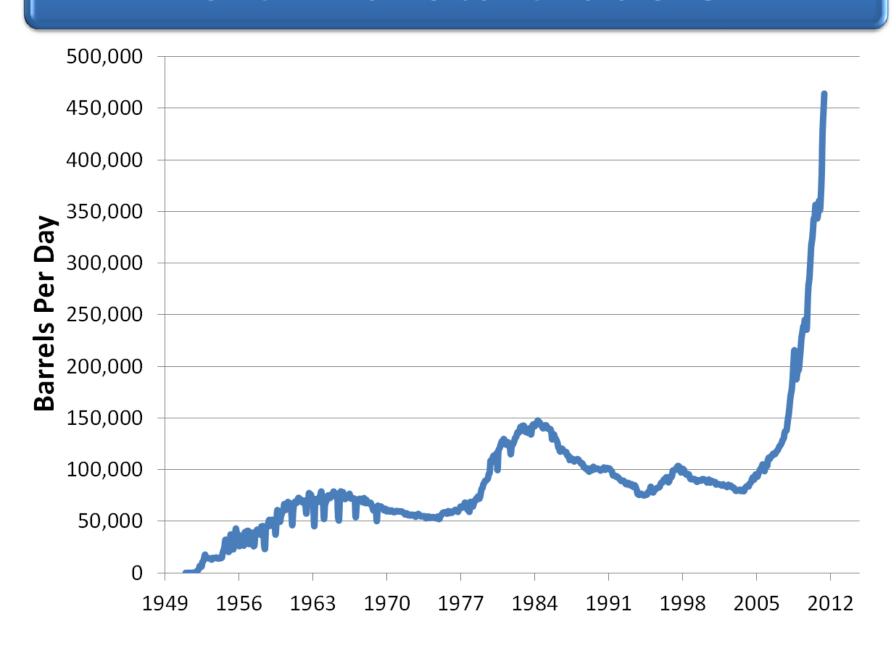


North Dakota Pipeline Authority
Energy Development and Transmission Committee
Justin J. Kringstad
November 29, 2011 – Bismarck, ND

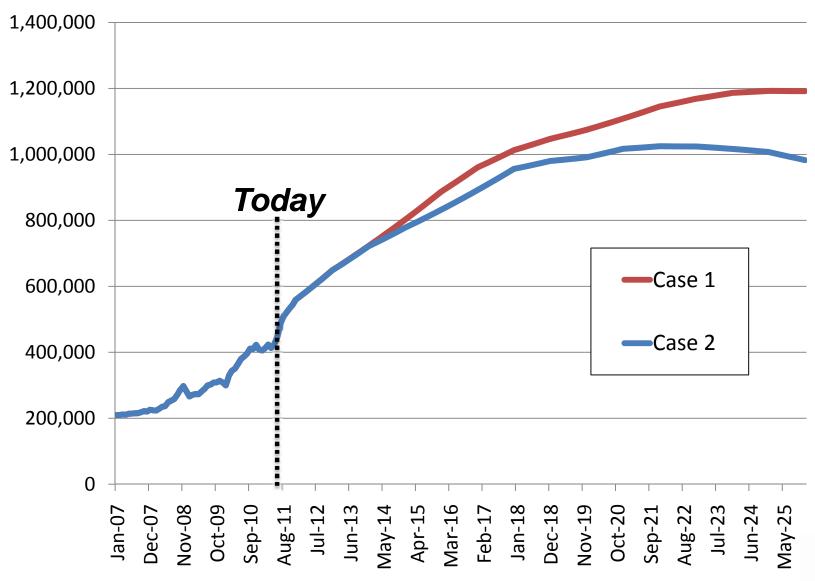
"Goldman Sachs predicted that the U.S. will overtake Russia and Saudi Arabia in six years. Producers and industry insiders noted the untapped reserves in the liquidsrich Bakken Play of North Dakota and Montana, the Granite Wash of western Oklahoma and Texas Panhandle and other previously uneconomical plays."

