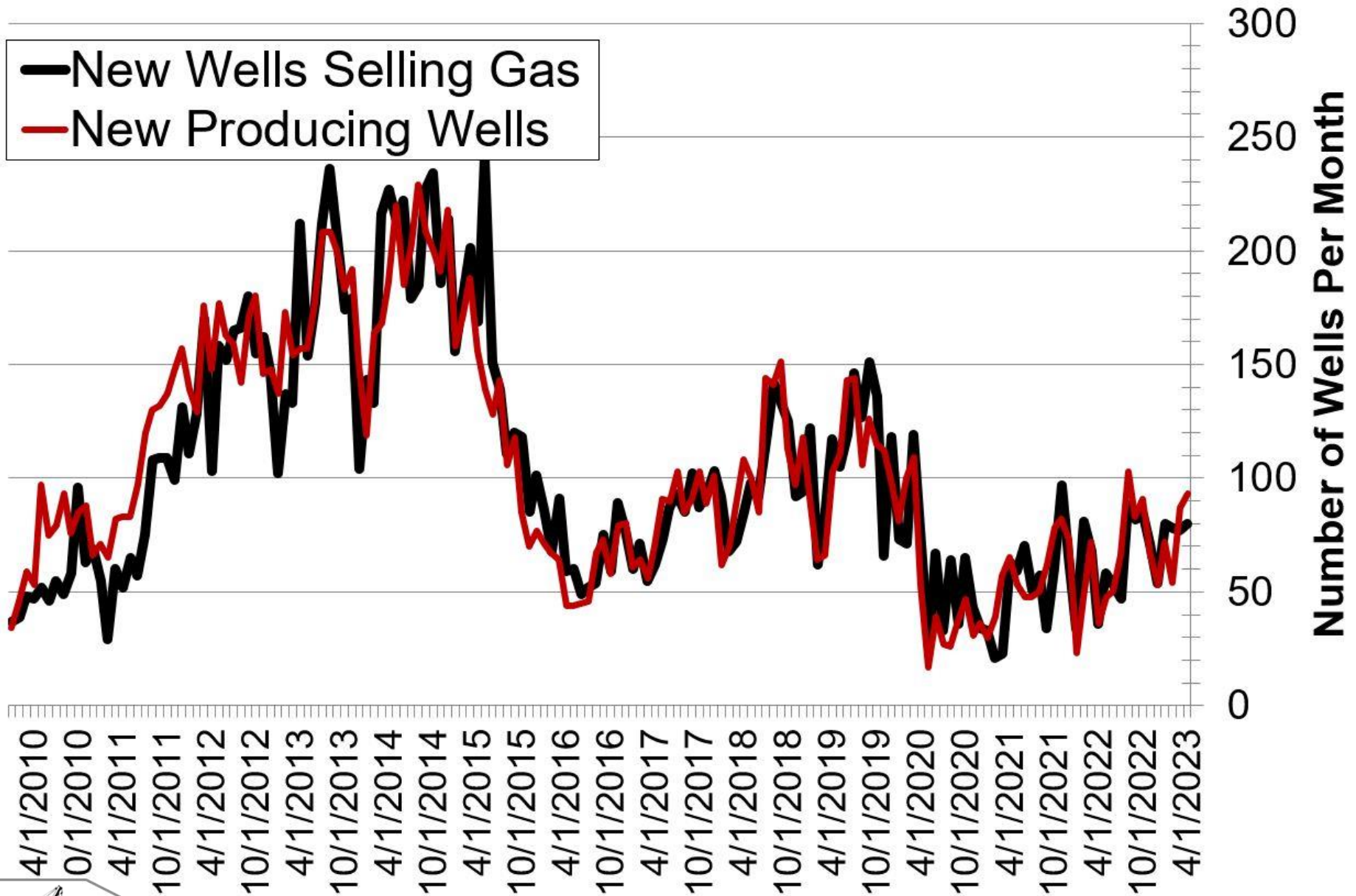
April 2023 Data – Non-Confidential Wells



