

# Boone County Area Improvements Project

## (Boone - Cabin Creek)



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

The Boone County Area Improvements Project will rebuild about 16 miles of an existing transmission line, build a new substation and make significant upgrades to additional substations to provide Boone and Kanawha counties with continued reliable electric service.

Construction is expected to start late 2017 and be completed by the end of 2019. The estimated project budget is \$62 million.



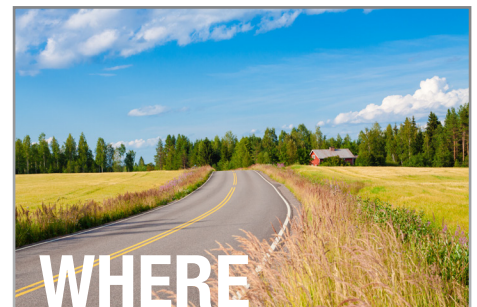
### WHAT

The Boone County Area Improvements Project consists of upgrading about 16 miles of existing transmission line, construction of a new substation, and upgrading and expanding 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.



### WHY

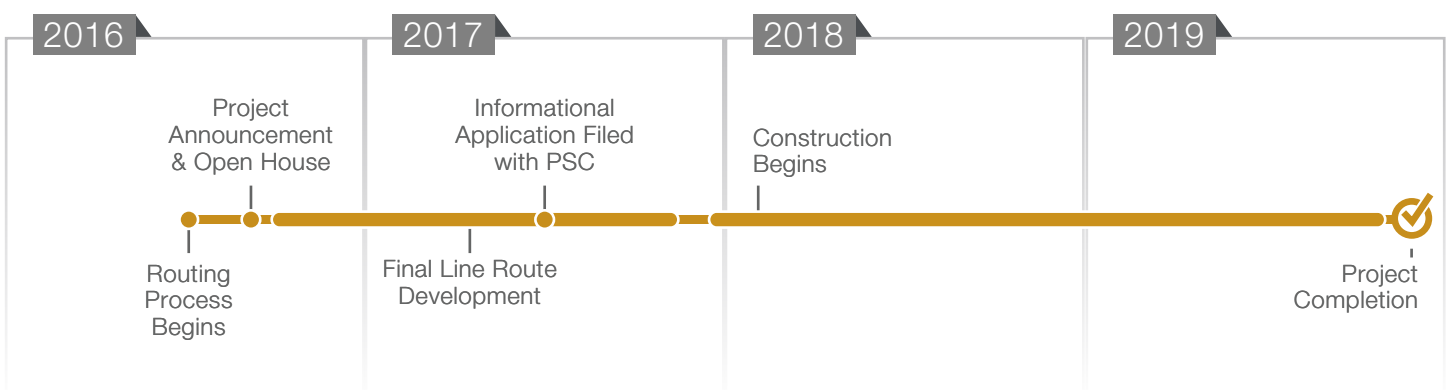
Continued growth has pushed the region's transmission grid to capacity. The existing Boone - Cabin Creek 46-kilovolt (kV) transmission line was originally built 90 years ago and can no longer handle the current power demand. Upgrading this line to 138 kV will provide the area with a sturdier, more reliable energy source capable of handling the increase in power.



### WHERE

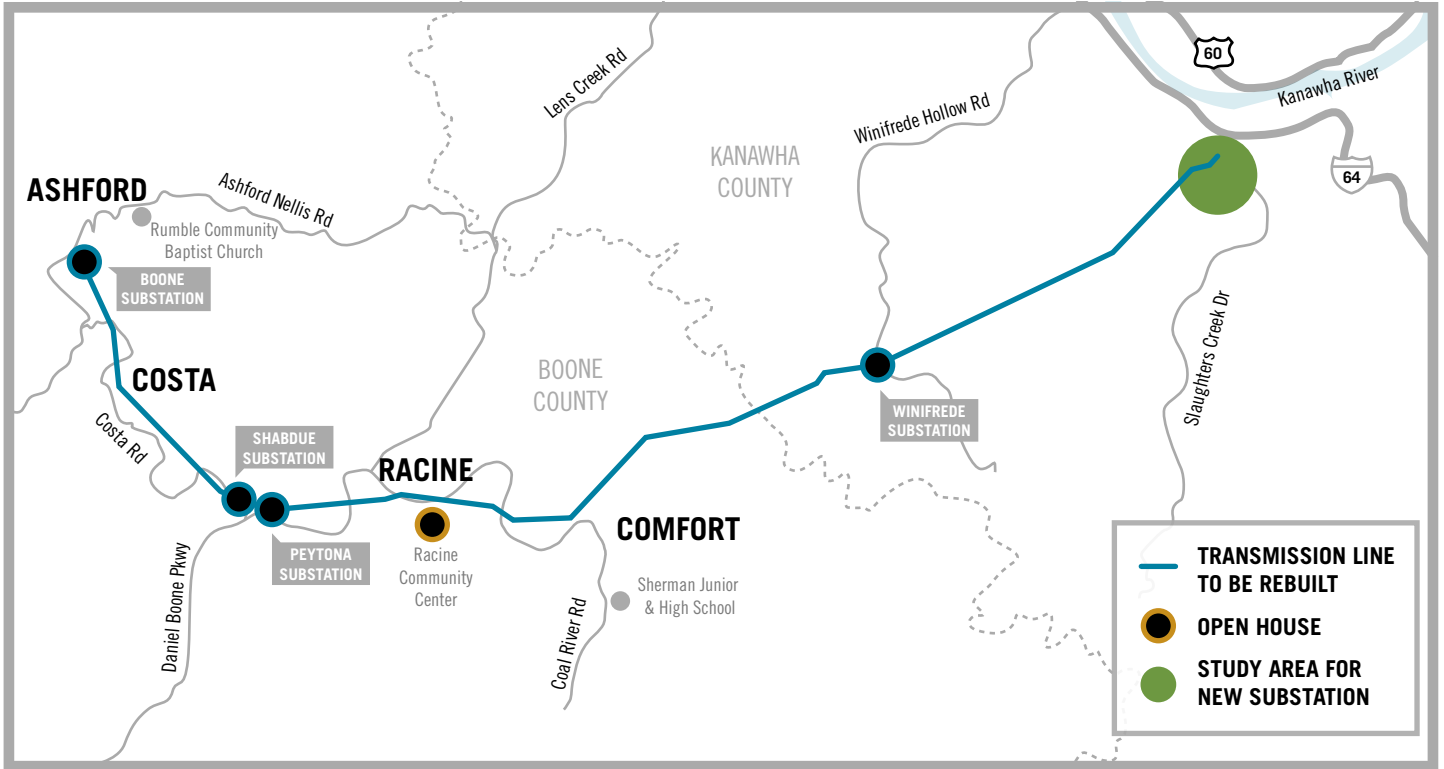
The proposed transmission line to be rebuilt starts at the Boone Substation south of the community of Ashford. The line runs southeast through Boone County passing through the communities of Costa and Racine for about 10 miles, before crossing into Kanawha County. The new substation will be located in the Cabin Creek area south of Interstate 64.

## Project Schedule\*



\*Timeline is approximate. | • PSC is Public Service Commission

# Project Map



## 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



Appalachian Power values your input about this project. Please send comments and questions to:

### Contact:

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



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