

# Major Oil Pipeline Projects 2005-2008



This map shows the route of the TransCanada Keystone pipeline. The map includes the original route and the proposed expansion the company announced on July 16, 2008.

Approval Date	Name	Case No.	Description	Added capacity (barrels per day)	Estimated cost in ND
July 28, 2005	Enbridge Pipelines (North Dakota) LLC	05-274	Construct a new 1,500 horsepower pumping station near Tioga and upgrade the existing Alexander Station and Trenton Station.	25,000 BPD -The project added capacity for oil producers in North Dakota and Montana.	\$3.2 million
Aug. 23, 2006	Enbridge Pipelines (North Dakota) LLC	06-317	Upgrades to the existing Alexander, Trenton, Beaver Lodge and Stanley stations.	-The project added capacity for oil producers in North Dakota and Montana.	\$16.5 million
Sept. 20, 2006	Enbridge Pipelines (North Dakota) LLC	06-349	New pumping stations at Blasidell, Denbigh, Penn and Larimore.	-The project was designed to increase pipeline flow capacity in North Dakota and Montana. Combined with other projects, Enbridge estimated to achieve 30,000 additional barrels per day incremental capacity, with a potential of 45,000 additional barrels per day capacity.	\$17 million
Oct. 5, 2005	Plains Pipeline, L.P.	05-184	Installation of 9.6 miles of 10-inch pipeline (approximately 6 miles located in North Dakota near Buford) and install 2.3 miles of 10-inch pipeline from the Trenton Station south and ¼ miles of 6-inch pipeline connecting to an existing pipeline.	23,000 BPD -The Project complements other expansion projects on the Trenton Pipeline System necessitated by increased oil and gas exploration activities in an area of Montana, near the city of Sidney commonly referred to as the Richland County Bakken Field. Current capacity of the Trenton Pipeline System is approximately 19,000 BPD. The Project will facilitate an increase in system capacity of approximately 23,000 BPD.	\$2.25 million
Nov. 11, 2005	Plains Pipeline, LP	05-185	Construction of 4.6 miles miles of 10-inch pipeline in McKenzie and Williams counties.	Increase capacity of Trenton Pipeline System in combination with 05-184.	\$1.5 million
Sept. 20, 2006	Enbridge Pipelines (North Dakota) LLC	06-330	New 10-inch, 52-mile pipeline from the existing Trenton Station in Williams County to existing Beaver Lodge Station	-Designed to increase capacity in North Dakota and Montana. Combined with other projects, capacity increase of 30,000 to 45,000 BPD.	\$25.1 million
Nov. 9, 2007	Belle Fourche Pipeline Co.	07-596	Approximately 32 miles of 8-inch crude oil pipeline extending from Bowline Field to a connection with the Enbridge Pipeline (North Dakota) LLC pipeline near Alexander all in McKenzie County.	20,000 BPD -Part of a project to increase the pipeline system capacity from 10,000 barrels per day to 30,000 barrels per day. Increased capacity will accommodate transportation of the increase in crude oil production from fields in Bowman County, North Dakota and Fallon County, Montana.	\$10.2 million
Dec. 31, 2007	Enbridge Pipelines (Southern Lights) LLC	07-75	313 miles of 20-inch liquid petroleum pipeline extending from Cromer, Manitoba to Clearbrook, MN. 28 miles of pipeline in North Dakota parallel to existing Enbridge pipelines to be located entirely in Pembina County.	-The purpose of this proposed pipeline is to transport crude oil supplies from western Canada, along with domestic supplies from Montana and North Dakota, to serve the increasing demand for crude oil in Midwestern markets and beyond.	\$31.5 million
Dec. 31, 2007	Enbridge Energy Limited Partnership	07-108	1,000 miles of 36-inch liquid petroleum pipeline extending from Hardisty, Alberta to Enbridge Energy's existing terminal and tank farm facility in Superior, Wisconsin. 28 miles of pipeline in North Dakota parallel to existing Enbridge pipelines.	-Increase capacity for transportation of crude petroleum from Alberta oil sands to U.S. markets.	\$63.5 million
Feb. 1, 2008	TransCanada Keystone Pipeline, LP	06-421	Construct an 1,830-mile pipeline from Alberta, Canada to Cushing, Okla. Approximately 217 miles in North Dakota.	590,000 BPD to 1.1 million BPD* -Designed to transport Canadian crude oil from the Western Canadian Sedimentary Basin (WCSB) to markets in the United States.  *On July 16, 2008, Keystone reported plans to increase the capacity to 1.1 million BPD.	\$277 million
July 2, 2008	Enbridge Pipelines (North Dakota) LLC	07-791	Various upgrades to existing pump stations in McKenzie, Mountrail, Ward, McHenry, Benson, Ramsey, Nelson and Grand Forks counties.	51,800 BPD Designed to benefit regional crude oil explorers, gatherers, producers and refiners. Once completed, it is anticipated that the expansion would increase pipeline capacity from 110,000 BPD to approximately 161,800 BPD.	\$119.7 million
Pending	Plains All American Pipeline, LP	08-424	PAA is proposing a 6 inch steel crude oil pipeline connecting its Killdeer Gathering System and its Dickinson Gathering System, a distance of approximately 33 miles with a capacity of about 10,000 bbls per day. Pumps will be located at the current Killdeer Station.	10,000 BPD Ongoing development drilling in Dunn County has prompted shippers and producers to look for crude oil pipeline transportation to Baker, MT and on to the Guernsey, WY markets. Movement of oil production in Dunn County is currently limited to deliveries to Tesoro Pipeline (Mandan Refinery), or some that is trucked up to 100 miles to other pipelines in the western part of the North Dakota. Installation of this pipeline will allow PAA to provide crude oil transportation out of the Dunn County area, to markets in Guernsey WY.	\$16 million



**Top:** Construction workers install pipeline for the Enbridge pipeline upgrade at East Fork Station. **Bottom:** Workers continue work into the winter months to complete upgrades at Enbridge's Alexander Station.



**Total Investment in North Dakota = \$584 Million**