

# Boone County Area Improvements Project

## (Boone - South Charleston)



Appalachian Power and its affiliate, West Virginia Transmission Co., plan to strengthen the transmission system in southern West Virginia by upgrading its existing electrical infrastructure.

The Boone - South Charleston Project will rebuild about 18 miles of an existing transmission line, relocate a substation and make upgrades to additional substations to provide Boone and Kanawha counties with continued reliable electric service.

The project is the second phase of the larger Boone County Area Improvements Project. Construction is expected to start at the end of 2018 and last about two years.

Estimated budget for this phase is \$40 million.



### WHAT

The Boone - South Charleston Project consists of upgrading about 18 miles of existing transmission line, relocating a substation and upgrading other existing substations to provide the southern West Virginia area with a reliable and robust transmission grid. The project will also help alleviate stress on the overall transmission system and reduce extended power outages to customers.



### WHY

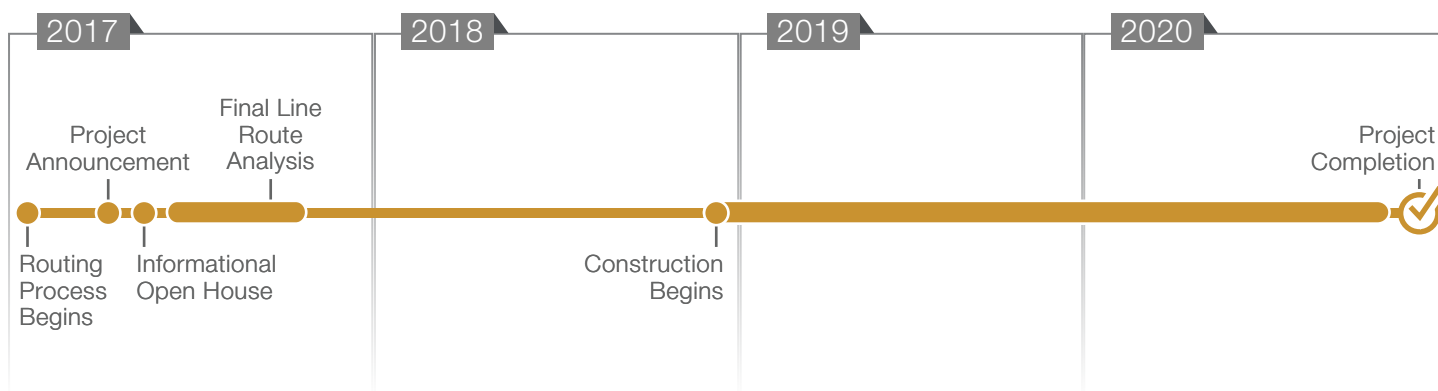
Continued growth has pushed the region's transmission grid to capacity. The existing Boone-Turner 46-kilovolt (kV) transmission line was originally built almost 100 years ago and can no longer handle the current power demand. Upgrading this line to 69 kV, in conjunction with the first phase of the project, will provide the area with a more reliable energy source capable of handling the increase in power.



### WHERE

The proposed transmission line to be rebuilt starts at the Boone Substation south of the community of Ashford. The line runs northwest through Boone County crossing over Route 119 into Alum Creek. The line then heads northeast through Little Creek Park before ending at the Wards Hollow Substation in the WV Regional Technology Park.

## Project Schedule



\* Timeline is subject to change. Please visit project website for updated schedule.

