



Dominion Energy

Update to the Alexandria City Council
September 9, 2025

SYEP Visit to ALX Field Office



- Dominion Energy's presence in the City of Alexandria
- Report of projects from 2022 to 2027
- Highlight of local project: Glebe Electric Transmission
- Regional projects
- Working for our community

Dominion Energy in the City of Alexandria



Dominion Energy is committed to safely providing reliable, affordable, and increasingly clean energy. We are excited to share some key details about your community.

Who we serve in your city:



62,500
Residential



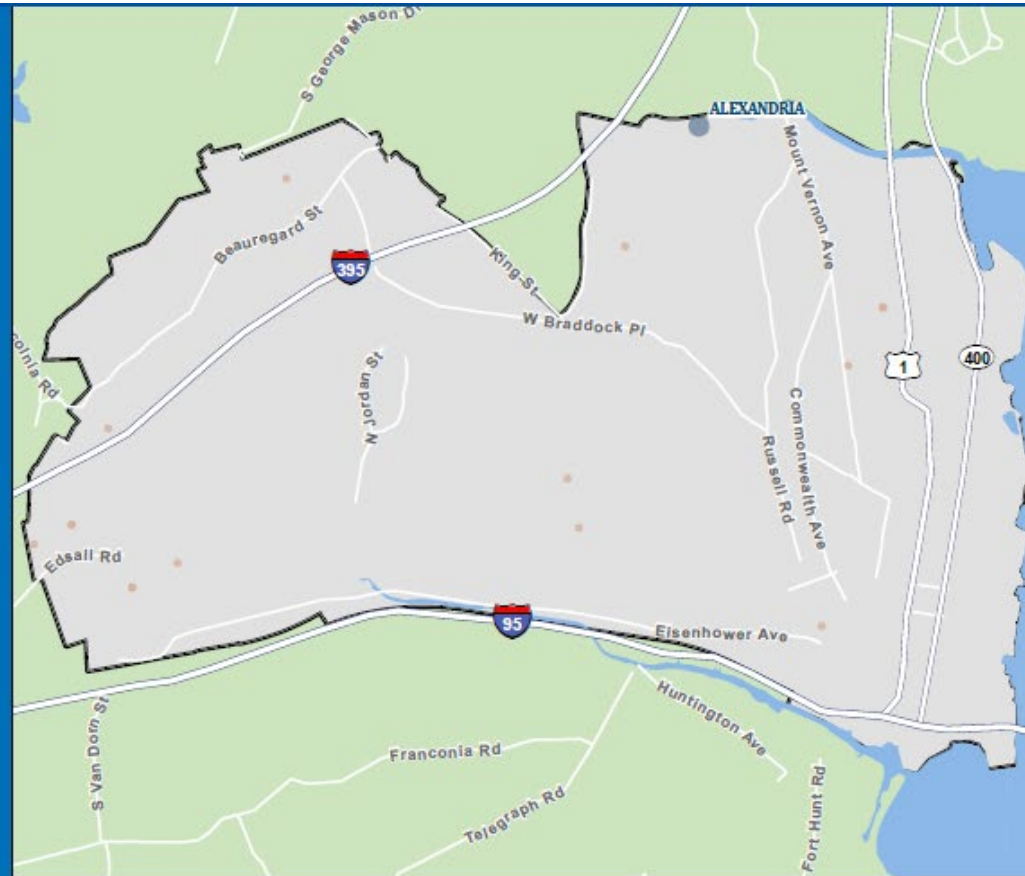
5,600
Commercial



2
Industrial



440
Governmental



● Dominion Energy Office

▲ Generation Site

■ Solar for Students

● Employee Residence

Investments in Reliability Projects

2022

- \$5.59M invested
- 24,014 customers impacted
- 27 projects completed:
 - 15 proactive UG switch replacements
 - 7 automation schemes
 - 1 project to proactively replace 1.5 miles of underground cable
 - 3 overhead line upgrades
 - 1 OH-UG conversion

2023

- \$7.81M invested
- 14,615 customers impacted
- 7 projects completed:
 - 1 automation scheme
 - Creation of new circuit tie
 - 4 overhead line upgrades
 - North Alex Substation improvement (2 new circuits completed in 2024)



Investments in Reliability Projects



2024 – 2025 (Q1)

- \$4.62M invested
- 18,163 customers impacted
- 3 projects completed:
 - 1 Overhead line upgrade
 - 2 OH-UG conversions
 - North Alex Substation improvement

