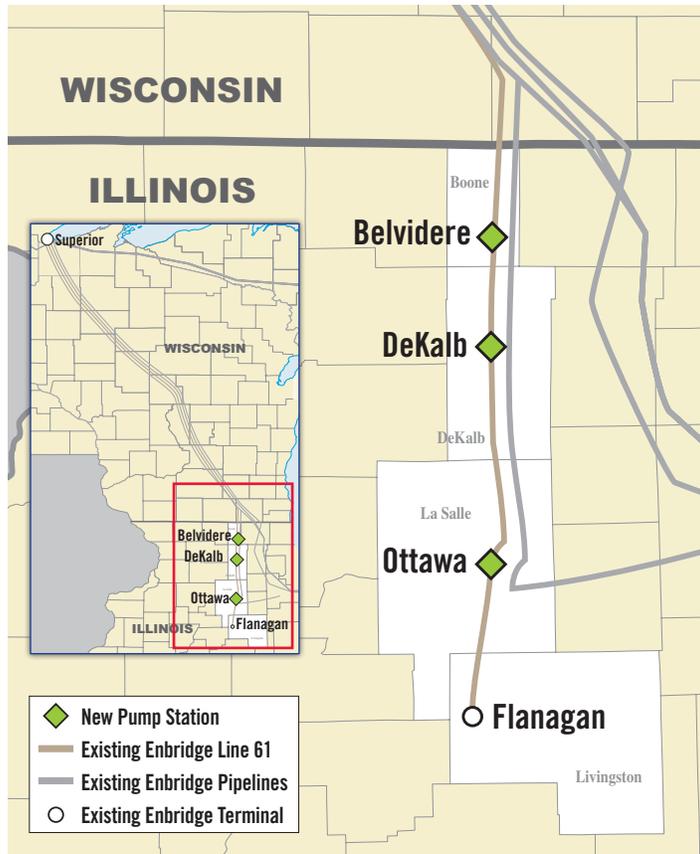


# LINE 61 UPGRADE PROJECT - ILLINOIS

## Construction of Three Pump Stations along Existing Pipeline



As part of ongoing efforts to meet North America's needs for reliable and secure transportation of petroleum energy supplies, Enbridge Energy Partners, through its affiliate, Enbridge Energy, Limited Partnership ("Enbridge"), is proposing to expand the average annual capacity of Line 61 (referred to as Southern Access construction project) from 400,000 barrels per day (bpd) to its full 1.2 million bpd designed capacity. Line 61 is a 42-inch-diameter crude oil pipeline that became operational in 2009 and spans from Enbridge's terminal in Superior, Wisconsin, to Enbridge's Flanagan Terminal near Pontiac, Illinois. The Line 61 Upgrade Project is one step in a series of pump station and terminal upgrades of Enbridge's Lakehead pipeline system, which transports North American crude oil from Canada, Montana and North Dakota to refineries in the Great Lakes region and beyond.

As part of the Line 61 expansion, Enbridge proposes to construct in Illinois three new pump stations in Boone County, DeKalb County and in LaSalle Counties. The pump stations will be located on property that has been acquired in fee by Enbridge. Each station will have three or four pumping units and other related pumping equipment. It does not require pipeline construction outside of the pump station facilities.

### Project Details

**Ownership:** Enbridge Energy, Limited Partnership

**Station Locations:** Belvidere in Boone County, IL  
DeKalb in DeKalb County, IL  
Ottawa in LaSalle County, IL

**Facility:** **No new pipeline construction.** This capacity expansion requires the construction of pump stations and related equipment on property that is acquired in fee by Enbridge. Three or four pump units per station.

**Capacity:** Expand average annual capacity of Line 61 from 400,000 bpd to 1.2 million bpd.

**Construction:** Beginning Spring 2014, pending regulatory approval.

**In-service Date:** Pump Stations – 2015

### Pump Stations

Pump stations play a vital role in moving crude oil through the Enbridge pipeline system. Pump units are designed to maintain flow at adequate levels through the pipeline. The pump stations that will be constructed as part of the Line 61 Upgrade Project will provide additional power to increase the amount of crude oil that can be transported in the pipeline. Pump station sites generally have little effect on nearby landowners or the community.