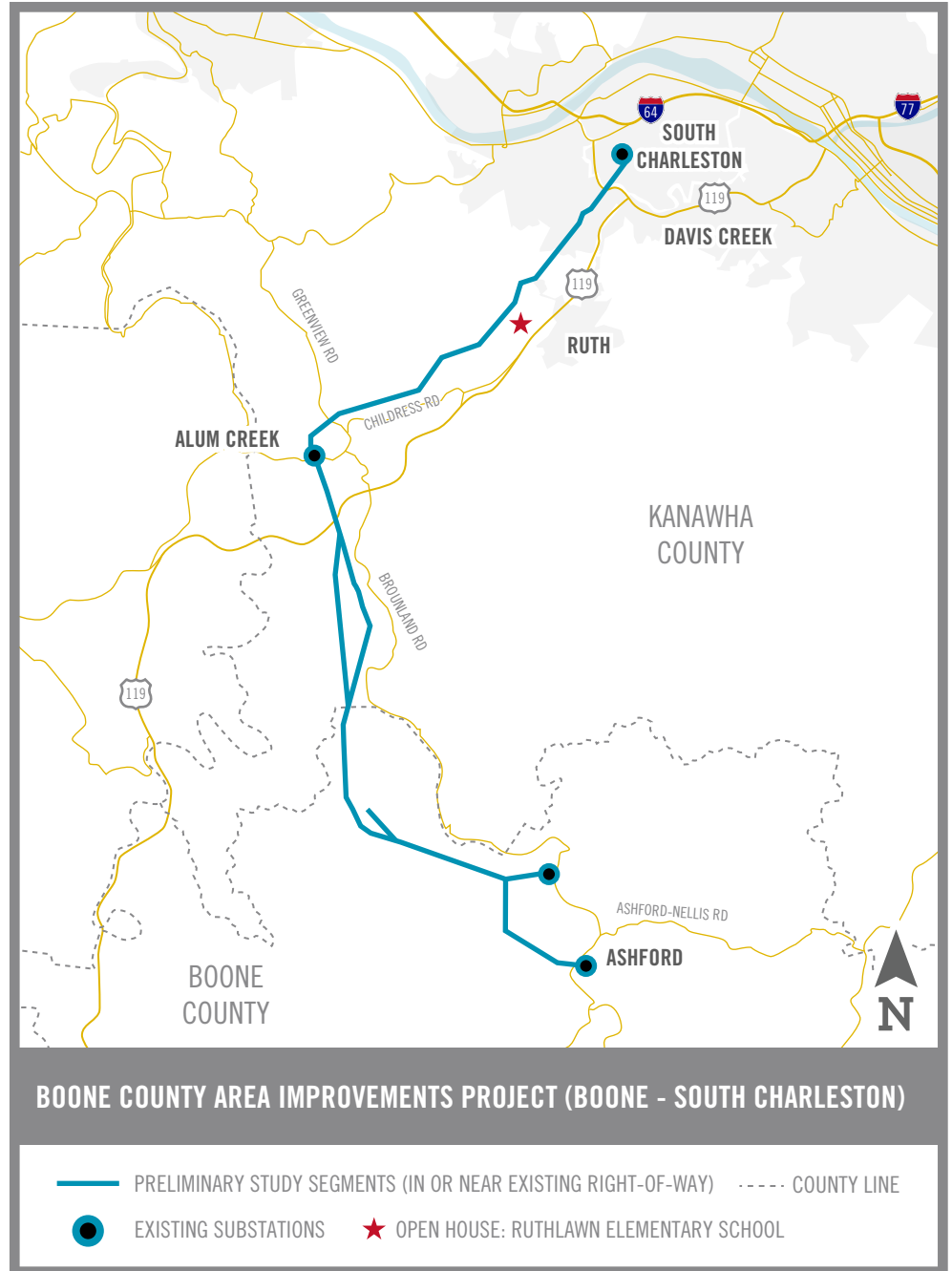
## Typical Structures

Structures along the route will be about 100 feet tall. The typical right-of-way will be 100 feet wide. Appalachian Power is committed to carefully balancing the energy needs of homes and businesses while protecting the environment and natural beauty of the region.



\*Exact structure and height may vary from those shown

## Project Map



Appalachian Power welcomes your feedback regarding the project. Please send comments and questions to:

### Contact:

#### Cortney Mustard

Project Outreach Specialist

833-313-3743

camustard@aep.com

If you have questions or need more information visit the project website at [www.AppalachianPower.com/SouthCharleston](http://www.AppalachianPower.com/SouthCharleston)



An AEP Company

BOUNDLESS ENERGY™