

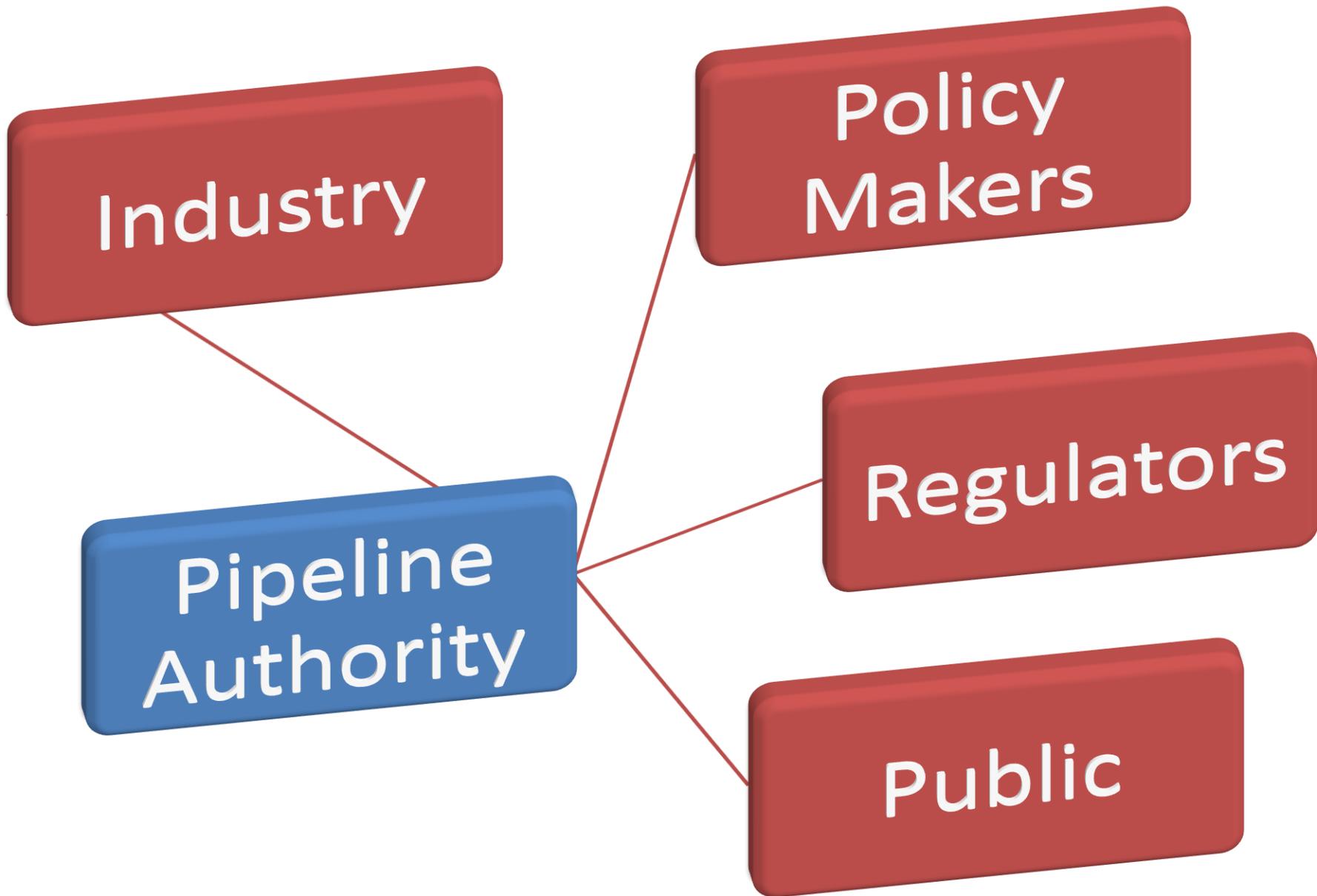


North Dakota Pipeline Authority

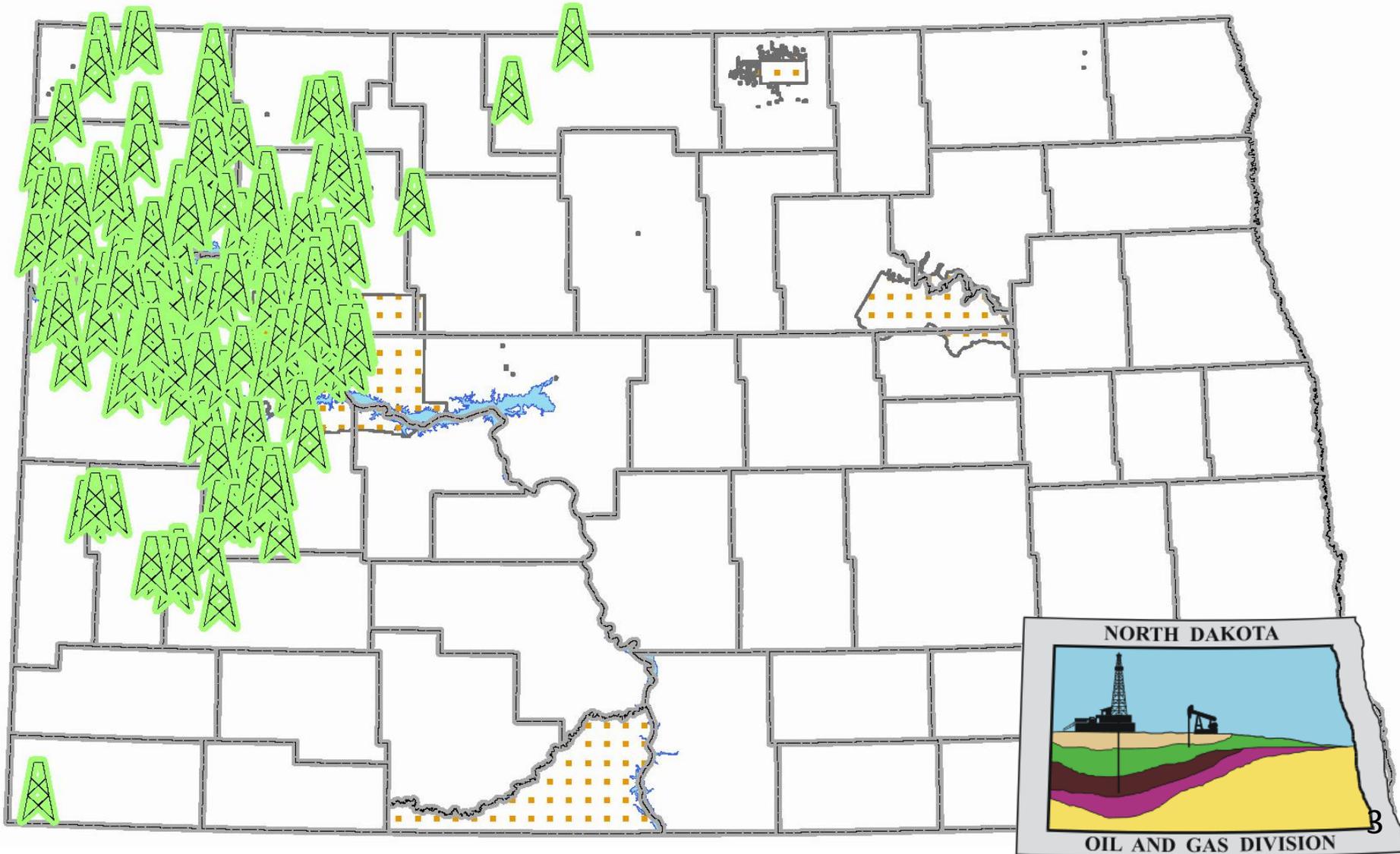
Justin J. Kringstad

June 28, 2011

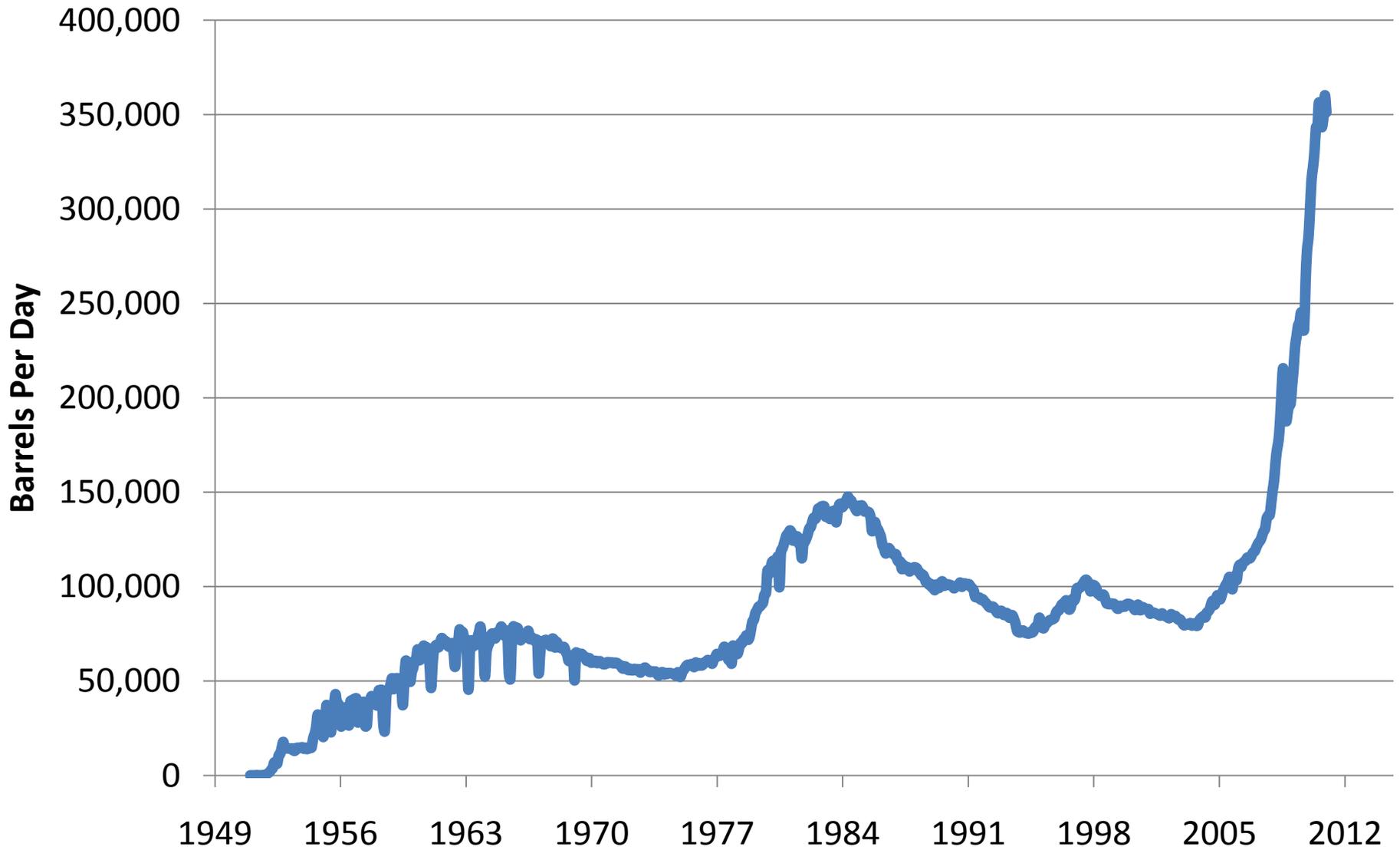
IOGCC 2011 Midyear Meeting – Bismarck, ND



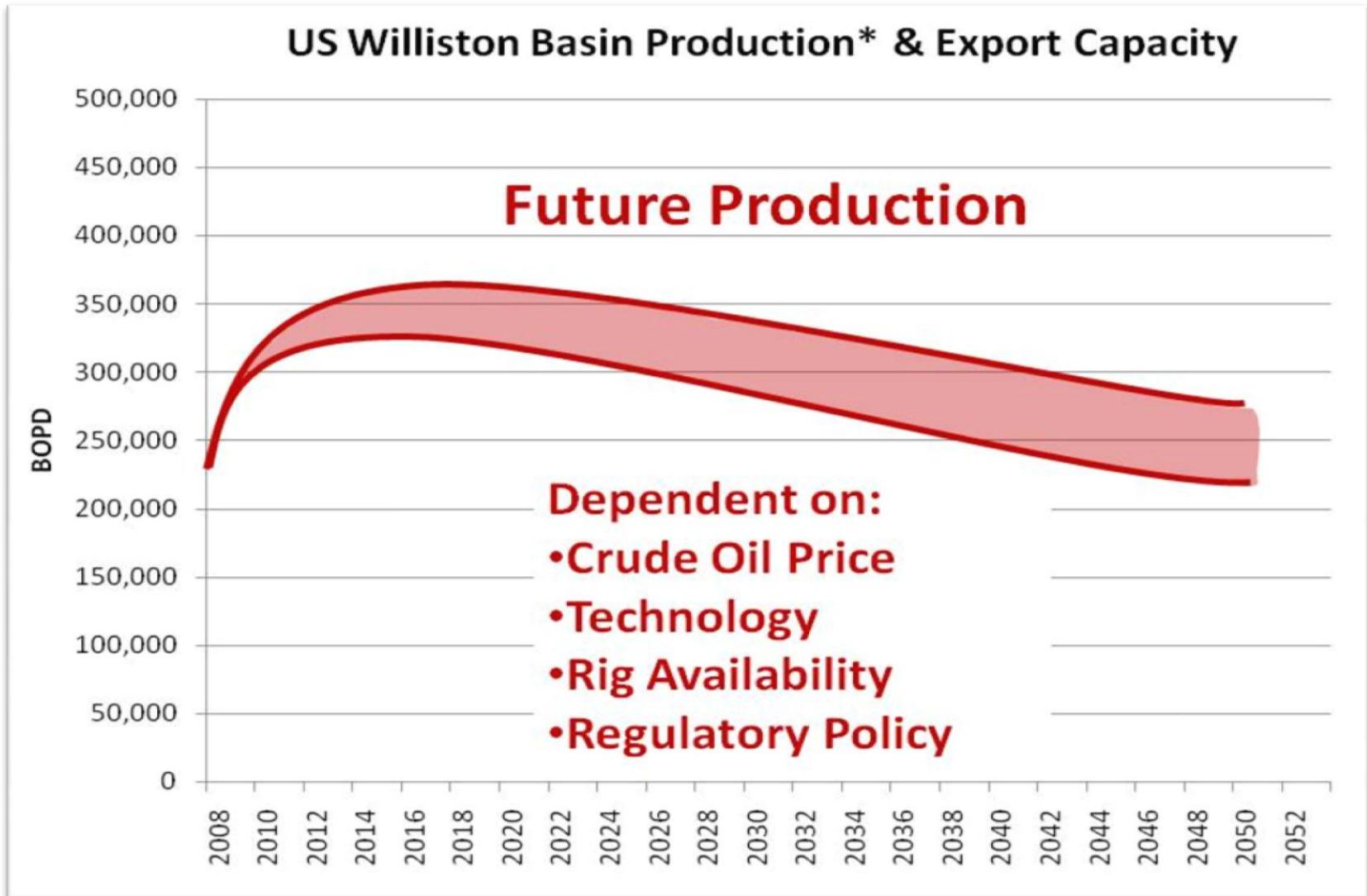
June 28, 2011: 170 Drilling Rigs



North Dakota Crude Oil

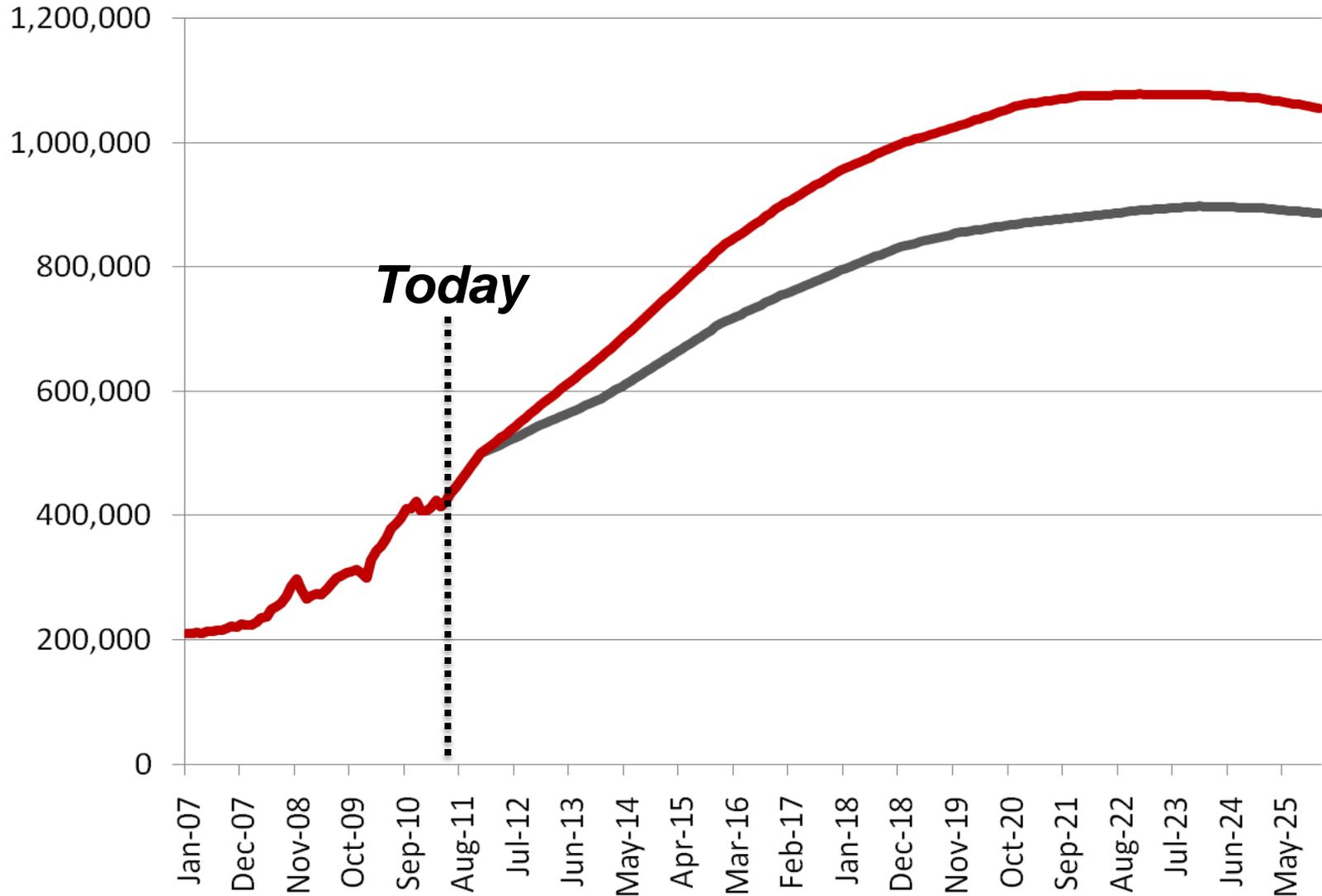


Looking Back to March 2009...