Tulsa World
October 8, 2011

North Dakota Crude Oil

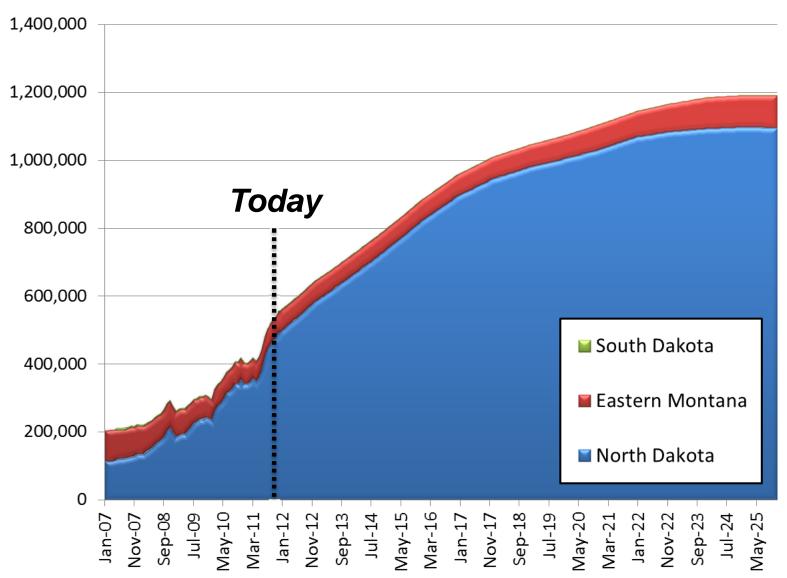


Forecasting Williston Basin Oil Production, BOPD

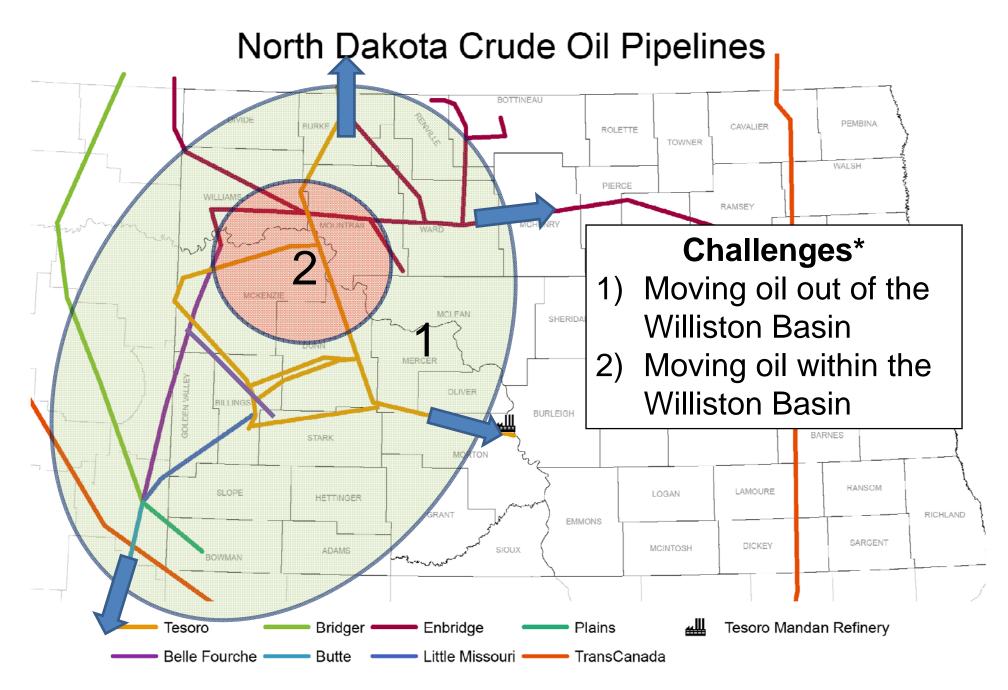


Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

Forecasting Williston Basin Oil Production, BOPD

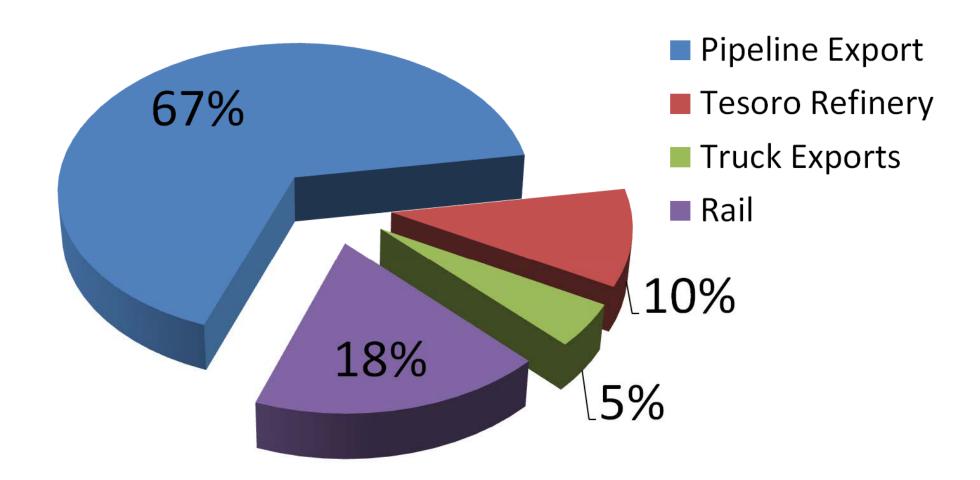


Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

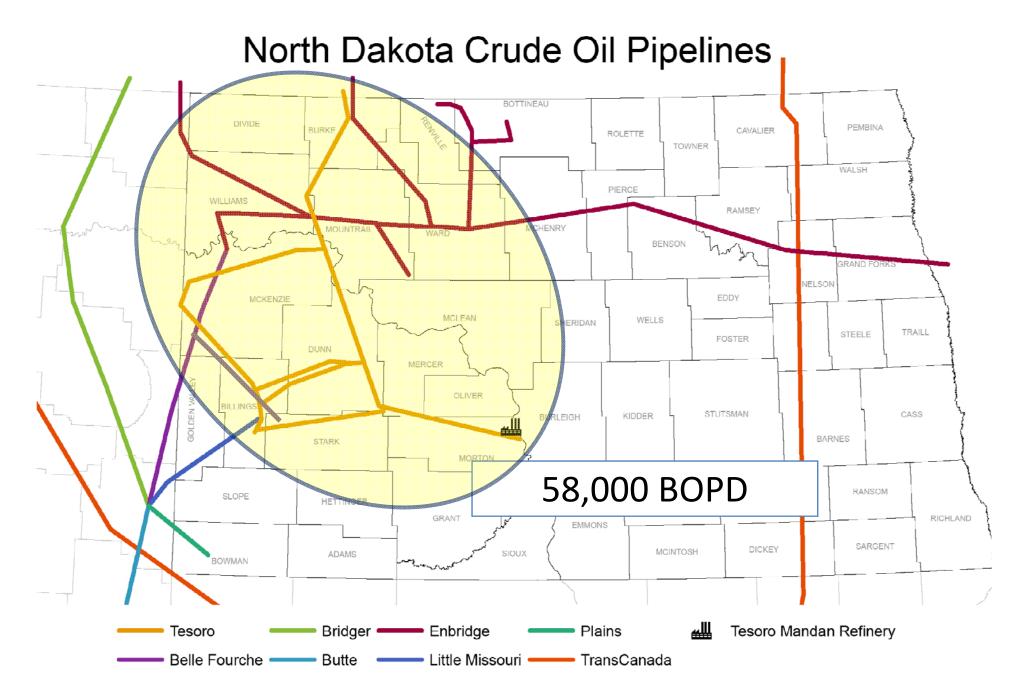


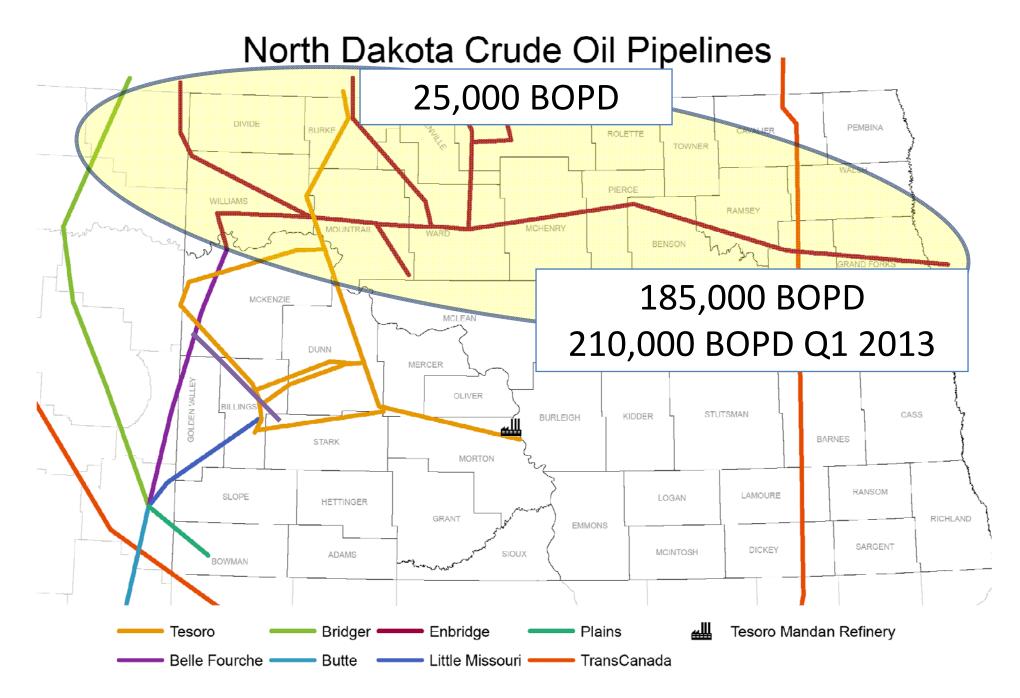
*Modified from Bridger and Belle Fourche Pipelines

