



Major Projects in the Gas Sector

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Market Overview

Continued growth and construction has persisted in the Liquefied Natural Gas (LNG) industry despite low prices for oil and gas worldwide. Major projects are still emerging in the gas industry funded by large and medium sized corporations. These projects demand specific supplies and skilled labor. Canada has large reserves of gas that can produce much needed energy and is the fifth largest producer of natural gas, with reserves that could meet current global demand for the next 300 years.

Major Projects

Discovery LNG

Estimated Cost- \$2 billion

Company – Quicksilver Resources Canada Inc.

Location – Elf Falls Mill Site, British Columbia

Proposed – 2015-2021

The Discovery LNG project is a proposed LNG facility in the Elk Falls Mill site fully owned by Quicksilver Resources Canada Inc. The project focuses on liquefying natural gas, as well as storing and shipping the LNG from northeastern British Columbia to energy users worldwide. Quicksilver Resources Canada Inc.'s application was approved by the National Energy Board (NEB) June of 2015. The project will be exporting LNG for 25 years, and in that time will export 470 million tons of LNG.

Sarita Bay LNG Facility

Estimated Cost - \$30 billion

Company – Steelhead LNG Corp., Huu-ay-aht First Nations

Location – Sarita Bay, British Columbia

Proposed – 2018-2022

Sarita Bay LNG Facility is a proposed project located 70 km southwest of Port Alberni. This project is part owned by Steelhead LNG Corp along with Huu-ay-aht First Nations. The National Energy Board has approved the project to produce 30 million tons per year, for 25 years. This project is scheduled for construction between 2018 and 2020.

Woodfibre LNG Project

Estimated Cost- \$1.7 billion

Company – Woodfibre Natural Gas Ltd

Location – Brohm Ridge Region, British Columbia

Proposed – 2015-2017

The Woodfibre LNG project is fully owned by Woodfibre Natural Gas Ltd. The new LNG facility will be located on the former Woodfibre pulp mill in the Brohm Ridge region. Regulatory approval has been granted for the facility to export 2.1 million tons of LNG per year for 25 years. The company is still waiting on the review results from an environmental assessment.

WCC LNG Ltd.

Estimated Cost – \$25 billion

Company – WCC LNG Ltd.

Location – Tuck Inlet, British Columbia

Proposed – 2017-2024



The WCC LNG Ltd project on the Tuck Inlet is owned by WCC LNG Ltd., which is jointly owned by Imperial Oil and Exxon Mobil. This facility will be a processing and storage facility for LNG, with an export capacity of 30 million tons per year. The National Energy Board has approved a 25 year export license for the project, but has yet to receive an environmental assessment.

LNG Canada Facility

Estimated Cost- \$25 billion

Company – Shell, PetroChina, Korea Gas, and Mitsubishi

Location – Kitimat, British Columbia

Proposed – 2017-2022

The LNG Canada project is part owned by Shell, PetroChina, Korea Gas and Mitsubishi, and will be located on the former Methanex facility near Kitimat. The plant will include a gas liquefaction facility, storage structures, and transportation capacity. Overall this project is forecasted to produce and contain up to 2 billion cubic feet of LNG. This project has received regulatory approval, but is still waiting for an environmental assessment.

Triton LNG Facility

Estimated Cost- Currently not disclosed

Company- AltaGas Ltd., Idemitsu Canada Corp.

Location- Kitimat / Prince Rupert, British Columbia

Proposed- 2016-2020

The proposed Triton LNG facility is jointly owned by AltaGas Ltd. and Idemitsu Canada Corp. The facility is a floating facility that is expected to produce about 2.3 million tons of LNG per year. The project owners have already secured a shipper, Pacific Northern Gas, to transport 325 million cubic feet of LNG per day for 20 years. The National Energy Board has granted a 25 year export license for the Triton Facility. An environmental assessment is yet to be done on this project.

Kitsault LNG Facility

Estimated Cost- Currently not disclosed

Company- Kitsault Energy Ltd of Canada

Location- Alice Arm, British Columbia

Proposed- 2016-2018

This combination land and water export facility is located north of Alice Arm, and is completely owned by Kitsault Energy Ltd. of Canada. Kitsault Energy has applied to the National Energy Board for an export license for 20 million tons per year of LNG. This unique project will be transforming an abandoned town into an export hub for LNG. Kitsault Energy Ltd. has already created homes, a medical center, a recreation center, bank, and shopping center in the old town.

New Times LNG Facility

Estimated Cost – Currently not disclosed

Company – New Times Energy Ltd.

Location – Near Port of Prince Rupert, British Columbia

Proposed – 2015-2019



The proposed New Times LNG facility is a floating natural gas liquefaction plant that has applied for an export license of 25 years. The license application states that the facility could export 12 million tons per year of LNG. The application was filled in February of 2015, and once regulatory approval is granted, the project will begin.

Aurora LNG Facility

Estimated cost – Currently not disclosed

Company – Nexen / Inpex Corps/ JGC Corp.

Location – Prince Rupert, British Columbia

Proposed – Time frame currently not disclosed

The proposed LNG facility is located 30 kilometer north of Prince Rupert, and is jointly owned by Nexen (60%), Inpex Corp. and JGC Crop (each with 20%). The facility would have access to shale gas form the Horn Basin in northeastern British Columbia. There have been two applications to the National Energy Board, for not only an export license, but also for an additional site on Digby Island, British Columbia.

Orca LNG

Estimated Cost – Currently not disclosed

Company – Orca LNG Ltd.

Location – Prince Rupert, British Columbia

Proposed – 2016-2019

The proposed Orca LNG project will include construction of an export terminal and several floating liquefaction storage facilities. The capacity for the facility would be to export up to 24 million tons per year of LNG for 25 years. The project is fully owned by Orca LNG Ltd., which has applied for regulatory approval from the National Energy Board.

Upcoming Trade Shows

- Oil Sands Trade Show: September 15-16, 2015 Fort McMurray, Alberta
- Canadian Energy Supply Chain Forum: October 28, 2015 Calgary, Alberta

For More Information

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