Slide from a presentation given to the ND State Legislature in March 2009.

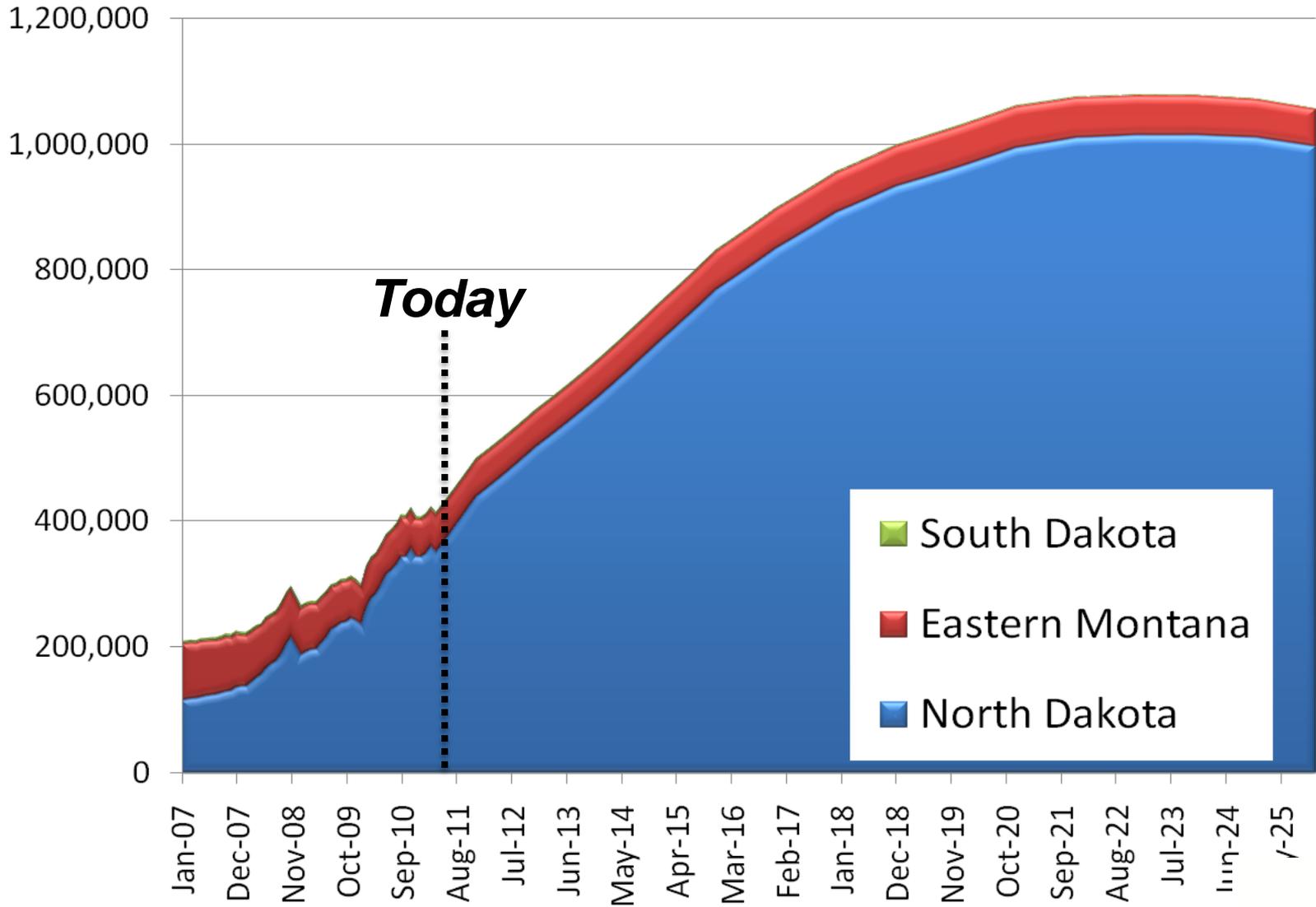
Forecasting Williston Basin Oil Production, BOPD



Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.



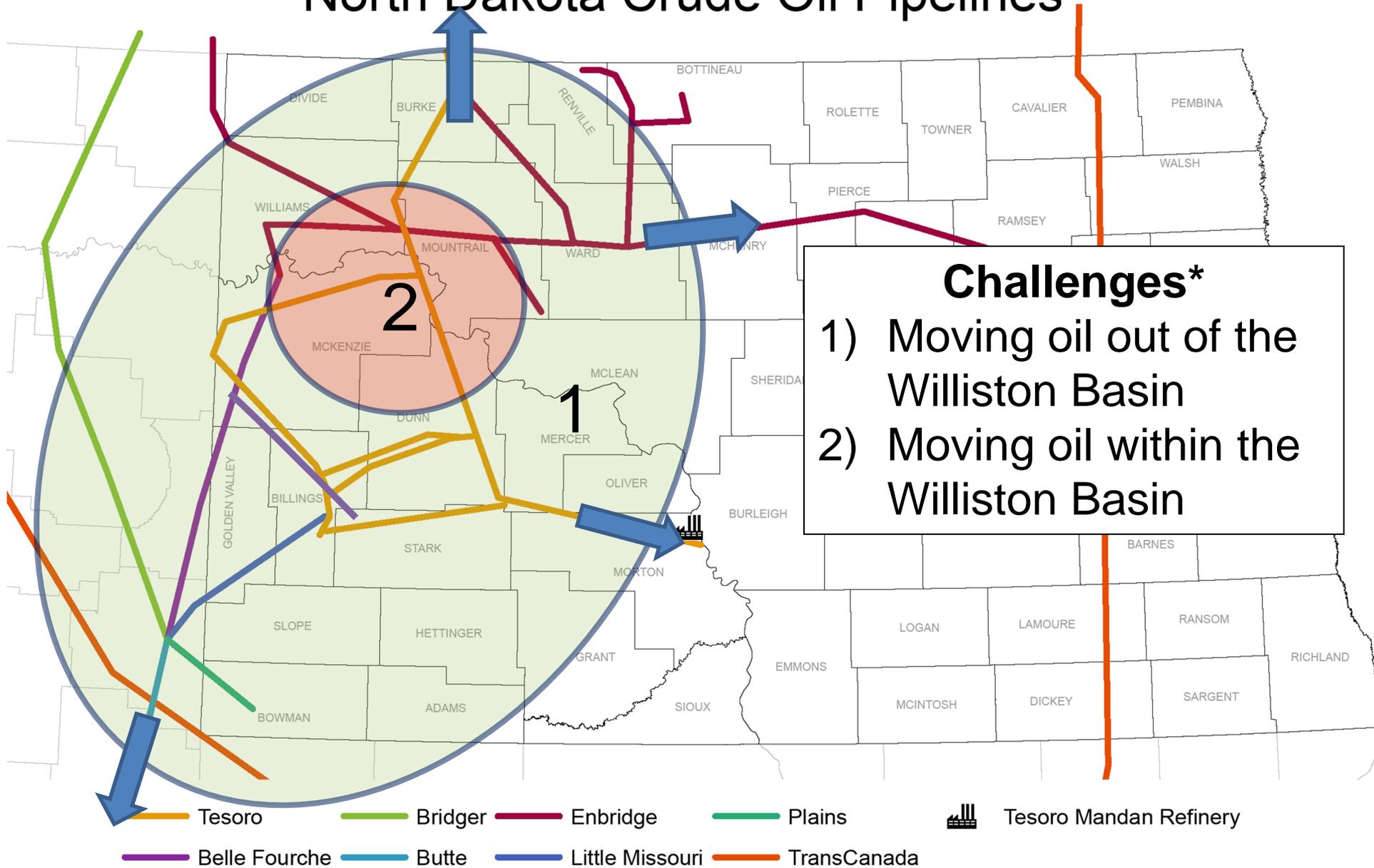
Forecasting Williston Basin Oil Production, BOPD



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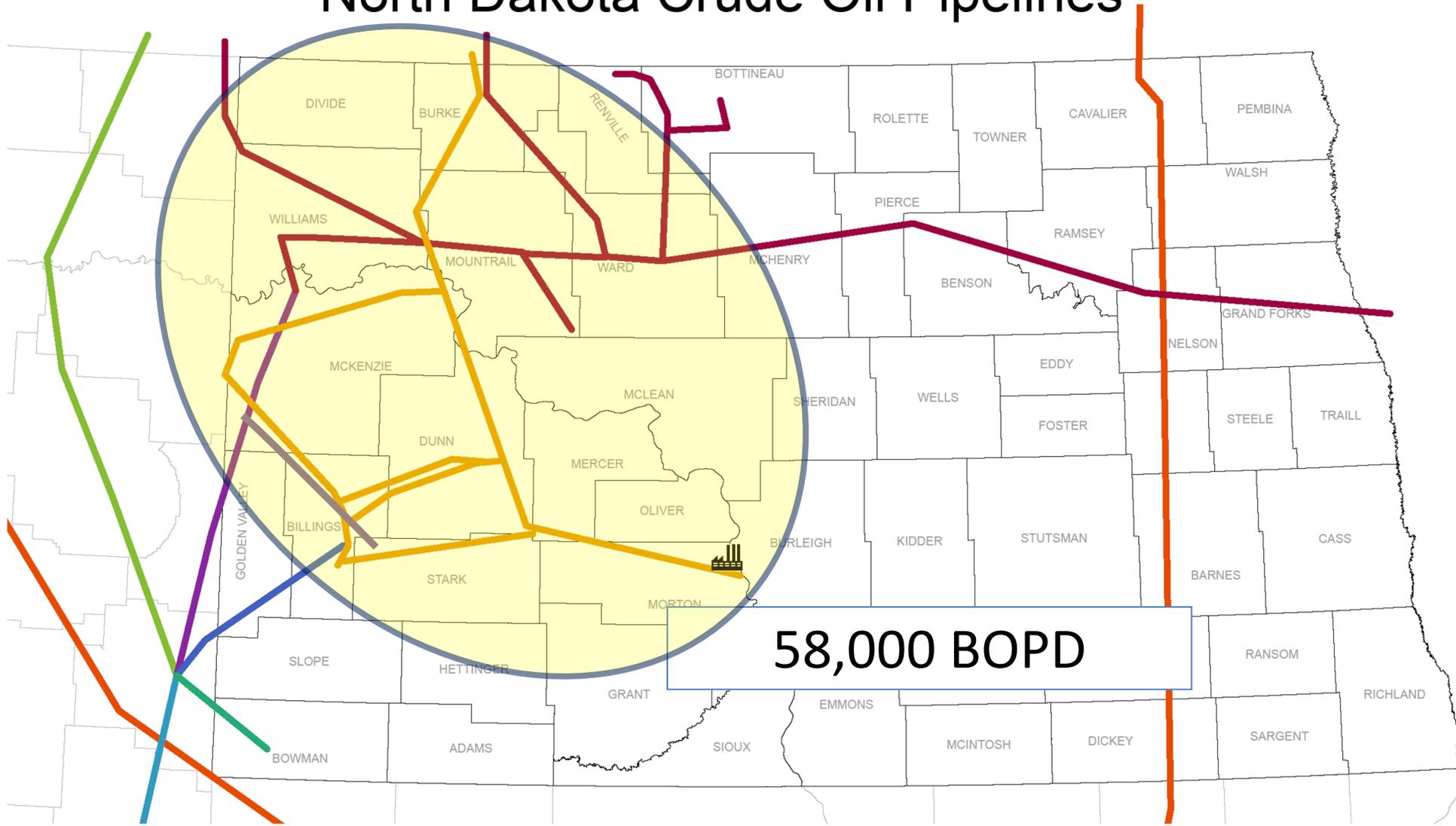


North Dakota Crude Oil Pipelines



*Modified from Bridger and Belle Fourche Pipelines

North Dakota Crude Oil Pipelines

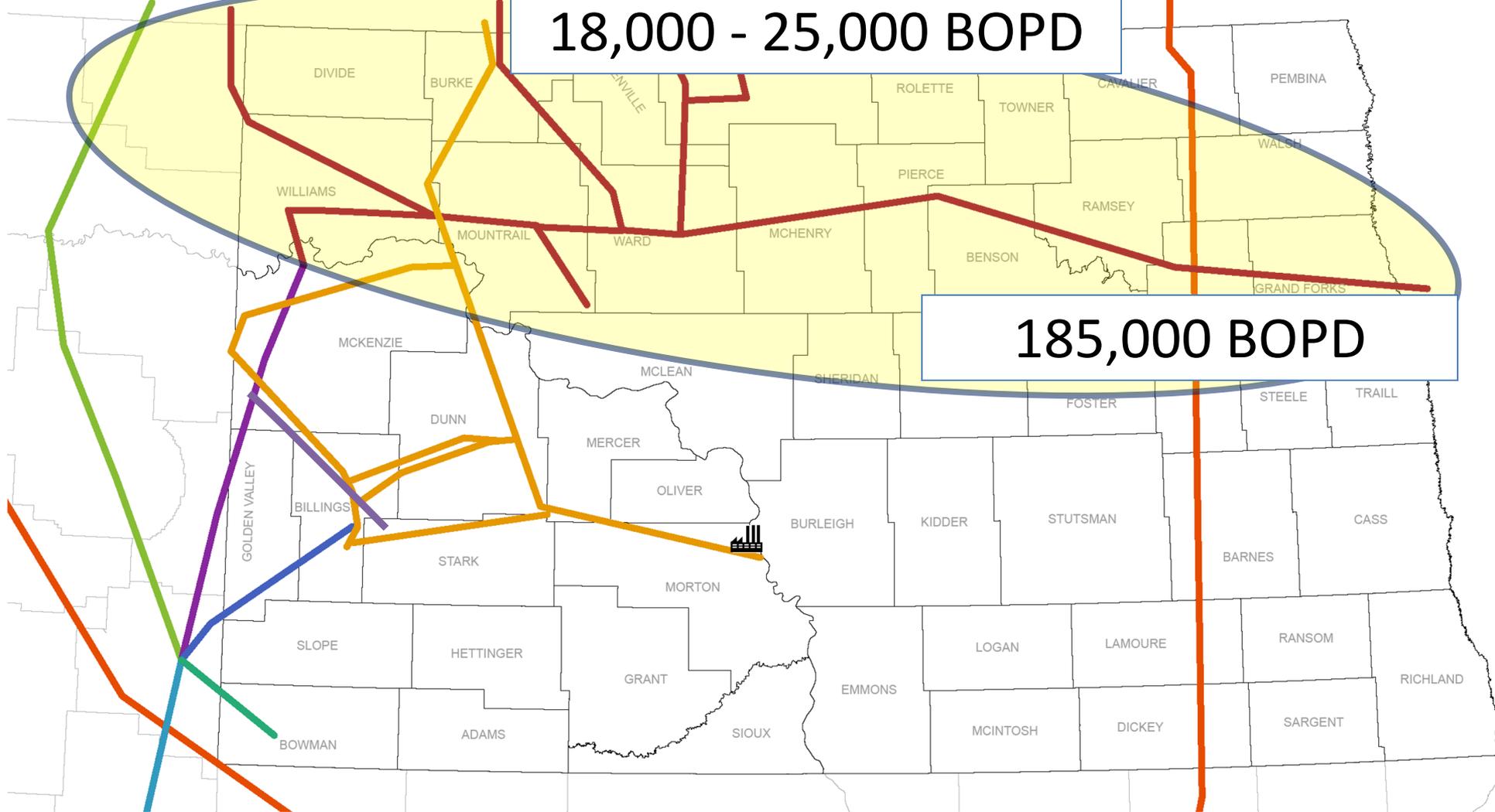


- Tesoro
- Bridger
- Enbridge
- Plains
- Tesoro Mandan Refinery
- Belle Fourche
- Butte
- Little Missouri
- TransCanada