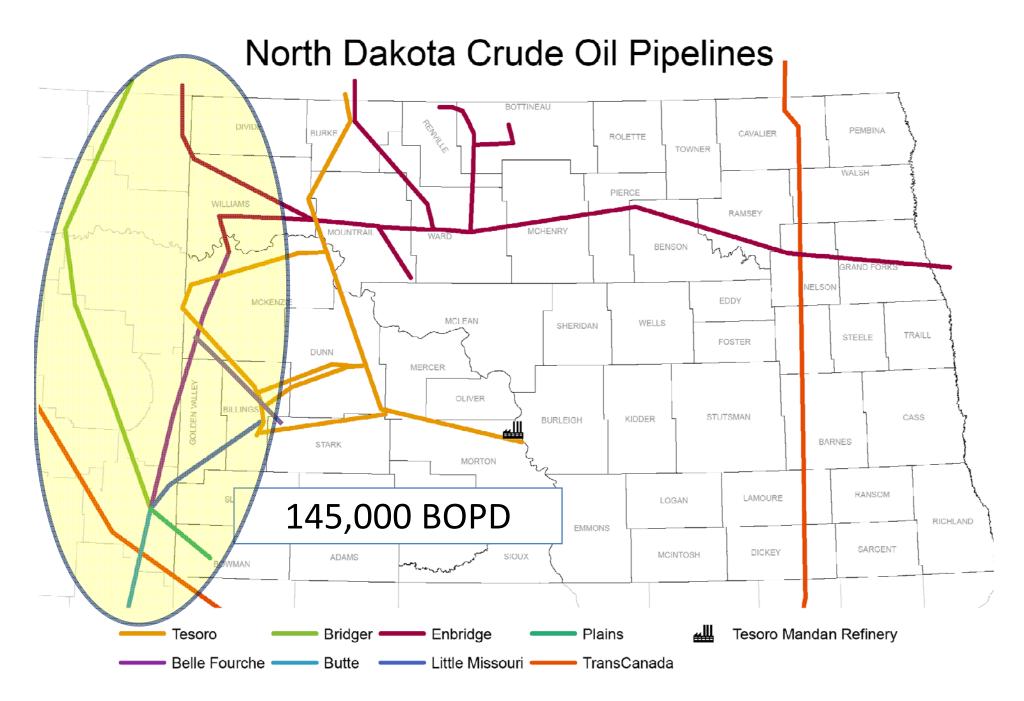
Williston Basin Oil Transportation



September 2011 Estimates





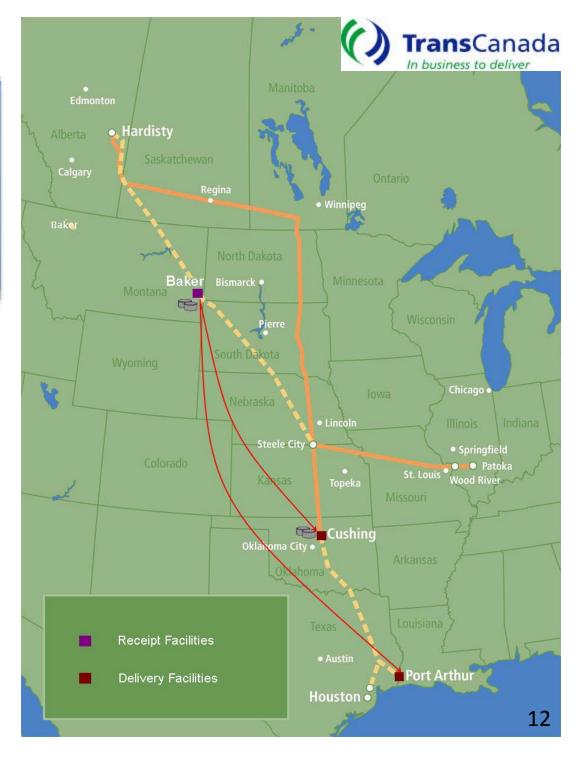


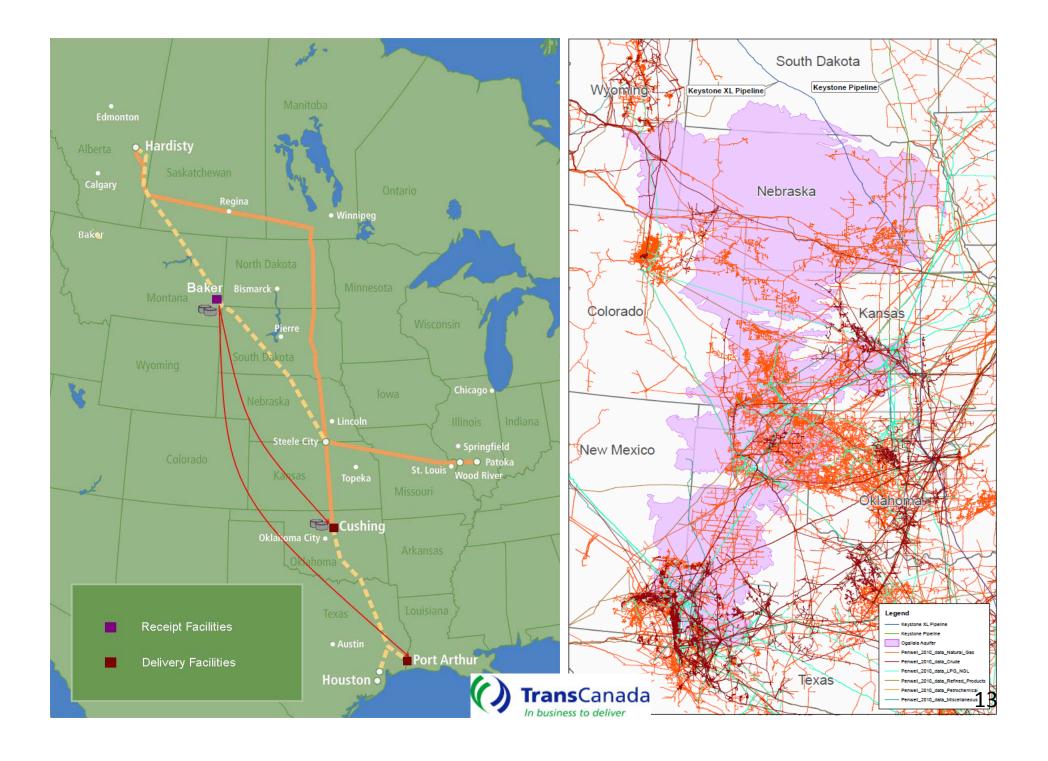
Recent Developments For Post 2011 Crude Oil Transport...

Proposed TransCanada Marketlink

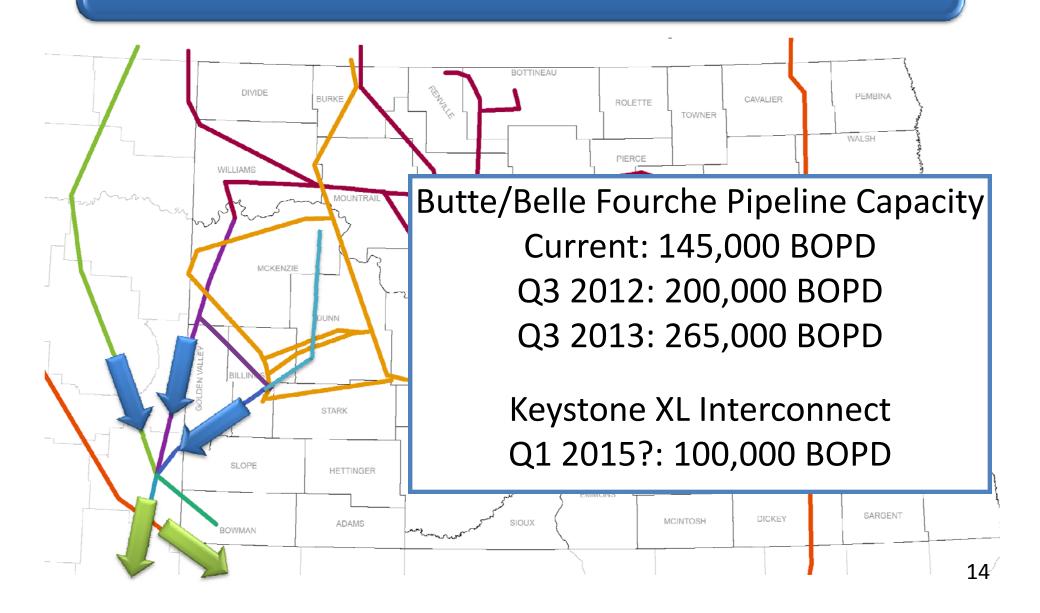
- Successful Open
 Season in 2010
- 2015? Startup
 (Subject to
 Presidential Permit
 – Q1 2013)

Image: TransCanada Notice of Open Season

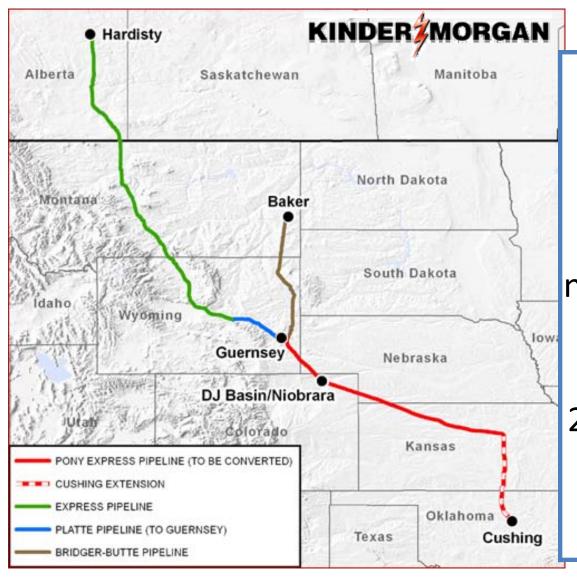




True Co.'s Proposed "Baker 300"



Pony Express Conversion

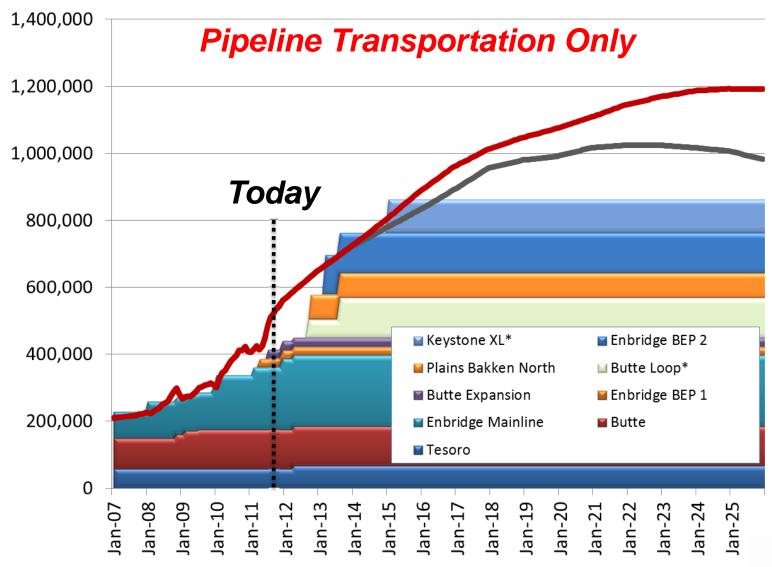


Proposed Capacity 210,000 BOPD Q1 2014

Convert 500 miles of natural gas pipeline to oil service

210 miles of new pipe to Cushing, OK

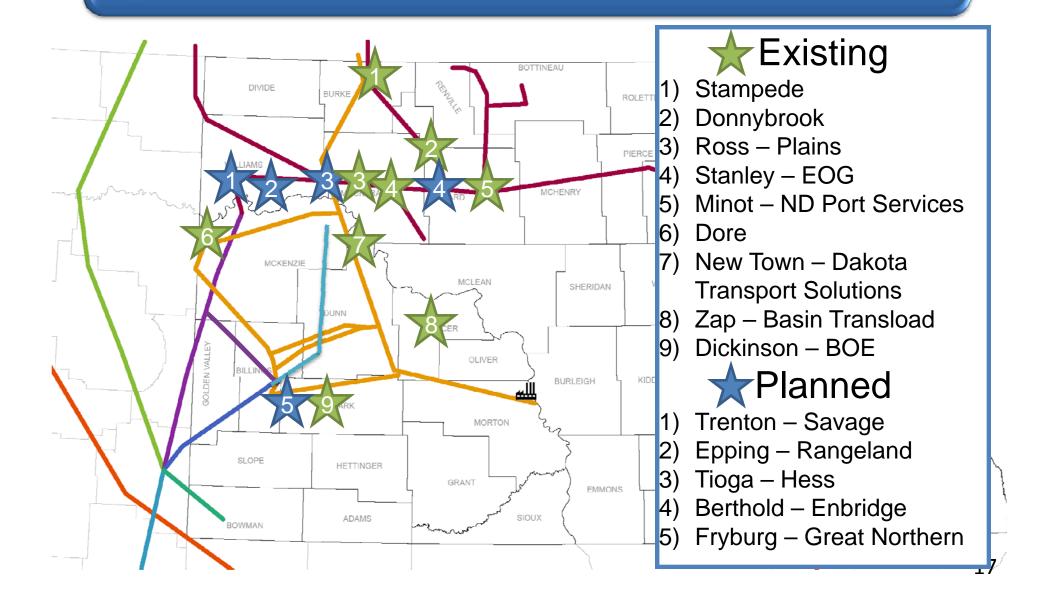
Williston Basin Oil Production & Export Capacity, BOPD



