

# CENTRAL VIRGINIA TRANSMISSION RELIABILITY PROJECT

## AMHERST - REUSENS

### PROJECT CONSTRUCTION INFORMATION AND TIMELINE

Appalachian Power representatives plan to upgrade the local electric transmission grid in Virginia. The Central Virginia Transmission Reliability Project provides a new electrical source for the region, increases reliability to customers and supports the retirement of aging equipment. The project includes several phases throughout the next few years.

Construction for the Amherst - Reusens phase is expected to begin in early 2023 and conclude spring 2024.

#### PROJECT COMPONENTS & BENEFITS

- Rebuilding approximately 12 miles of 138-kilovolt transmission line in or near the existing right-of-way
- Expanding the existing Monroe and Amherst substations
- Replacing wooden structures with modern steel structures
- Strengthening the transmission system and increasing electric reliability for area customers
- Clearing vegetation in the right-of-way to ensure the safe operation of the power line and reliable electric service

#### TRAFFIC CONTROL

Appalachian Power representatives work to ensure public safety and minimize inconveniences during construction.

Crews plan to:

- Close road lanes as needed
- Use flaggers and signs to aid traffic flow on streets during the day
- Open road lanes at night if safety allows

#### SAFETY TIPS

- Keep your distance from construction workers and equipment
- Stay outside of temporary safety barriers
- Be aware of uneven or slippery surfaces
- Slow down when driving in the area and make sure your headlights are on
- Watch for posted signs, road closures and traffic detours
- Follow flaggers' instructions

#### WHAT TO EXPECT DURING CONSTRUCTION

**Construction Corridor Development: January - Summer 2023**

**Crews prepare for construction by:**

- Marking utilities and pole locations along the power line route using stakes and flags
- Removing fences, trees, and other obstructions from the right-of-way area
- Installing fences around the construction area for public safety and to control sediment
- Removing parts of sidewalks around various pole locations
- Removing soil to make room for the larger bases of the new poles

**As part of this process, crews clear the right-of-way:**

- Forestry crews prepare for transmission line construction by clearing trees and woody-stemmed vegetation from the right-of-way.
- Clearing allows for the safe construction, operation and maintenance of the line and ensures reliable electric service for area customers.
- The North American Electric Reliability Corporation (NERC) set standards that requires utilities to establish minimum clearance distances between transmission lines and the nearest vegetation. Non-compliance can lead to significant community-wide power outages and penalties for the utility.
- Crews may clear identified danger trees outside the right-of-way as allowed per the easement language.
- When possible and practical, crews use selective clearing practices to retain low-growth shrubs and bushes.

**Pole Installation: Spring - Summer 2023**

At most pole locations, crews:

- Assemble the new pole and place it near the installation area
- Remove existing wires and other equipment from the existing poles
- Remove the existing poles
- Install and stabilize the foundation of the new pole
- Install and secure the new pole

**New Wire Installation: Fall 2023-Spring 2024**

Crews install new wires on the new steel poles along the power line route.

**Facilities Placed In Service: Spring 2024**

Crews energize the equipment after finishing pole and wire installations.