North Dakota Crude Oil Pipelines

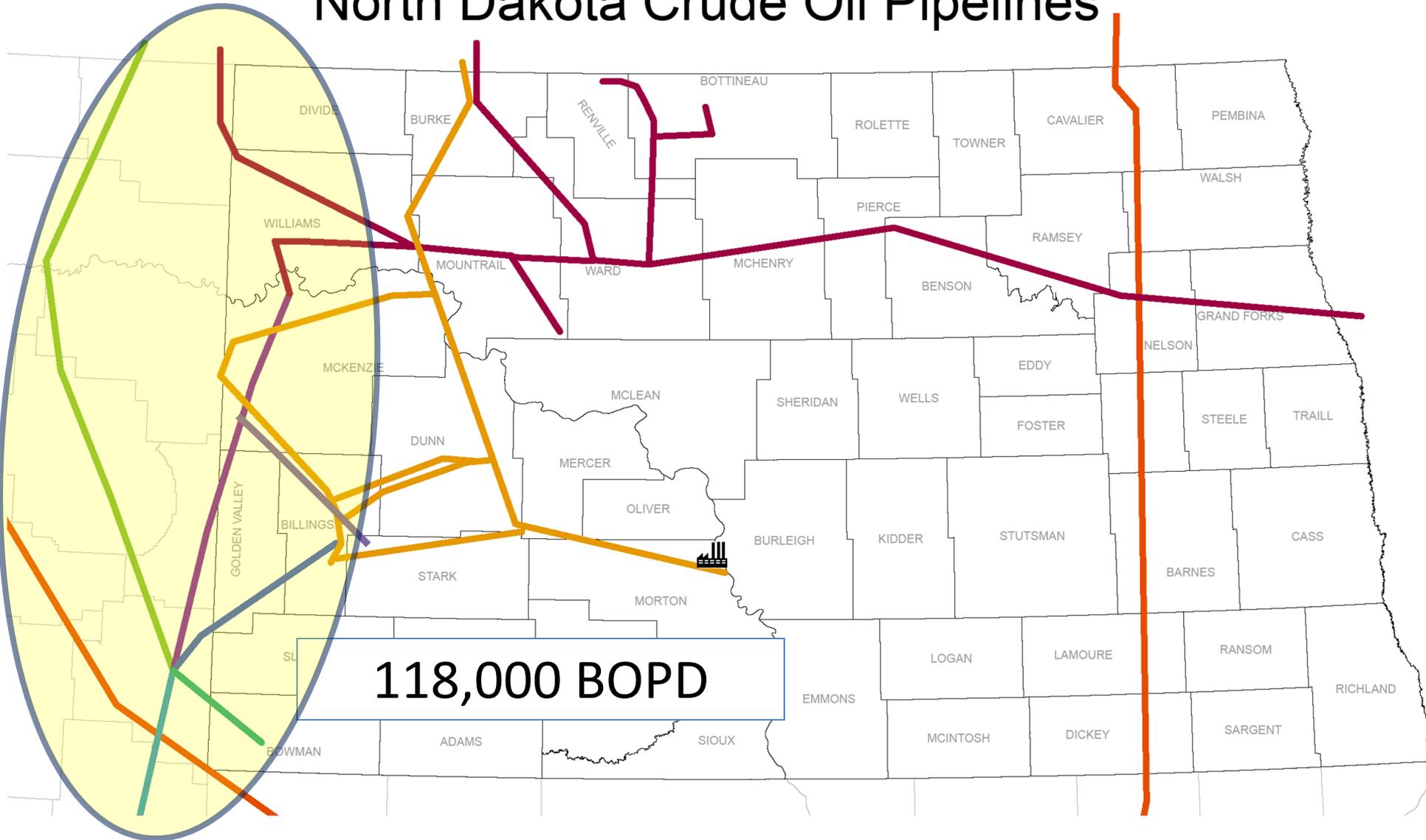
18,000 - 25,000 BOPD

185,000 BOPD



- Tesoro
- Bridger
- Enbridge
- Plains
- Tesoro Mandan Refinery
- Belle Fourche
- Butte
- Little Missouri
- TransCanada

North Dakota Crude Oil Pipelines



118,000 BOPD

-  Tesoro
-  Bridger
-  Enbridge
-  Plains
-  Tesoro Mandan Refinery
-  Belle Fourche
-  Butte
-  Little Missouri
-  TransCanada

Current Rail Transportation

EOG – Stanley, ND



Others Include:

Minot

Dore

Stampede

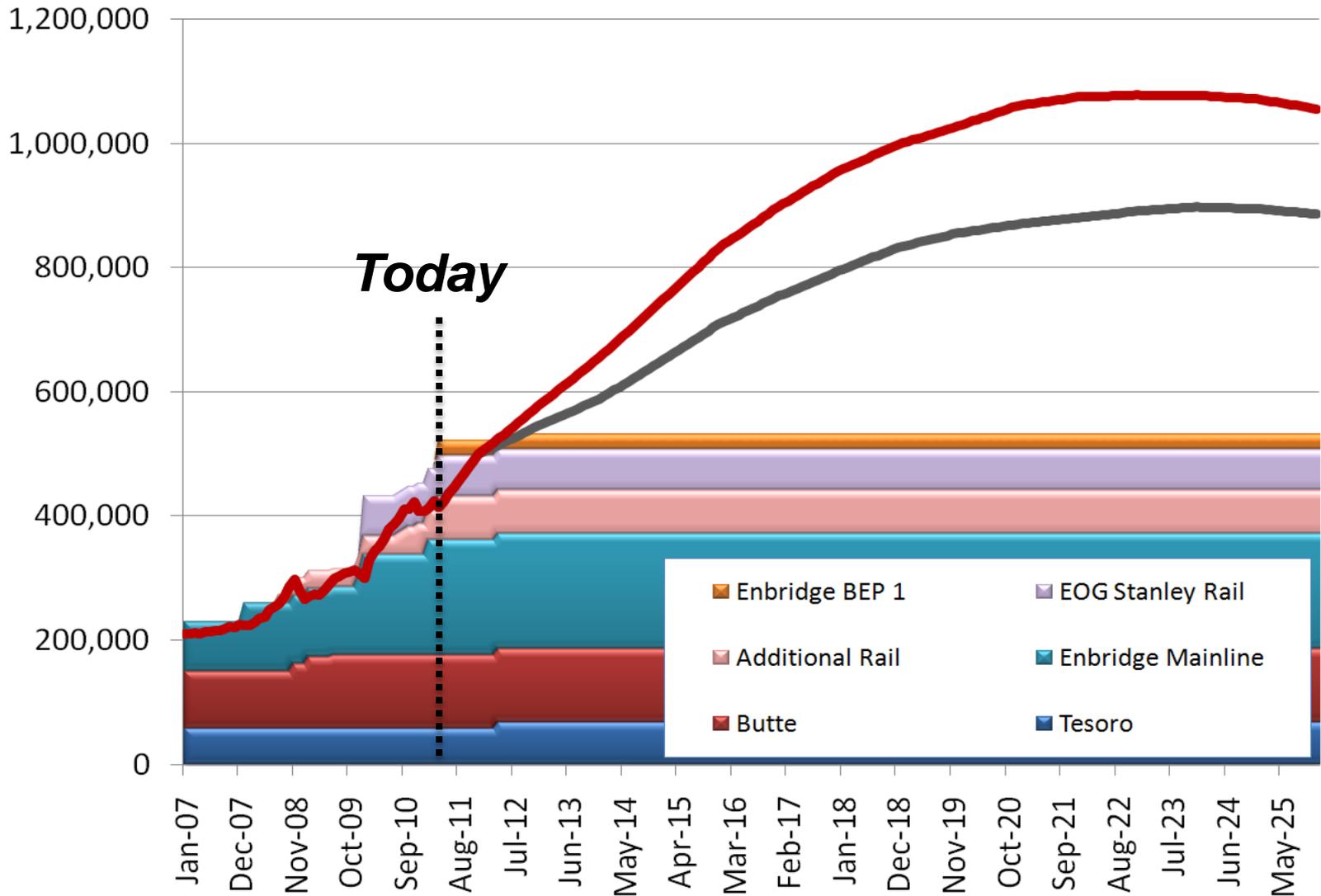
Donnybrook



Dakota Transport Solutions – New Town, ND

**Images Provided By:
Loren Kopseng**

Williston Basin Oil Production & Export Capacity, BOPD



Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.



Several Exciting Developments For Post 2010 Crude Oil Transport

Enbridge Bakken Expansion Program

Keystone XL Marketlink

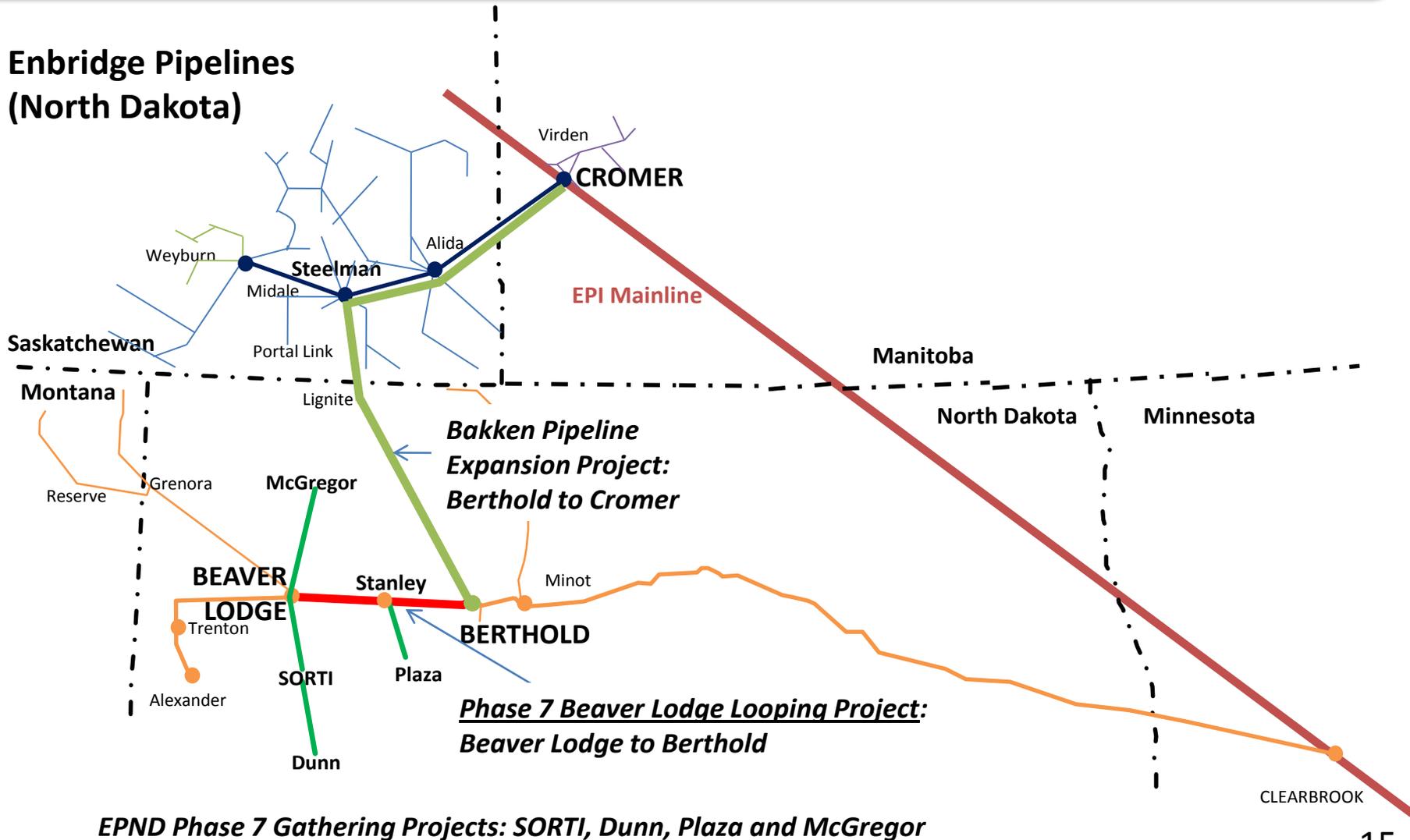
True Co.'s Baker 300

Plains Bakken North

Unit Train Development

Bakken Pipeline Expansion

Enbridge Pipelines (North Dakota)



EPND Phase 7 Gathering Projects: SORTI, Dunn, Plaza and McGregor

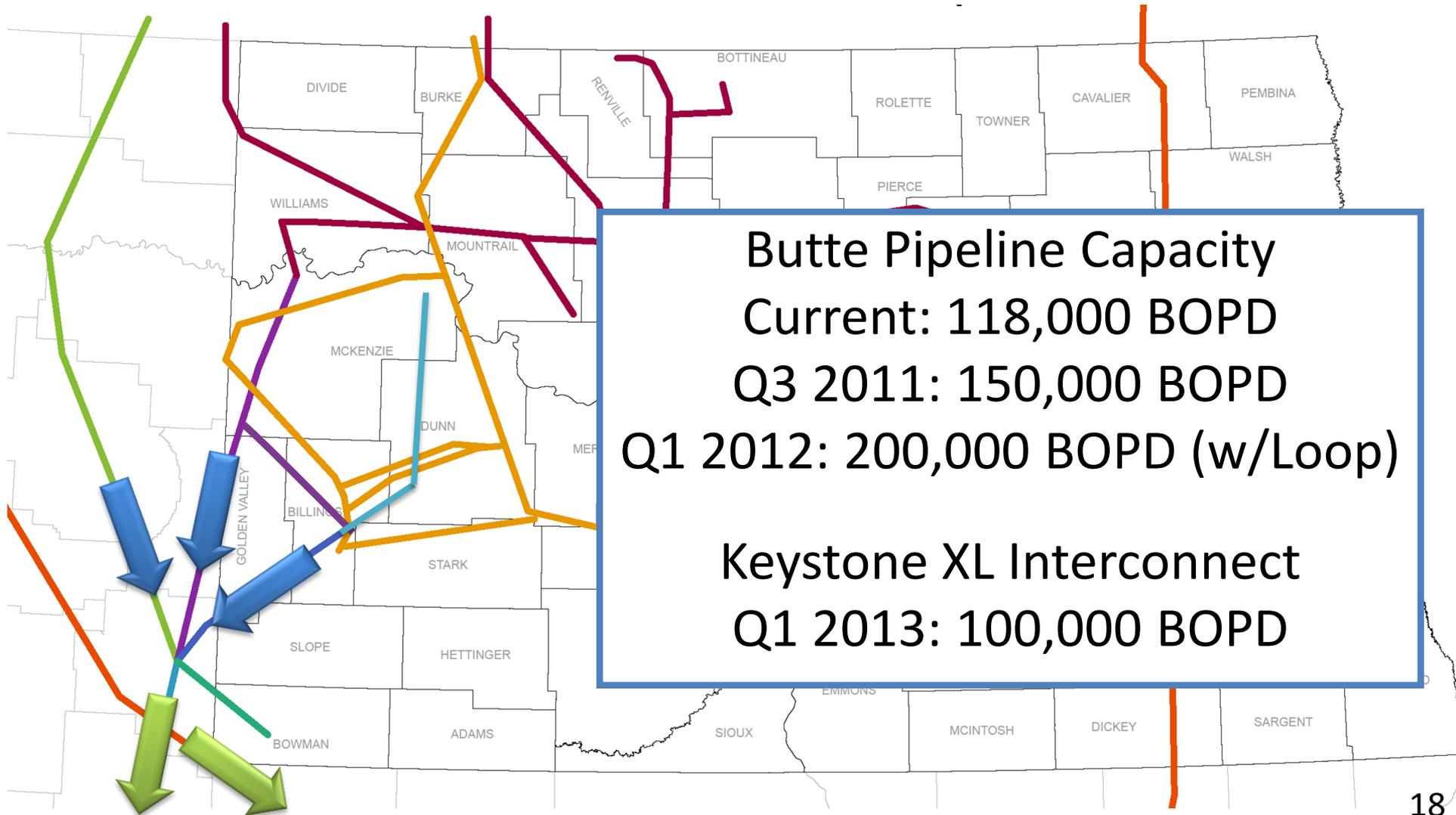
Proposed TransCanada Marketlink

- Successful Open Season in 2010
- 2013 Startup (Subject to Presidential Permit)

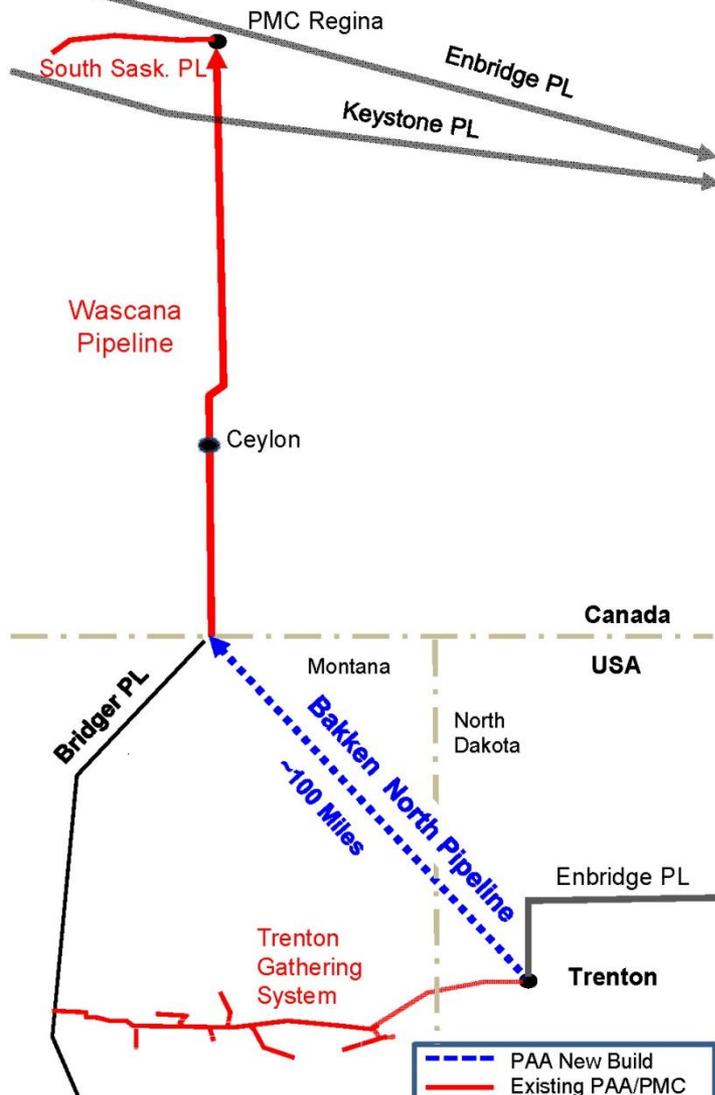
Image: TransCanada Notice of Open Season



True Co.'s Proposed "Baker 300"



