



# 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, Dominion Energy 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 Dominion Energy'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.

### LEARN MORE

Website: [DominionEnergy.com/MoriahEnergyCenter](https://www.dominionenergy.com/MoriahEnergyCenter)

Email: [MoriahEnergyCenter@DominionEnergy.com](mailto:MoriahEnergyCenter@DominionEnergy.com)

### ABOUT DOMINION ENERGY

About 6 million customers in 15 states energize their homes and businesses with electricity or natural gas from Dominion Energy (NYSE: D), headquartered in Richmond, Va. The company is committed to providing reliable, affordable, and increasingly clean energy every day and to achieving Net Zero emissions by 2050. Please visit [DominionEnergy.com](https://www.dominionenergy.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



**\$1 million**

in local and state tax revenue



**\$43 million**

in economic activity



**Enhanced Reliability**

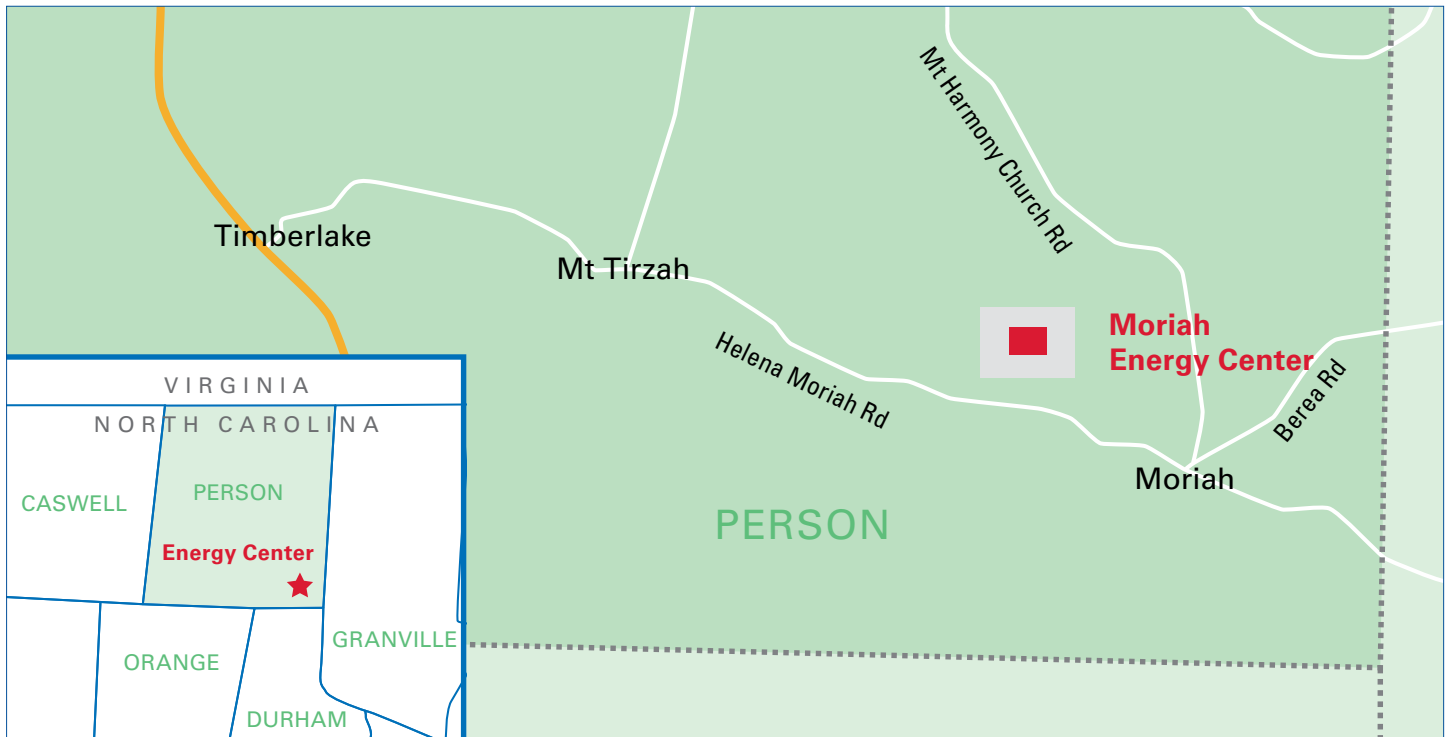
for energy needs in the region

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.



# Enhancing Reliability Through Storage

Person County, North Carolina



## PROPOSED TIMELINE

### Development & Permitting

Q1 2022 – Q4 2023

### Design & Procurement

Q4 2023 – Q1 2026

### Construction & Commissioning

Q1 2024 – Q3 2026

### In-Service

Q1 2027

## FAQS

### What is LNG?

Liquefied natural gas (LNG) is a clear, colorless and non-toxic liquid which forms when natural gas is cooled to -260F. 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 liquify 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 Dominion Energy 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 Dominion Energy's natural gas customers in the region.

### What about public safety?

Dominion Energy's core value is safety. The company is committed to the safe storage, transportation and use of LNG. Dominion Energy is an experienced LNG facility operator and has a track record of safety and compliance.