

Mackenzie Gas Project



Overview

Mackenzie Gas Project proposes to develop natural gas fields in the Mackenzie Delta of Canada's Northwest Territories and deliver the natural gas and natural gas liquids to markets in Canada and the United States. The Project consists of five major parts:

- **three natural gas field production facilities**
- **a gathering pipeline system**
- **a gas processing facility near Inuvik (the Inuvik area facility)**
- **a natural gas liquids pipeline from the Inuvik area facility to Norman Wells**
- **a natural gas pipeline from the Inuvik area facility to northwestern Alberta**

NATURAL GAS FIELD PRODUCTION FACILITIES

The three fields, Niglintgak, Taglu and Parsons Lake, together can supply about 800 million cubic feet per day of natural gas over the life of the Project. Other natural gas fields in the North can be connected into the gathering system or into the main pipeline. In total, as much as 1.2 billion cubic feet per day of natural gas could be available initially to move through the Mackenzie Valley natural gas pipeline.

GATHERING SYSTEM

Each of the Niglintgak, Taglu and Parsons Lake natural gas fields will be connected to a gathering system. This is a network of pipelines that will move the natural gas and natural gas liquids to a gas processing facility near Inuvik (the Inuvik area facility).

INUVIK AREA FACILITY

Natural gas liquids will be separated from the natural gas at the Inuvik area facility and pumped to Norman Wells through a natural gas liquids pipeline. The natural gas will be compressed and transported to northwestern Alberta in a natural gas pipeline. Gas processing, gas chilling and compression, and liquids stabilization will occur at the Inuvik area facility.

NATURAL GAS LIQUIDS PIPELINE SYSTEM

The natural gas liquids pipeline will be a 10-inch diameter pipeline extending about 480 kilometres from the Inuvik area facility to Norman Wells, where it will connect with the existing Enbridge pipeline. More pumping facilities can be added along the route in the future if it is necessary to increase the amount of natural gas liquids moved through the pipeline.

	TAGLU	PARSONS LAKE	NIGLINTGAK
WORKING INTERESTS	100% Imperial	75% ConocoPhillips 25% ExxonMobil	100% Shell Canada
LOCATION	120 km NW of Inuvik 70 km W of Tuktoyaktuk	45 km NE of Inuvik 35 km SW of Tuktoyaktuk	120 km NW of Inuvik 85 km W of Tuktoyaktuk
DISCOVERY DATE	1971	1972	1973
RESERVES	3 Tcf	1.8 Tcf	1 Tcf

One trillion cubic feet (Tcf) of natural gas is enough to heat all the gas-heated homes in Canada for one year.

NATURAL GAS PIPELINE SYSTEM

The natural gas pipeline will be 30 inches in diameter and will run about 1,220 kilometres along the Mackenzie River Valley. As the natural gas moves through the pipeline it will lose pressure due to friction, so compressor stations will be built at regular intervals along the pipeline to maintain the flow of the natural gas. More compression facilities can be added along the route in the future if it is necessary to increase the amount of natural gas moved through the pipeline. The natural gas and natural gas liquids pipelines will be located in the same right-of-way.

PUBLIC CONSULTATION

The Mackenzie Gas Project team seeks to improve the design, construction and operation of the Project through public consultation. Information will also be gathered from environmental and Traditional Knowledge studies. The combined input will help to define the proposed pipeline route, facility locations and infrastructure locations to support construction of the Project.

OUR COMMITMENT

Mackenzie Gas Project respects the peoples of Canada's North and the land, wildlife and environment that sustains them. Our priorities include maintaining worker and public safety at all times and caring for the environment before, during and after construction.

We are also committed to working with aboriginal and nonaboriginal northern residents to ensure northern individuals, communities and businesses have an opportunity to benefit from the Project.





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