

# Moriah Energy Center

## Enhancing reliability through storage

### Overview

In recent years, the increasing demand for natural gas in North Carolina has resulted in supply constraints and higher prices for customers. As a solution, Enbridge Gas has proposed a 25-million-gallon liquefied natural gas (LNG) storage facility with future expansion capabilities in Person County, North Carolina, that will enhance service reliability as the region continues to grow. Natural gas will typically be liquefied and stored during the warmer months of the year when natural gas is more readily available. Natural gas from the utility's system that currently serves the area will be liquefied on site, stored in the facility and turned back into natural gas during high demand periods.

### Project summary

- What:** Liquefied natural gas facility
- Where:** Person County, North Carolina
- Why:** Serve customer demand for natural gas by enhancing service reliability through on-system storage.

### About Enbridge Inc.

At Enbridge, we safely connect millions of people to the energy they rely on every day, fueling quality of life through our North American natural gas, oil and renewable power networks and our growing European offshore wind portfolio. We're investing in modern energy delivery infrastructure to sustain access to secure, affordable energy and building on more than a century of operating conventional energy infrastructure and two decades of experience in renewable power to advance new technologies including hydrogen, renewable natural gas and carbon capture and storage. Headquartered in Calgary, Alberta, Enbridge's common shares trade under the symbol ENB on the Toronto (TSX) and New York (NYSE) stock exchanges. Visit us at [enbridge.com](https://enbridge.com) to learn more.

### Economic benefits

Construction of the project will bring economic benefits to Person County, such as local and state tax revenue, and increased spending at local businesses.

Based on initial projections, construction activity is estimated to bring:



**300**  
specialized  
construction jobs



**\$43 million**  
in economic  
activity



**\$1 million**  
in local and  
state tax  
revenue



**Enhanced  
reliability**  
for energy needs  
in the region

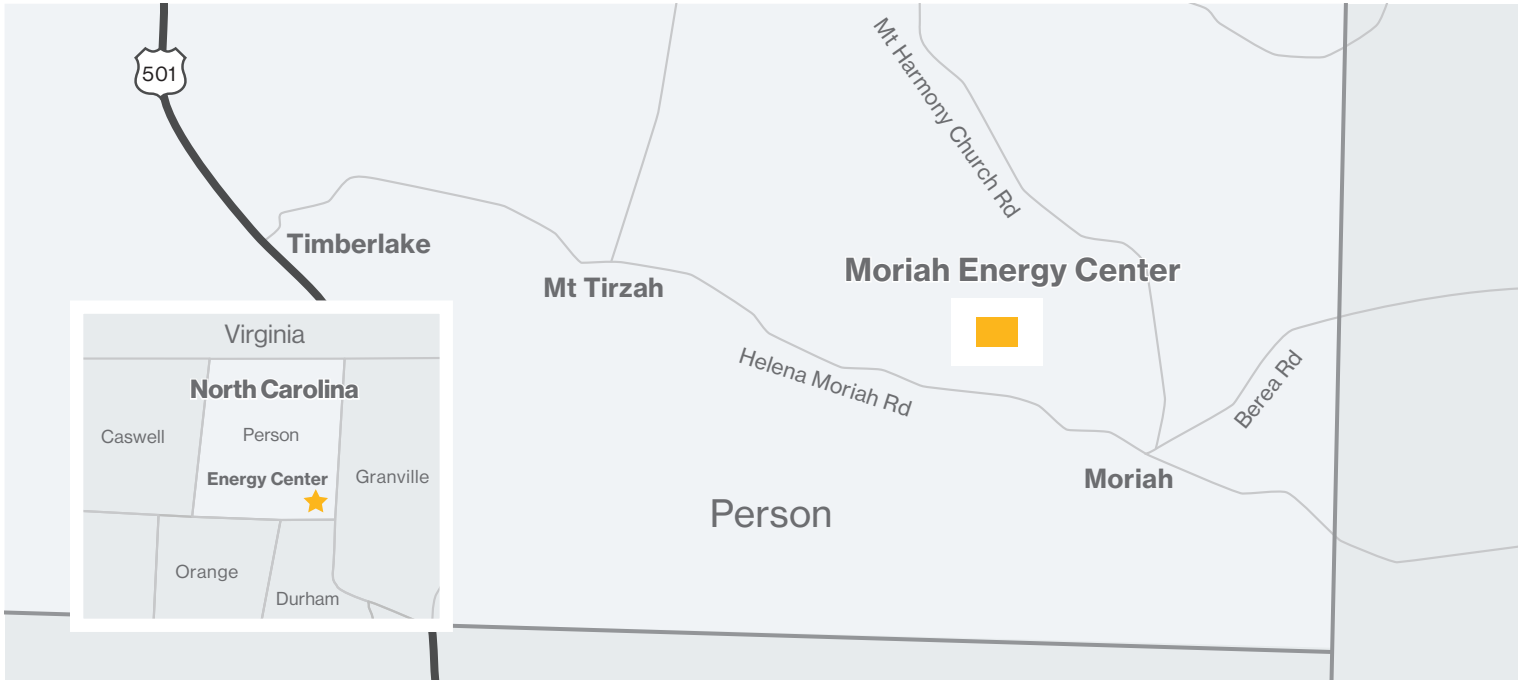
Once in operation, the facility would support 12 specialized full-time LNG operator jobs and is estimated to generate more than \$20 million in new local tax revenue over 25 years.



Visit  
[enbridgegas.com/nc-moriahproject](https://enbridgegas.com/nc-moriahproject)  
to learn more.

# Enhancing reliability through storage

## Person County, North Carolina



### FAQs

**What is LNG?** Liquefied natural gas (LNG) is a clear, colorless and non-toxic liquid which forms when natural gas is cooled to -260 F. The cooling process shrinks the volume of the gas 600 times, making it easier and safer to store. The facility will be designed to receive natural gas and liquefy the gas for bulk storage on site.

**What is the process to liquefy natural gas?** Natural gas will be received, filtered and treated to remove carbon dioxide and water. The gas will then be cooled with nitrogen to convert the gas to its liquid state. The liquid will be stored in an insulated steel tank.

**What is the process to return LNG to its gaseous state?** LNG will be pumped from the storage tank through a heat exchanger where the gas is warmed and converted back into vapor.

### How will the natural gas be transported to the facility and then to customers?

Natural gas will primarily be transported using the existing Enbridge Gas underground pipeline system already serving customers in the area and on the facility's property. The facility will also have trucking capabilities, though this is expected to only occur during rare instances and will not be a part of routine operations. Our existing pipeline infrastructure will transport natural gas to customers.

**Who are the customers benefiting from this facility?** This facility will solely serve Enbridge Gas customers in the region.

### What about public safety?

Enbridge Gas' core value is safety. The utility is committed to the safe storage, transportation and use of LNG.

Enbridge Gas is an experienced LNG facility operator and has a track record of safety and compliance.



### Proposed timeline

**Development and permitting**  
Q1 2022 – Q4 2023

**Design and procurement**  
Q4 2023 – Q1 2026

**Construction and commissioning**  
Q1 2024 – Q3 2026

**In-service**  
Q2 2025