

ENBRIDGE ENERGY, LIMITED PARTNERSHIP

TEN YEAR PLAN REPORT

2012

Prepared for submission to the North Dakota Public Service Commission

Section A: Existing Energy Conversion Facilities

1. Enbridge Energy, Limited Partnership (formerly Lakehead Pipe Line Company, Limited Partnership) (hereinafter "Enbridge Energy") is a common carrier engaged in the transportation of liquid hydrocarbons via its pipeline system, which runs from North Dakota to New York. Enbridge Energy is not a utility, does not operate any energy conversion facilities and therefore does not file Federal Energy Regulatory Commission Form No. 67.
2. Not Applicable (See Item 1. above).

Section B: Energy Conversion Facilities Under Construction

1. Not Applicable.
2. Not Applicable.

Section C: Proposed Energy Conversion Facilities on which Construction is Intended Within the Ensuing Five Years

1. Not Applicable.
2. Not Applicable.
3. Not Applicable.
4. Not Applicable.

Section D: Proposed Energy Conversion Facilities During the Next Ten-Year Time Period

1. Not Applicable.
2. Not Applicable.
3. Not Applicable.

Section E: Existing Transmission Facilities (Electric)

1. Not Applicable.
2. Not Applicable.
3. Not Applicable.

Section F: Existing Transmission Facilities (Pipeline)

- 1. Location of each facility within the state. See Exhibit "A." (2 Parts)
- 2. Type and Capacity: design specifications of each facility:

a.	<u>Facility</u>	<u>Product Type</u>
	26 inch pipeline	Crude Petroleum
	34 inch pipeline	Crude Petroleum
	20 inch pipeline	Crude Petroleum/Natural Gas Liquid
	20 inch pipeline	Crude Petroleum
	36 inch pipeline	Crude Petroleum
	36 in pipeline (AC)	Crude Petroleum
b.	<u>Facility</u>	<u>Length of Facility (miles)</u>
	26 inch pipeline	28
	34 inch pipeline	28
	20 inch pipeline	28
	20 inch pipeline	28
	36 inch pipeline	28
	36 inch pipeline (AC)	28
c.	<u>Facility</u>	<u>Pipe Size</u>
	26 inch pipeline	26 inches
	34 inch pipeline	34 inches
	20 inch pipeline	20 inches
	20 inch pipeline	20 inches
	36 inch pipeline	36 inches
	36 inch pipeline (AC)	36 inches

Section F: Existing Transmission Facilities (Pipeline) (cont.)

d.	<u>Facility</u>	<u>Maximum Design Operating Pressure</u>
	26 inch pipeline	809 psi
	34 inch pipeline (16 miles)	619 psi
	1997 34" pipeline Replacement (12 miles)	757 psi
	20 inch pipeline	1,460 psi
	20 inch pipeline	1,260 psi
	36 inch pipeline	991 psi
	36 inch pipeline (AC)	1,313 psi

e.	<u>Facility</u>	<u>Maximum Design Flow Rate</u>
	26 inch pipeline	491,000 BBLs./Day
	34 inch pipeline	433,000 BBLs./Day*
	20 inch pipeline	263,000 BBLs./Day
	20 inch pipeline	206,000 BBLs./Day
	36 inch pipeline	884,000 BBLs./Day
	36 inch pipeline (AC)	500,000 BBLs./Day

*Change in flowrate with completion of the conversion to light crude service project.

f. Compressor or pumping station specifications including type, horsepower, output pressure, and capacity:

Joliette, North Dakota Pump Station:

Operates on the 20-inch pipeline

Three units - electric, motor-driven centrifugal pumps with VFD (variable frequency drive) and selectable start and run capabilities:

Unit 1.1: 3,800 horsepower, flowrate: 309,000 BBLs. /Day BEP (Best Efficiency Point), in service: January 1987

Section F: Existing Transmission Facilities (Pipeline) (cont.)

Unit 1.2: 3,800 horsepower, flowrate: 326,000 BBLs. /Day
BEP, in service: October 1990

Unit 1.3: 3,800 horsepower, flowrate: 326,000 BBLs. /Day
BEP, in service: December 1997

The Joliette, ND Pump Station has high discharge shutdown: 855 psi.

g.

<u>Facility</u>	<u>Minimum Cover over Pipe</u>
26 inch pipeline	36 inches
34 inch pipeline	36 inches
20 inch pipeline	36 inches
20 inch pipeline	36 inches
36 inch pipeline	36 inches
36 inch pipeline (AC)	36 inches

3.

<u>Facility</u>	<u>In Service Date</u>
26 inch pipeline (3 miles)	October 1954
26 inch pipeline (25 miles)	September 1956
34 inch pipeline (16 miles)	September 1967
1997 34" pipeline Replacement (12 miles)	October 1, 1997
20 inch pipeline	November 1994
20 inch pipeline	February 27, 2009
36 inch pipeline	January 15, 1999
36 inch pipeline (AC)	April 1, 2010

Section F: Existing Transmission Facilities (Pipeline) (cont.)

4. Projected retirement date of any transmission facility within the next ten-year period: None at this time.

Section G: Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Electric)

1. Not Applicable.
2. Not Applicable.
3. Not Applicable.
4. Not Applicable.

Section H: Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Pipeline)

1. Enbridge Energy does not have any approved plans to construct additional pipeline facilities in North Dakota in the next 5 years unless repairs or maintenance require replacement.
2. See Item 1. above.
3. See Item 1. above.
4. See Item 1. above.

Section I: Proposed Transmission Facilities During the Next Ten-Year Time Period (Electric and Pipeline)

1. Enbridge Energy does not have any additional plans to construct additional pipeline facilities in North Dakota in the next 10 years unless repairs or maintenance require replacement.
2. See Item 1. above.
3. See Item 1. above.

Section J: Regional Coordination

1. Not Applicable.
2. Not Applicable.
3. Not Applicable.
4. Not Applicable.

Section K: Environmental Information

1. Attached hereto as Exhibits "B", "C" and "D", respectively, please find the following material:

Exhibit B A copy of Enbridge Energy's Environmental Policy Statement.

Exhibit C A document entitled "Environmental Protection" which sets forth Enbridge Energy's philosophy and procedures with respect to protection of the environment.

Exhibit D Parts of Enbridge Energy's Emergency Response Plan.

Section L: Projected Demand for Service

1. Not Applicable (no deliveries of liquid hydrocarbons in North Dakota).
2. Not Applicable.
3. Not Applicable.