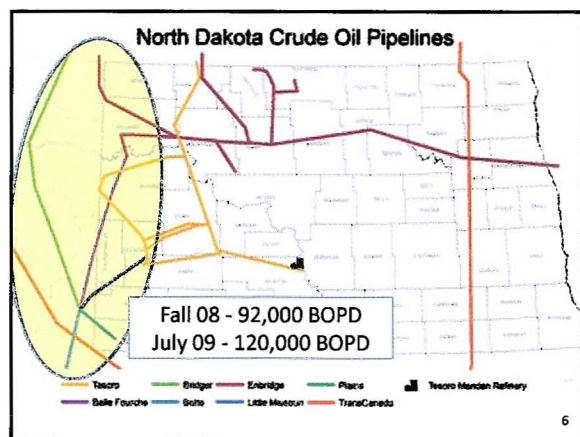
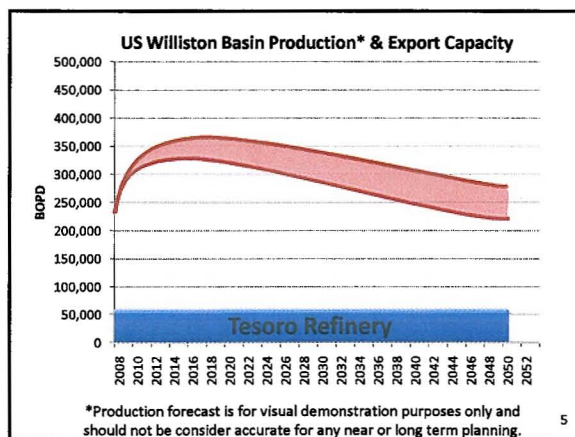
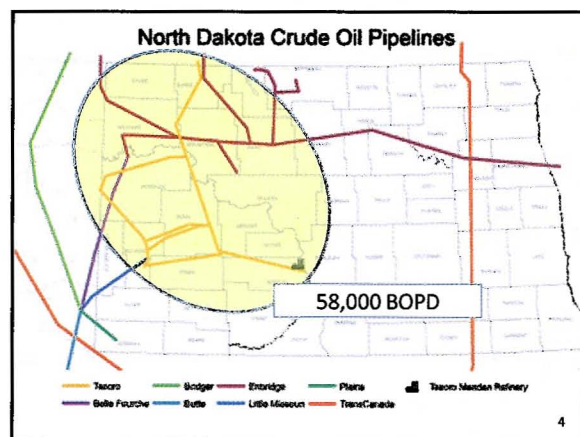
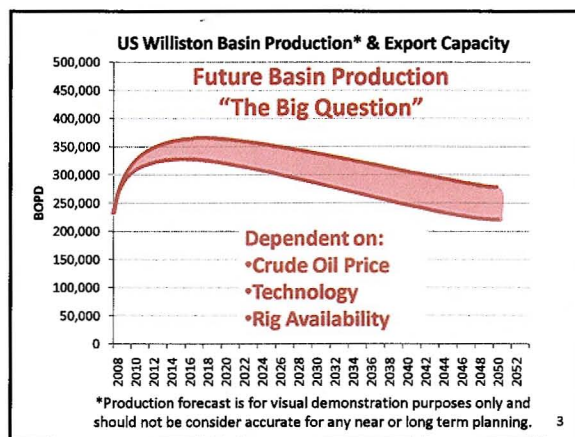
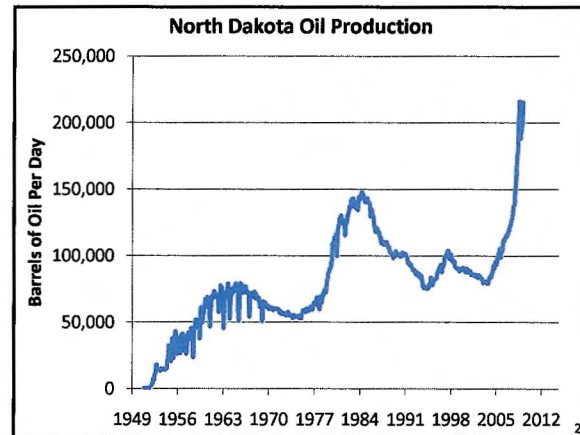
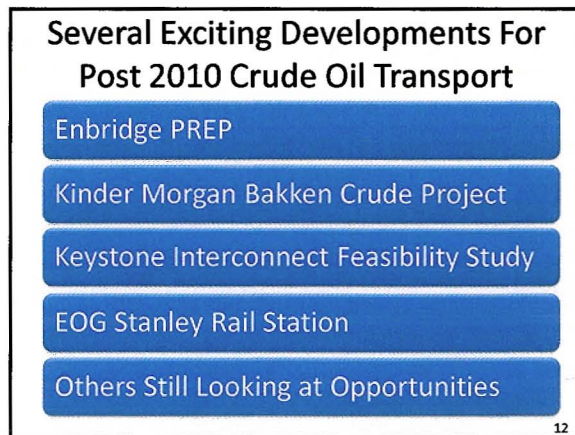
