
PIPELINES

Canada's pipelines form a major transportation network. Almost 700,000 kilometres of underground pipeline transport virtually all of the country's daily crude oil and natural gas production to consumers in Canada and the United States. If laid end to end, there are enough pipelines in Canada to circle the Earth about 17 times around the equator. In Alberta, there are 293,700km of provincially regulated oil and gas pipelines, which connects to a network of pipelines that cross North America.

The pipeline is a buried steel pipe that can be up to 48 inches in diameter. The pipeline uses a grip of powerful pumps and compressors, which create pressure to push the crude oil down to its destination. The power created by the pumps moves the oil at about five kilometers an hour. It takes approximately 3 days for the synthetic crude oil to travel from Fort McMurray to Edmonton via the pipeline.

Suncor – Oilsands Pipeline (OSPL)

Suncor Energy Inc. owns and operates the Oilsands Pipeline system. The Oilsands Pipeline connects Suncor Energy Inc. with the Fort Saskatchewan and Edmonton markets. The line was constructed in 1966 and carries synthetic crude oil and high vapour pressure products.

Length:	550km
Diameter:	16 inch
Potential Capacity:	150 Mbbbl/d

For more information visit: www.suncor.com

Suncor – Enbridge Pipelines (Athabasca) Inc.

Enbridge Pipelines built and owns the Athabasca Pipeline that starts at Suncor and ends in Hardisty Terminal in Hardisty, Alberta. The Athabasca pipeline is the largest crude oil pipeline operating exclusively in the Province of Alberta and is the only pipeline that directly links the Athabasca and Cold Lake deposits.

Length:	550 km
Diameter:	30 inch mainline
Potential Capacity:	570 Mbbbl/d

For more information visit: www.enbridge.com

Syncrude – Alberta Oil Sands Pipeline (AOSPL)

AEC Pipelines, L.P. built the Alberta Oil Sands Pipeline that extends from Syncrude to Edmonton, AB. In 2001, Pembina Pipeline Corporation purchased the AOSPL. The pipeline will be expanded along with the extensive multi-year expansion of the Syncrude 21 Project.

Length:	430km
Diameter:	22 inch
Potential Capacity:	223 Mbbbl/d
After expansion:	407 Mbbbl/d by 2007

For more information visit: www.pembina.com

PIPELINES, Continued:

Albian Sands – Corridor Pipeline

Terasen Pipeline, Inc., the petroleum transportation division of Terasen Inc. built the Corridor Pipeline, which transports diluted bitumen from the Muskeg River Mine to the Scotford Upgrader. The Corridor Pipeline also connects the Upgrader to the Refinery and the pipeline terminal in the Edmonton area. This system was completed in 2002.

Length:	493km
Diameter:	24 inch (12.75 inch diluent return line)
Potential Capacity:	155 Mbbbl/d

For more information visit: www.terasen.com