

LNG STORAGE CONSTRUCTION

Brunswick-Greenville Storage Facility

OVERVIEW

The proposed liquefied natural gas (LNG) storage facility will strengthen reliability of the electric grid for hundreds of thousands of our customers by supplying a vital backup natural gas supply to Greenville County and Brunswick County power stations. It will contribute significant economic benefits to both counties, with an expectation of up to 300 jobs at peak during construction. These include specialties from electrical, mechanical, and piping to structural steel workers and insulators. In addition to the influx of new jobs, construction needs will produce opportunities for local businesses, increasing local economic impact.

Dominion Energy has experience developing and operating LNG facilities. The Brunswick-Greenville Storage Facility will be constructed on Dominion Energy-owned property adjacent to the existing Greenville County Power Station along the Brunswick County line, using a careful process that is respectful to local communities, land, wildlife and waterways. Dominion Energy will work closely with both counties to identify local businesses to engage with during project open houses and to offer bidding opportunities for various aspects of the construction process, including, but not limited to, equipment rentals, tree services, fencing, gravel/stone, landscaping, waste services, locksmiths, industrial painters, lodging and food services.

CONSTRUCTION PROCESS

1. Project Development

The development of this fuel storage facility will involve a thorough site evaluation and permitting review process. Other activities at this stage include engineering and design, identification of environmental controls, contractor bidding and utility agreements.

3. Construction and Installation

Facility construction is estimated to take place over a 24-month period. Notable activities include:

- Installation of underground firewater piping, gas and flame detection
- Piperack erection and installation of major equipment skids
- Construction of control and maintenance buildings
- Electrical and fiber cables
- Storage tank construction

5. Project Completion

At this stage, all landscaping, permanent environmental controls and roads will be finalized. Staff and local emergency responders will complete any necessary training and site introductions. Dominion Energy will work to obtain any remaining permits and approvals.

2022
to
2024

2024
to
2025

2025
to
2027

2027

Late
2027

2. Site Preparation

Upon approval of various land permits and regulatory reviews, site work can begin with the implementation of environmental controls, fencing and security. All clearing, grading and soil improvements will be completed in approximately three months.

4. Commissioning

Following the completion of equipment installation and construction, and prior to full site operation, the storage facility will undergo rigorous testing and a five-month commissioning process involving systems such as:

- Gas and flame detection
- Water spray and cleaning agent
- Meter station
- Pretreatment
- Liquefaction
- LNG pumps and vaporization
- Training first responders and personnel

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BENEFITS TO THE LOCAL COMMUNITY



Up to **300 jobs** at peak construction



Estimated **\$40.7 million economic boost** with increased spending during construction



Opportunities for direct construction support from local businesses and contractors

HOW WILL IT MEASURE UP?

The new LNG Storage Tank will be an enhancement to Greenville County and Brunswick County power stations with minimal effects to the view shed. Below is a graphical depiction of the storage tank as it compares to the existing station.

