

NIPIGON LNG FACT SHEET

PROJECT OVERVIEW

Nipigon LNG is a strategic infrastructure project in northern Ontario to lower energy costs, reduce GHG emissions, and support economic development.

- Pipeline natural gas will be liquefied at a new plant near Nipigon, Ontario, trucked to local LNG depots, and converted back into natural gas to replace diesel, fuel oil, and propane for heating and power generation.
- Significant energy cost savings and GHG reductions will help sustain existing industries and increase the potential for new investments.
- Facilities will enable natural gas service to northern and Indigenous communities and support the transition to a low-carbon fuel for trucking, railways, and shipping.
- Status: Front-End Engineering and Design, with commercial operation to begin in 2019.

WHAT ARE THE EXPECTED BENEFITS?

Nipigon LNG will lower energy costs and reduce GHG emissions for northern industry, helping Ontario reach its economic and climate change goals.

- Industrial customers can cut operating costs and GHG emissions, improving their competitiveness.
- Access to LNG will enable fuel-switching from diesel to cleaner-burning natural gas for regional transportation.
- New natural gas infrastructure will contribute to the local economy through construction jobs, purchase of materials and services, and new full-time employment.

WHAT IS LNG?

Liquefied natural gas (LNG) is natural gas cooled to -162°C , converting it into a liquid so it can be safely stored and economically transported for use as a low-carbon fuel.

- LNG is odourless, colourless, non-toxic, and non-corrosive – it cannot burn or explode in its liquid state.
- LNG is transported by truck to an LNG depot, and is then heated using a vaporizer, returning the liquid to conventional natural gas.
- More than 100 natural gas distribution systems in North America successfully use LNG where pipeline capacity is restricted or unavailable.
- Ontario is joining British Columbia, Quebec, and Alaska in using LNG for heating and power generation in northern areas and for transportation.

MORE INFORMATION

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WHY LNG?

LNG provides industries with the economic and environmental benefits of natural gas without requiring a pipeline.

- LNG is the cleanest-burning fossil fuel, producing fewer emissions than diesel, fuel oil, and propane.
- LNG is kept cold at low pressure in insulated containers, like a thermos bottle, making storage and transportation very safe and secure.
- In the unlikely case of a spill, LNG vaporizes into the atmosphere and dissipates quickly, unlike petroleum products that sink into the ground and threaten wildlife.
- One truck trailer of LNG can deliver three to five times more energy than a trailer of compressed natural gas.

WHAT ABOUT SAFETY?

Natural gas liquefaction and distribution facilities are built and operated to strict engineering and environmental standards to protect public safety and the environment.

- LNG facilities meet or exceed national safety standards, and are inspected by provincial agencies to ensure code compliance.
- Technicians monitor systems continuously, helping to ensure safe and reliable delivery of natural gas at all times.
- Trucks transport LNG more than 15 million kilometres a year in North America, with an admirable safety record.
- Local first-responders are trained before LNG production and natural gas delivery begin.

ABOUT NORTHEAST MIDSTREAM LP

Northeast Midstream is an Ontario partnership with a track record of originating mid-scale energy infrastructure for new and unserved markets. Additional projects include:

- North Shore Gas Distribution Project – A transformative initiative to extend the benefits of natural gas to the northern Ontario communities of Marathon, Terrace Bay, Schreiber, Manitouwadge, and Wawa.
- Thorold LNG – A shovel-ready natural gas liquefaction facility to serve utility and transportation markets in Ontario and northeastern United States.

