

ENBRIDGE ENERGY, LIMITED PARTNERSHIP
LIQUIDS PIPELINES – SUPERIOR REGION

COMMITTED TO SAFE OPERATIONS, ENVIRONMENTAL STEWARDSHIP AND SOCIAL RESPONSIBILITY



**LEADING THE WAY IN
RESPONSIBLE ENERGY DELIVERY**





IN, ACROSS & PART OF THE UPPER MIDWEST

Enbridge Energy, Limited Partnership has proudly operated the Lakehead Pipeline System in North Dakota, Minnesota, Wisconsin, Michigan, Illinois, and Indiana for decades, transporting North American crude oil and natural gas liquids from Canada, Montana and North Dakota to refineries in the Great Lakes region and beyond.

Our underground pipeline system is part of the world's longest liquid petroleum pipeline system and has expanded to meet market demand over the years. Today, we continue to expand to meet transportation needs of energy producers and refiners for growing supplies of North American crude oil. Between the U.S. and Canada, Enbridge has \$26 billion of projects planned through 2015.

Enbridge transports essential North American petroleum so it can be refined into products used every day across the United States from asphalt for roads to jet fuel and gasoline for our vehicles as well as feedstock for fertilizer, plastics, cosmetics, poly-fibers and other petrochemical products. Enbridge transports as much as 2 million barrels (about 84 million gallons) of crude oil every day.

Supporting the North American energy industry requires that Enbridge hire employees to operate, manage, and monitor our pipeline systems and crude oil storage facilities, as well as work with landowners, community leaders, and emergency responders along our pipeline route. In addition, our contractors hire hundreds on expansion and maintenance projects.



Fast Facts

- **System Capacity:** Pipeline delivery – 2 million barrels per day (bpd)
Storage – 13.9 million barrels with 64 crude oil storage tanks in 4 locations
- **System Distance:** 1,900-miles of right-of-way with 5,100 miles of pipe ranging from 12 to 48 inches in diameter.
- **Employed within Superior Region:** More than 600 employees and contractors for pipeline operations and project work.
- **Region Headquarters:** Superior, WI
- **Additional Region Locations:** Thief River Falls and Bemidji, MN; Ironwood and Escanaba, MI; two terminal locations – Clearbrook, MN and Superior, WI; and 27 pump stations
- **Corporate Headquarters:** Houston, TX



Built to Serve

Enbridge's Lakehead Pipeline System serves all the major refining centers in the Great Lakes, the Midwest and Ontario, Canada and, through its connection with affiliated pipelines, Lakehead has increasing access to refineries in the Mid-Continent and Gulf Coast. Total crude oil deliveries on the Lakehead System average 2 million bpd, meeting 100 percent of Wisconsin refinery capacity, approximately 75 percent of Minnesota refinery capacity; 70 percent of the refinery capacity in the greater Chicago area; and 77 percent of Ontario's refinery demand.

Creating a Vital Link

- 1950** Original 1,100-mile line from Edmonton, Alberta, Canada to Superior, WI.
- 1953** 645-mile extension from Superior to Sarnia, Ontario across Wisconsin and northern Michigan.
- 1969** 760-mile line from Superior through Chicago, IL to Sarnia.
- 2008** Southern Access Pipeline completed between Superior and Chicago.
- 2010** Alberta Clipper Pipeline adds more capacity between Edmonton and Superior.

In addition, there have been numerous expansions by way of additional lines, pump stations and line looping along existing routes, which all increase capacity to meet growing market demand.

Did You Know?

- About 13 percent of total U.S. petroleum imports arrives via Enbridge's Lakehead System through Superior, WI.
- The U.S. Department of Transportation credits pipelines as the safest most reliable and efficient manner of transporting crude oil and other liquid petroleum products.
- Americans consume more than 700 million gallons of petroleum products each day.
- Enbridge employs more than 10,000 people in the U.S. and Canada.



Enbridge supplies over 50 percent of crude oil refined by many refineries around the Great Lakes.



A multi-billion dollar series of capacity expansions were completed on the Lakehead System in 2010, with more planned and underway.



Enbridge's U.S. crude oil and natural gas liquids system route.

BETWEEN 2009 AND 2012, ENBRIDGE INVESTED \$47.5 MILLION IN CHARITABLE, NON-PROFIT AND COMMUNITY ORGANIZATIONS BENEFITING MORE THAN 550 ORGANIZATIONS IN THE U.S. AND CANADA.



Integrity digs are an important part of ongoing pipeline maintenance when internal inspection indicates a need. Visual inspection can then be performed, appropriate repairs completed, and property restored to ensure safe operation of our pipelines.

Making Safety a Priority

Enbridge strives for safe transportation of crude oil beginning with the materials and special coatings used to manufacture our pipelines, cathodic protection measures to prevent corrosion, 24-hour computerized pressure monitoring of the crude oil being transported, routine aerial patrols, and internal pipeline inspection tools to periodically monitor integrity. We also provide on-going emergency response training for employees and local emergency responders in the unlikely event of a pipeline incident.



Enbridge actively promotes public awareness of our pipeline system in the communities in which we operate. Safety and company contact information is provided to landowners and tenants, emergency preparedness information is shared with local officials and emergency responders, and excavators and residents along the route are provided with information about pipeline damage prevention through programs like *Call Before You Dig* and other public service advertising.

In addition to Enbridge's public awareness efforts, all people who live and work in communities where pipelines are located should be aware of what to do in an emergency and know how to avoid damaging pipelines during excavation or construction activity.

Supporting Our Community

Enbridge believes in being a responsible and active member of the communities in which we live and operate. We encourage active community involvement of our employees. We are also a long time and proud supporter of the United Way, American Red Cross, and Habitat for Humanity.

Our Safe Community program provides small grants to first-responder organizations located along our pipeline route to help underwrite equipment or training.

In addition, Enbridge pays thousands of dollars in property taxes in the states we operate; hires local employees and contractors; and purchases equipment, supplies and services locally whenever possible.

Protecting the Environment

We actively pursue ways to minimize our impact on the environment, and support initiatives that help us protect air, land and water resources. Protecting the environment, compliance with regulatory requirements, and maintaining good landowner relations are important to Enbridge.

Prior to any construction activity, Enbridge obtains all necessary licenses, permits and approvals. Enbridge's own strict environmental management practices include a review of soil conditions and land use prior to starting construction. Construction crews are instructed to think of themselves as guests and respect landowners' property. We use modern construction techniques and our goal is to restore property as close to its pre-construction condition as possible honoring landowners and striving to be good stewards of the land our pipeline system crosses.

Enbridge has also implemented a Neutral Footprint Plan designed to reduce Enbridge's environmental impact where it is felt most: on the trees we remove, the natural habitat we permanently alter, and the energy we use to power our operations. It is our responsibility to take a balanced approach to development. Our company-wide Neutral Footprint Plan includes:

- Planting a tree for every tree we remove
- Helping to conserve an acre of land for every acre of natural habitat we permanently impact
- Generating a kilowatt of renewable energy for every kilowatt of power our operations consume.

**In case of an emergency, call our 24-hour toll-free
Emergency number: 888-858-5253 (in N.D. 888-838-4545)**

**Questions or concerns, contact us at:
Enbridge Energy, Limited Partnership · Superior Region Office
1400 Grand Avenue, Superior, WI 54880
715-394-1400 enbridgeus.com**