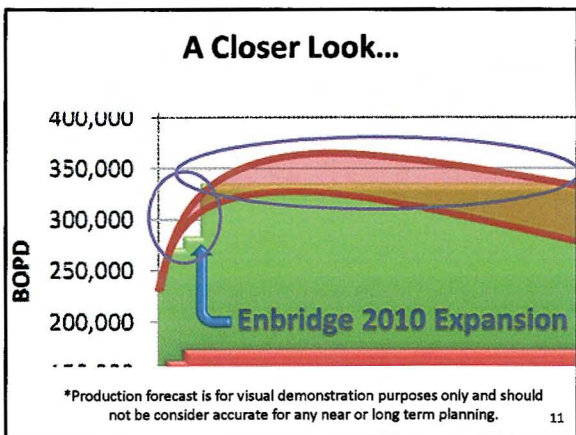
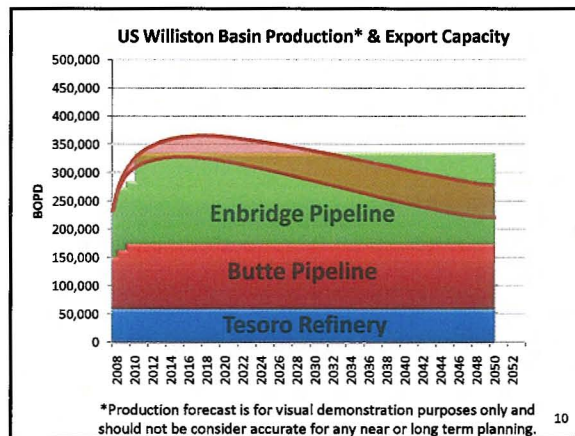
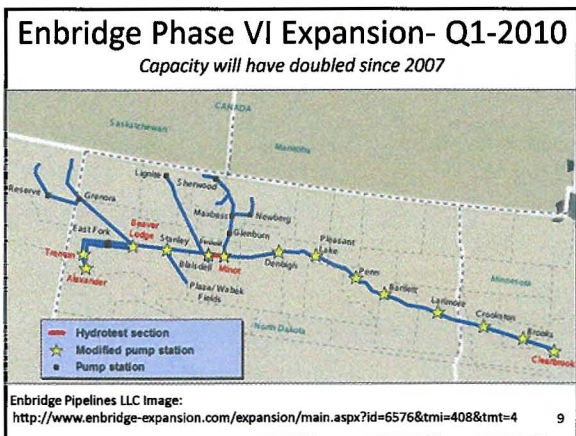
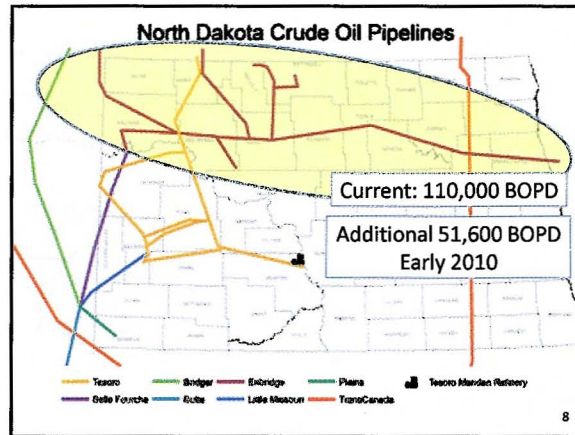
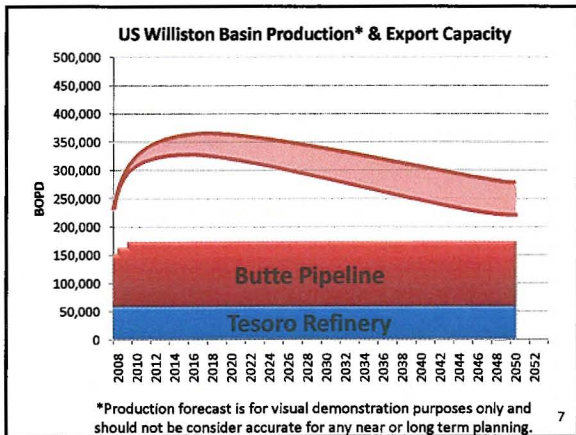




