



## Moriah Energy Center

Enhancing Reliability Through Storage

Moriah Energy Center will be designed and operated to comply with EPA (Environmental Protection Agency) and North Carolina DEQ (Department of Environmental Quality) standards to reduce air emissions and protect public health and the environment. Moriah Energy Center was intentionally designed to minimize emissions to the greatest extent possible.

### EMISSION REDUCTION MEASURES



#### Minimal Flaring

The facility is designed to capture boil-off gas and to route it back into the pipeline system to avoid flaring. This is true of other plant processes where ethane, propane and butane emissions that might otherwise occur during liquefaction will be captured and used as fuel gas or injected into Dominion Energy's pipeline on the property for customer use. Also, the flare on site will be used to reduce emissions during infrequent maintenance activities.



#### Efficient NG-fired Heaters

Natural gas-fired glycol heaters vaporize the liquified natural gas (LNG) through a heat exchanger. Dominion Energy will employ efficient combustion technology to reduce related emissions.



#### Leak Reduction and Detection

The facility will incorporate low-emission piping component design practices and have gas detection monitors, along with a maintenance and inspection program.



#### Electric Compression

The facility will use electrically-driven compressors, instead of natural gas-fired compressors, to compress the process gases for injection into the pipeline.

### AIR PERMITTING



#### Air Modeling

Dominion Energy performed air dispersion modeling demonstrating that emissions from the project will not result in exceedance of acceptable ambient levels (AAL), which are state health-based standards set by NC DEQ.



#### Minor Air Permit

Dominion Energy has taken significant steps to maintain lower levels of emissions to qualify for a minor source air permit from NC DEQ. Minor sources are not expected to have emissions that would cause an exceedance of federal ambient air quality standards.



#### Public Involvement

The NC DEQ permitting process will incorporate public participation such as a public comment period and a hearing.

Visit [DominionEnergy.com/MoriahEnergyCenter](https://www.dominionenergy.com/MoriahEnergyCenter) to learn more.