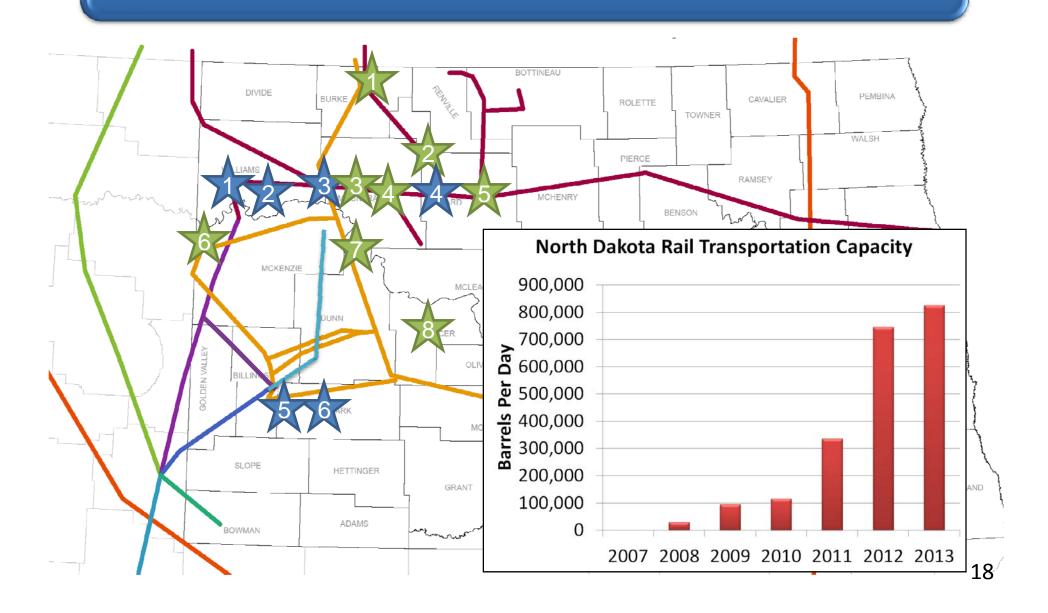
Production forecast is for visual demonstration purposes only and should not be considered accurate for any near or long term planning.

*Projects still in the proposed or internal review process

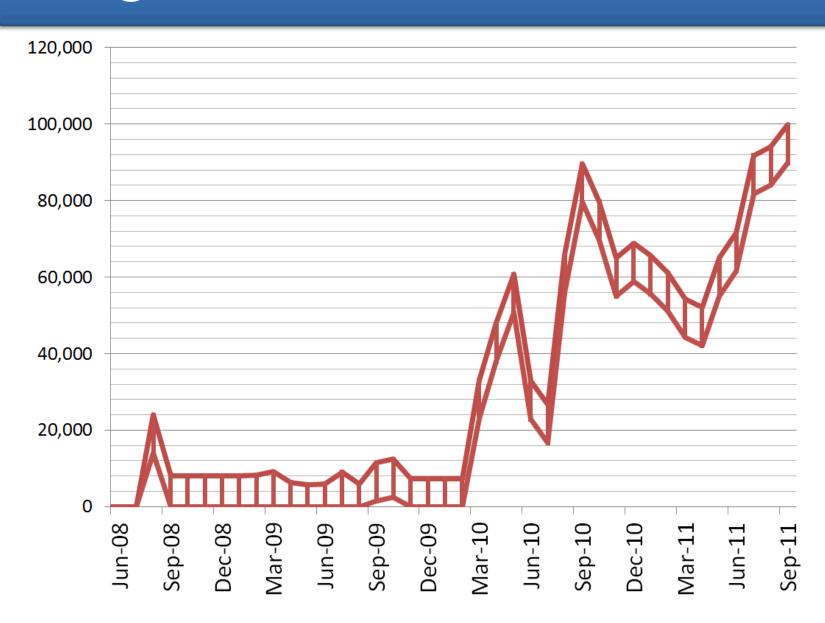
Existing & Planned Rail Locations



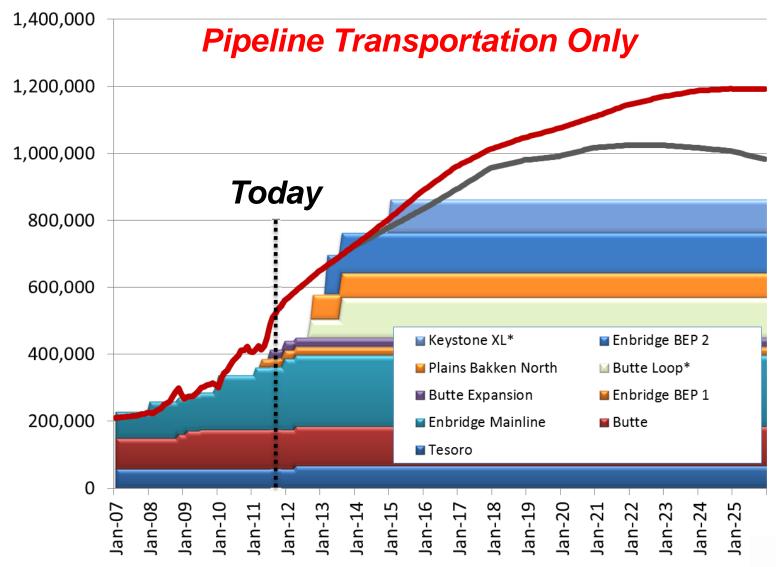
Existing & Planned Rail Locations



High-Low Rail Estimate, BOPD



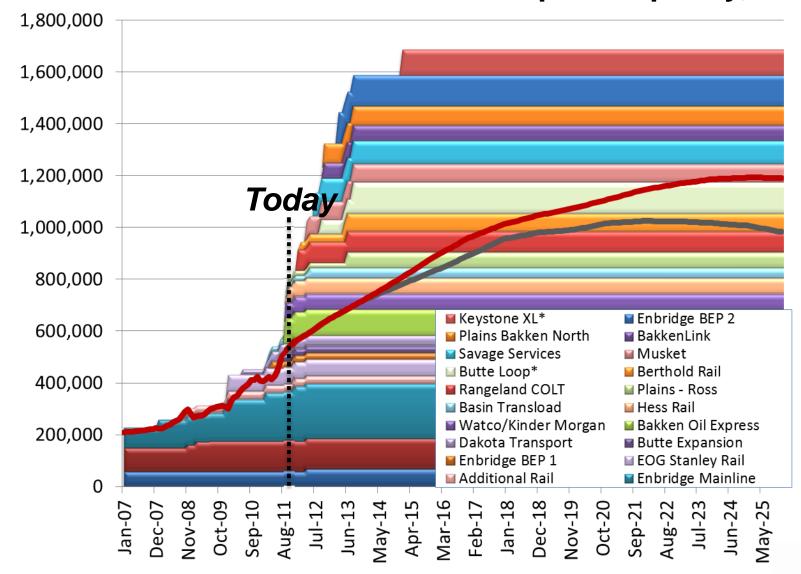
Williston Basin Oil Production & Export Capacity, BOPD