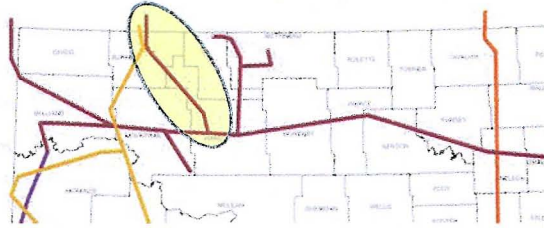
North Dakota Pipeline Authority

Energy Development and Transmission Committee
August 19, 2009



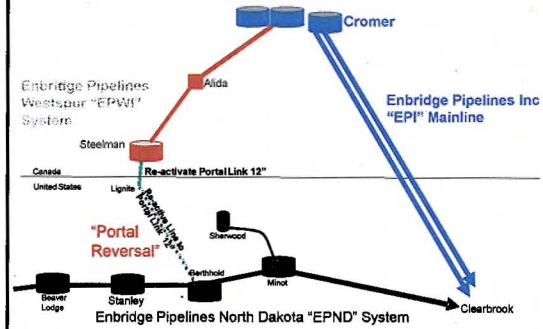


Enbridge PREP (Portal Reversal Expansion Project)



13

Enbridge's Potential Portal Reversal Expansion



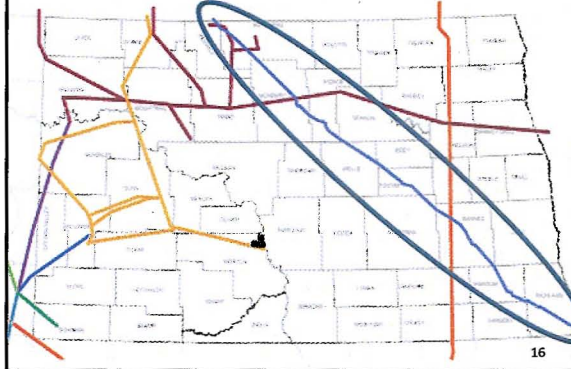
14

Enbridge PREP Details

- Project still under internal review process
- First phase (30,000 BOPD) could be complete by summer 2011
- Subsequent expansions could provide up to 115,000 BOPD into Cromer, MB by 2013

