

Joshua Falls 765-kV Substation Relocation Project

Appalachian Power representatives plan to relocate and upgrade the Joshua Falls 765-kilovolt (kV) Substation in Campbell County. Construction begins spring 2028 and concludes by fall 2030.

What

The project involves:

- Building approximately 1.5 miles of new 765-kV transmission line
- Building approximately 2.7 miles of new 138-kV transmission line
- Relocating and upgrading the Joshua Falls 765-kV Substation
- Retiring the existing Joshua Falls 765-kV Substation
- Removing approximately 3 miles of 765-kV transmission line

This project involves filing an application with the Virginia State Corporation Commission (SCC).

Why

The substation relocation is proposed to accommodate the Valley Link Transmission Project.

Project benefits include:

- Increasing electric reliability for area customers
- Increasing substation capacity to meet future needs
- Improving substation site conditions to avoid steep terrain and grading issues

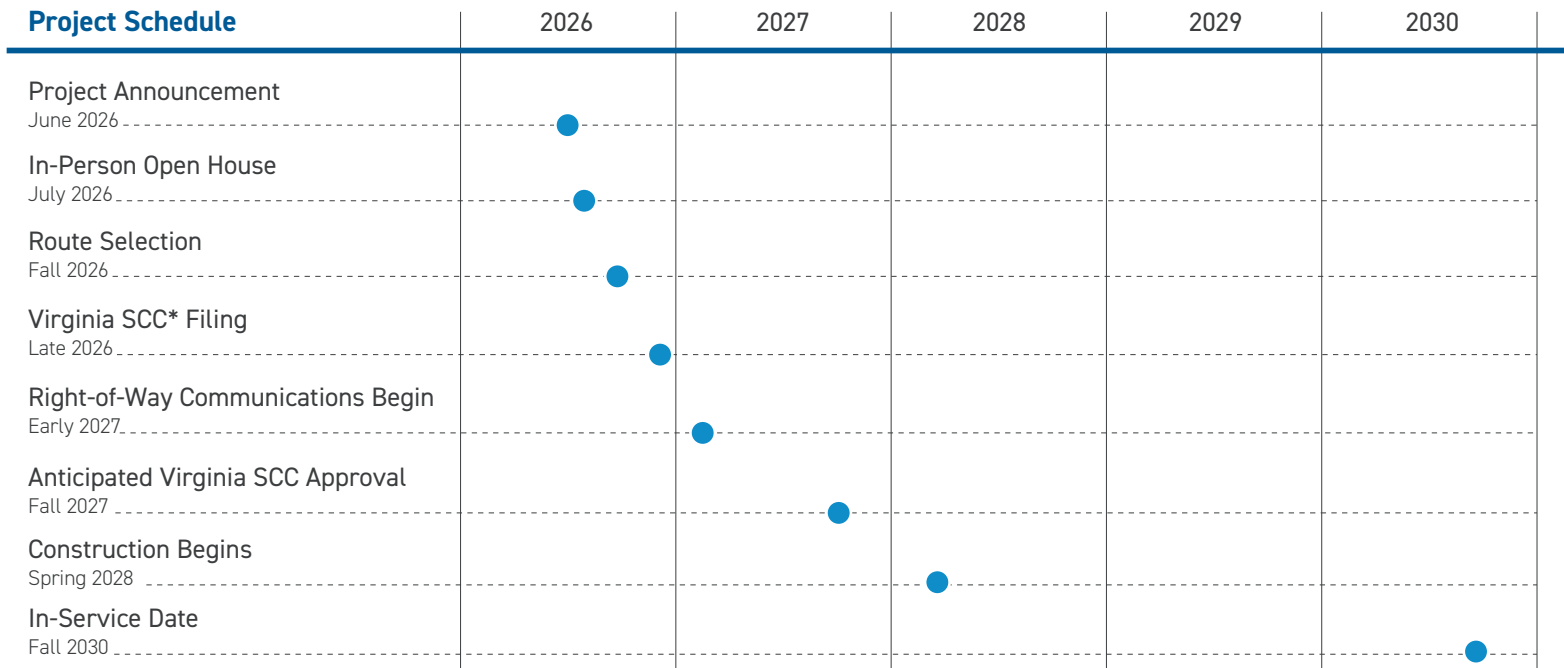
Where

The project area includes:

- Campbell County

The 765-kV substation is proposed for relocation to a large former timber property.

Project Schedule

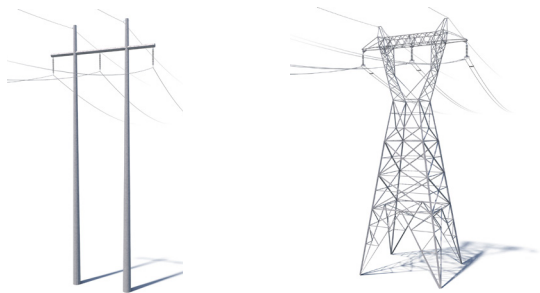


*Timeline subject to change.

Typical Structures

Crews plan to install steel H-frame and lattice tower structures along the 138-kV line route.