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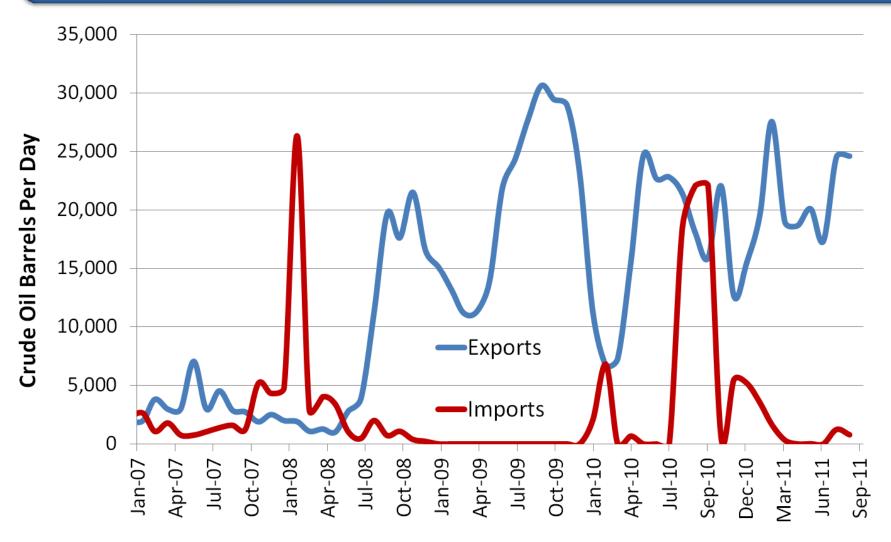
Williston Basin Oil Production & Export Capacity, BOPD



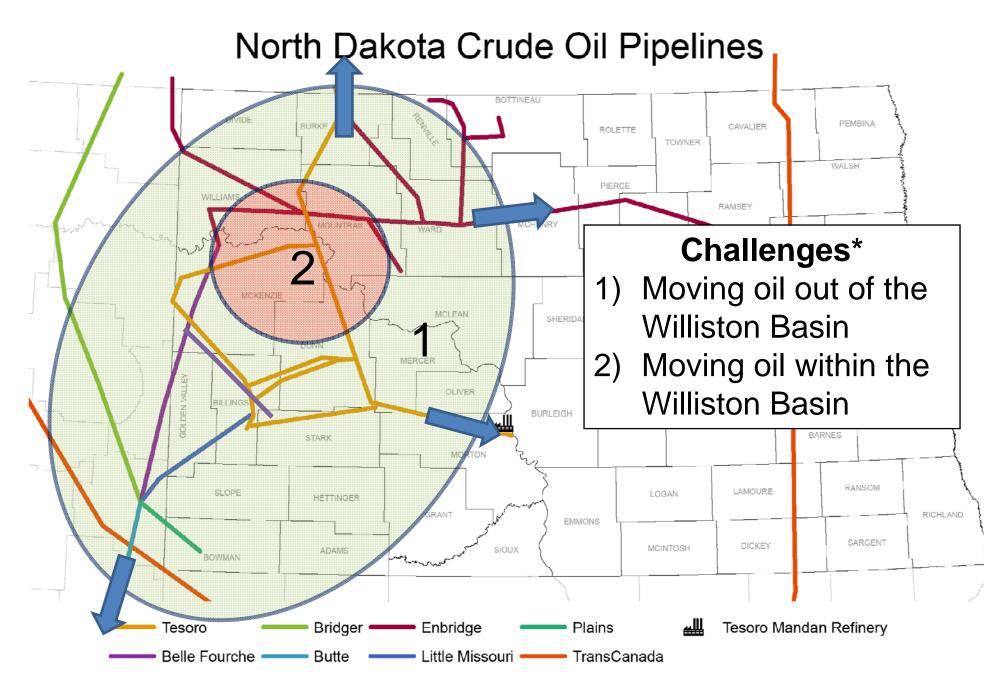
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*Projects still in the proposed or internal review process