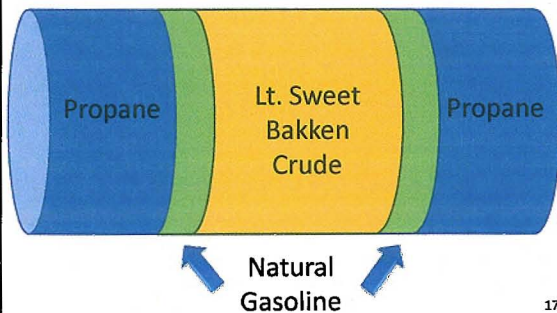
15

Kinder Morgan Bakken Crude Project



16

Kinder Morgan Bakken Crude Project



17

Kinder Morgan Bakken Crude Project



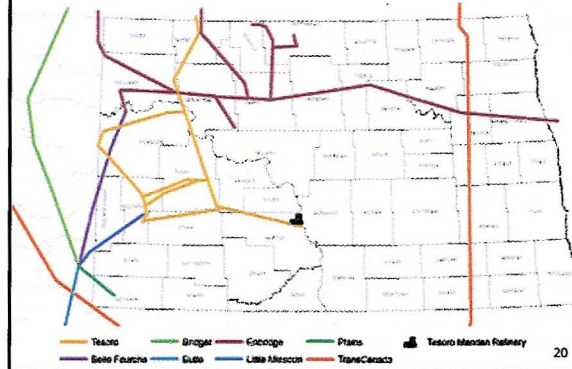
18

Kinder Morgan Details

- Open season held May 29-July 17, 2009
- Open season results under internal review
- Up to 30,000 BOPD batched in existing propane line
- Proposed in-service date: February 1, 2011
- Seeking 80% commitment, 3 or 5 year terms

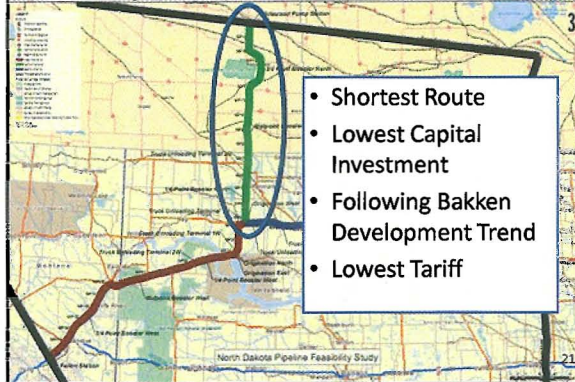
19

Keystone Interconnect Study



20

Keystone Interconnect Study



21

Study Overview

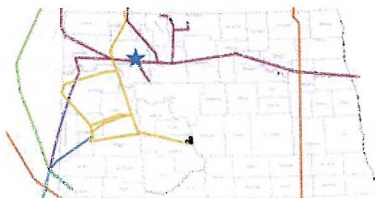
Route	North		East		West	
Pipeline Length	169 Miles		240 Miles		188 Miles	
System	10"	12"	10"	12"	10"	12"
System Capital Cost (Millions)	\$195	\$199	\$242	\$252	\$210	\$215
Pipeline Cost/Mi	\$602M	\$698M	\$621M	\$715M	\$615M	\$707M
Ops Cost (\$/bbl)	\$0.26	\$0.19	\$0.31	\$0.21	\$0.26	\$0.21
Tariff @ 15% IRR (\$/BBL)	\$4.24	\$4.22	\$5.25	\$5.32	\$4.59	\$4.57
Interface Volume*	18.5MBBL		10.9MBBL		20.8MBBL	

*Interface Volume per Batch Shipped on TransCanada/Keystone Pipelines

22

EOG Rail Facility Details

- New facility at Stanley, ND
- Two 60,000 bbl tanks under construction
- Facility should be operational this fall



23

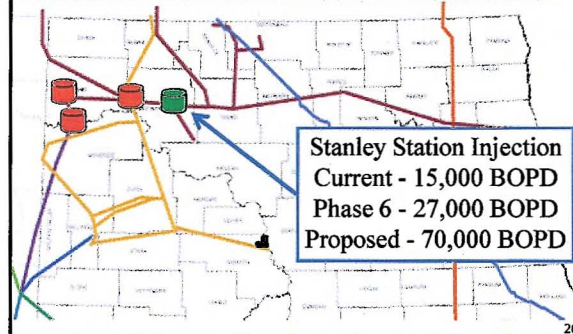


24

Other Area Projects...