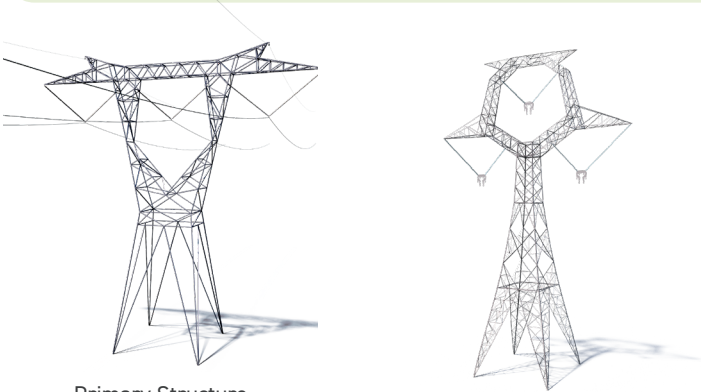
Typical Structure Height: Approximately 90 - 120 feet*
Typical Right-of-Way Width: Approximately 100 feet*



Primary Structure

Crews plan to install horizontal lattice and delta lattice tower structures along the 765-kV line route.

Typical Structure Height: Approximately 135 - 165 feet*
Typical Right-of-Way Width: Approximately 200 feet*

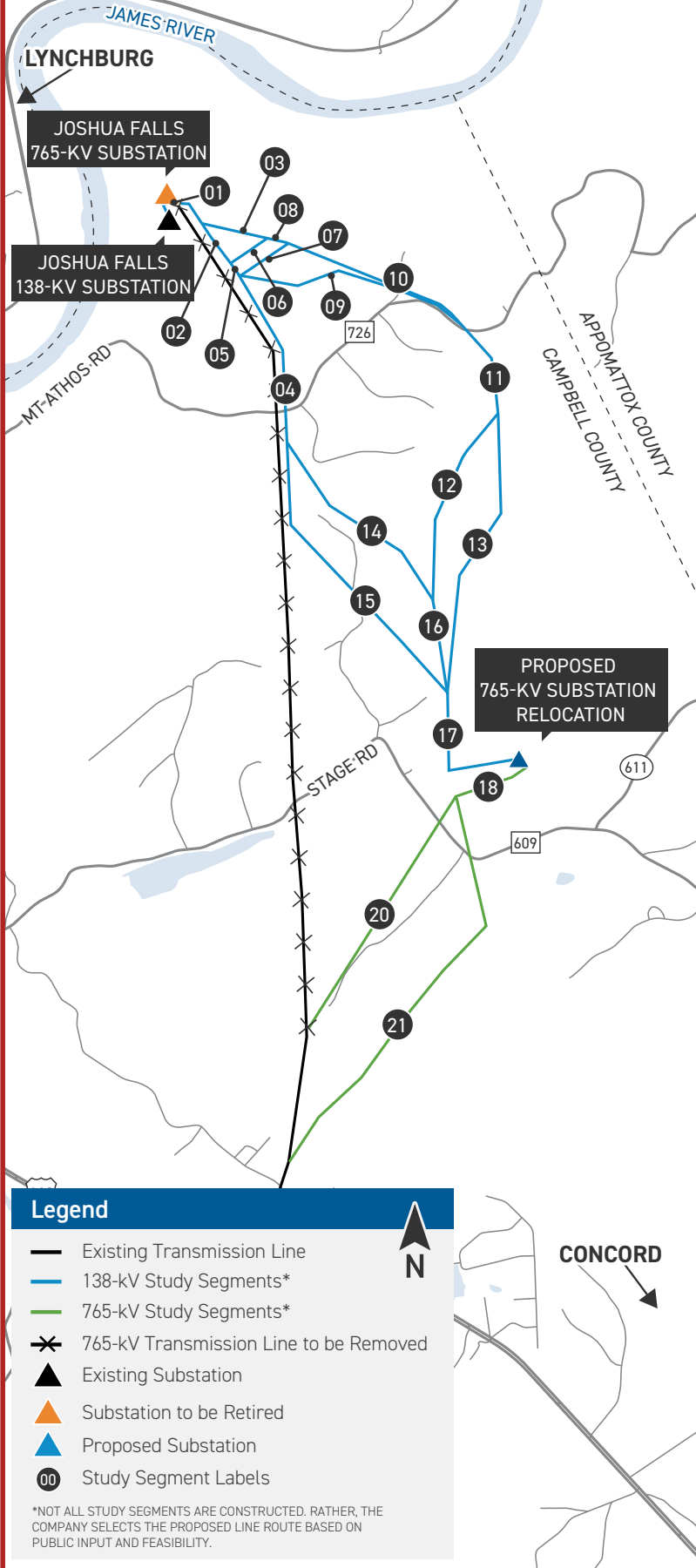


Primary Structure

Typical Substation**



*Exact structure, height, and right-of-way requirements may vary.
**Substation shown is a general depiction of the proposed facilities for the project. It does not represent final design.



We value your input. Please send comments and questions to:
Nancy Miller • Project Outreach
Apco_Outreach@aep.com • 833-760-0604

AppalachianPower.com/JoshuaFallsStation