Plains Bakken North Pipeline

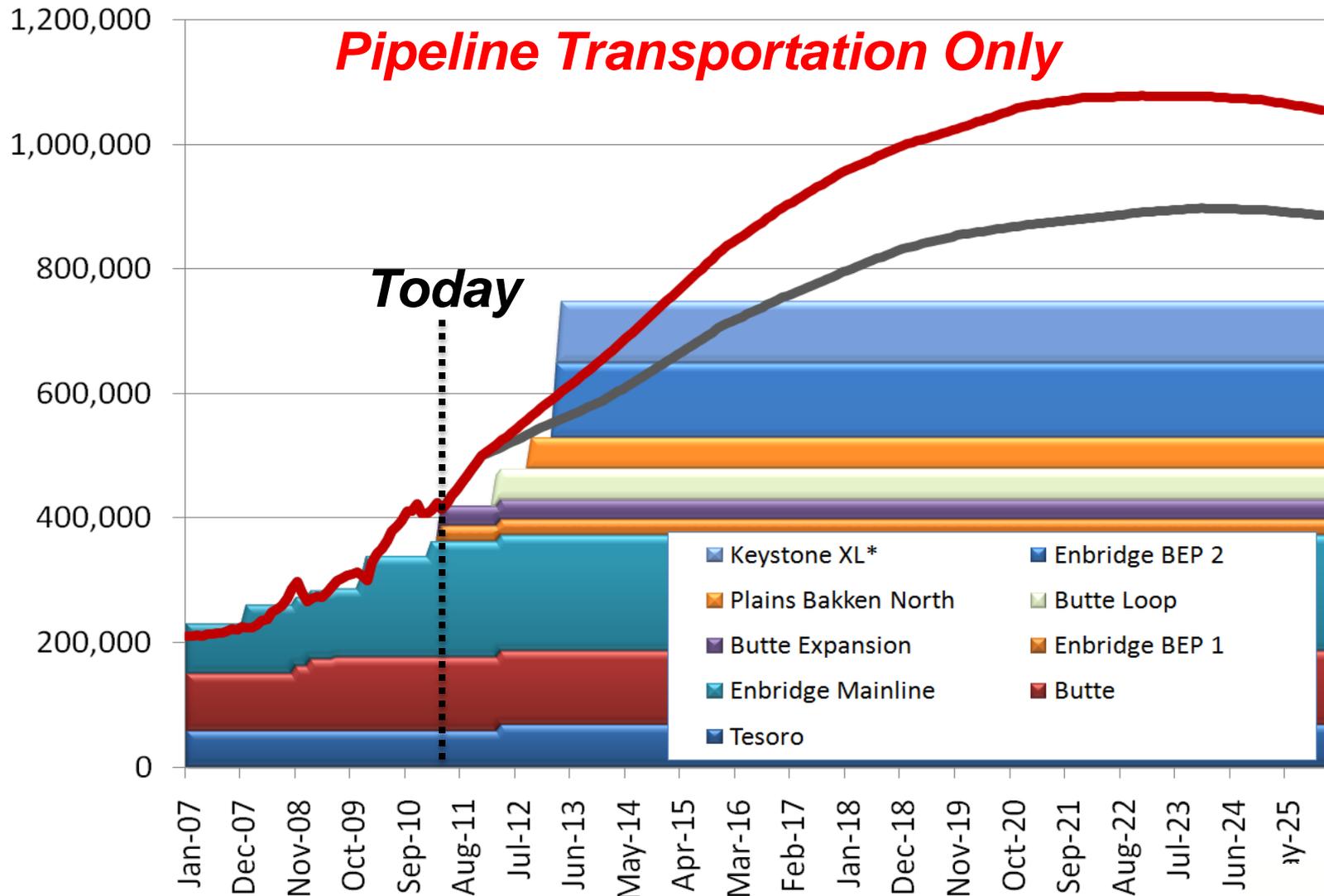


Proposed Capacity
50,000-75,000 BOPD
Q4 2012

New 103 Miles, 12" Pipeline
Reverse Wascana Pipeline

\$160-\$200 Million

Williston Basin Oil Production & Export Capacity, BOPD

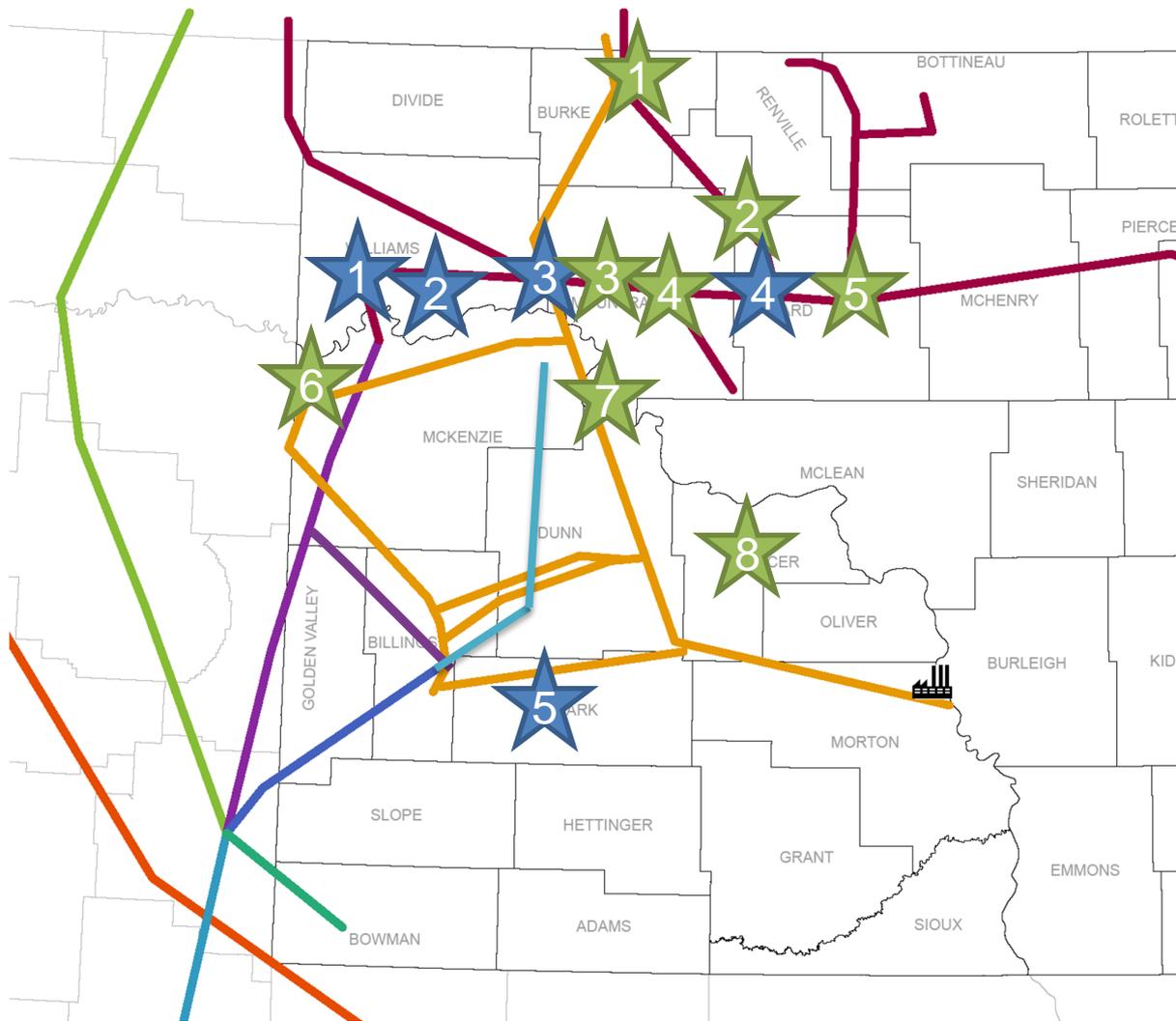


Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

*Projects still in the proposed or internal review process



Existing & Planned Rail Locations



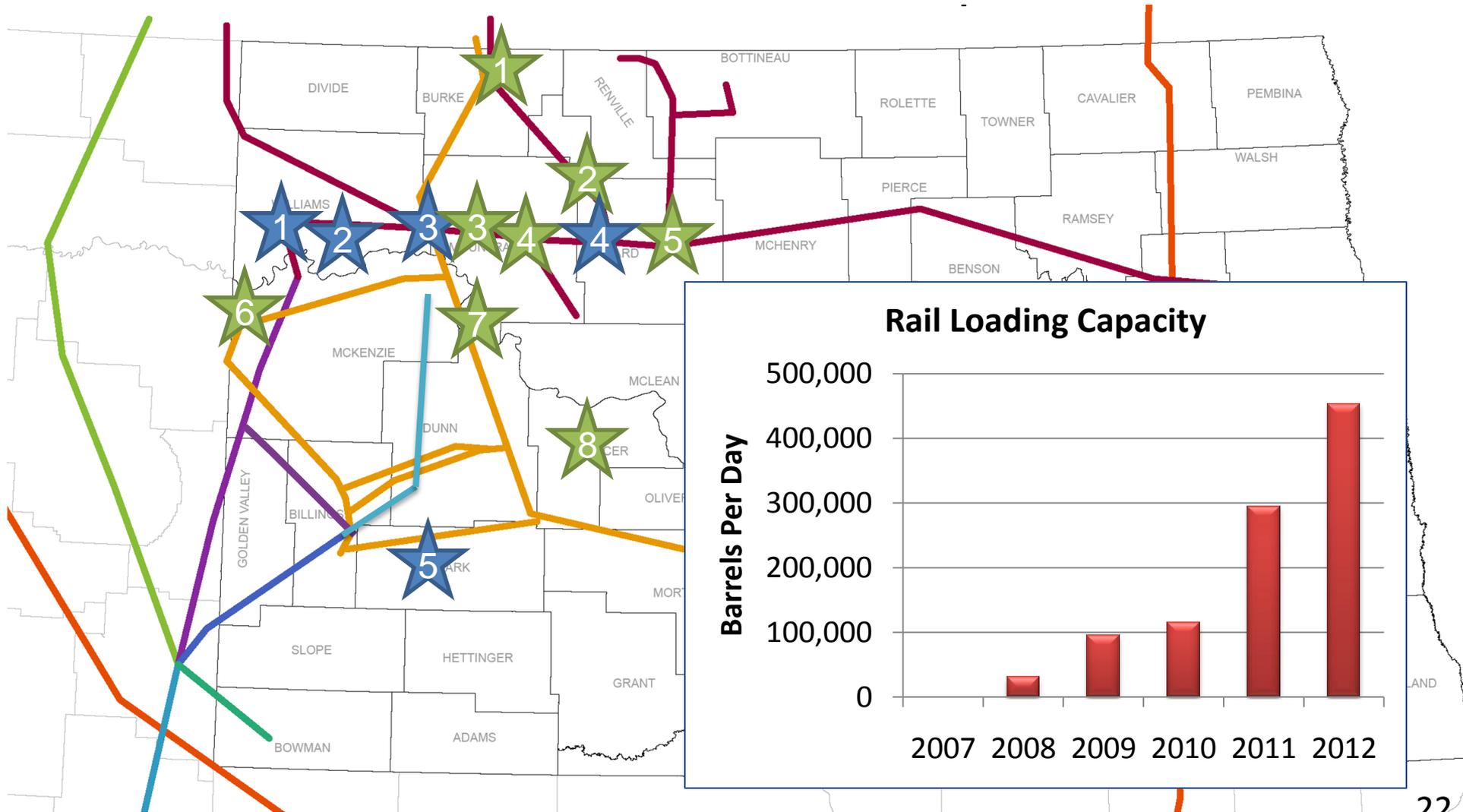
★ Existing

- 1) Stampede
- 2) Donnybrook
- 3) Ross
- 4) Stanley – EOG
- 5) Minot – ND Port Services
- 6) Dore
- 7) New Town – Dakota Transport Solutions
- 8) Beulah

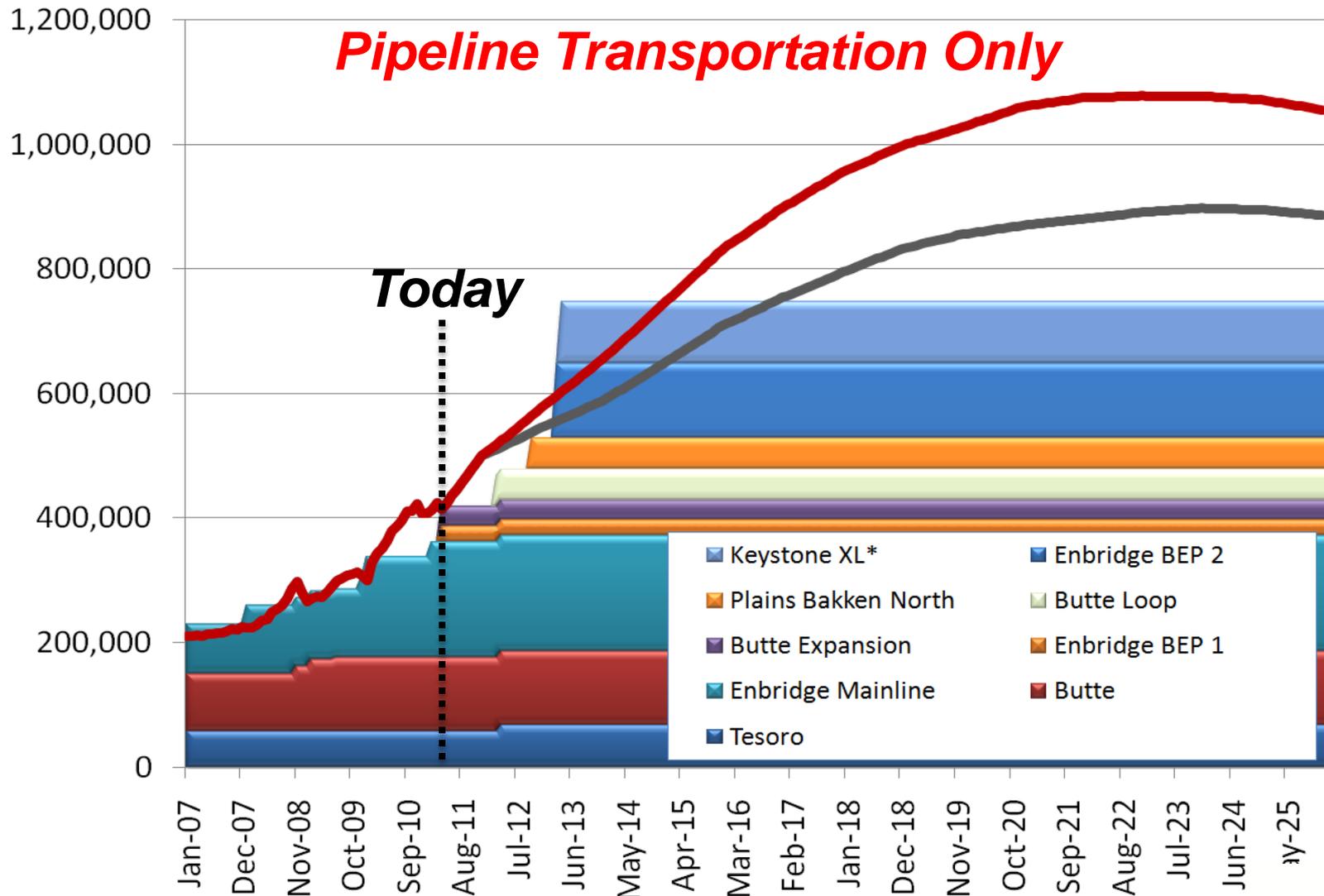
★ Planned

- 1) Trenton – Savage
- 2) Epping – Rangeland
- 3) Tioga – Hess
- 4) Berthold – Enbridge
- 5) Dickinson – EDOG