**For more information, please call Enbridge at 855-714-8374 or email [MainlineEnhancements@enbridge.com](mailto:MainlineEnhancements@enbridge.com).**



*New Enbridge above ground and enclosed pump facilities would be constructed on land acquired in fee by Enbridge. Pump stations contain one or more electrically driven pumping units, strategically located to keep flow within safe operating limits of the pretested pipeline. Enbridge currently operates 115 pump stations along our US liquids pipeline systems.*

## Project Benefits

- **New capital investment in America's energy infrastructure to help meet this and future generations' energy needs.**
- **Increased access to long-term, reliable and economical supplies of crude petroleum produced in North America.**
- **Increased pipeline capacity to transport crude petroleum produced in North America as production in some regions increase and U.S. refineries turn to these growing supplies to fulfill a larger portion of their crude supply needs, thus reducing reliance on imports from less stable areas of the world.**
- **Increased flexibility in the Midwest and beyond, benefiting Midwestern refineries and consumers.**
- **Employment for professionals and new business for contractors hired to assist in the design, survey, environmental assessment and project planning processes.**
- **Economic activity through the purchases of local products, services, lodging, food and supplies during construction.**
- **Economic activity, such as tax revenues, associated with ongoing pipeline operations.**
- **Optimizing use of existing pipeline to provide additional energy capacity to the Midwest and beyond.**

## Regulatory Oversight and Permitting

Interstate liquid petroleum pipelines are regulated by various federal and state laws and regulations. Enbridge plans to file an application with the Illinois Commerce Commission (ICC) to amend its Certificate of Good Standing to allow for the addition of pumping stations to increase the capacity of Line 61 to 1.2 million bpd.

As a common carrier, the rates and terms of service are approved and enforced by the Federal Energy Regulatory Commission. A comprehensive set of federal laws and regulations and national technical standards have been developed that prescribe the design, construction, operation and maintenance of liquid petroleum pipelines, as governed by the U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration's (PHMSA) Office of Pipeline Safety. Various federal, state and local permits, approvals and clearances are also required.

More information on pipelines and how they operate and are regulated is available at [www.pipeline101.org](http://www.pipeline101.org).

## Maintaining Safe, Reliable Facilities

Enbridge builds safety into every step of pipeline design, construction and operations, and many preventive measures are taken to promote the safe, reliable operation of our liquid petroleum and natural gas liquids pipelines and related facilities. Experienced engineers, manufacturers and specialists plan, design, construct and operate pipeline systems to meet or exceed a host of national industry standards, codes, federal regulations, applicable state and local requirements.

Pipelines are built with high-quality steel pipe tested for strength at the factory and again in the field. The pipe is coated with anti-corrosive, fusion-bonded materials and further protected from corrosion by cathodic protection systems. Enbridge inspects every weld, far exceeding the required 10 percent sampling mandated by federal regulation. Field welds are also coated with anticorrosion coating. Before operation begins, the pipeline is pressure tested with water at levels above the authorized operating pressure. Federal pipeline safety inspectors from PHMSA check for compliance during construction and periodically during operations of the pipeline.

The pipeline is monitored 24-hours a day by our computerized Pipeline Control System and trained controllers. In the event there is an abnormal change in pressure or flow rates alarms are sounded, and the Pipeline Control System can either automatically initiate pump shut down, or control room operators will safely shut down the pipeline within minutes and mobilize trained field personnel to investigate. Main block line valves, some of which can be remotely controlled, allow for the isolation of pipe segments and the protection of rivers and lakes. Enbridge has recently invested in a new pipeline control center, additional leak detection and training towards our goal of zero leaks or accidents.