

# CENTRAL VIRGINIA TRANSMISSION RELIABILITY PROJECT JOSHUA FALLS-GLADSTONE



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.

Joshua Falls - Gladstone involves building about 15 miles of transmission line and making improvements to four substations in Amherst, Appomattox, Campbell and Nelson counties. Company representatives expect construction for this phase to begin in early 2023 and conclude by spring 2024.



## WHAT

The Joshua Falls - Gladstone phase includes:

- Building about 15 miles of 138-kilovolt transmission line
- Expanding Appalachian Power's Amherst and Riverville substations
- Upgrading Appalachian Power's Boxwood Substation
- Expanding Central Virginia Electrical Cooperative's Gladstone Substation

## WHY

The project:

- Strengthens the local power grid
- Increases electric reliability in the area
- Reduces the likelihood of power outages

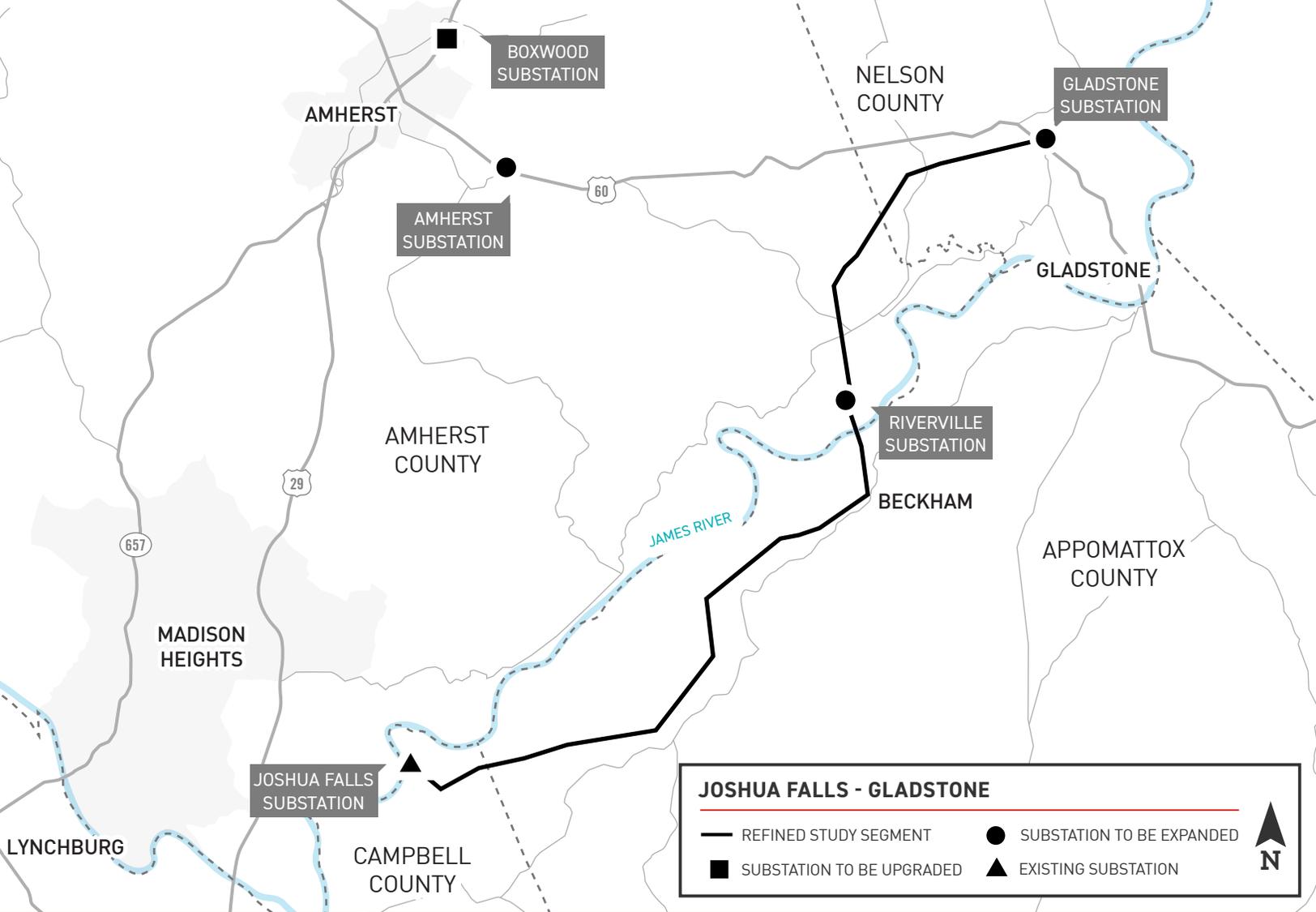
## WHERE

Potential route options for the new transmission line begin at the Joshua Falls Substation located off Mt. Athos Road in Campbell County, and continue east for about 10 miles to the Riverville Substation located off Edgehill Plantation Road in Amherst County. From there the potential line route options continue east for about 5 miles to the Gladstone Substation, located off Highway 60 in Nelson County.

Company representatives plan improvements at the Riverville, Gladstone, Amherst and the Boxwood substations.

## PROJECT SCHEDULE





**JOSHUA FALLS - GLADSTONE**

REFINED STUDY SEGMENT	SUBSTATION TO BE EXPANDED
SUBSTATION TO BE UPGRADED	EXISTING SUBSTATION

N

## TYPICAL STRUCTURES

The project primarily involves using steel three-pole and H-frame structures to build the new transmission line. Proposed structures vary depending on the location.

Structure Height: [Approximately 70-90 feet](#)  
 Right-of-Way Width: [Approximately 100 feet](#)

\*Exact structure, height and right-of-way requirements may vary depending on final line route.



**APPALACHIAN POWER VALUES YOUR INPUT ABOUT THIS PROJECT. PLEASE SEND COMMENTS AND QUESTIONS TO:**

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