

# WBI Energy Transmission



October 2021



# MDU RESOURCES

GROUP, INC.



**MDU Construction  
Services Group, inc.**  
An MDU Resources Company



**KNIFE RIVER**  
AN MDU RESOURCES COMPANY



**WBI ENERGY**  
An MDU Resources Group company



**MONTANA-DAKOTA**  
UTILITIES CO.  
A Subsidiary of MDU Resources Group, Inc.



**CASCADE  
NATURAL GAS**  
CORPORATION<sup>®</sup>  
A Subsidiary of MDU Resources Group, Inc.



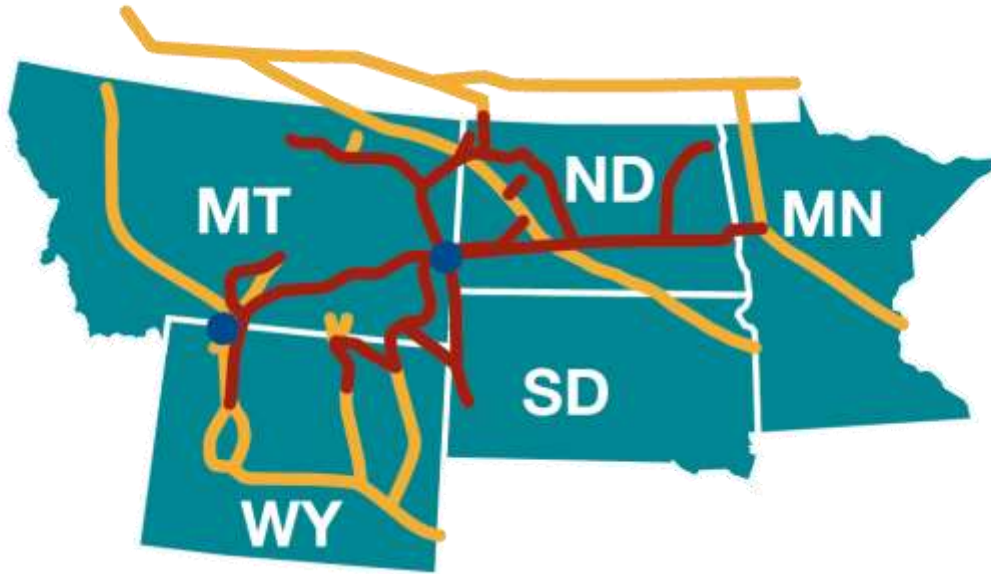
**INTERMOUNTAIN**  
GAS COMPANY<sup>®</sup>  
A Subsidiary of MDU Resources Group, Inc.



**GREAT PLAINS**  
NATURAL GAS CO.  
A Division of Montana-Dakota Utilities Co.

# WBI Energy Operations

- Company storage fields
- States of operations
- Pipeline systems
- Interconnecting pipelines



