

# Brunswick-Greenville Storage Facility

**Safety is a fundamental pillar of our business. This fuel storage facility is no exception. With significant layers of protection in place, we are taking steps to ensure we protect the land we use and the communities we serve.**



## Hazard Detection

The LNG facility will have a hazard detection system that is comprised of gas, flame, and low temperature detection that is designed to detect gas or LNG releases, or fires, then shutdown the facility, bringing it to a safe state.

The gas detection system will have local and long-range sensors that are calibrated to the specific gas (such as methane or propane) that could be present during a release. Flame detectors will also be installed and are designed to detect the infrared signature from a flame in the event of a fire. Low temperature detection is also installed in areas where LNG is present to provide another layer of detection in addition to the gas detectors in those areas.

As a system, these devices provide multiple layers of protection with associated automatic shutdown should a release occur at the facility.



## Weather Events

The LNG facility is designed to withstand winds and extreme weather in excess of any storm in recorded history for the area.



## Emergency Response

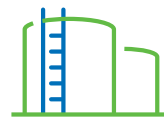
In addition to hazard and fire protection systems, the facility will have a robust emergency response plan, and we are committed to training and equipping local first responders in the unlikely event of an emergency.

We will work closely with Brunswick and Greenville County emergency response organizations, including EMS, fire and police, from project development through operation, to facilitate training opportunities on LNG safety and response.



## Oversight

All components of this LNG Storage facility will have rigorous testing and inspections throughout its construction and operation, as set forth by state and federal agencies, including the Pipeline and Hazardous Materials Safety Administration (PHMSA). Once in operation, the facility will take measures to ensure all manual and automatic capabilities of fire and hazard detection systems, along with all other equipment, are performing safely and as designed.



## Leak Protection

The LNG storage tank is a full containment tank – built with an outer shell that can hold the entire volume of stored gas in the event of any leaks of the inner tank. Critical portions of the LNG lines will also be constructed with vacuum jacketed (or pipe-in-pipe) construction, which provides another layer of protection against leaks. Additional features include fireproofing of critical structural members for critical equipment as well as drainage and containment for flammable liquids.



## Active Fire Protection Systems

In the rare event a fire does occur at the facility, the facility will be provided with active fire protection features in the form of dedicated fire detection and suppression systems. This will include a dedicated onsite firewater tank, redundant firewater pumps, underground firewater loop, and manual/ automatic fire suppression systems.