Williston Basin Truck Imports/Exports



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

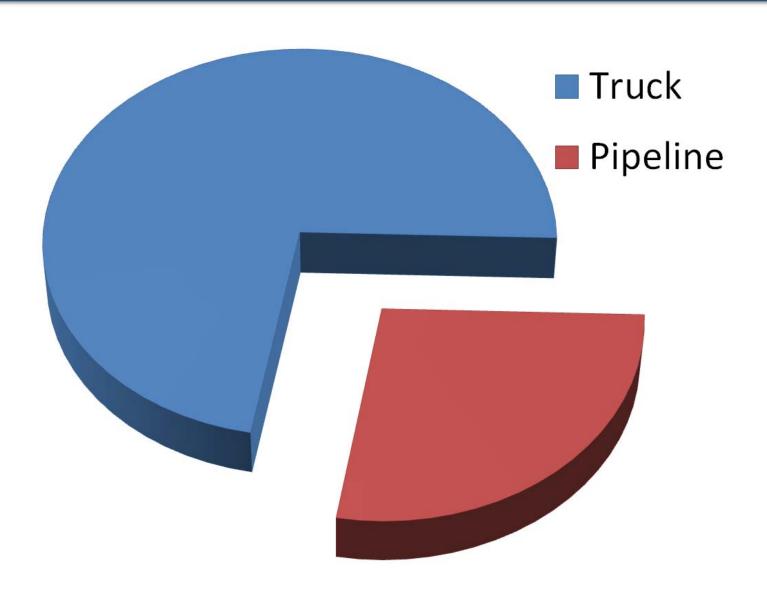


*Modified from Bridger and Belle Fourche Pipelines

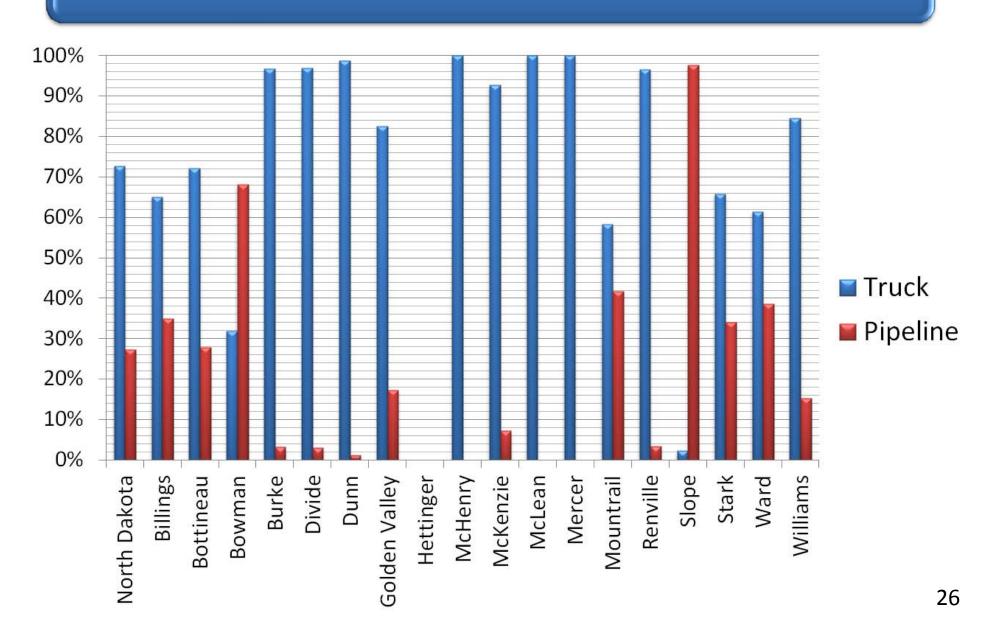
North Dakota Crude Gathering

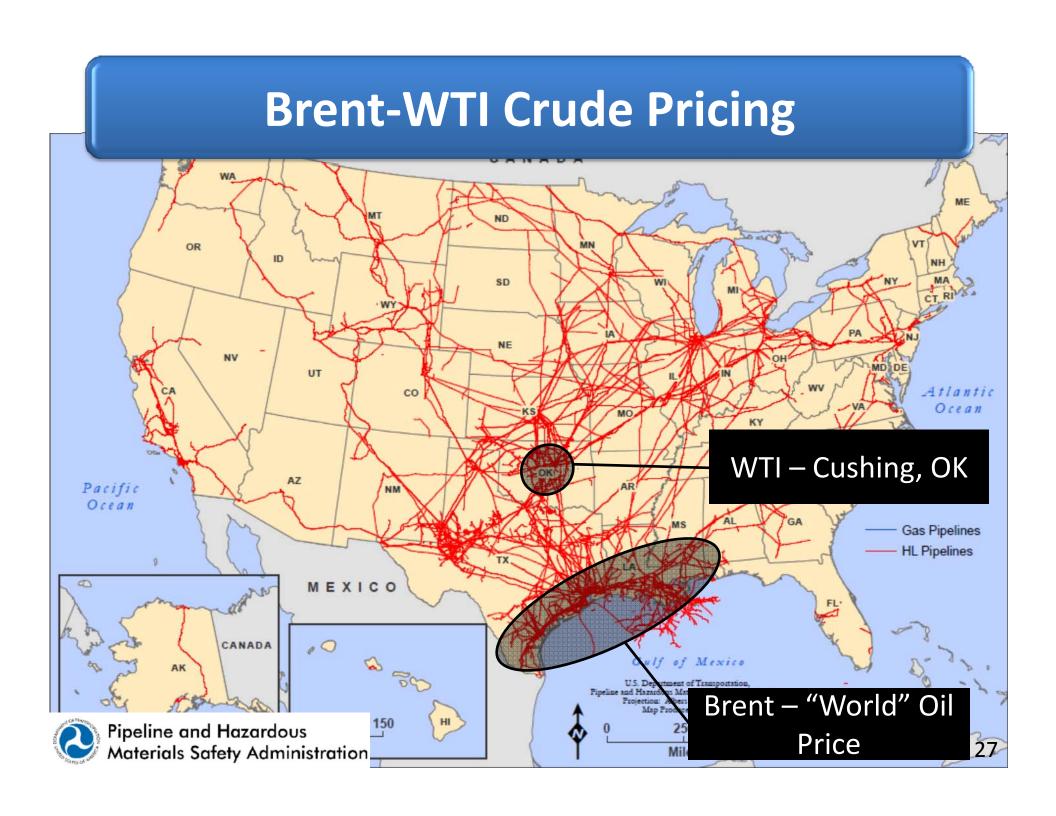


North Dakota Crude Gathering

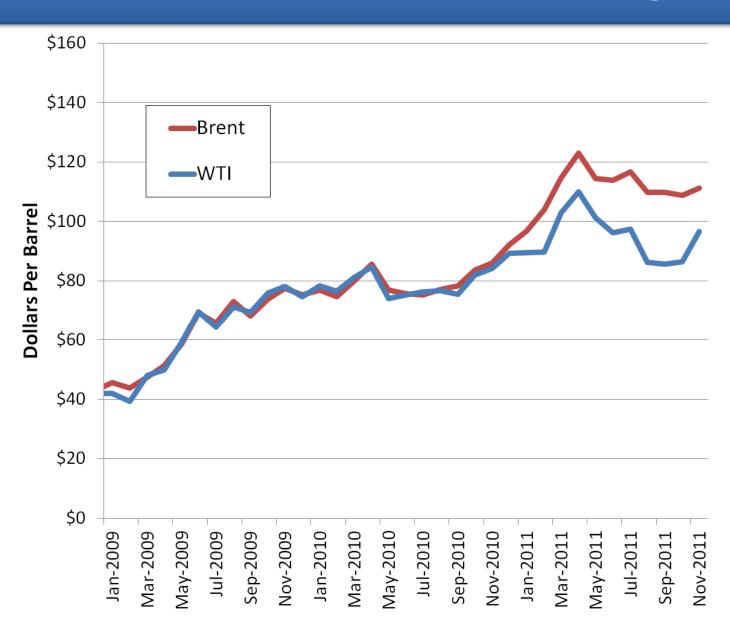


Crude Gathering By County

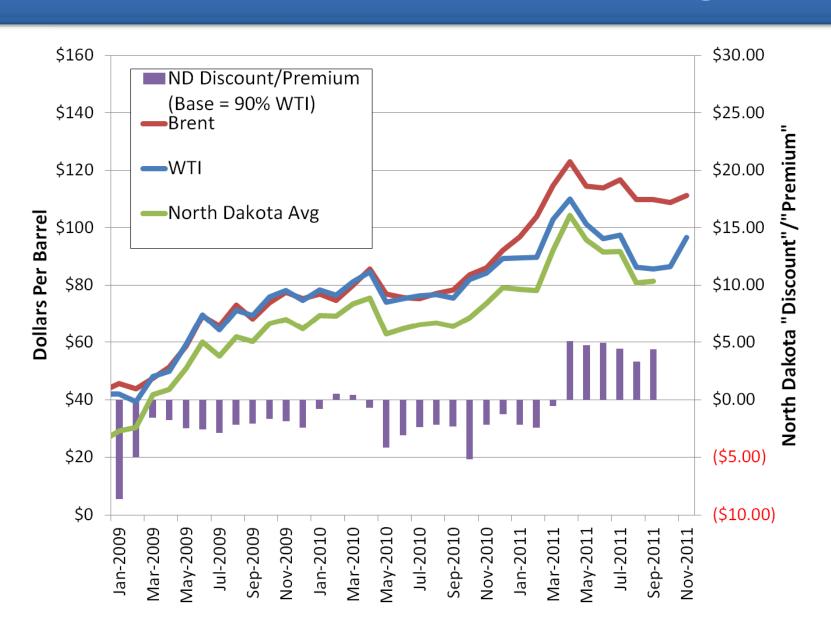




Brent-WTI Crude Pricing



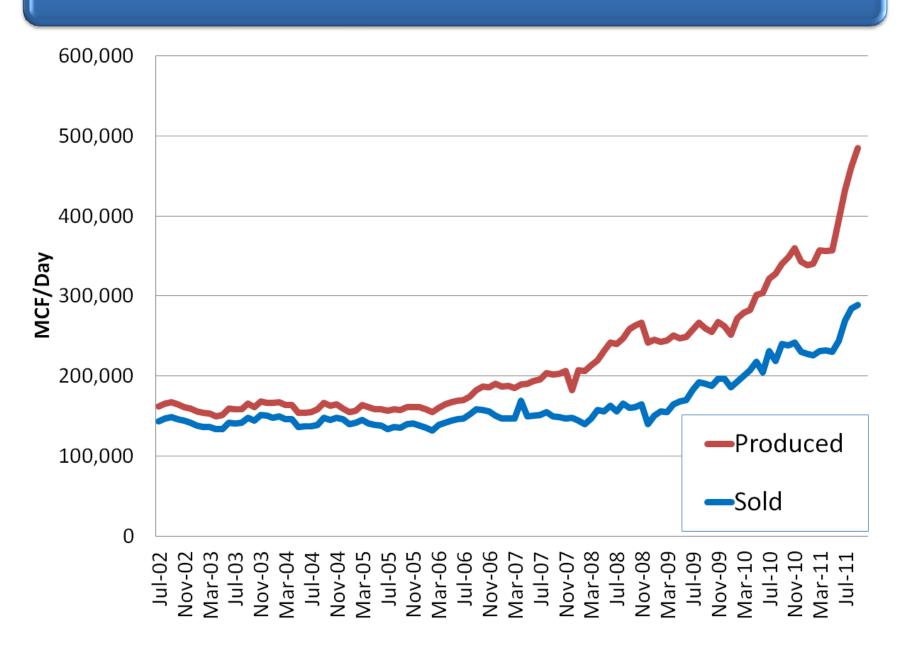
Brent-WTI-ND Crude Pricing