Existing & Planned Rail Locations



Williston Basin Oil Production & Export Capacity, BOPD

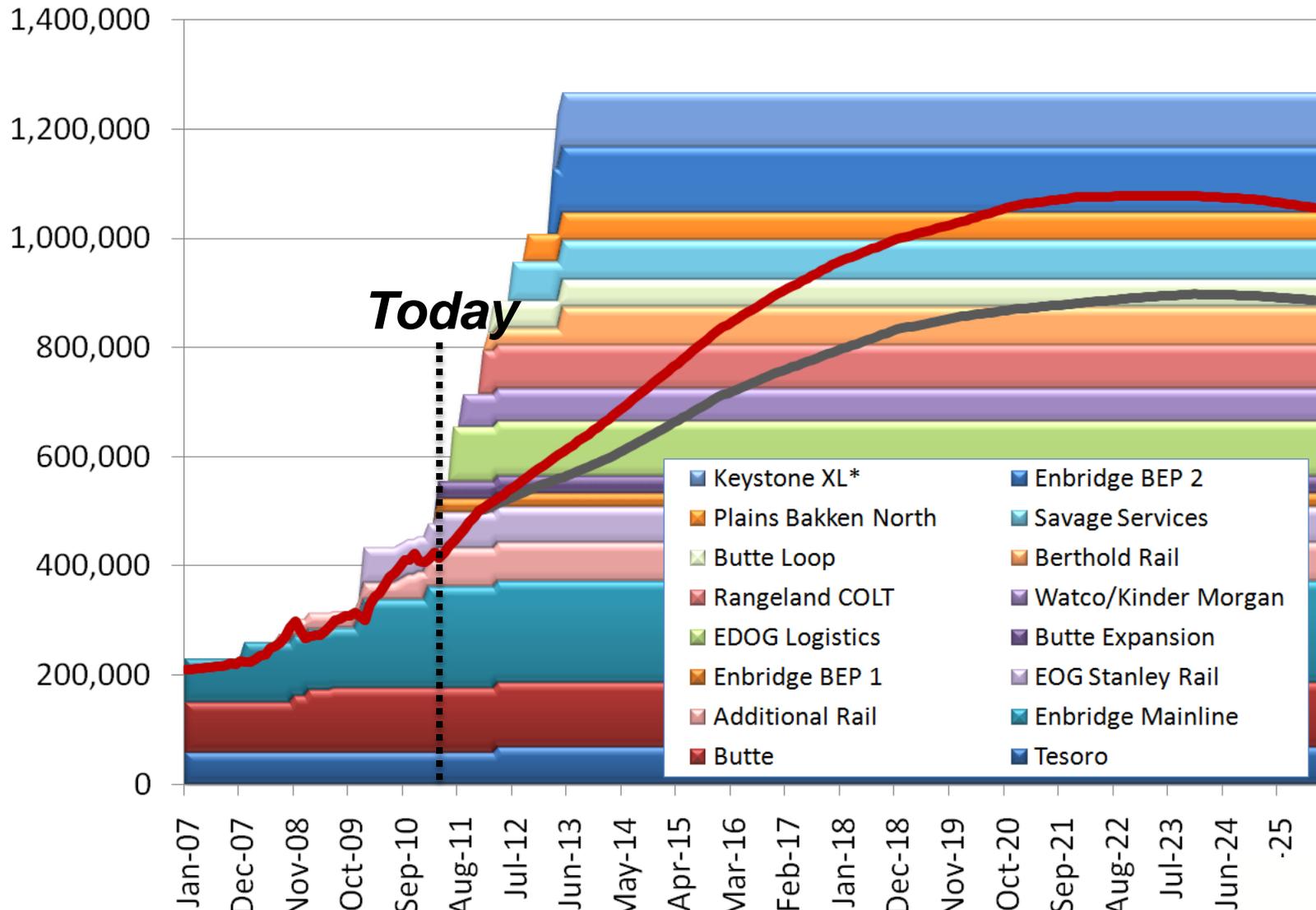


Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

*Projects still in the proposed or internal review process



Williston Basin Oil Production & Export Capacity, BOPD

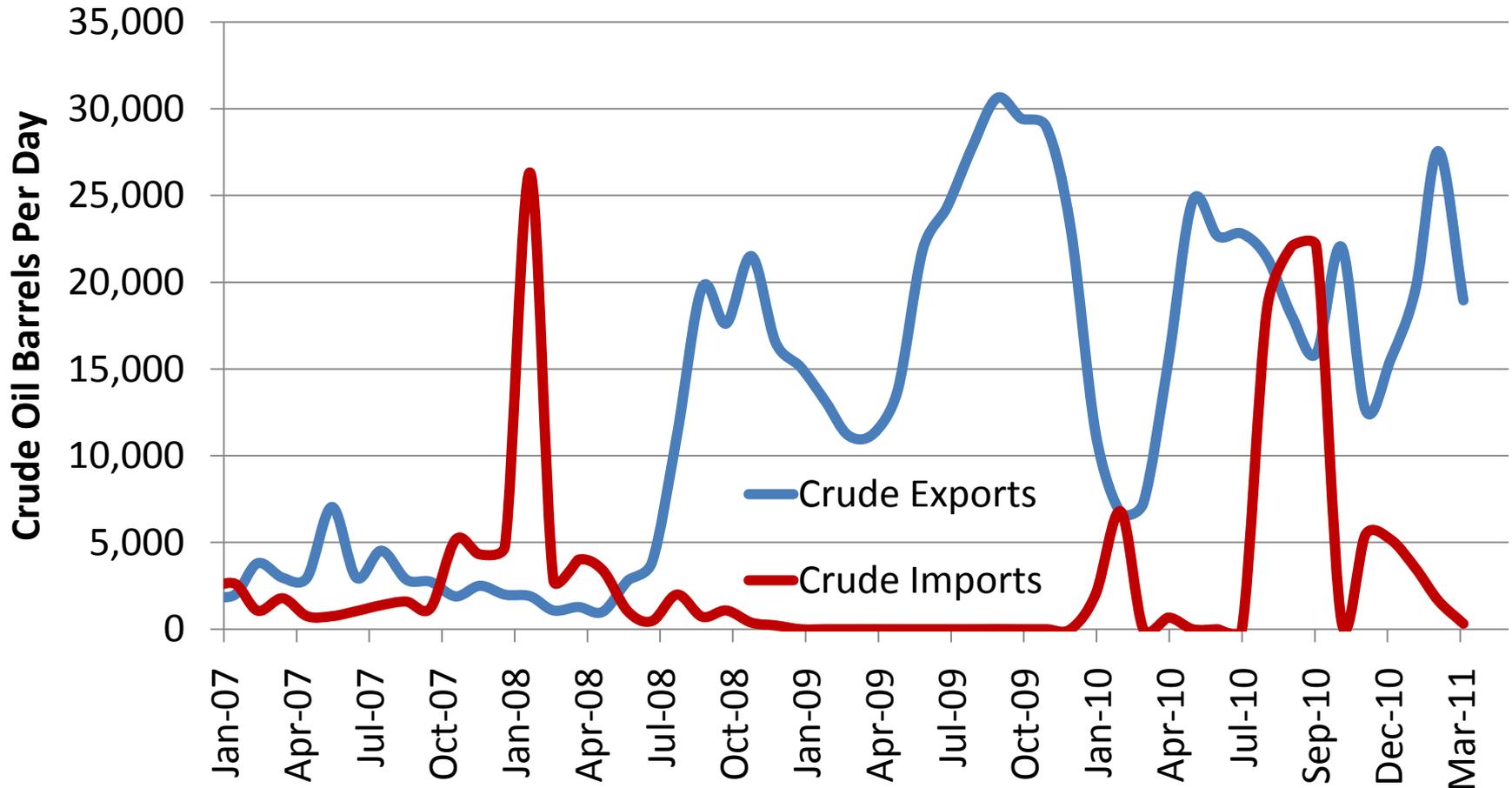


Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

*Projects still in the proposed or internal review process

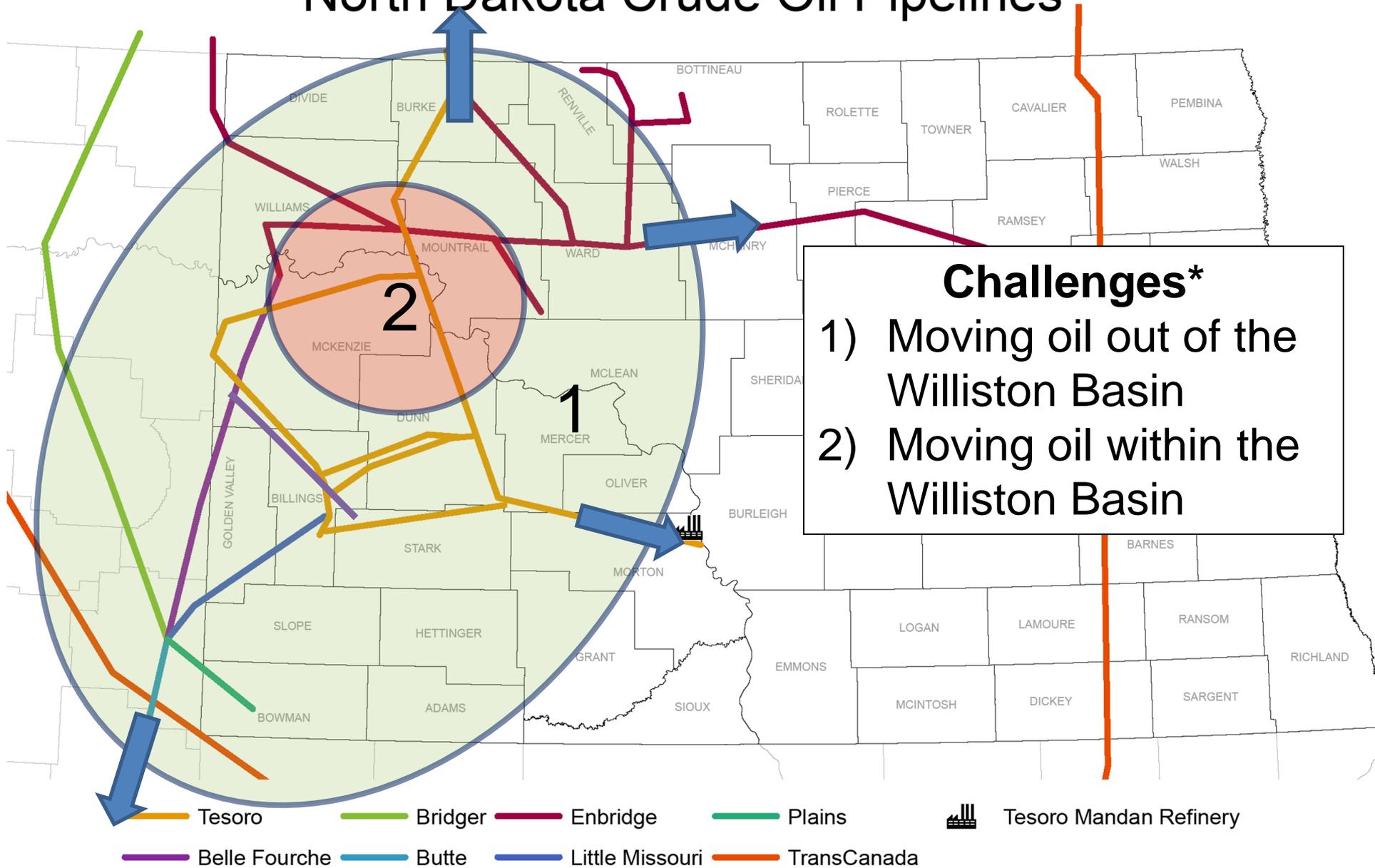


Williston Basin Truck Imports/Exports



Information collected through the United States International Trade Commission's *Interactive Tariff and Trade DataWeb*

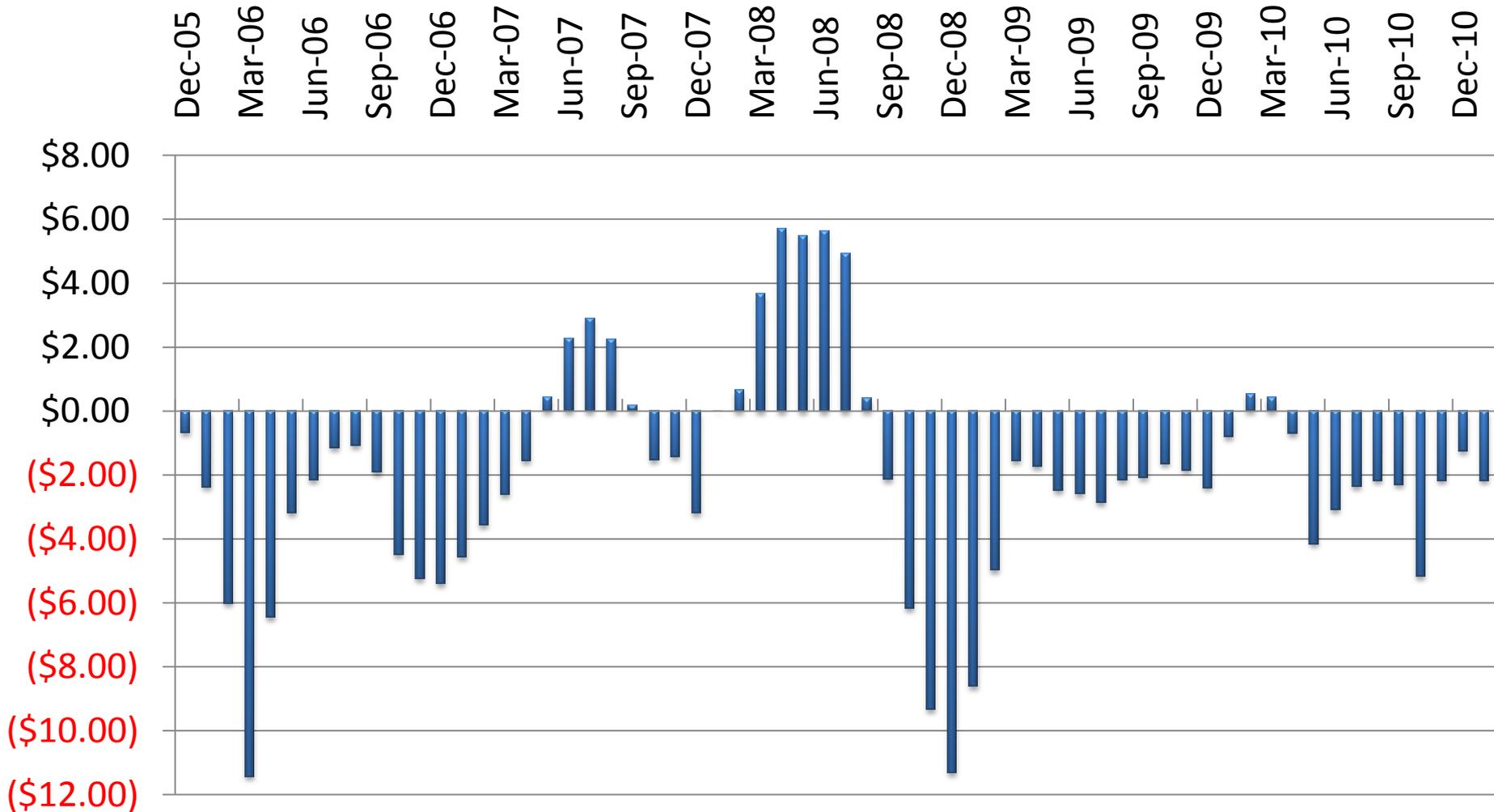
North Dakota Crude Oil Pipelines



*Modified from Bridger and Belle Fourche Pipelines

North Dakota Crude Pricing

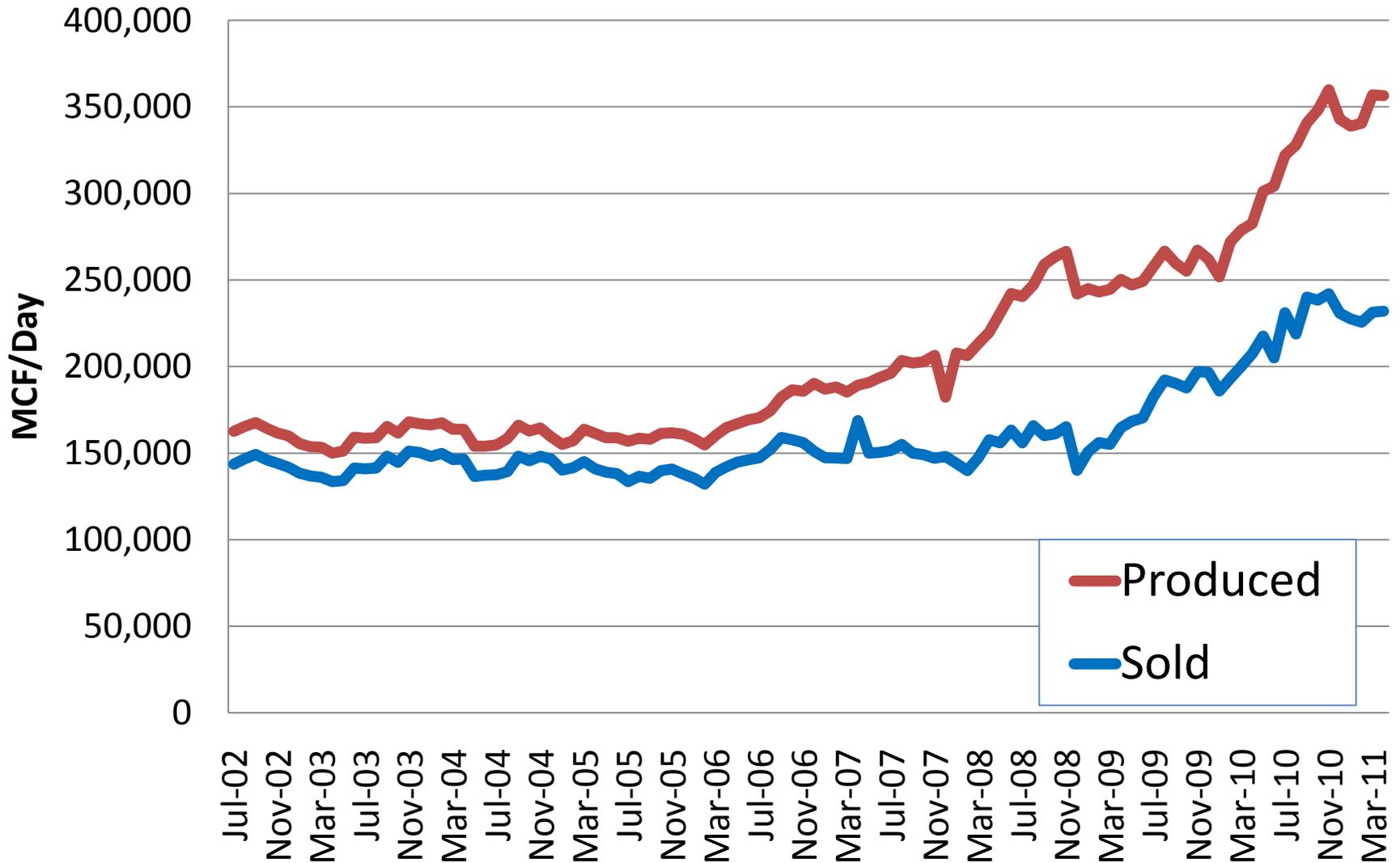
ND Tax Department Average Crude Oil Discounts - 90% NYMEX