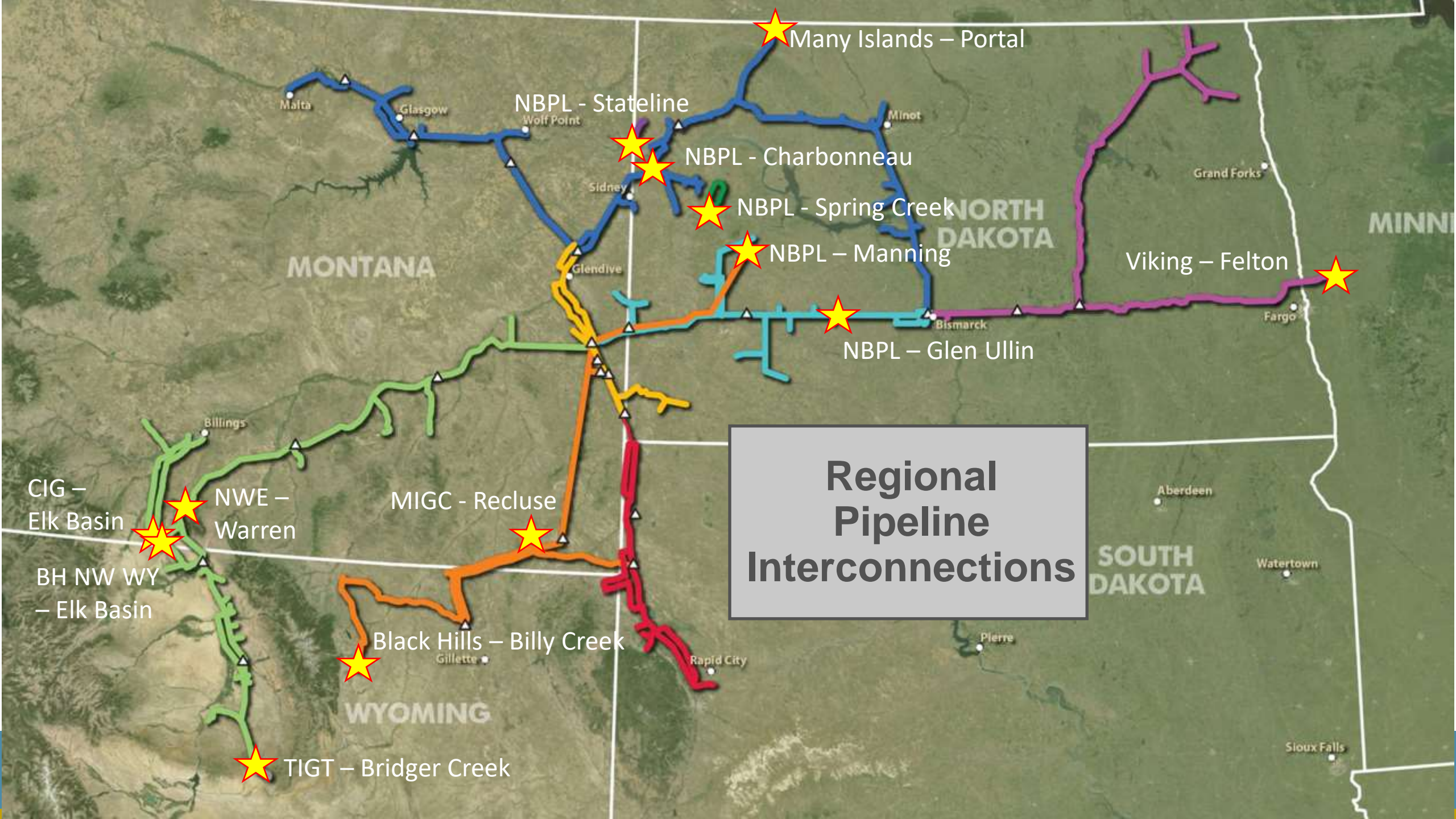
## Transmission (FERC Regulated)

- Over 3,600 miles of pipeline
- 2.2 Bcf / day of system capacity
- 13 interconnecting points
- Storage (193 Bcf working gas capacity)

## Midstream

- Corrosion Protection
- Energy Management





**Regional  
Pipeline  
Interconnections**

**First natural gas well drilled  
on the Cedar Creek Anticline.  
Built a pipeline to transport the gas to Glendive.**



**Built pipelines from  
Baker to Bismarck and  
Glendive to Williston**



**1926**

**1930s**

**Begin gas storage in  
Baker and Billy Creek**

**1940s**

**Built 334-mile line from  
Worland to Cabin Creek;  
purchased Billings system and  
Elk Basin storage; built line  
from Williston to Minot**