# Solving the Flaring Challenge

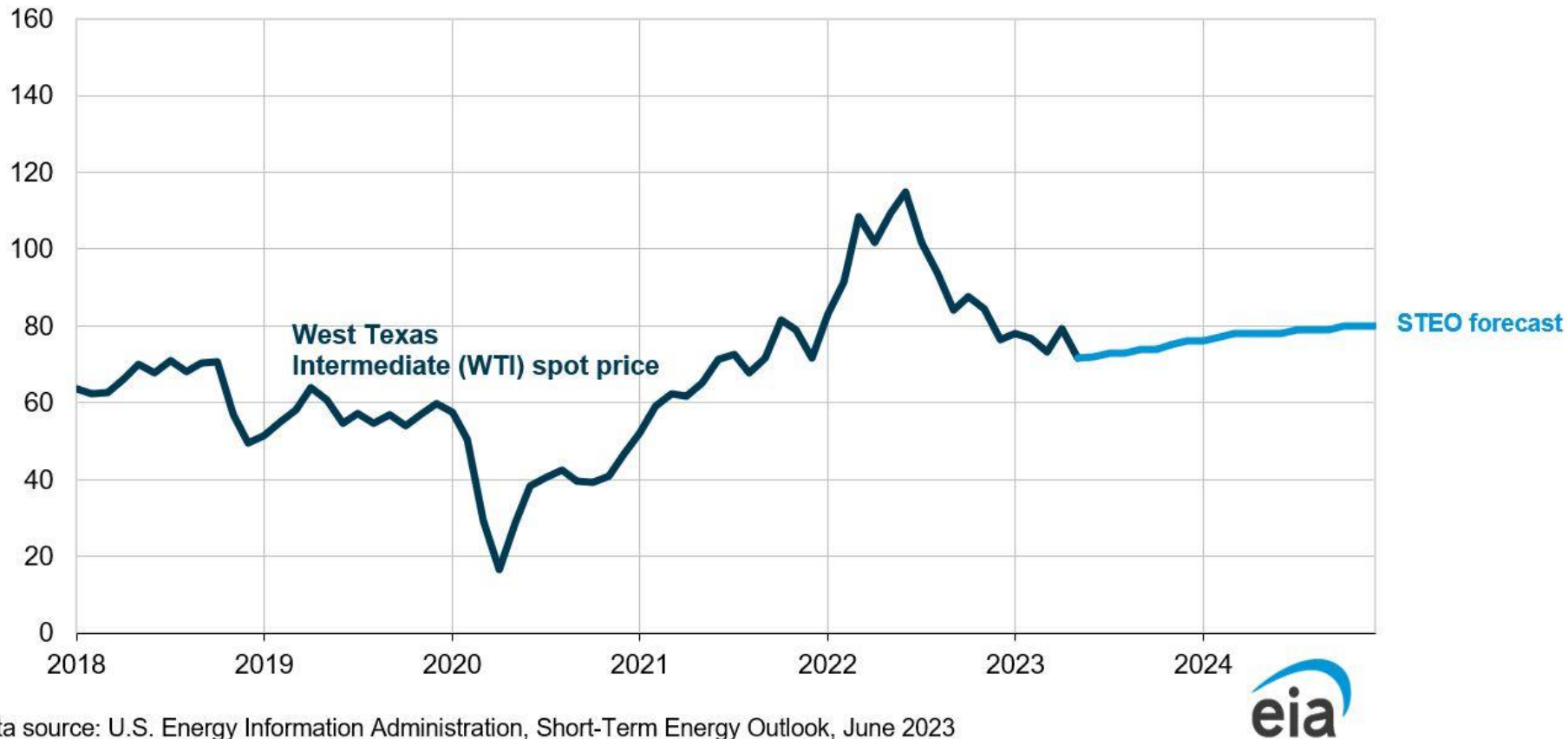


# Solving the Flaring Challenge



# EIA Oil Price