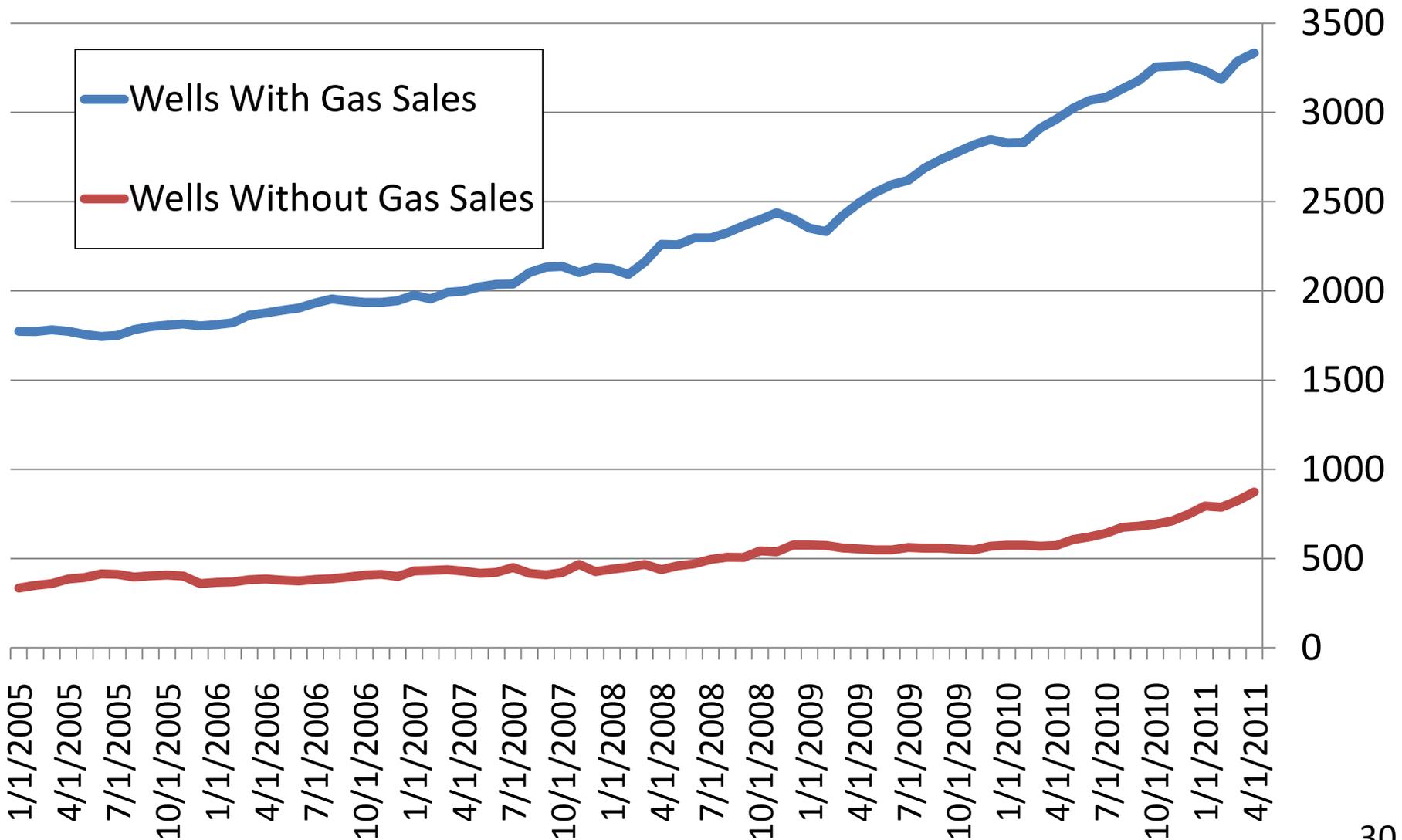
Natural Gas Projects



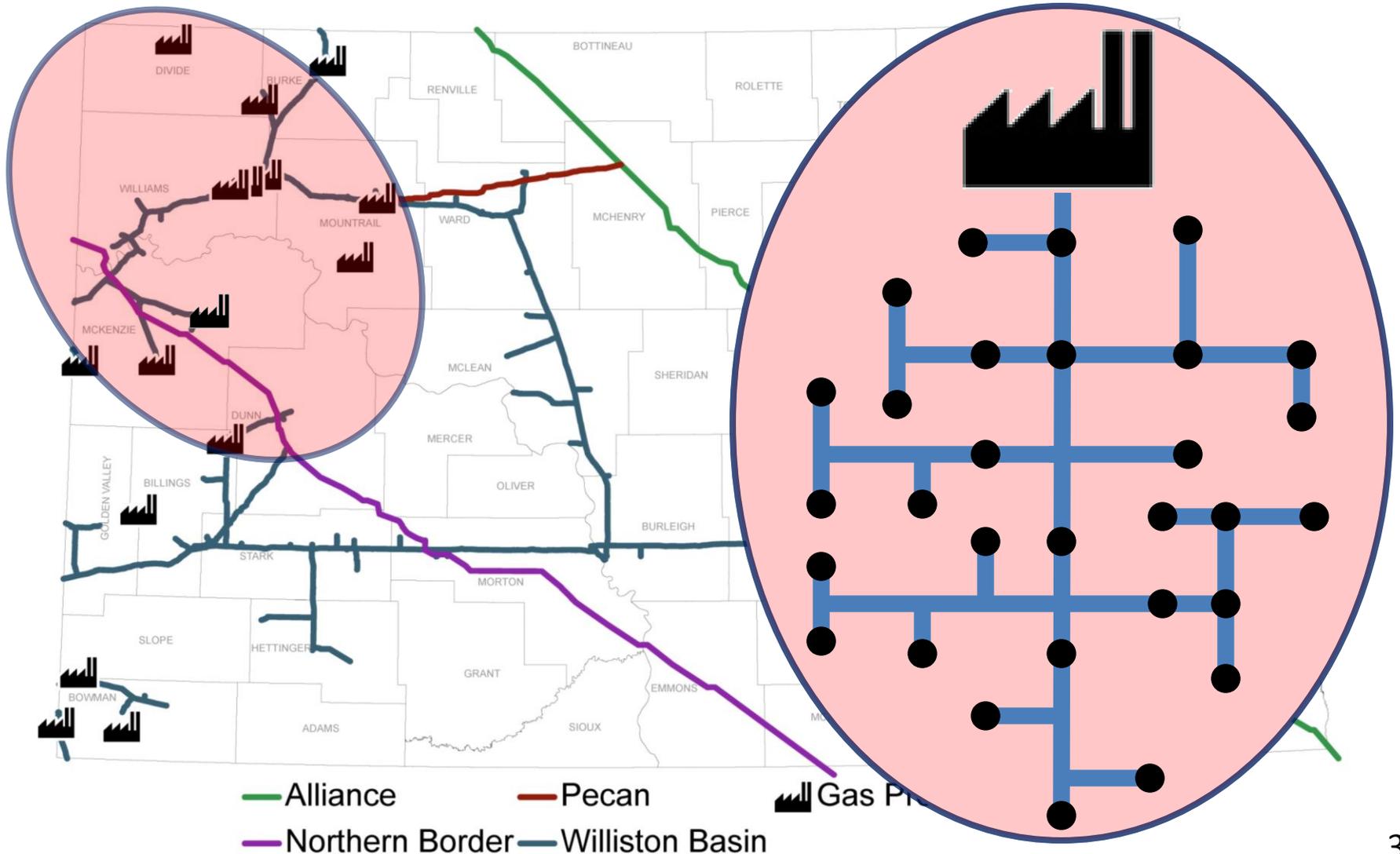
ND Gas Production

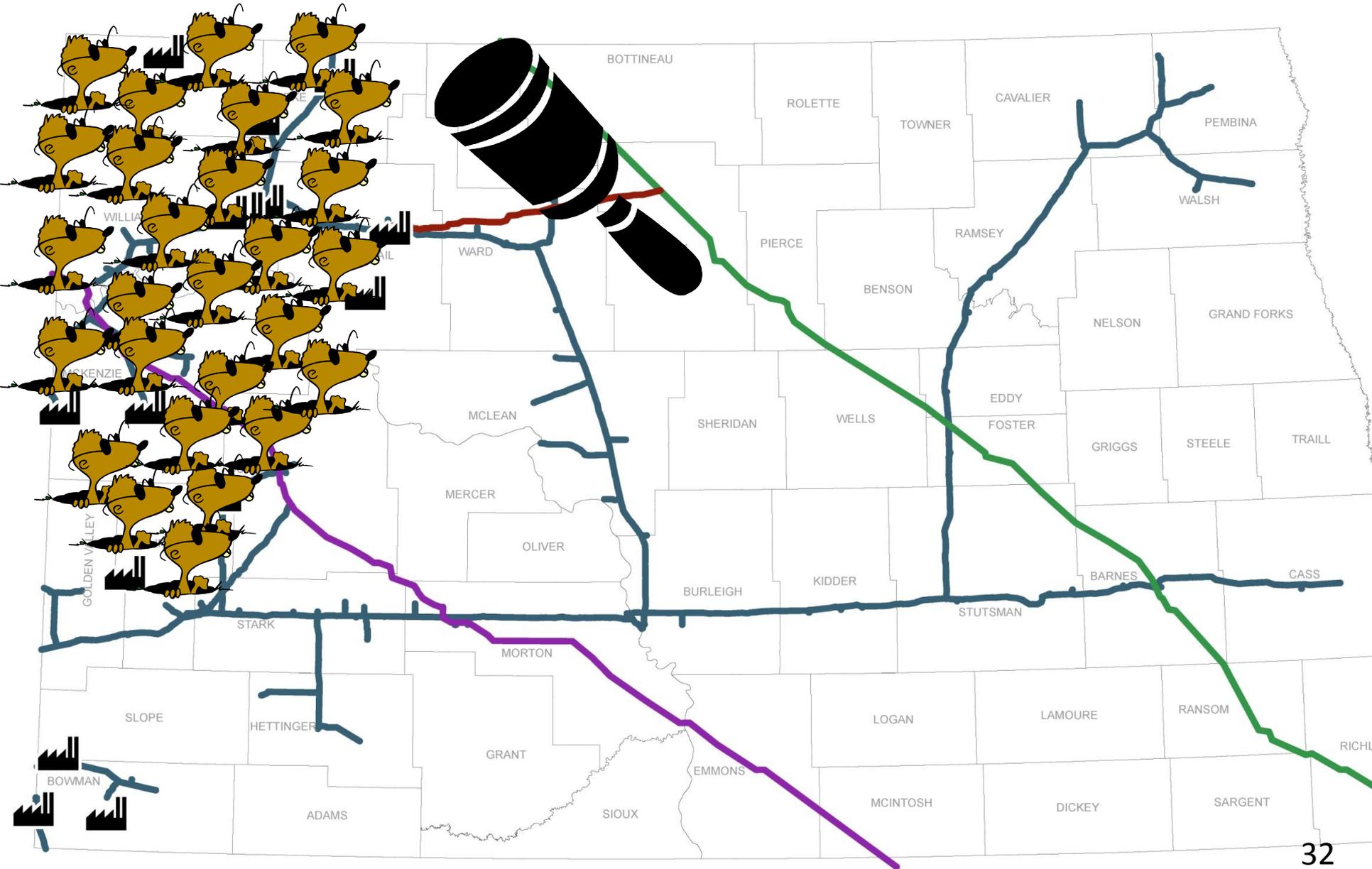


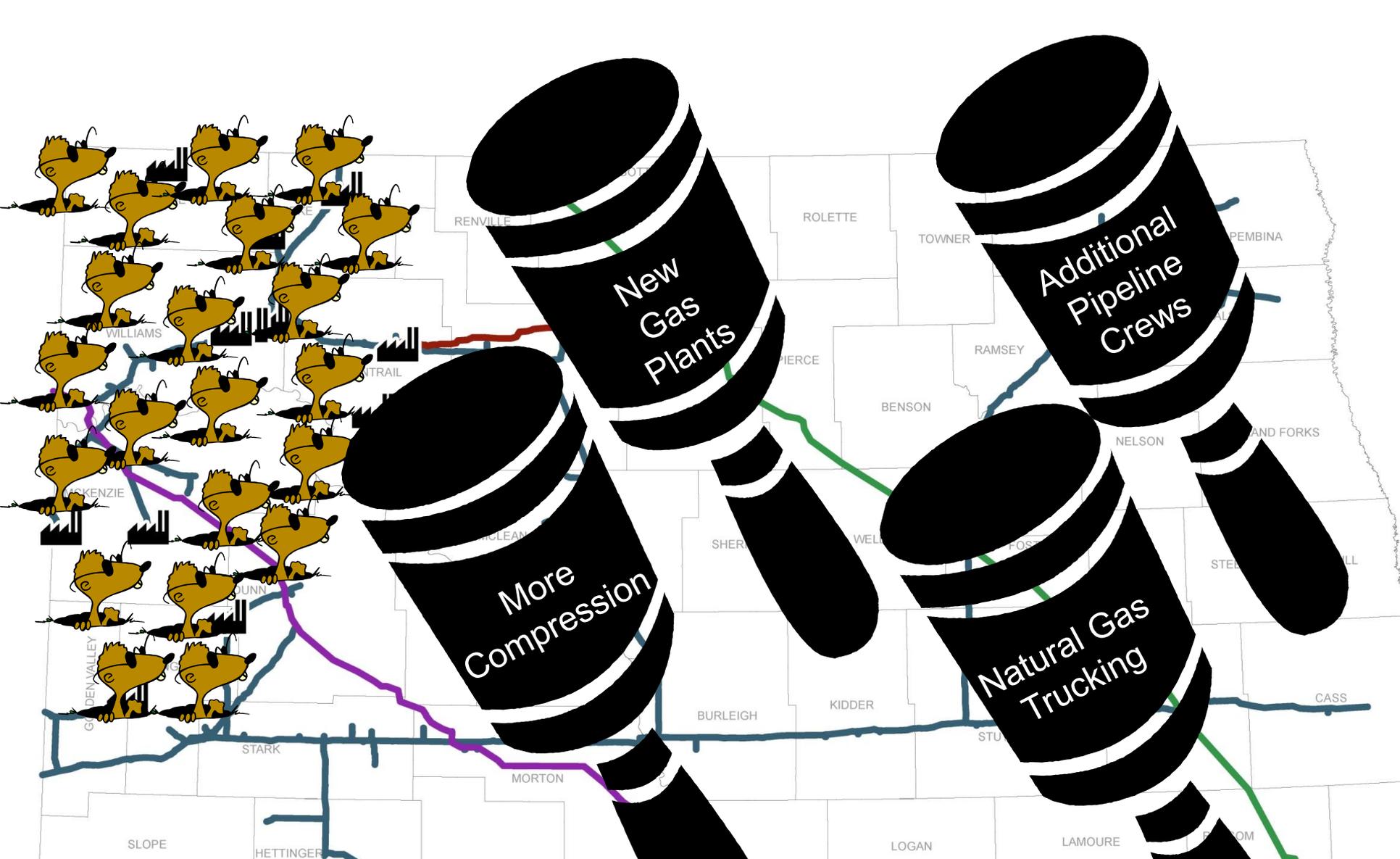
ND Gas Gathering Statistics



Natural Gas Challenge I

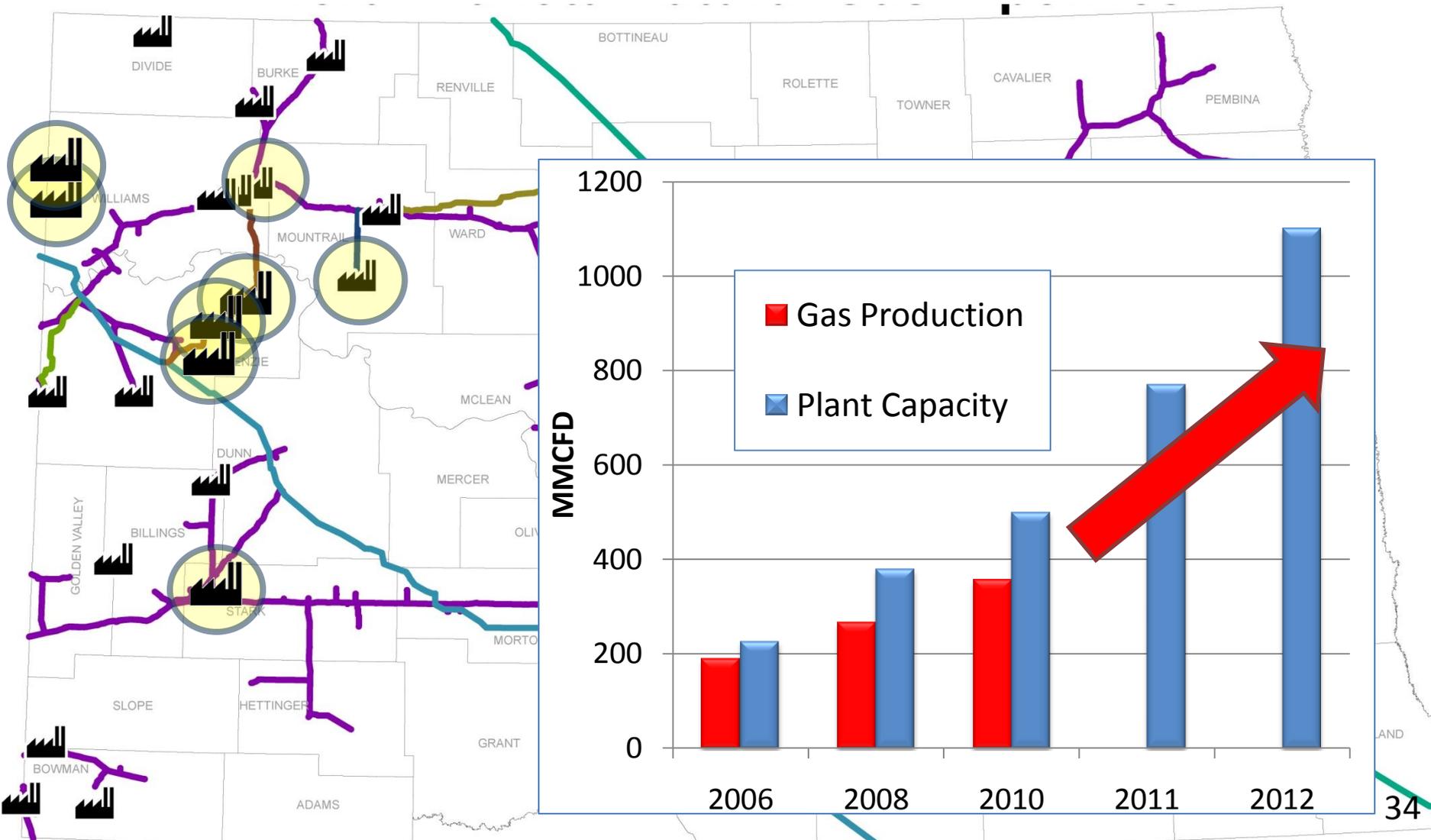




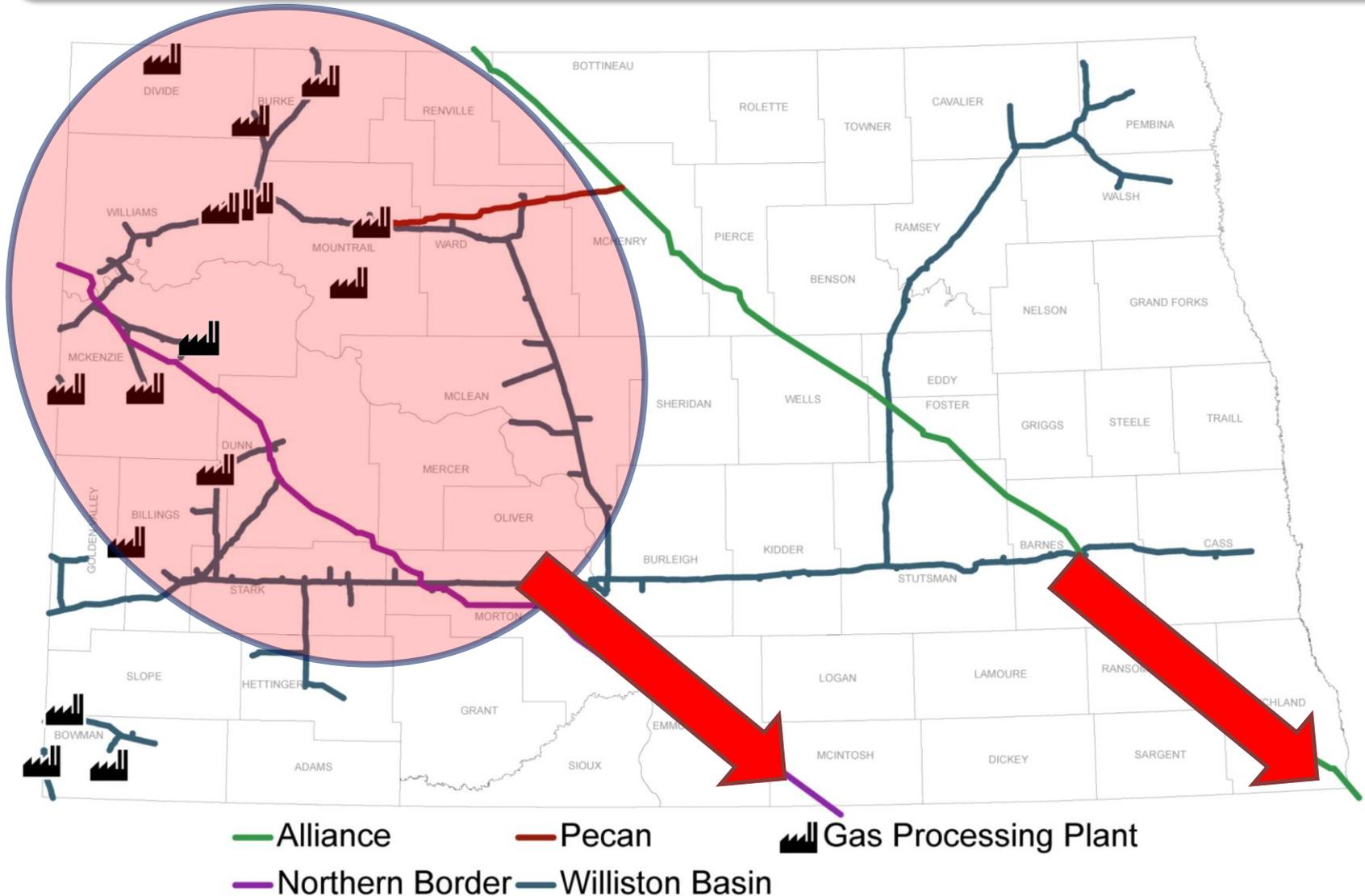


\$2.3 - \$2.7+ BILLION In the Next 1-3 Yrs

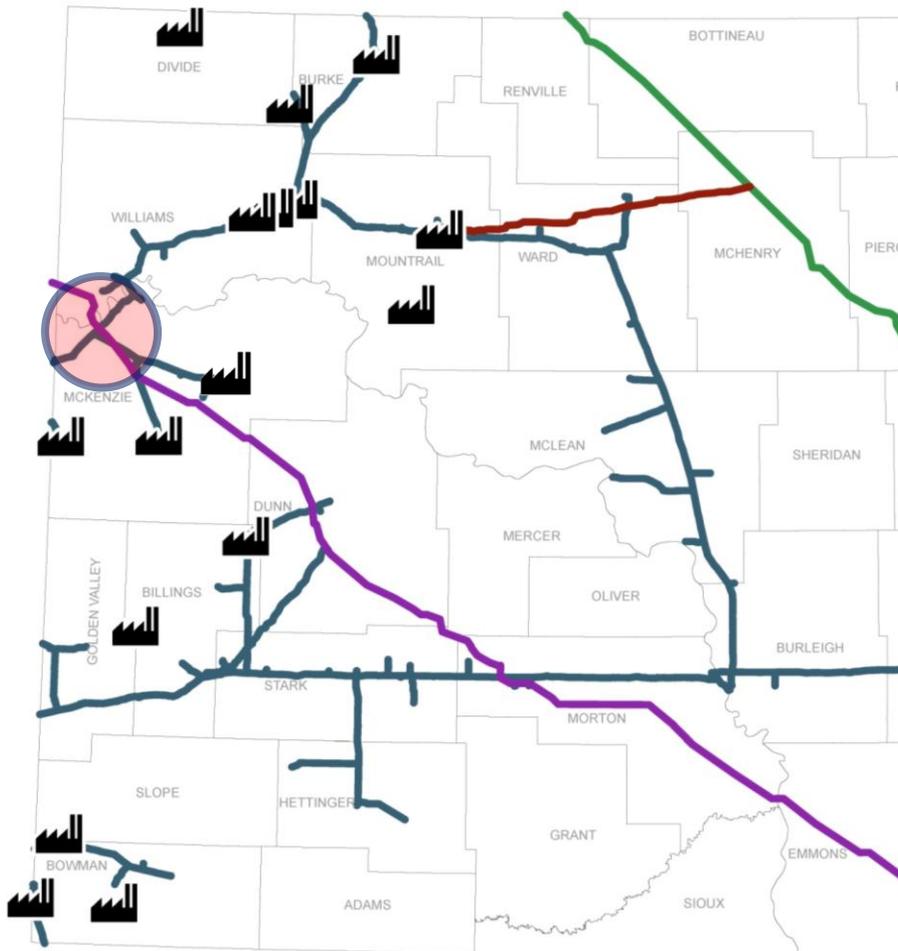
New or Expanding Gas Plants



Natural Gas Challenge II



Williston Basin Interstate Pipeline



— Alliance — Pecan
— Northern Border — Williston Basin

Charbonneau Expansion

32 MMCFD
Added in 2008

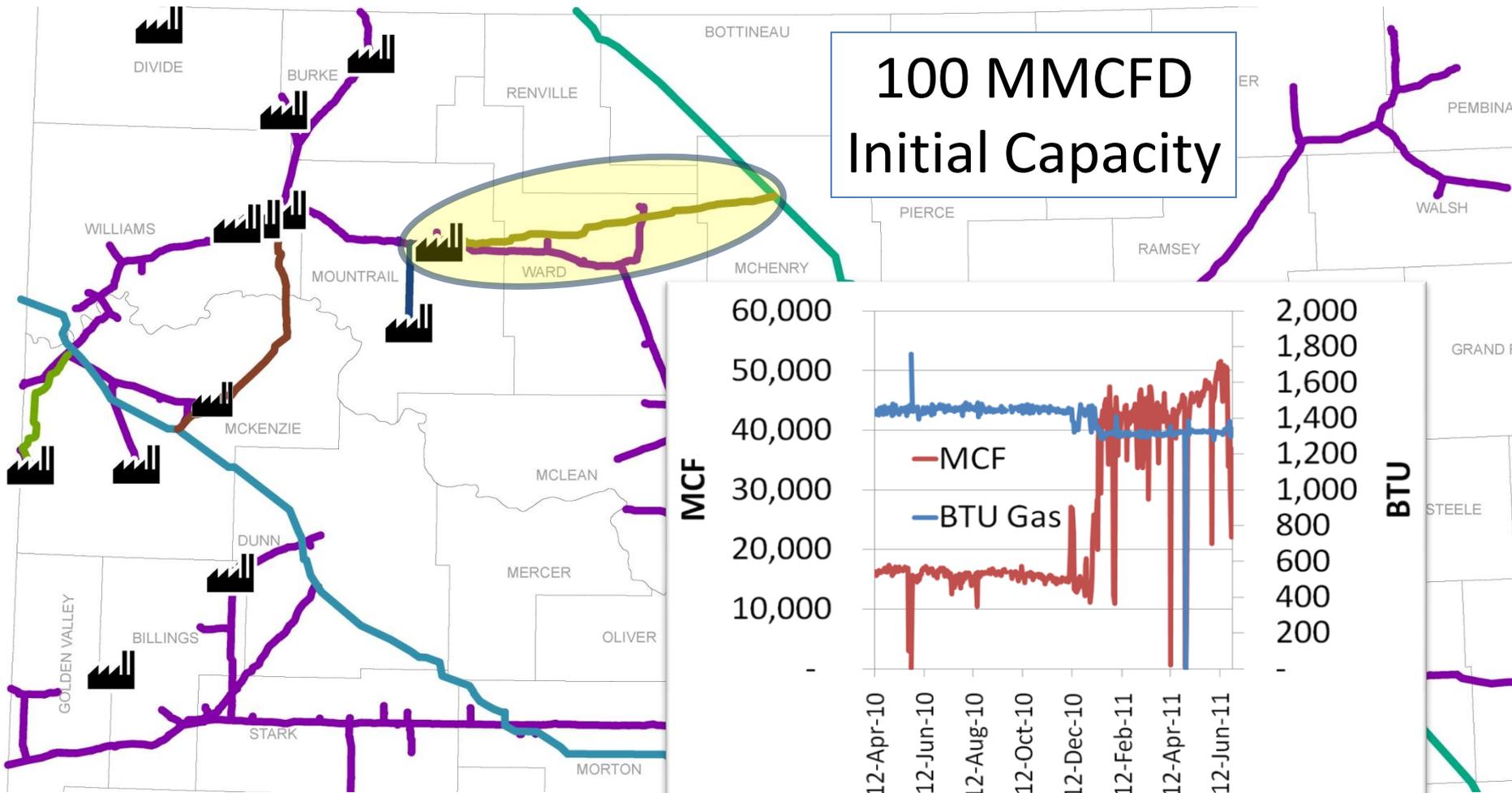
27 MMCFD
To Added Sep 2011

Baker Storage Expansion

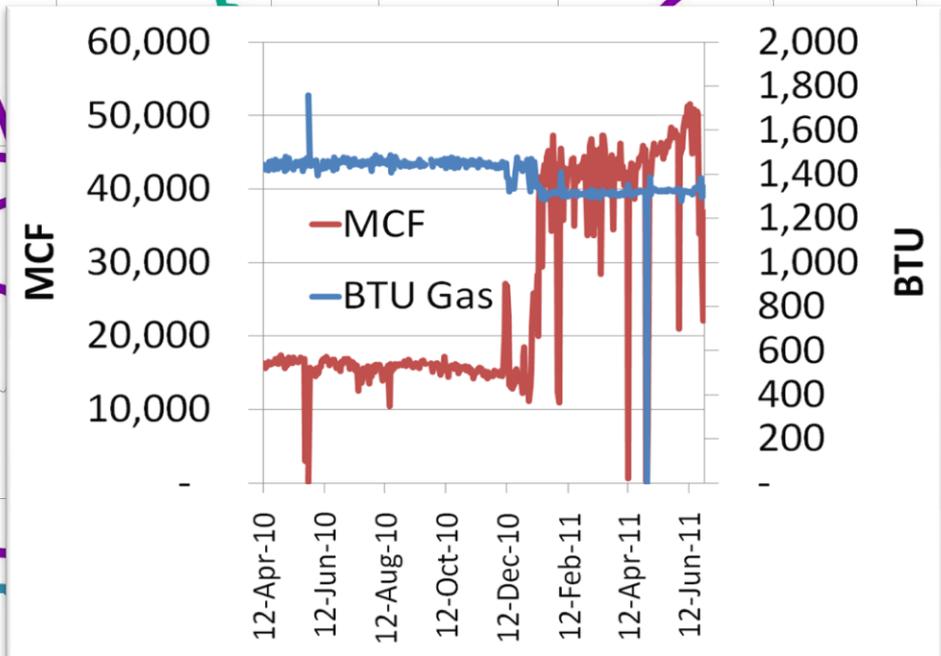
April 2012

Potential Portal Delivery

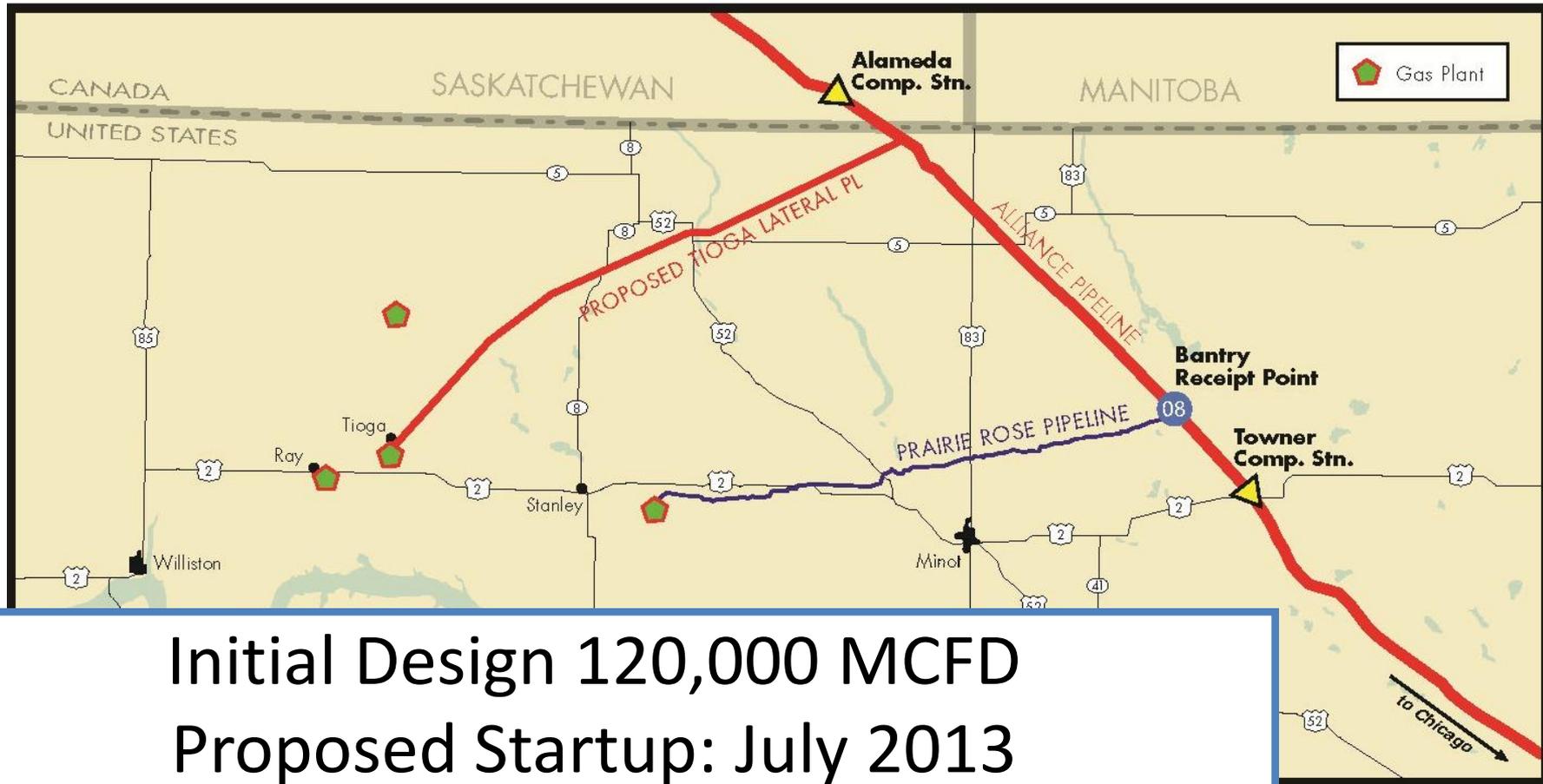
Pecan's Prairie Rose Pipeline



100 MMCFD
Initial Capacity

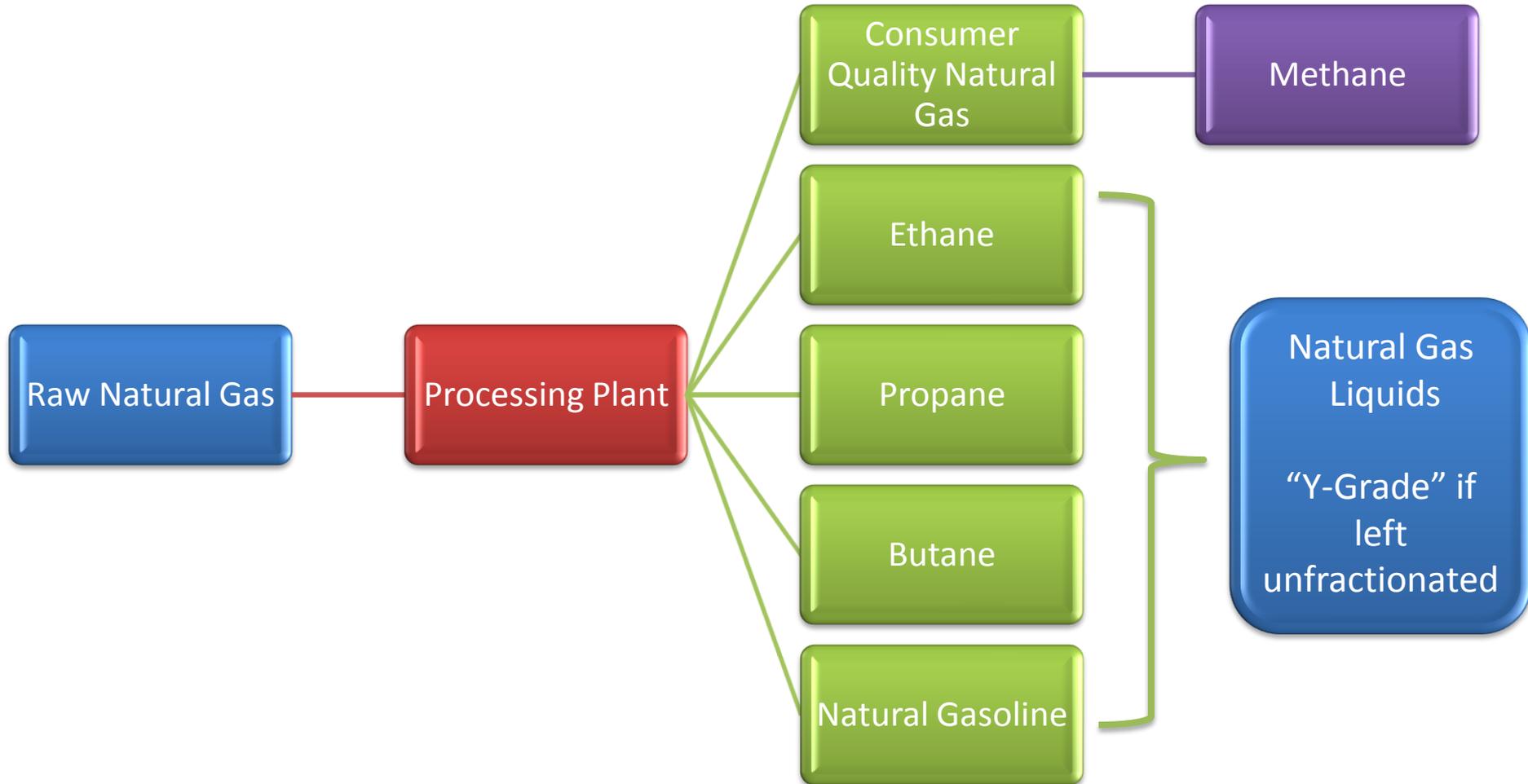


Alliance Tioga Lateral Pipeline



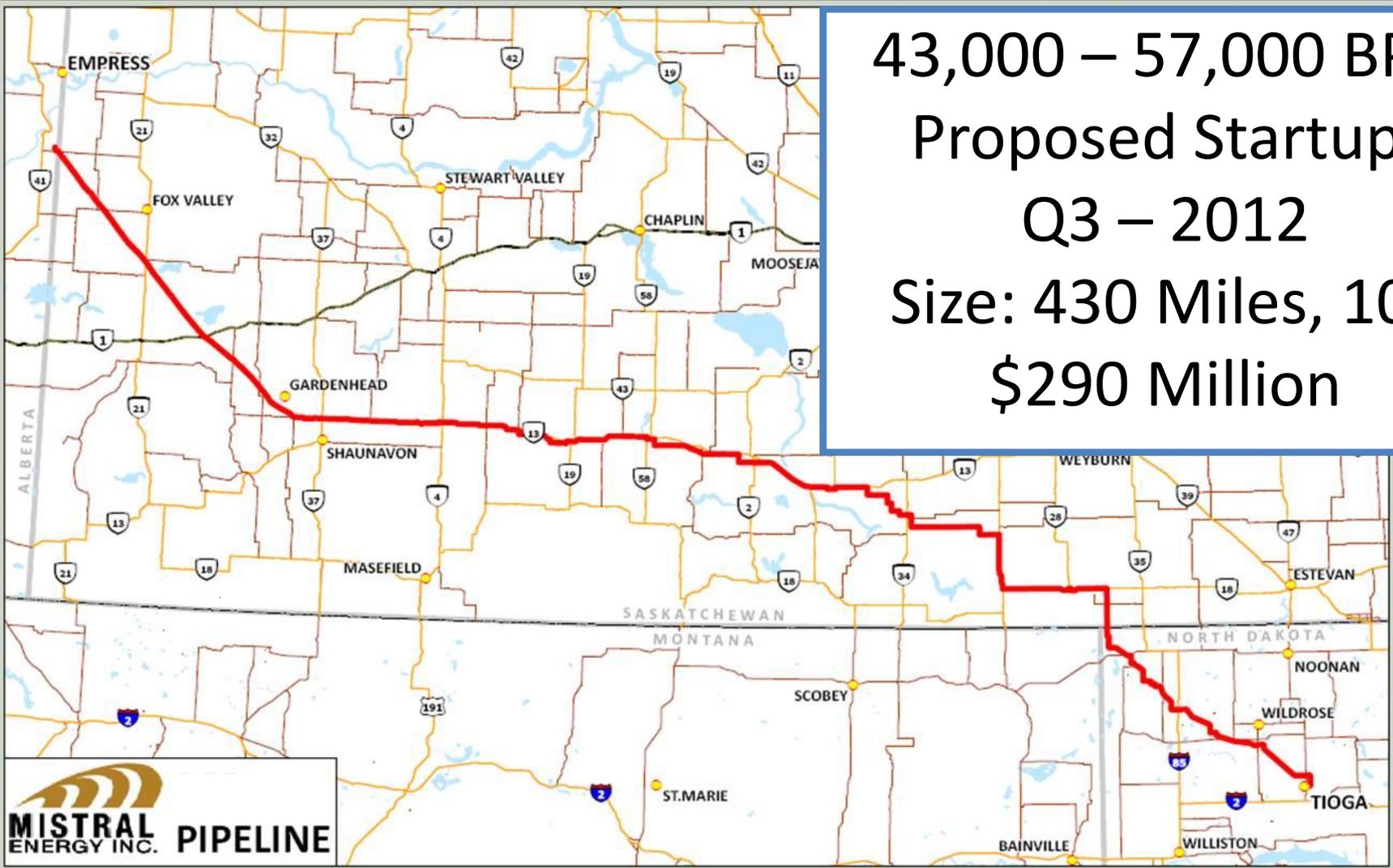
Initial Design 120,000 MCFD
Proposed Startup: July 2013
Size: 80 Miles, 12"-16"

Natural Gas Processing With Ethane Extraction



Vantage Pipeline: Ethane

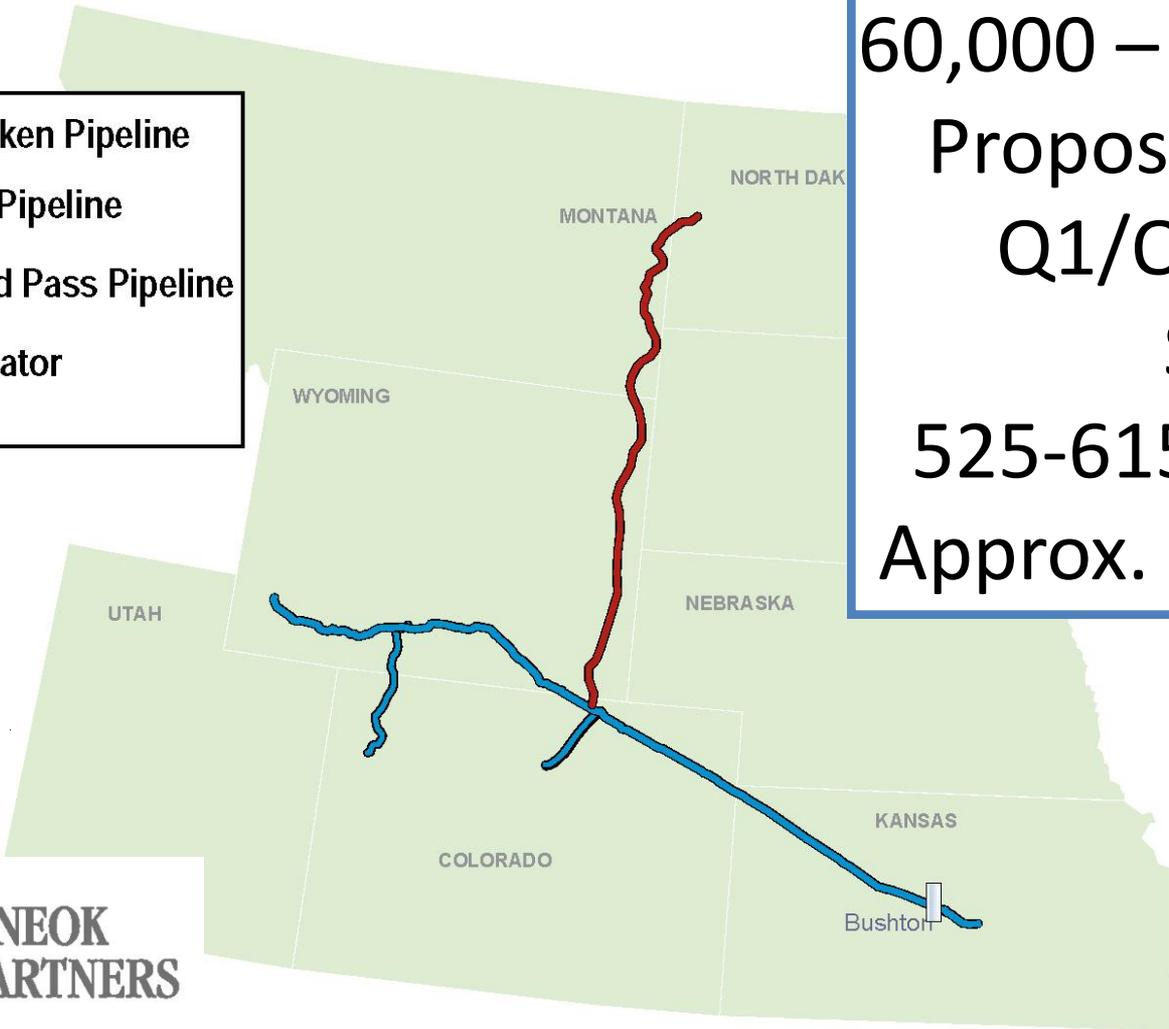
43,000 – 57,000 BPD
Proposed Startup:
Q3 – 2012
Size: 430 Miles, 10”
\$290 Million



ONEOK Bakken Pipeline: Y-Grade

Proposed Bakken Pipeline

-  Bakken Pipeline
-  Overland Pass Pipeline
-  Fractionator



60,000 – 110,000 BPD
Proposed Startup:
Q1/Q2 – 2013
Size:
525-615 Miles, 12”
Approx. \$700 Million

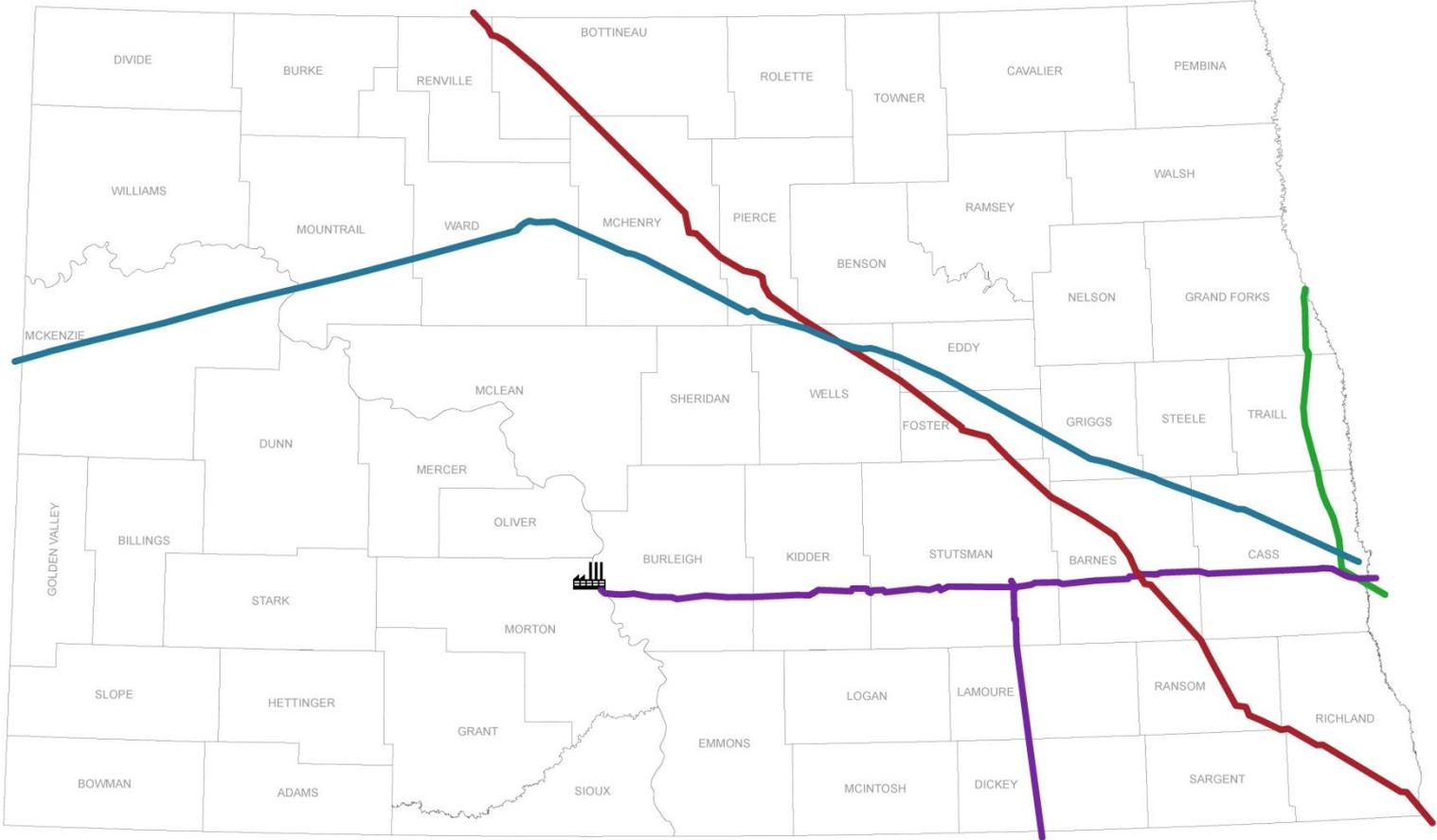


Refining Study



Refining Study

North Dakota Products Pipelines



— Cenex Pipeline LLC - Refined Products — Magellan Midstream Partners LP - Refined Products  Tesoro Mandan Refinery
— Kinder Morgan Cochin - Propane — NuStar Energy - Refined Products

NDPA Monthly Webinars

- Past Slides and Video Available Online

- Industry Experts



- New Topics Each Month

- Audience Interaction



INDUSTRIAL COMMISSION OF NORTH DAKOTA
 NORTH DAKOTA PIPELINE AUTHORITY
 Governor **John Hoeven**
 Attorney General **Wayne Stenehjem**
 Agriculture Commissioner **Doug Goehring**
