



# MAGELLAN PIPELINE COMPANY, L.L.C.

Formerly Williams Pipe Line Company

## TEN-YEAR PLAN REPORT

### SEPTEMBER 2003

1 **PU-2950-03-588** Pages: 6  
Ten Year Plan  
by Magellan Pipeline Company, L.L.C.  
10/08/2003 CC. Comm . . . .

**SCHEDULE A: EXISTING ENERGY CONVERSION FACILITIES**

(Not Applicable)

**SCHEDULE B: ENERGY CONVERSION FACILITIES UNDER CONSTRUCTION**

(Not Applicable)

**SCHEDULE C: PROPOSED ENERGY CONVERSION FACILITIES ON WHICH CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS**

(Not Applicable)

**SCHEDULE D: PROPOSED ENERGY CONVERSION FACILITIES DURING THE NEXT TEN-YEAR TIME PERIOD**

(Not Applicable)

**SCHEDULE E: EXISTING TRANSMISSION FACILITIES (ELECTRIC)**

(Not Applicable)

**SCHEDULE F: EXISTING TRANSMISSION FACILITIES (PIPELINE)**

1. Location: See attached 8 2 X 11 map
2. Type and Capacity
  - a. Petroleum products
  - b. 88.543 miles
  - c. 6 inch diameter pipeline (82.511 miles)  
8 inch diameter pipeline (6.032 miles)
  - d. 6 inch pipeline - 950 MAOP (Maximum Allowable Operating Pressure [psi])  
8 inch pipeline -1100 MAOP
  - e. 6 inch pipeline - 17,400 (bbl/day); based on current MAOP

8 inch pipeline - 28,800 (bbl/day); based on current MAOP

f. Pumping Stations:

Fargo

Prime Mover - 810 HP Dual Fuel (Diesel or Natural Gas) Engine

Pump Centrifugal

Capacity - 1000 bph

Pressure - 1023 psi @ 0.86 sp. gravity

Hillsboro

Prime Mover - 600 HP Electric Motor

Pump Centrifugal

Capacity - 1000 bph

Pressure - 1023 psi @ 0.86 sp. gravity

Buxton

Prime Mover - 700 HP Electric Motor

Pump Centrifugal

Capacity - 1000 bph

Pressure - 1154 psi @ 0.86 sp. gravity

g. Minimum cover over pipe - Approximately 30 inches

3. Pipeline installation dates - 1946 (6") and 1954 (8")

4. No retirement is proposed within the next ten-year time period

**SCHEDULE G: PROPOSED TRANSMISSION FACILITIES ON WHICH  
CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS  
(ELECTRIC)**

(Not Applicable)

**SCHEDULE H: PROPOSED TRANSMISSION FACILITIES ON WHICH  
CONSTRUCTION IS INTENDED WITHIN THE ENSUING FIVE YEARS  
(PIPELINE)**

No transmission facilities are proposed within the next five years.

## **SCHEDULE I: PROPOSED TRANSMISSION FACILITIES DURING THE NEXT 10-YEAR TIME PERIOD (ELECTRIC AND PIPELINE)**

No expansion projects are proposed during the next ten years.

## **SCHEDULE J: REGIONAL COORDINATION**

The existing pipelines provide transportation of refined petroleum products between Fargo and Grand Forks for distribution in eastern North Dakota and western Minnesota.

Based on the demand forecast for such products, these facilities should have sufficient capacity to satisfy energy needs.

No recommendations in regard to regional coordination. Existing facilities are highly reliable.

## **SCHEDULE K: ENVIRONMENTAL INFORMATION**

The existing 6" and 8" pipelines have been in service since 1946 and 1954 respectively. The pipeline is buried and does not interfere with land use, which enhances the environmental acceptability. Pumping stations exist on small remote sites with minimal environmental exposure.

The two product loading terminals at Fargo and Grand Forks have been converted from top-loading truck racks with no vapor controls to bottom loading truck racks with vapor collection and vapor combustors that substantially reduce the amount of hydrocarbon vapors (volatile organic compounds) emitted into the atmosphere. In addition, both terminals have monitor wells in place to monitor for potential groundwater contamination. No changes are anticipated in the future.

## **SCHEDULE L: PROJECTED DEMAND FOR SERVICE**

1. Magellan Pipeline's terminal (truck loading) facilities experienced petroleum product declines of 3.1% from 1993 to 1994, and 6.2% from 1998 to 1999 and 1999 to 2000. All other years, since 1991, have shown growth, with the cumulative growth from 1991 through 2000 being 30.2%. We've seen growth of 1% from 2000 to 2001 and 4% from 2001 to 2002. and volumes are currently showing a decrease, with an anticipated decline of approximately 12% through 2003. After 2003, volumes are expected to essentially remain flat for the forthcoming ten year period.

2. Future growth projections in North Dakota for Magellan Pipeline's system are based on known operating conditions, competitive activities, historical deliveries, and identified new business opportunities at each terminal. These projections are compared with the present and future physical capacity of the system and with slightly larger economic trends, such as projected growth in gross national product and energy demand, in order to arrive at a consensus projection on demand. It should be noted that deliveries made at the North Dakota terminals will have some portion of the product finally delivered by other means to adjoining states.

We currently anticipate there will be spare capacity for the next ten years.

3. Magellan Pipeline operates terminals at Fargo and Grand Forks. Fargo and Grand Forks are directly connected by pipeline. In addition, Magellan delivers to two shipper-operated terminals (Western and Burlington Northern) in Grand Forks.
4. Tesoro has a refinery located at Mandan which delivers refined petroleum products across a truck loading rack facility as well as a terminal facility at Moorhead.
5. KanebPipeline Operating Partnership, L.P. has a terminal facility at Jamestown.
6. Cenex has a petroleum products terminal at Minot and a pipeline which originates in Laurel, MT that transports refined product to the Cenex terminal at Minot, ND and to the Magellan Pipeline System at Fargo, ND.

Canadian refined petroleum products are also distributed into North Dakota.



MINNESOTA

WESTERN  
246

GRAND FORKS  
219



GRAND FORKS  
JCT. 582 24

B.N.R.R.  
279

BUXTON  
529

HILLSBORO  
528

CENEX  
PIPELINE

FARGO  
218-527

FERGUS FALLS  
526

NORTH  
DAKOTA

SOUTH  
DAKOTA

**NORTH DAKOTA  
SYSTEM MILEAGE**

1996

**WILLIAMS PIPE LINE COMPANY**   
ONE OF THE WILLIAMS COMPANIES