Forecast: June 2023

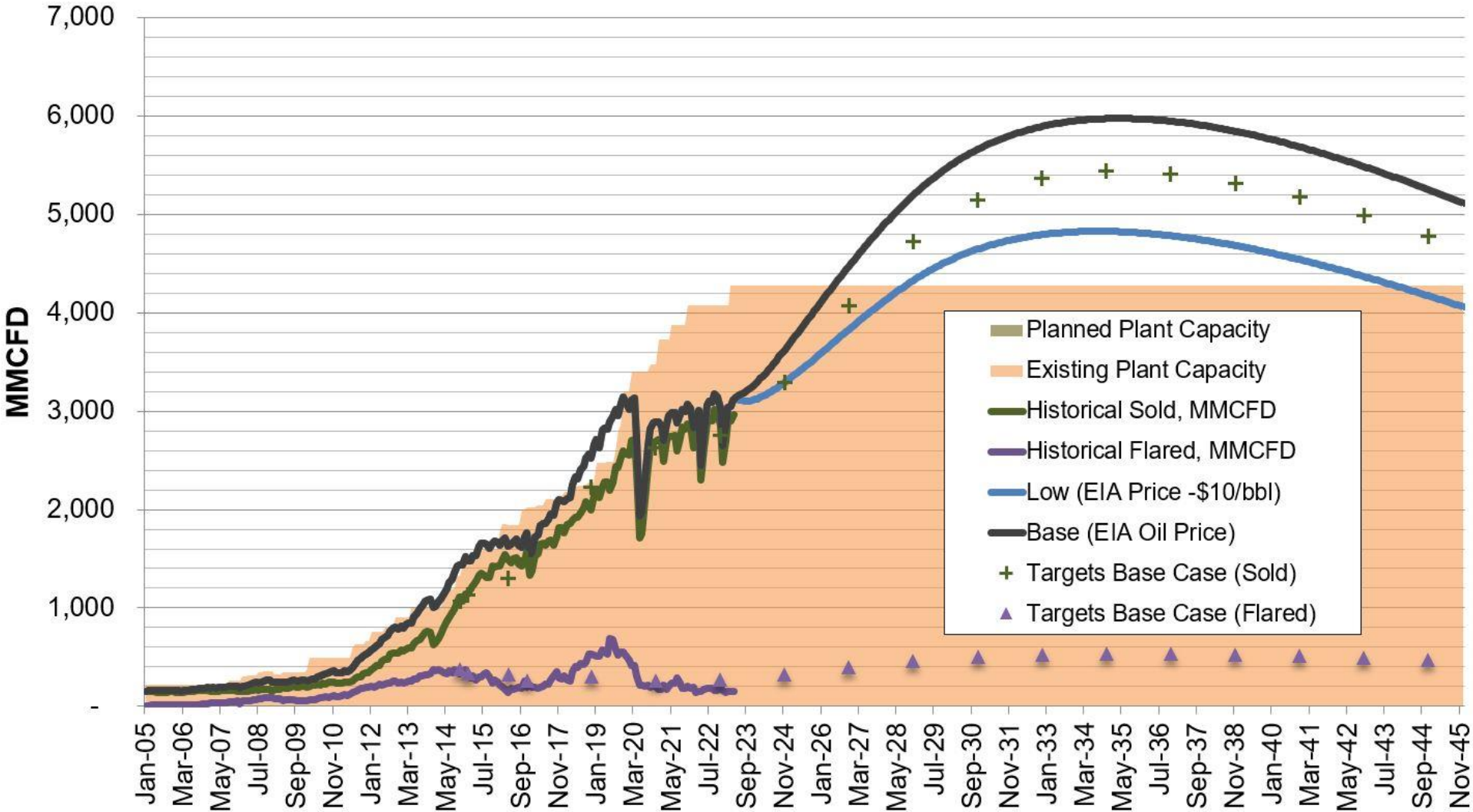
## West Texas Intermediate (WTI) crude oil price dollars per barrel



