



Nokesville - Bristow 230kV Electric Transmission Project

Virtual Community
Meeting
November 3, 2025



What this looks like for our communities.

We must upgrade and add new energy infrastructure in the Commonwealth to ensure reliable energy supporting residential homes, businesses, data centers, and vital government services.

New electric infrastructure will improve reliability for all customers in the region, enable EV growth, and help distribute cleaner energy.

We are actively engaged with our customers and other stakeholders to develop solutions and provide benefits to residential, small business, national security, or homeland defense customers.



Key Regulatory Bodies



FERC – Exclusive jurisdiction to determine and regulate the reliability of the electric transmission grid



NERC – Regulatory authority to develop and enforce the mandatory reliability standards – criteria, data and methodology to evaluate and ensure the reliability of the bulk power system in North America



PJM – Regional transmission organization (RTO) that coordinates the movement of wholesale electricity in all or parts of 13 states and the District of Columbia; Virginia law mandates Dominion Energy's membership



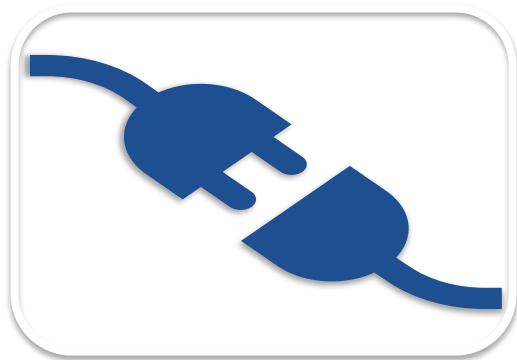
State Regulators – State Corporation Commission, Department of Environmental Quality, Department of Transportation, and others



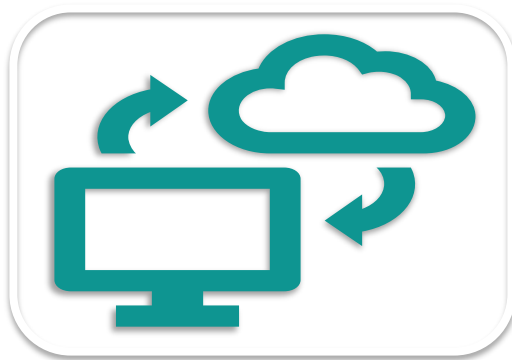
Local Governments – Regulate local land use (substations); typically, electric transmission lines equal to or less than 138 kV

The Energy Landscape is Changing

Rapidly



Electrification



“Datafication”



“Greenification”

Nokesville - Bristow 230 kV Transmission Line Project



Nokesville – Bristow 230 kV Project

Project Components

- Adding a new 230 kV transmission line that will connect the Nokesville Substation to the **future** Bristow Switching Station
- Currently evaluating 3 overhead routes (blue, yellow, pink)
- Average length of line will be about 6.5 miles long.

Benefits

- Dependable service as the Innovation Park area grows
- Helps the Northern Virginia area and the region to maintain national reliability standards
- Meets national electric reliability standards set by PJM.

Route

- Starts at Nokesville substation and terminates at the future Bristow Switching Station

Additional Details

- 100' ROW needed
- Average structure height: 119 feet
- Tentative filing planned for Q1 2026

Routing Overview

November 3, 2025

Underground Routing

Dominion Energy conducted a thorough underground study and found that installing the Nokesville-Bristow 230kV transmission line underground is not prudent due to various considerations like space constraints, natural gas pipeline constraints, and environmental constraints.

Open Trenching Impacts

- Most of the route will need open trenching, which could affect sensitive environmental areas along the route. This includes permanent changes to wetlands and possible impacts on water flow.

Right-of-Way Restrictions

- Underground right-of-way would have the same clearing requirements and use restrictions as an overhead line.

Utility Relocation Challenges

- Existing underground utilities, such as water, gas, and internet, would need to be relocated, increasing the project's complexity, cost, and timeline.

