

Duffield

Area Improvements

Appalachian Power plans to address reliability concerns due to aging equipment by making upgrades to its electric transmission grid in Scott County, Virginia.

The proposed Duffield Area Improvements project consists of upgrading approximately 15 miles of existing transmission line and upgrading and expanding an existing substation to help handle local increased power demand.

Estimated budget for the project is \$10 million. Construction is expected to start spring 2016 and be completed by the end of 2017. All transmission line work will be done in existing right-of-way.



WHAT

Major components of the Duffield Area Improvements Project include:

- Approximately 15 miles of 34.5 kilovolt transmission line upgraded to 69 kV
- Upgrade and expand the Sunbright Substation



WHY

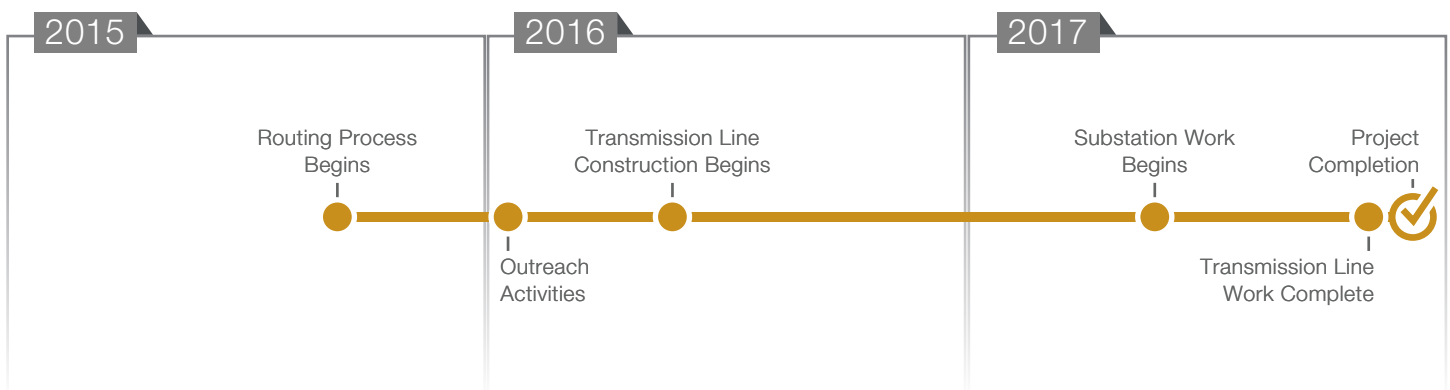
Appalachian Power identified the need to address electric reliability concerns during the winter of 2014. Aging infrastructure and extreme weather contributed to equipment reaching its maximum capacity. Building new transmission facilities and upgrading the existing ones provides a network capable of reducing the possibility of major power outages.



WHERE

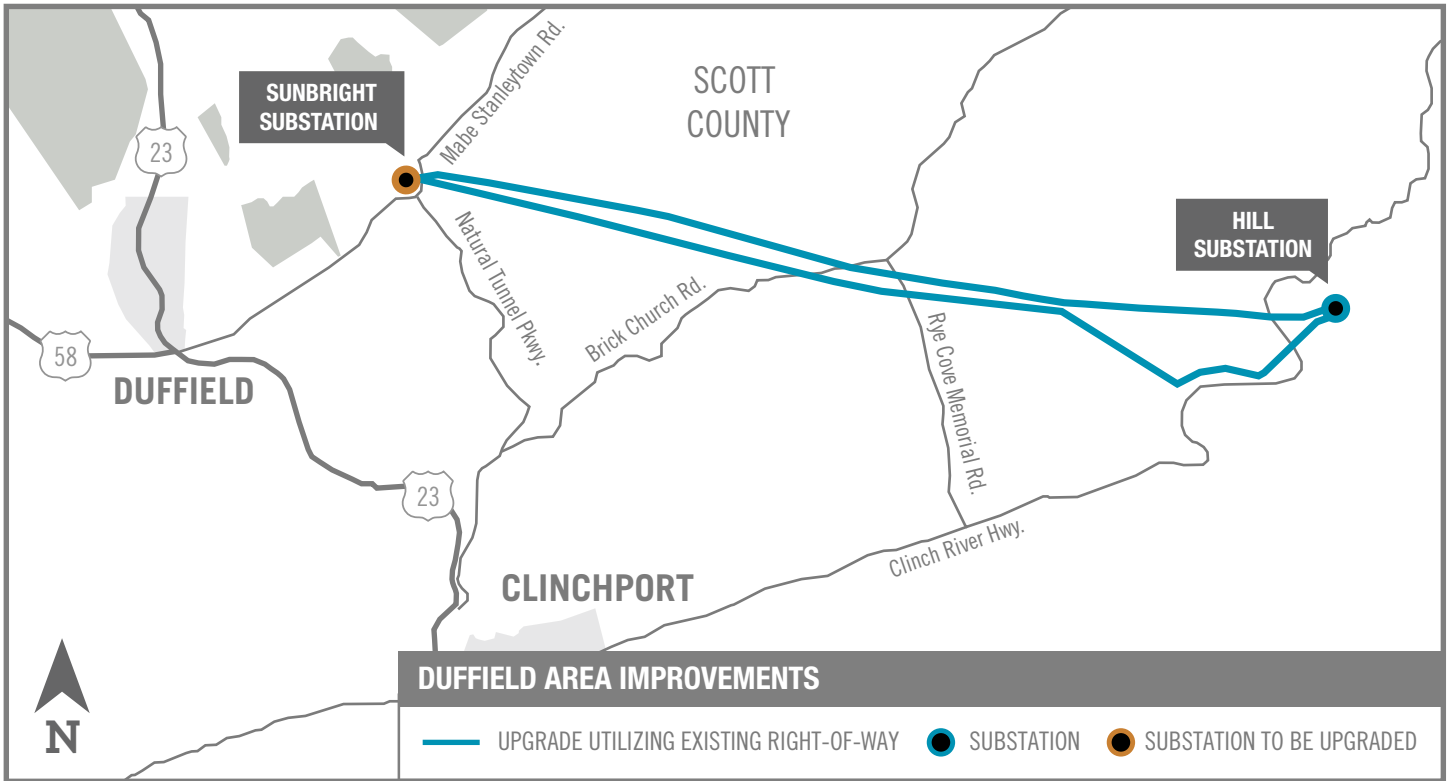
All proposed work will take place in western Scott County. The transmission lines to be upgraded run west from Hill Substation just north of Sallings Monument Lane. The lines cross several roads including Clinch River Highway and Rye Cove Memorial Road before connecting to the Sunbright Substation on Mabe Stanley Town Road.

Project Schedule*



*Project schedule is subject to change.

Project Map



Substations



Substations are facilities that direct the flow of electricity. They can either increase or decrease voltage levels before transporting electricity to its next destination – homes, businesses or industrial customers.

Appalachian Power is committed to carefully balancing the energy needs of our customers with protecting the environment and natural beauty of the region.

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

Contact:

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If you have questions or need more information click on contact us on the homepage of AEPTransmission.com



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