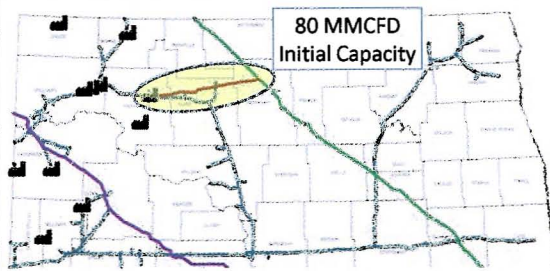
25

Enbridge Stanley Injection Project



26

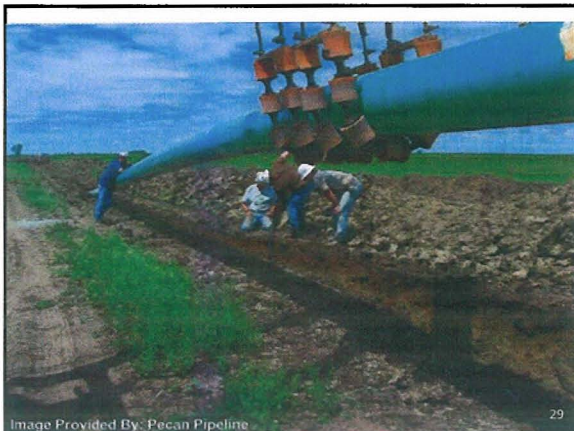
Pecan's Prairie Rose Pipeline



27



28



29

The Pipeline Publication

Information for the Pipeline Industry

Headlines

Pecan Pipeline Plans to Carry Broken Gas to Alliance Pipeline

The new Pecan Pipeline will carry broken gas to the Alliance Pipeline, which will then transport it to the North Dakota Pipeline. The Alliance Pipeline is currently under construction and is expected to be completed by late 2010.

Pipeline Authority Revisits Study

The Pipeline Authority has revisited its study on the proposed pipeline, taking into account new information and feedback from stakeholders. The study is expected to be completed by early 2010.

Pipeline Authority Participates in Public Hearings

The Pipeline Authority has held public hearings to gather input from the community. The hearings were held in several locations along the proposed pipeline route.

New Pipeline Under Construction

The new pipeline is currently under construction and is expected to be completed by late 2010. The pipeline will carry broken gas to the Alliance Pipeline, which will then transport it to the North Dakota Pipeline.

Enbridge On Expansion to the North

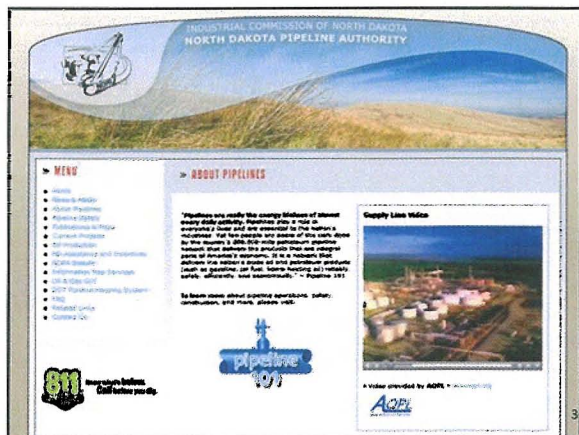
Enbridge is currently expanding its pipeline network to the north, adding new capacity to its existing system. The expansion is expected to be completed by early 2010.

North Dakota Statistics

Category	Value
Production (MMbbl/d)	1.1
Consumption (MMbbl/d)	0.8
Export (MMbbl/d)	0.3

For more information, contact the Pipeline Authority at (701) 785-1234.

30



Summary

- Anticipated that North Dakota will need additional capacity for transporting crude oil to market after 2010
- Several options being actively pursued
 - Enbridge's proposed portal reversal
 - Kinder Morgan's Bakken Crude Project
 - New interconnecting pipeline
 - Other options most likely in the works
- NDPA looks ahead with optimism as we continue to develop North Dakota's pipeline infrastructure³²

Thank You!

North Dakota Pipeline Authority

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

Phone: (701)220-6227
Fax: (701)328-2820
E-mail: jjkrinstad@gmail.com

Website:
www.pipeline.nd.gov