Directional Drilling Complexity

- The number of roads, waterbodies, and railroads necessitates special techniques like directional drilling for underground construction, making the process more complex and costly.



Typical Structures

NOKESVILLE

Transmission Line Project

Typical Proposed Structure

Visualization is for discussion purposes only.
Final design is subject to change pending public,
engineering, and regulatory review.



119' Tall
on average

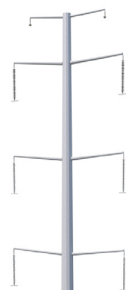
Monopole
Galvanized Steel



100' Right-of-Way

119' Tall
on average

Monopole
Galvanized Steel



100' Right-of-Way

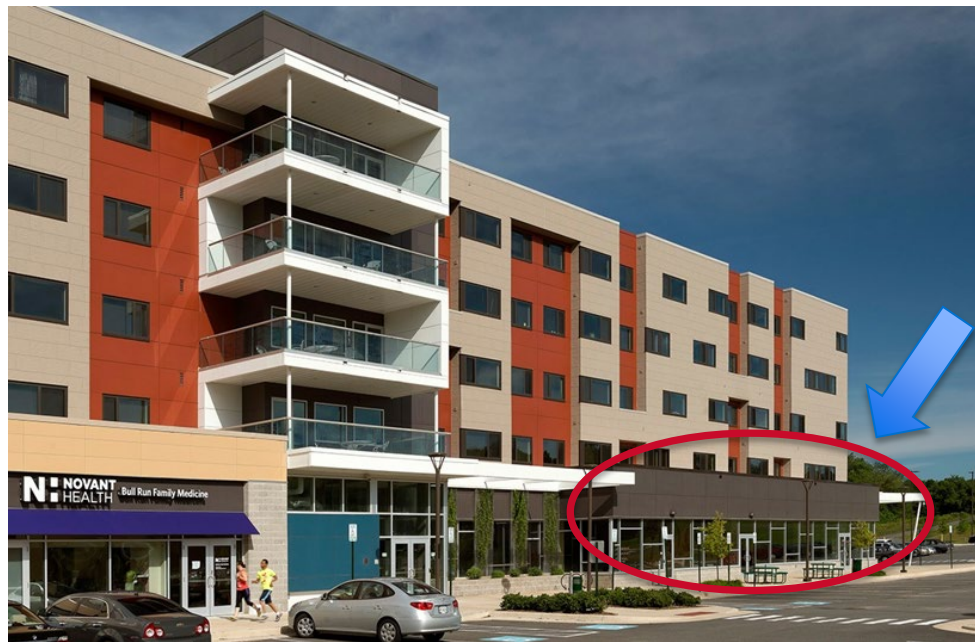
Project Timeline

Nokesville 230kV Electric Transmission Project Anticipated Timeline	
Q2 TO Q4 2025	Public Outreach and Engagement
Q1 2026	Submit Application to the State Corporation Commission (SCC)
Q1 2027	Anticipated SCC Approval
Q4 2027	Begin Project Construction
September 2029	Construction Completed

Community Meeting Details

- **Wednesday, Nov. 5**
from 5:30 to 7:30 PM
- Beacon Hall Conference Center – GMU Campus
 - 10945 George Mason Circle, Manassas, VA 20110

Prince William
County



GeoVoice

Sign up to provide our team with comments about the locations that matter to you. For example, you can add details about natural or historic resources in your community or more information related to your specific property.

**Dominion Energy**

PRINCE WILLIAM COUNTY
Transmission Projects



Welcome to GeoVoice
a new interactive map tool for
Dominion Energy's transmission line
projects. You can use GeoVoice to
explore and comment on proposed
project routes and participate
firsthand in the routing process.

[BACK](#) ● ● ● ● ● [NEXT](#)

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Q&A

Committed to public engagement.

Dominion Energy takes our responsibility seriously to provide our customers with **safe, reliable, and secure energy**.

We're **committed** to exploring all options to address any concerns regarding these needed projects.

We're meeting with local government leaders, businesses, and the communities we serve to share our plans and **listen** to their feedback.