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

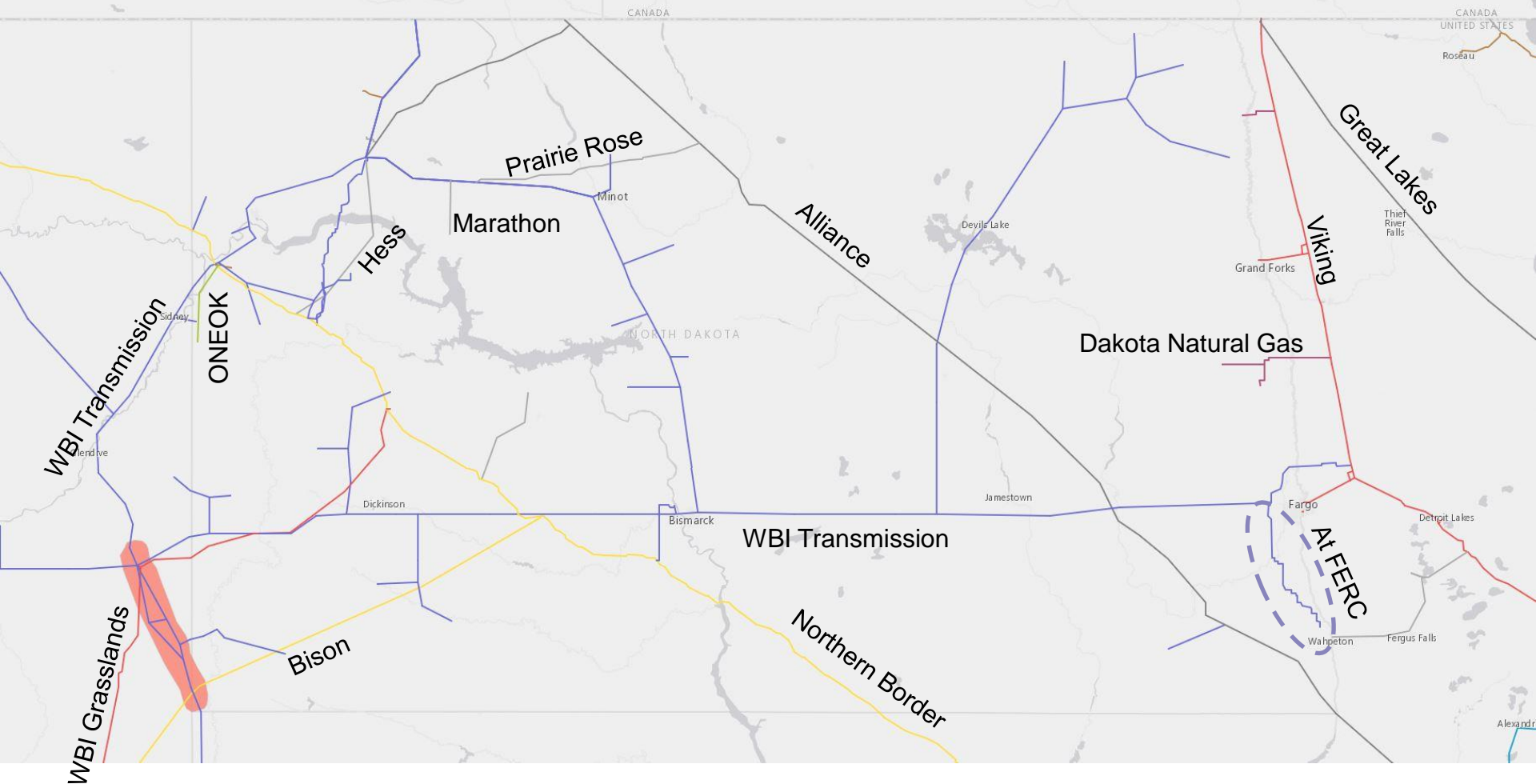


# Solving the Flaring Challenge

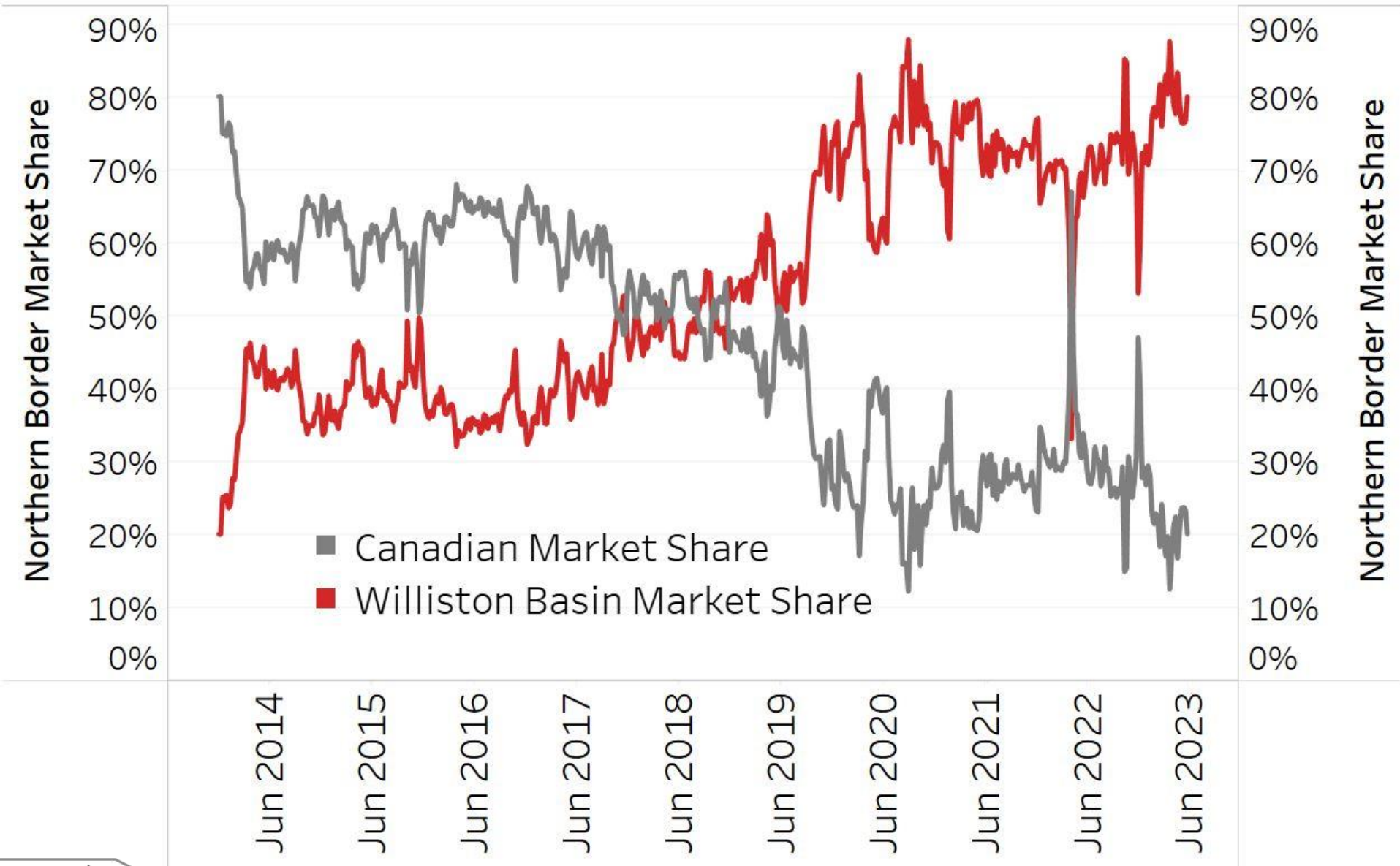




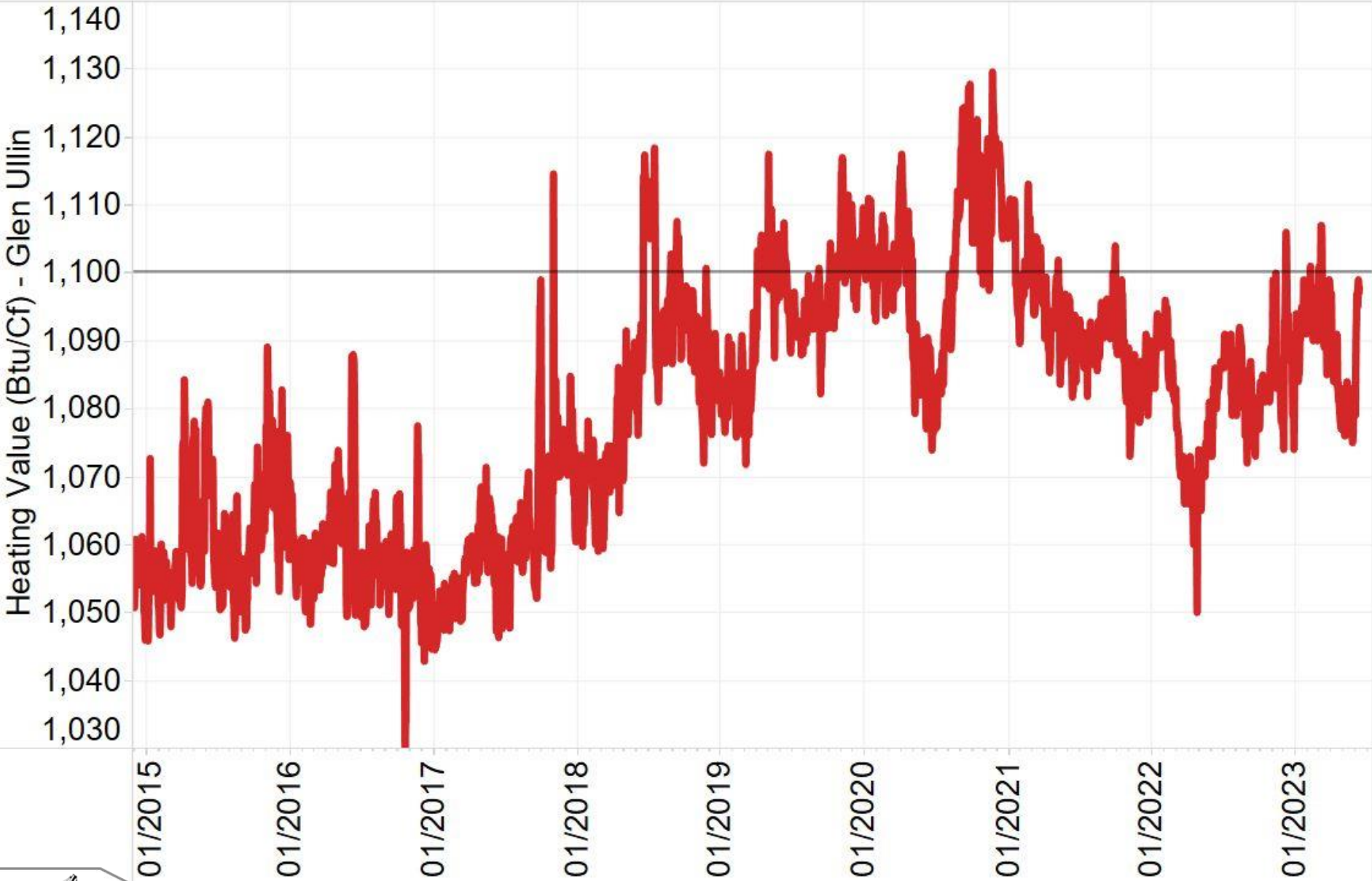
