

North Anna Power Station

Powering Virginia for Over 40 Years



Overview

Located at Lake Anna — a man-made lake created to support North Anna — in Louisa County, Virginia, North Anna Power Station has established itself as a vital part of Virginia's energy makeup by producing 17% of the Commonwealth's energy and providing enough reliable, affordable, and carbon free electricity to serve nearly 475,000 homes.

The long-term success of North Anna Power Station can be tied to the safety and reliability of nuclear fuel as well as the dedication of the employees who work there.

Key Facts

- North Anna Power Station is a nuclear power station and is comprised of two Westinghouse Pressurized Water Reactors (PWRs).
- Both Unit 1 and Unit 2 produce approximately 945 MW each. Unit 1 began operations in 1978 and Unit 2 in 1980.
- The station was named after the North Anna River which was dammed to form Lake Anna (Public/Cold Side) and the Waste Heat Treatment Facility (Private/Hot Side). North Anna uses the water from Lake Anna for cooling.

A Look Towards the Future:

In 2020, Dominion Energy filed a second license renewal application with the Nuclear Regulatory Commission. When approved, North Anna Power Station will be available to continue to provide safe, reliable, and carbon-free electricity through 2058 (Unit 1) and 2060 (Unit 2). Renewing the operating licenses for North Anna and Surry is critical to Dominion Energy meeting the Virginia Clean Economy Act (VCEA) clean energy requirements as well as the company's own clean energy commitments.

In 2024, Dominion Energy announced its next steps to move forward with the development of Small Modular Reactors (SMRs). Dominion Energy anticipates its first SMR in Virginia could be operational by the early-to-mid 2030s and potentially located on North Anna Power Station property.

Key Benefits



Supports a Clean and Reliable Grid

Using nuclear fuel, North Anna provides 17% of Virginia electricity and over 45% of its carbon-free electricity



Creates Well-Paying Jobs

Approximately 600 full-time Dominion Energy employees and 200 contract employees work at North Anna. During refueling outages, an additional approximate 1,000 workers support the station



Supports the Local Community

Since beginning operations, North Anna has provided over \$422 million in tax revenue to Louisa County. In addition, hundreds of volunteer hours and thousands of dollars are donated to local community organizations annually



Provides Safe Power Generation

North Anna has safely provided power generation for over 40 years

LEARN MORE:

Schedule a visit to the North Anna Nuclear Information Center by calling **540-894-2029** or emailing northannacommunications@dominionenergy.com



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