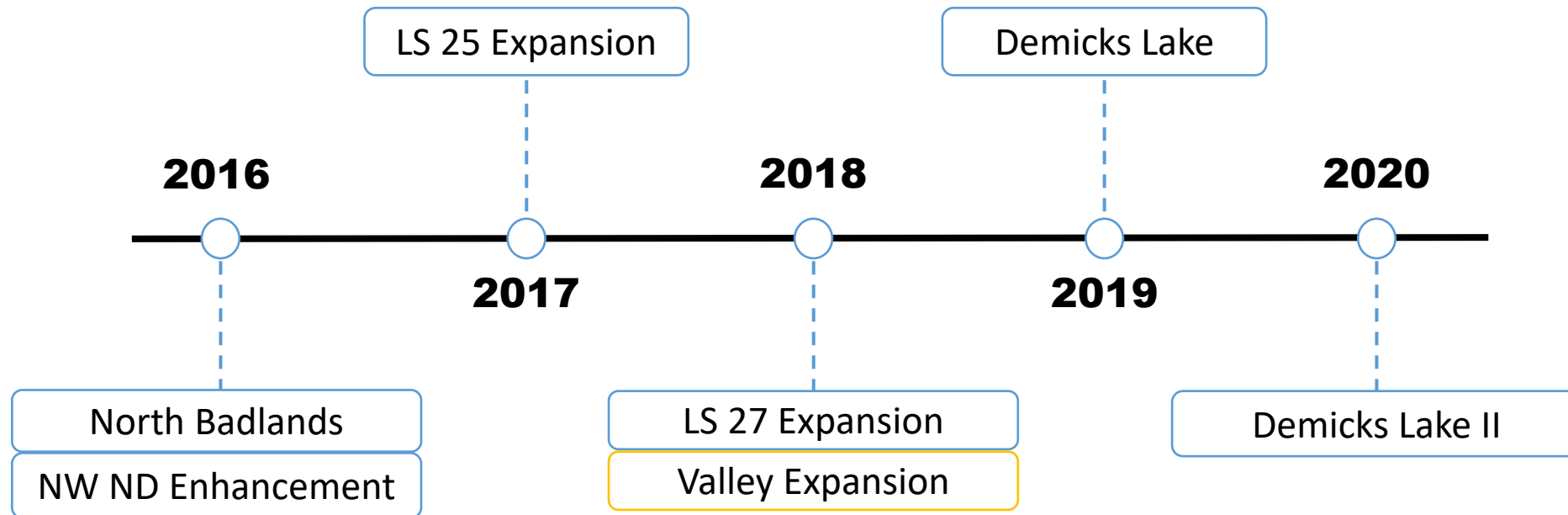
**1950**





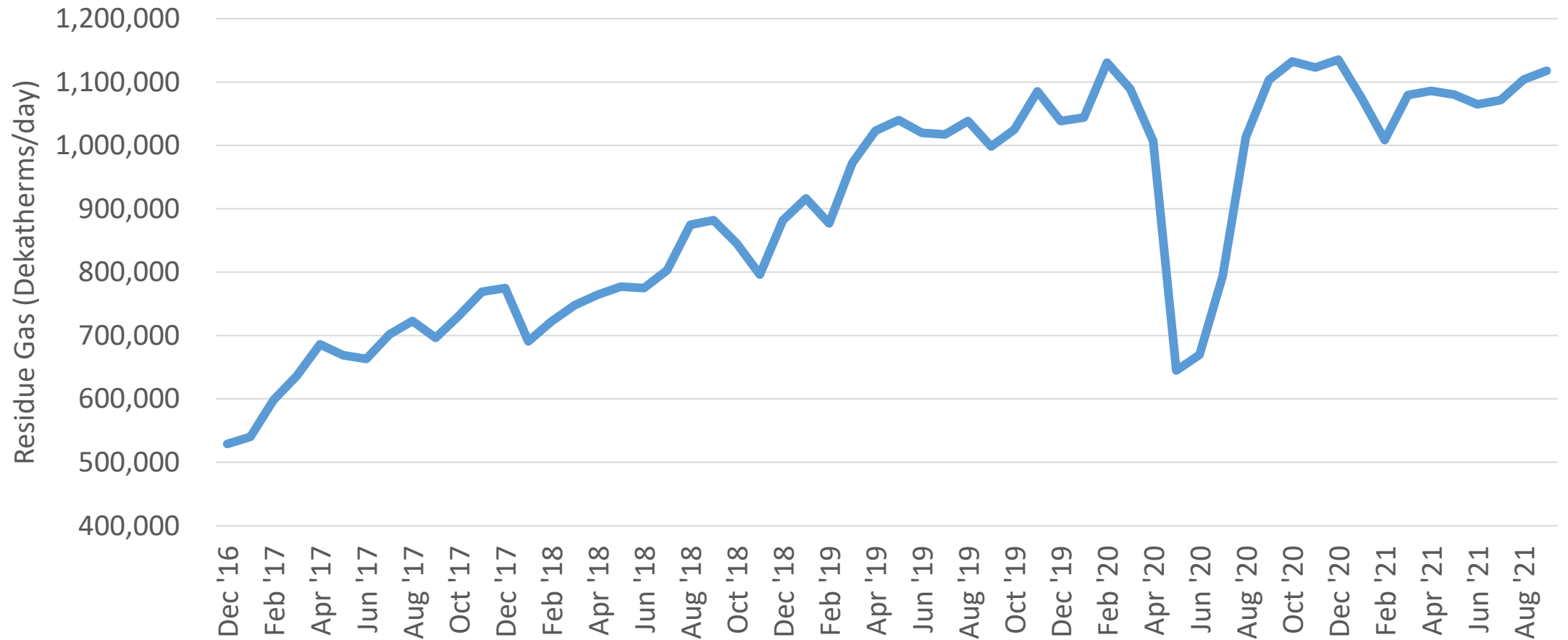


# Recent North Dakota Expansions

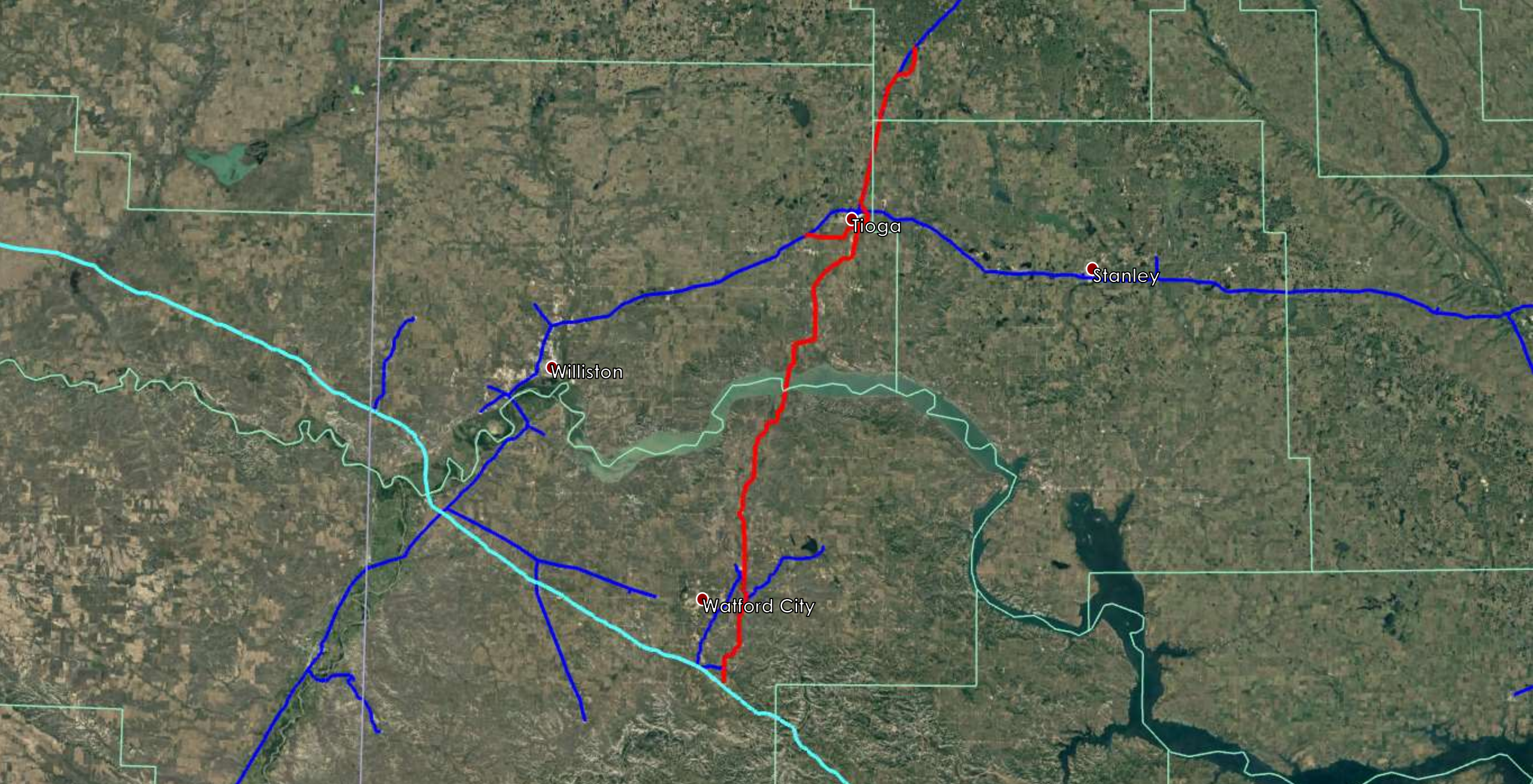




# WBI Energy Bakken Receipt Volumes







# NORTH BAKKEN EXPANSION



# North Bakken Expansion

- **Pipeline Infrastructure**
  - 63 miles of 24-inch diameter pipeline (Tioga south)
  - 20 miles of 12-inch diameter pipeline (Tioga north)
  - 10 miles of 12-inch diameter pipeline (Tioga west)
- **Lake Sakakawea Crossing**
  - 15,393 foot HDD
  - 264 feet below lake at deepest point