# Bakken Natural Gas Infrastructure



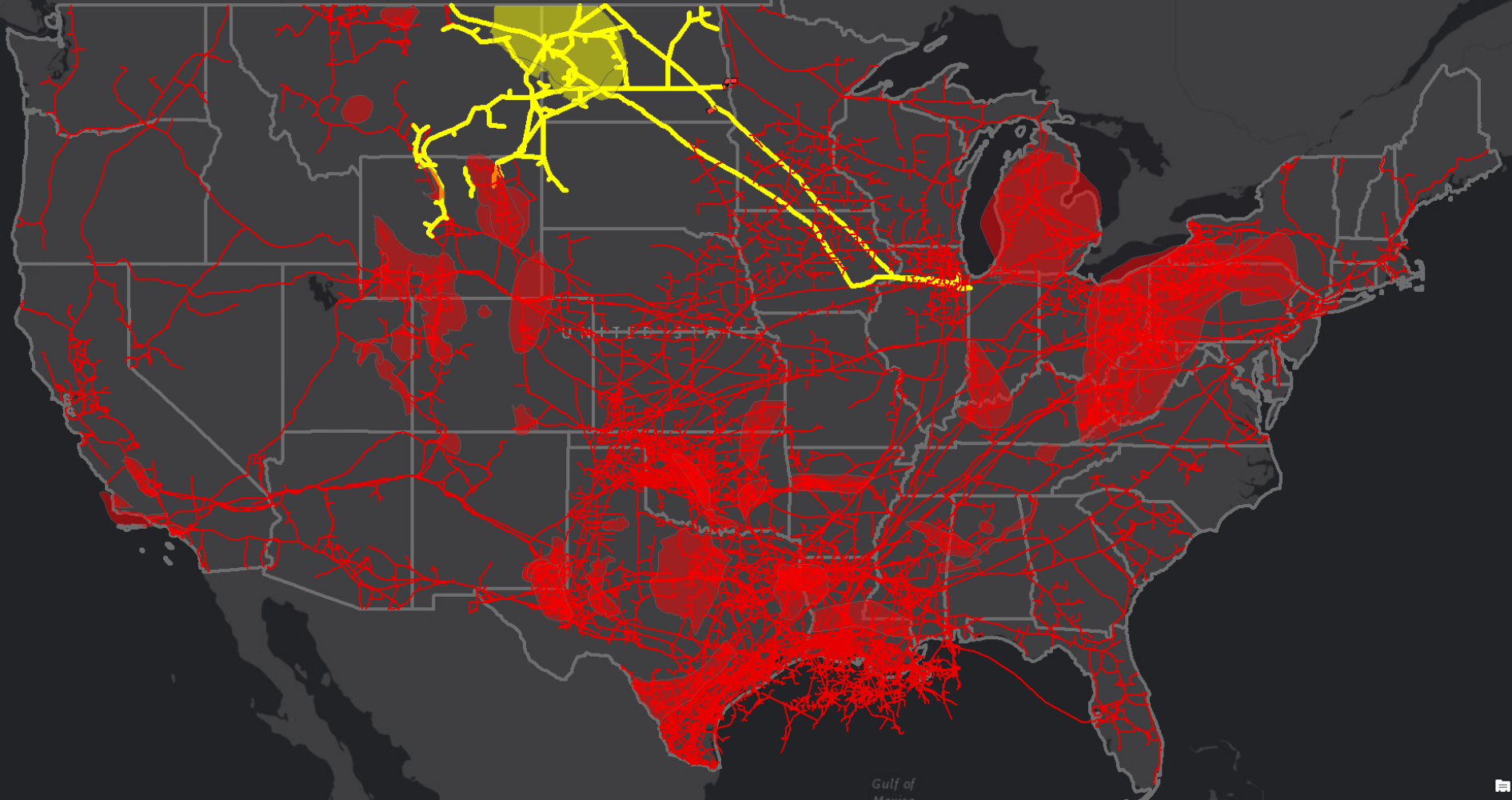
# Northern Border Pipeline Market Share



# Northern Border BTU at Glen Ullin, ND



# Bakken Natural Gas Infrastructure



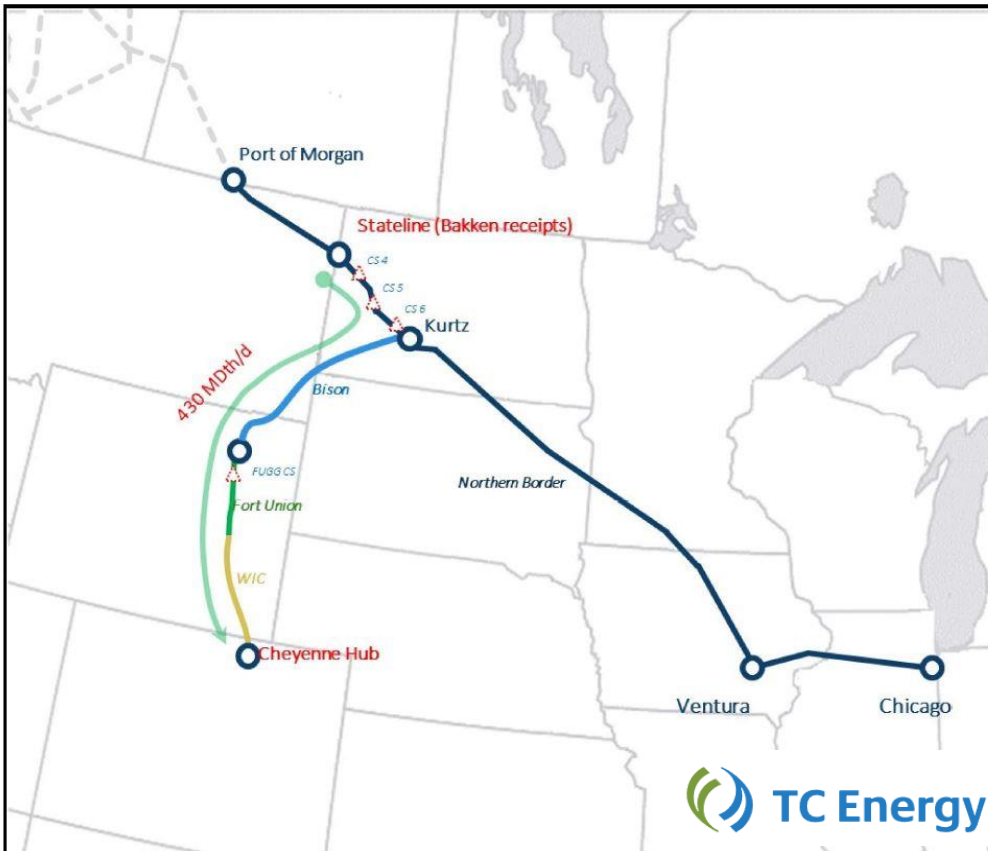
# TC Energy / Kinder Morgan: Bakken xPress Project

## Project Highlights

- Non-binding open season April 4 - May 6, 2022
- Binding Open Season: June 1-30, 2023
- Three compressor upgrades in North Dakota
- Reverse the idle Bison Pipeline (30" – 302 Mile)
- Capacity 430,000 Dth/Day
- March 2026 targeted in-service date
- Fort Union Gas Gathering and Wyoming Interstate Company provide further transport to Cheyenne hub.
- Seeking commitments 10yrs or Longer

## Proposed Minimum Recourse Rate

- NBPL/Bison \$0.45/Dth + Fuel/Elec to WIC/FUG Interconnect
- WIC/FUG to Cheyenne \$0.30/Dth + Fuel/Elec
- Anchor Shipper Minimum: 50,000 Dth/Day



# Contact Information

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