Summary of Investments 2022-2025

- \$18.02M total
- 56,792 customers impacted (some customers double counted due to multiple projects providing benefit)
- 37 projects completed



Investments in Reliability Projects



2026 – 2027 (Planned)

- \$11.3M additional investments
- 7 projects planned:
 - 2 Proactive UG switch replacements
 - 1 automation scheme
 - 2 overhead line upgrades
 - 2 North Alex Substation upgrades: new transformer & new circuit

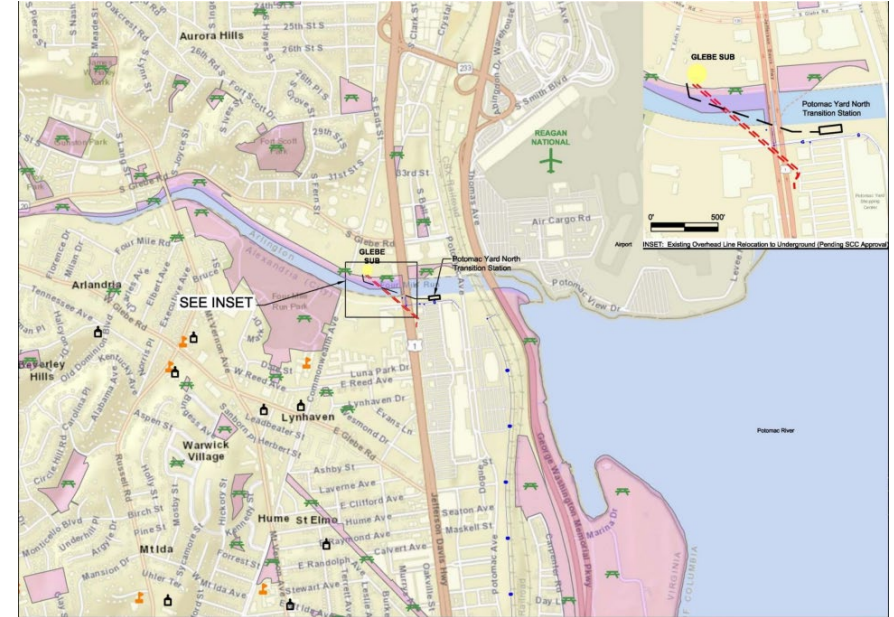


Glebe Electric Transmission Project

This project will allow DE to continue providing reliable electric service to the area, and it involves 3 components:

1. Rebuilding and modernizing the Glebe Substation in Arlington County, which was built in the 1970s and is reaching its end of service life.
2. Converting an existing overhead electric transmission line to an underground line between the Glebe Substation and Potomac Yard Transition Station.
3. Decommissioning of the Potomac Yard Transition Station in Alexandria and the existing overhead line from service.

Status: About 80% of work is completed within Alexandria. It will still be active for the next 2 years as we are only able to transfer 1 line at a time so we can maintain the grid reliability (total of 8 lines).