 Director **Justin J. Kringstad**

The Pipeline Publication

Keeping North Dakota Connected

Volume II Issue IV - December 2009

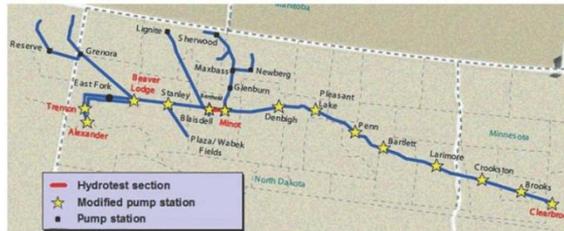
Greetings

Season's Greetings from the North Dakota Pipeline Authority! While the temperature in North Dakota is dropping fast, the activity in North Dakota's oilfields is heating up. With more rigs moving into the basin, improved well completion techniques, and quicker spud to spud times, North Dakota petroleum production is expected to grow for many years to come. Along with the growing crude oil production, several exciting transportation expansion projects are very near completion, with many more in the works. For additional project information, past newsletters, maps, reports, and more please visit the Pipeline Authority website, www.pipeline.nd.gov.

Enbridge Phase VI Expansion Update

The much anticipated Enbridge Phase VI Expansion is nearly complete. Scheduled to be in service on January 1, 2010, the expansion will increase Enbridge's mainline capacity to Clearbrook, MN from 110,000 barrels per day (BOPD) to 161,600 BOPD. Once complete, Enbridge North Dakota will have more than doubled its 2007 system capacity of 80,000 BOPD.

More good news is that Enbridge has no intentions of stopping at 161,600 BOPD and is actively working to gain support from interested shippers for the proposed Portal Reversal Expansion Project or PREP. As proposed, PREP would allow Enbridge to transport an additional 30,000 BOPD by 2011 and up to an additional 115,000 BOPD by 2013.



Details of Enbridge's Phase VI Expansion.
 Source: Enbridge Pipelines LLC - www.enbridge-expansion.com

North Dakota Statistics

	Aug-09	Sept-09	Oct-09
Average Daily Oil Production, BOPD	232,355	238,265	239,067
Average Daily Gas Production, MMCFD	266.66	259.76	253.04
Wells Producing	4,545	4,579	4,606
Average Rig Count	45	51	56

As of December 16, 2009, there are 77 active rigs in North Dakota.

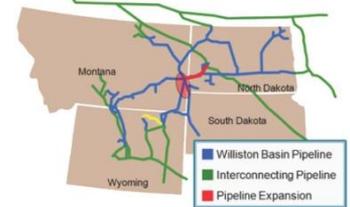
www.pipeline.nd.gov

Prairie Rose Pipeline Nears Completion