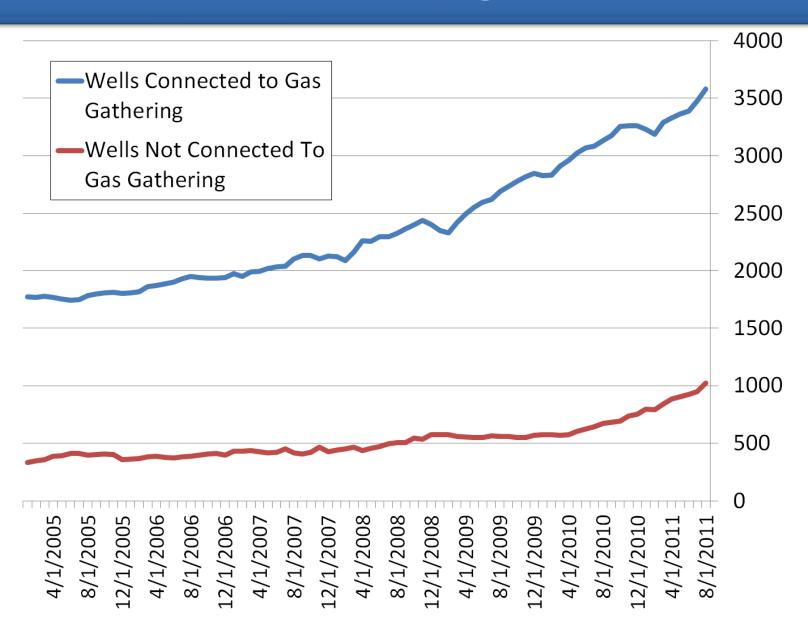
Natural Gas Projects



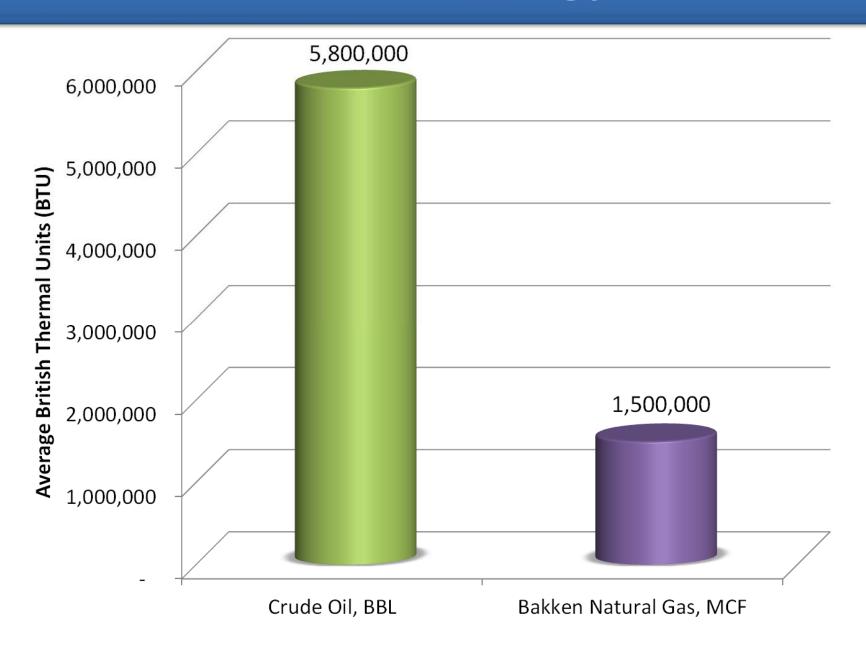
ND Gas Production



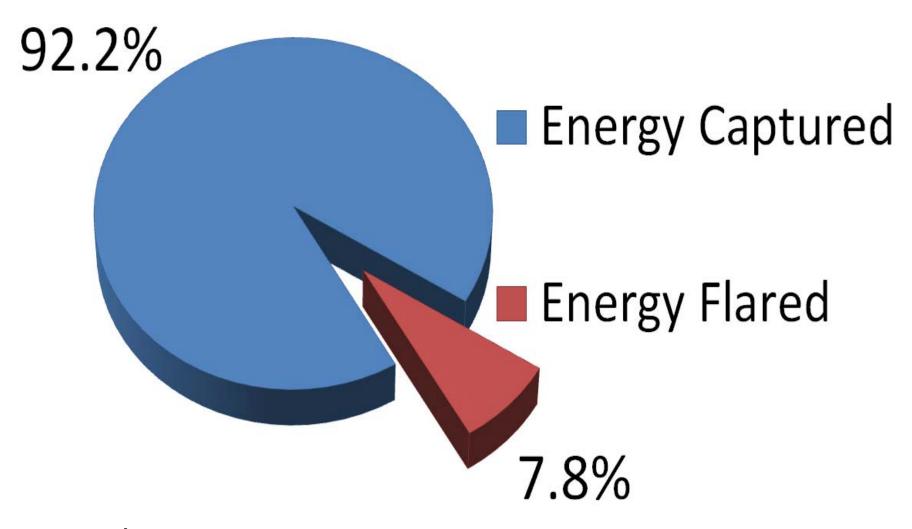
ND Gas Gathering Statistics



Bakken Resource Energy Content

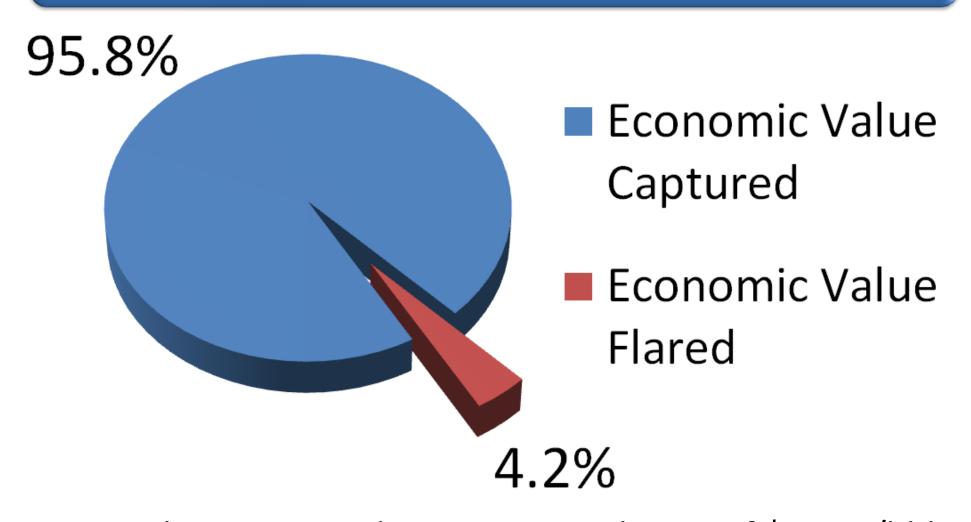


ND Oil & Gas Development Efficiency



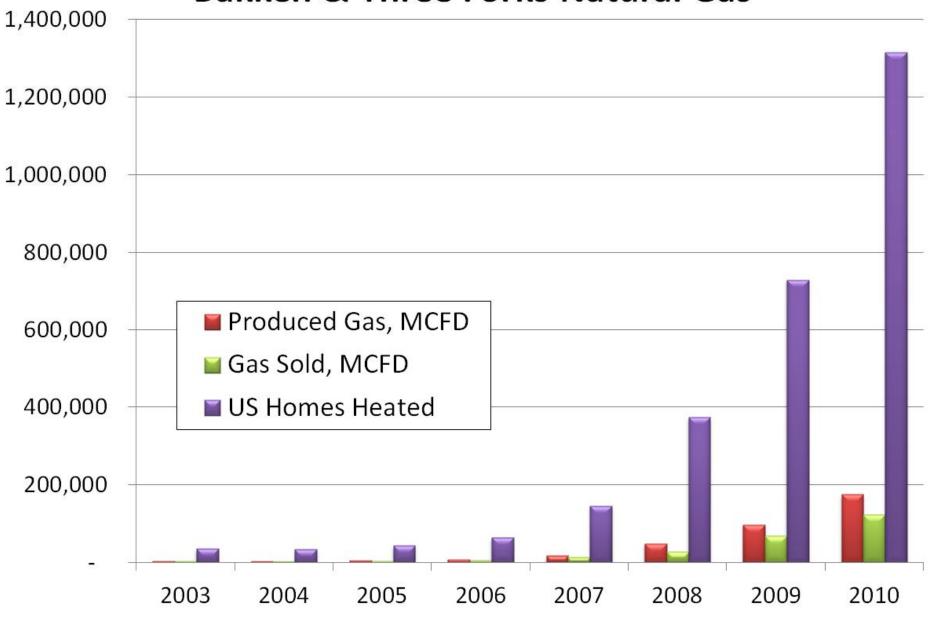
September 2011 Data

ND Oil & Gas Development Efficiency

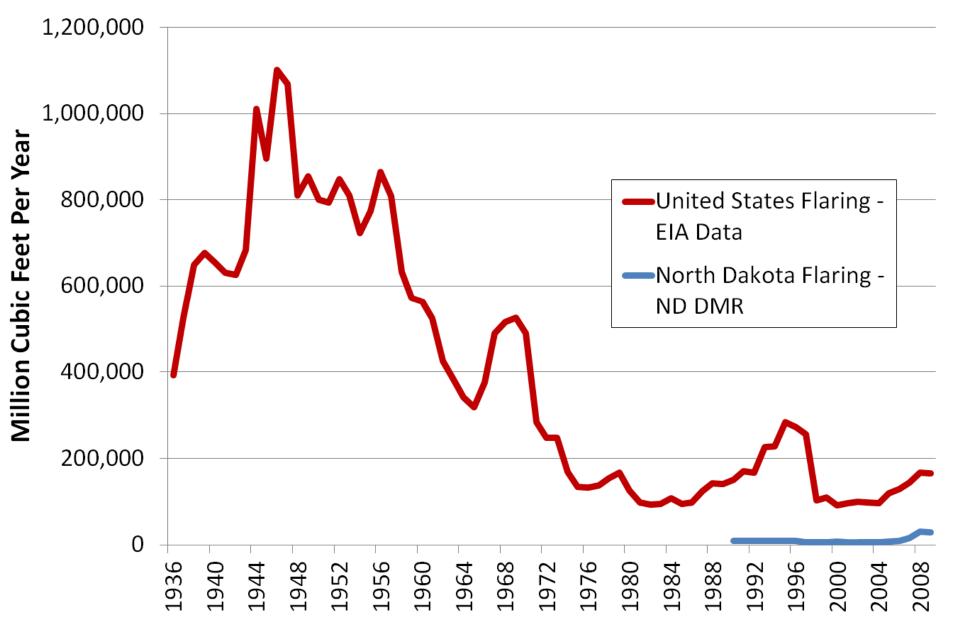


September 2011 Production Data, Oil Price of \$81.38/bbl, Est. Natural Gas/NGL Wellhead Price of \$10.00/MCF