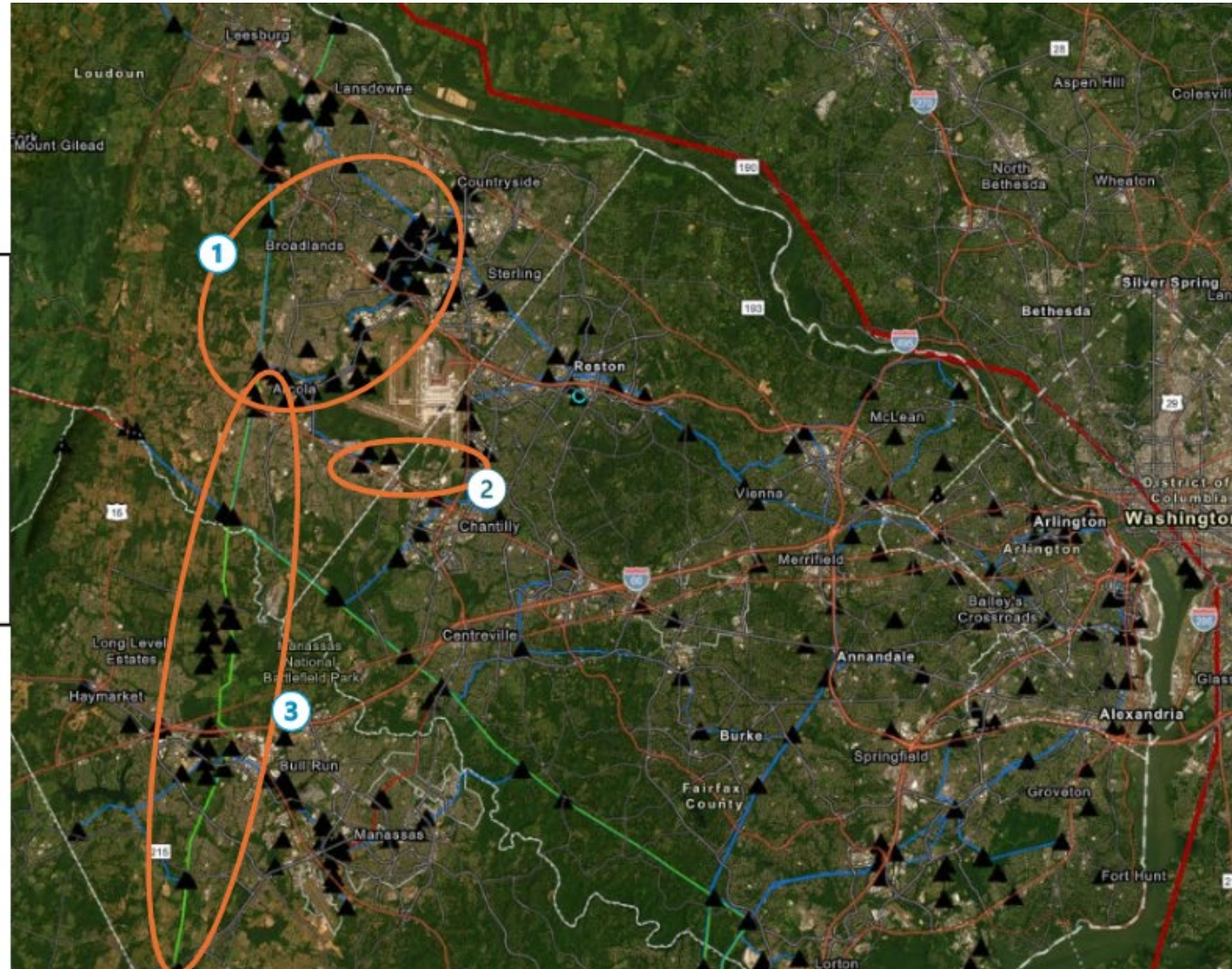
Transmission Projects in NOVA



Key Electric Transmission Projects	Location	Project Description	Project Timeline
Apollo - Twin Creeks (part of Loudoun Reliability 500 kV Loop)	Loudoun County	New 230 kV line, approximately 2 miles of new right of way, connecting to five new substations. Project Goal: Reliability for the area by allowing bulk energy for the growing energy needs.	SCC Filing – March 27 th , 2024 (with Aspen – Golden)
Aspen – Golden (part of Loudoun Reliability 500 kV Loop)	Loudoun County	New 500 kV and 230 kV lines, along with new Aspen and Golden substations. Project Goal: Reliability for the area by allowing bulk energy for the growing energy needs.	SCC Filing – March 27 th , 2024 (with Apollo – Twin Creeks)
Aviator – Takeoff	Fairfax and Loudoun counties	New Takeoff Substation with new 230 kV line going through 3.2 miles of new right of way. Project Goal: Improve area reliability due to larger load movement from generation.	SCC Approval – March 2025 Under final design, late 2026 construction target start
Golden – Mars (part of Loudoun Reliability 500 kV Loop)	Loudoun County	New 500 kV and 230 kV lines, completing the 500 kV loop through eastern Loudoun County. Project Goal: Reliability for the area by allowing bulk energy for the growing energy needs.	SCC Filing – March 28 th , 2025
Morrisville – Wishing Star	Fauquier, Prince William, and Loudoun counties	New 500 kV line along 36.5 miles of existing right of way. Additionally, a new 230 kV line will be added in Fauquier County along with the expansion of Morrisville Substation. Project Goal: Increased area reliability due to larger load movement from generation.	Target SCC Filing – January 2026
Wishing Star – Mars (part of Loudoun Reliability 500 kV Loop)	Loudoun County	New 500 kV and 230 kV lines, along with new Wishing Star and Mars substations. Project Goal: Reliability for the area by allowing bulk energy for the growing energy needs.	SCC Approval – April 2023 Under construction with 12/31/25 energization target

Transmission Projects in NOVA

- 1 – Loudoun Reliability
500 kV Loop**
- 2 – Aviator to Takeoff**
- 3 – Morrisville to Wishing
Star (continues down
through Prince William,
ending in Fauquier)**



Working for our community