# North Bakken Expansion

- **Additional Infrastructure**
  - **Tioga compressor station upgrade**
    - **3 new compressor units**
      - 11,250 hp (3750 hp each)
  - **Elkhorn Creek compressor station**
    - **1 compressor unit**
      - 3,750 hp
  - **Multiple receipt point upgrades**
  - **New interconnect with Northern Border Pipeline**

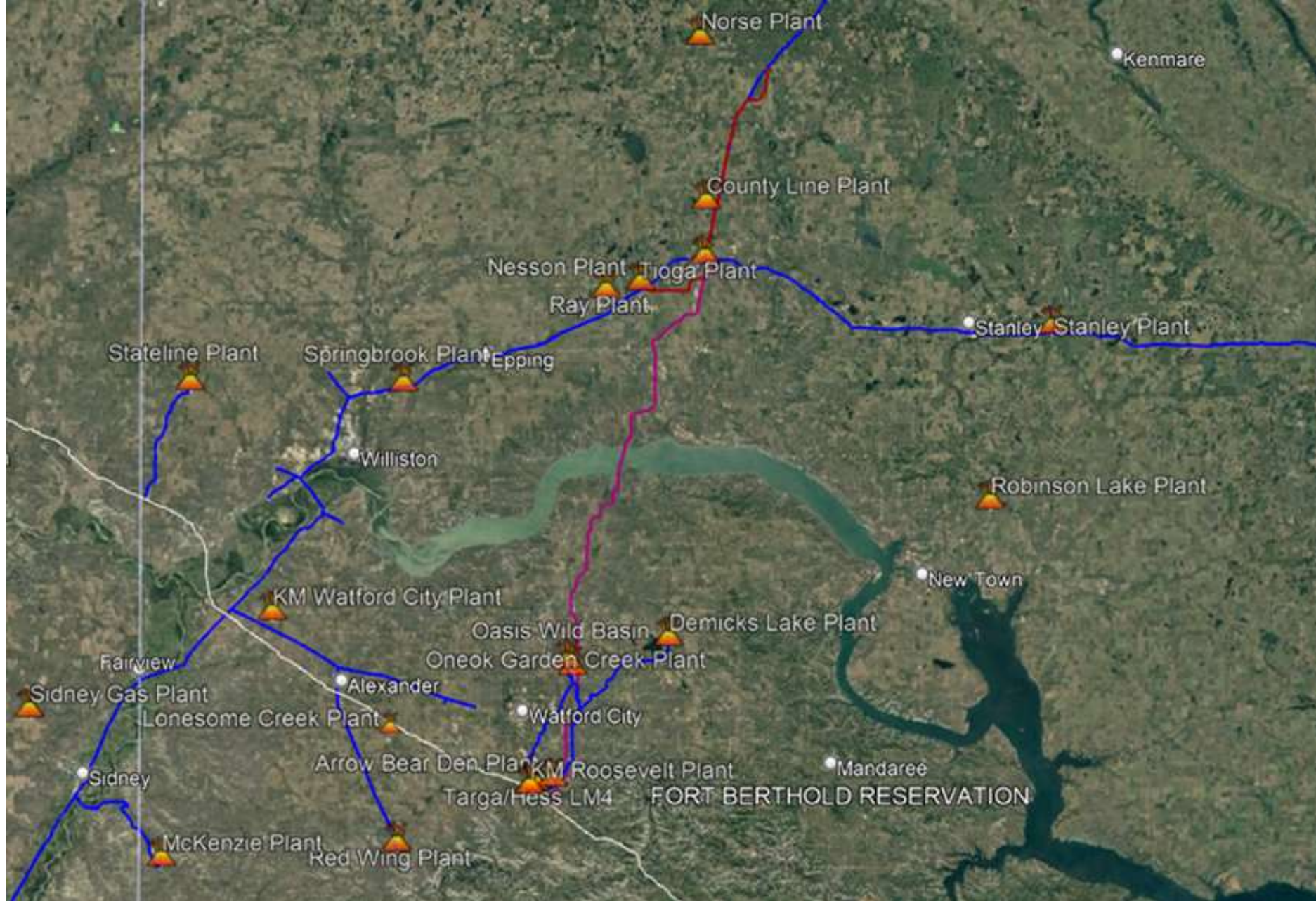


# North Bakken Expansion

- Estimated cost: \$260 million
- Initial capacity: 250,000 Mcfd (with potential to expand)
- Construction began in July 2021
- Targeting completion in late December 2021