An unexpected construction specification change has delayed the startup of the Pecan Prairie Rose Pipeline until Mid-January, 2010. The new 75 mile, 12 inch pipeline is designed to transport up to 80 million cubic feet of unprocessed natural gas per day from Mountrail County to an interconnect with the Alliance Pipeline near Towner, ND.

Proposed Baker Storage Enhancement

Williston Basin Interstate Pipeline Company is developing a project to increase firm deliverability from its Baker gas storage field in eastern Montana. With current firm storage withdrawal rates of 115 million cubic feet per day (MMCFD), Williston Basin sees an opportunity to add an additional 125 MMCFD of firm withdrawal capacity, which would more than double the firm withdrawal rate from Baker. Along with the gas storage field upgrades, Williston Basin is planning a pipeline expansion to transport the increased, firm storage volumes to an interconnect with the Northern Border Pipeline in North Dakota. The project has a proposed in-service date of 2012 and an open season is expected in January 2010.



Source: Williston Basin Interstate Pipeline Co.

Natural Gas Storage Explained

During the mid 1900's, natural gas grew in popularity as a winter heating fuel. As a result, natural gas markets began experiencing seasonal demand swings that needed to be managed using underground storage operations. Depleted natural gas fields are most often targeted for storage due to existing infrastructure and reservoir knowledge. During the summer months when demand is low, natural gas is injected into storage and when demand increases in the winter months, natural gas is withdrawn for consumer use.



ND Pipeline Authority

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 Phone: (701) 220-6227 • Fax: (701) 328-2820
 E-mail: jjkringstad@gmail.com • www.pipeline.nd.gov

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 State Capitol, 14th Floor
 600 E. Boulevard Ave. Dept. 405
 Bismarck, ND 58505-0840



Contact Information

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Phone: (701)220-6227

Fax: (701)328-2820

E-mail: jjkringstad@ndpipelines.com



Know what's below.
Call before you dig.

Website:

www.pipeline.nd.gov