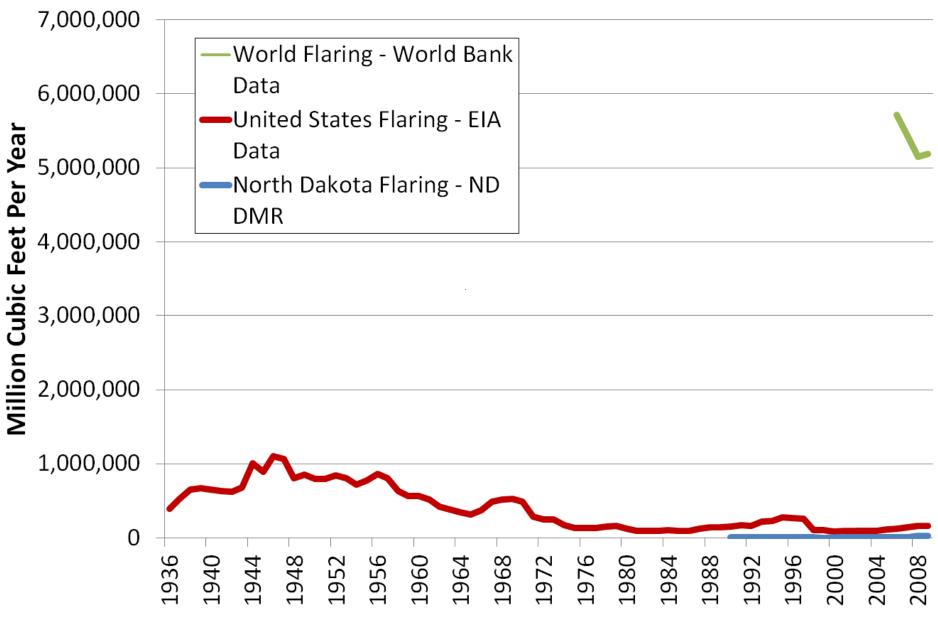
Bakken & Three Forks Natural Gas



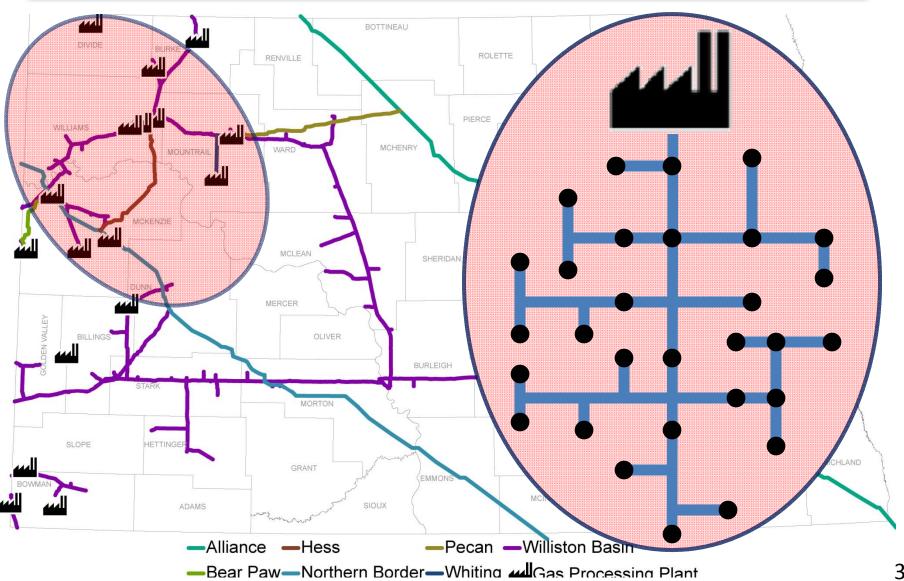
United States - North Dakota Natural Gas Flaring



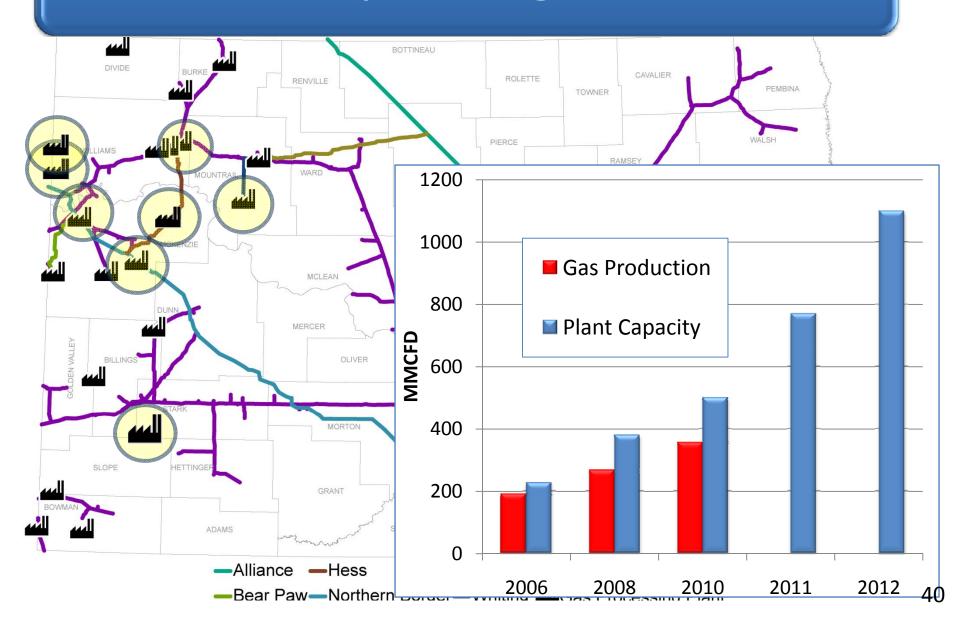
World Natural Gas Flaring

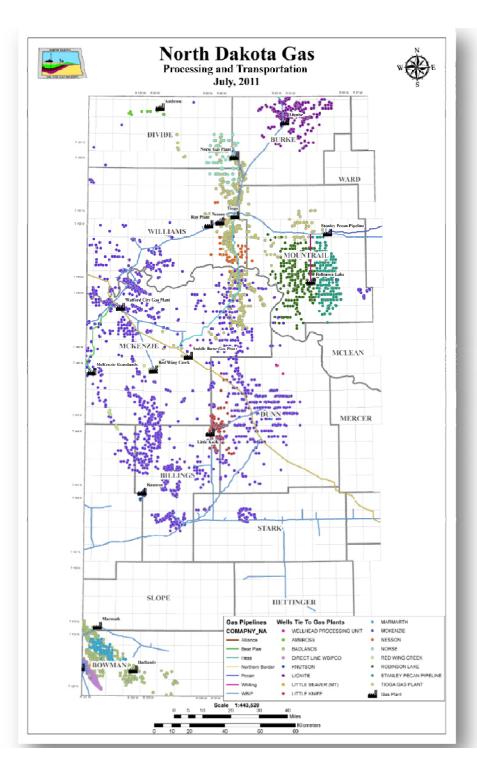


Natural Gas Challenge I



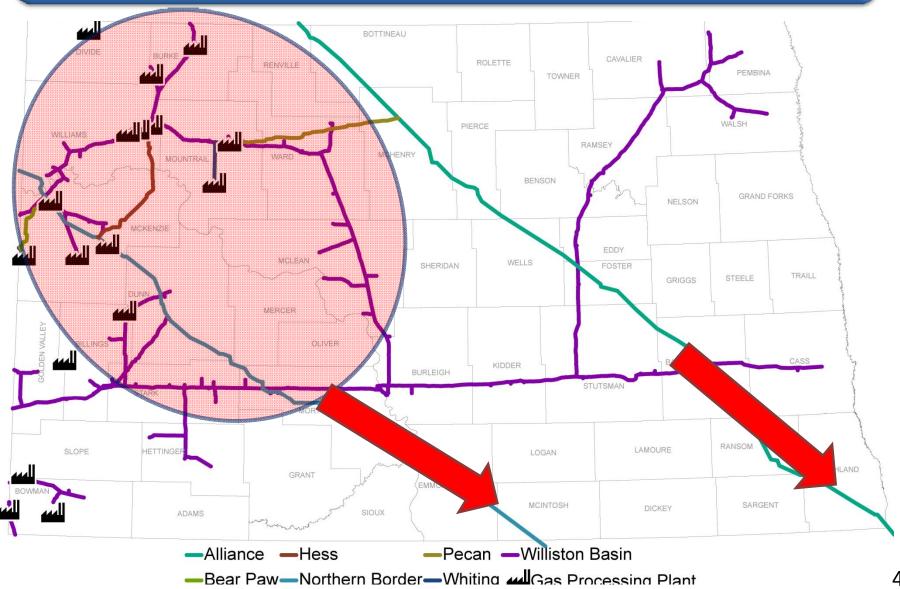
New or Expanding Gas Plants





North Dakota Natural Gas Processing and Gathering

Natural Gas Challenge II



NDPA Webinars



Contact Information

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