# NORTH BAKKEN EXPANSION





# WAHPETON EXPANSION

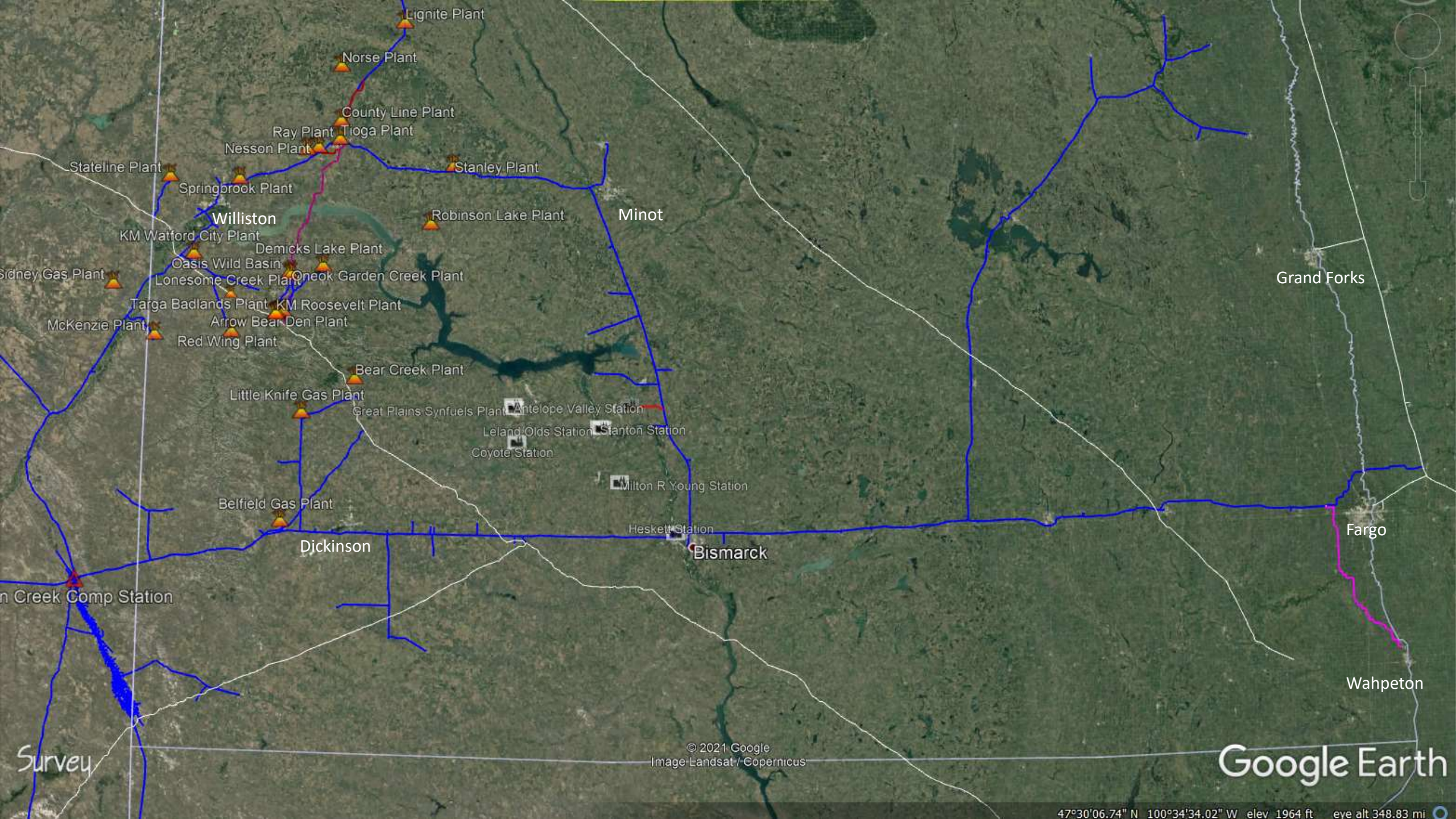


# Wahpeton Expansion

- Infrastructure
  - 60 miles of 12-inch diameter pipeline
  - New delivery station at Wahpeton
  - New delivery station at Kindred
- Initial capacity of 20,000 Mcfd (with potential to expand)
- Estimated in-service date of November 1, 2024









# Questions