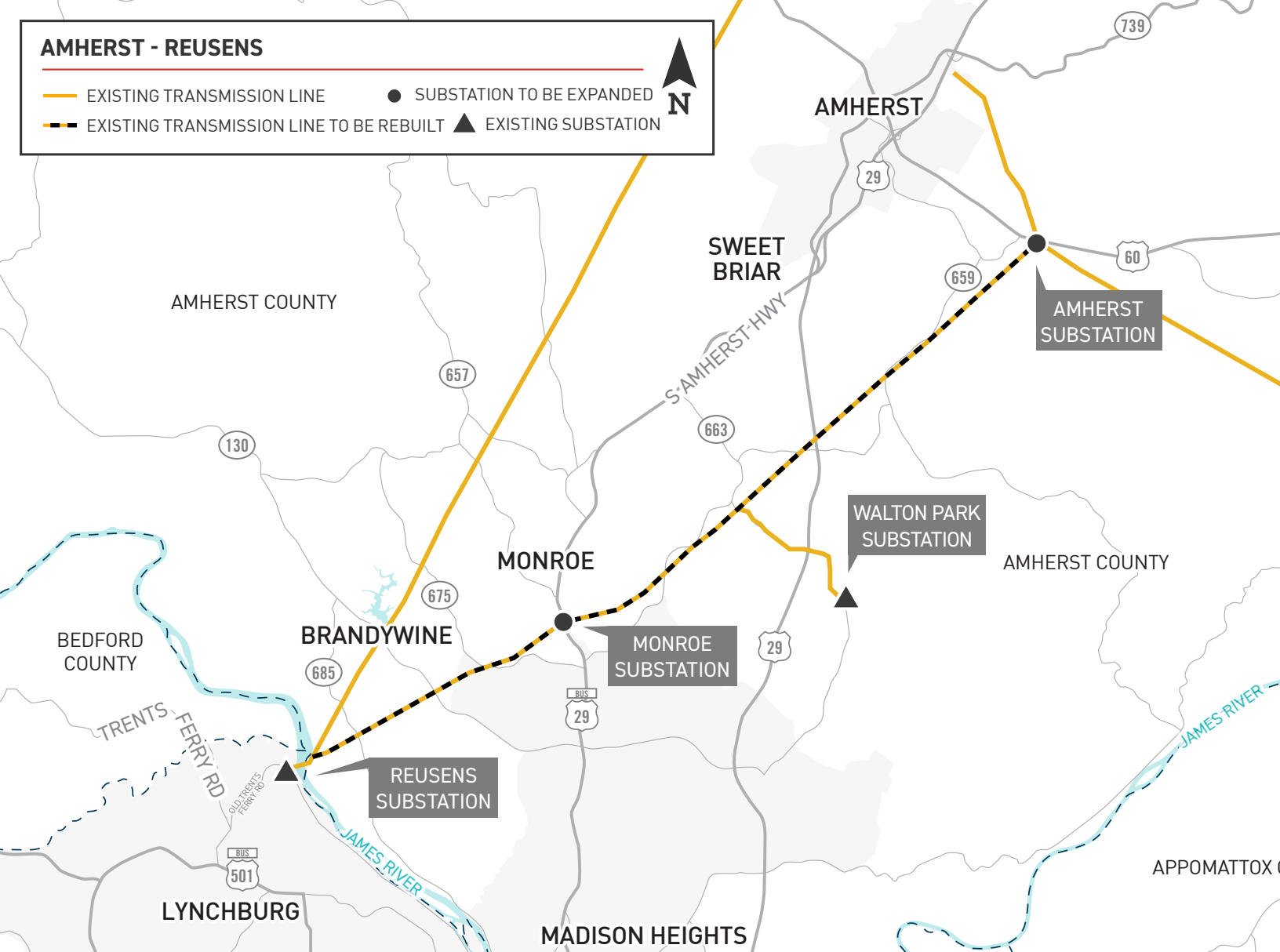
**Post Construction & Site Restoration: Throughout 2024**

Appalachian Power crews follow construction crews throughout the project to restore properties to as close to their pre-construction condition as possible. Activities include restoring sidewalks, reseeding properties, etc.

Right-of-way agents also work with landowners to address any other property damages.

# AMHERST - REUSENS

- EXISTING TRANSMISSION LINE      ● SUBSTATION TO BE EXPANDED
- EXISTING TRANSMISSION LINE TO BE REBUILT      ▲ EXISTING SUBSTATION



**Example of Temporary Fencing to Control Sediment Movement**



**Example of Pole Assembly**



**Example of Wire Installation**

**WE VALUE YOUR INPUT.**  
**PLEASE SEND COMMENTS AND QUESTIONS TO:**  
 CORTNEY MUSTARD • PROJECT OUTREACH SPECIALIST  
 CAMUSTARD@AEP.COM • 833-313-3743

