

Lincoln – Logan

Power Improvements Project



Appalachian Power, and its affiliate West Virginia Transmission Co., plans to strengthen electric reliability in southern West Virginia by making significant upgrades to the transmission system serving customers in Lincoln and Logan counties. The Lincoln – Logan Power Improvements Project includes building approximately 24 miles of new transmission line, building two new substations, and retiring about 17 miles of aging transmission line. The work will reduce the likelihood of extended outages by providing the region with a secondary power source. Construction is expected to start in fall of 2018 and be complete by the end of 2020. Estimated budget for the project is \$90 million.



WHAT

Project components include:

- Build 15 miles of new single-circuit 138 kilovolt (kV) transmission line.
- Build 9 miles of double-circuit 138 kV transmission line.
- Build two new substations.
- Retire the existing Sheridan Substation.
- Retire 17 miles of 69 kV transmission line (15 miles in Cabell County and 2 miles in Lincoln County).



WHY

The existing Darrah – Sheridan transmission line and the Hopkins – Logan transmission line have experienced several power outages over the last three years. Building new transmission infrastructure in the region will strengthen the local grid and reduce the number of outages.

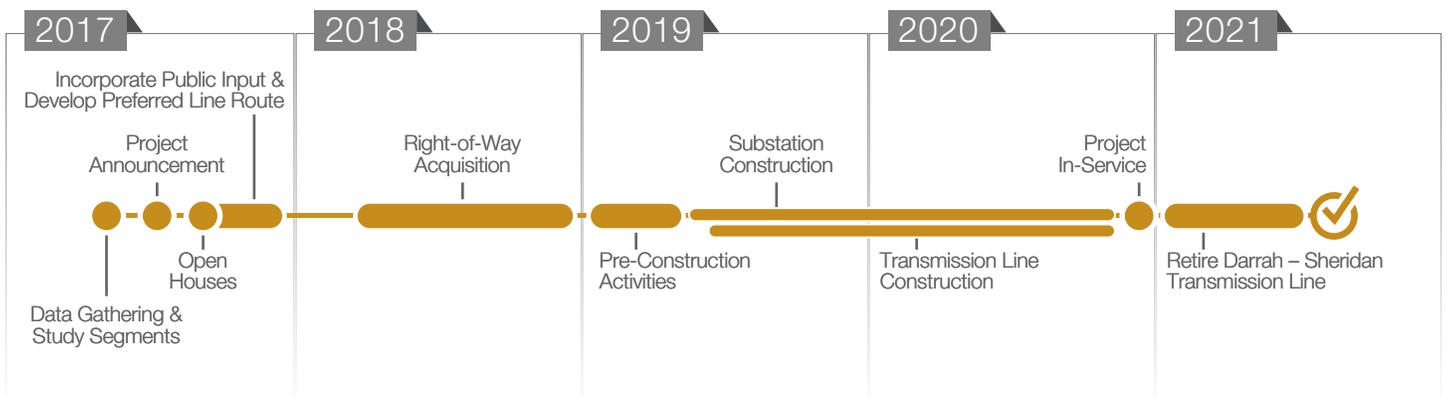


WHERE

Study areas for the Lincoln – Logan County Power Improvements Project cover approximately 24 miles south from Sheridan to Chapmanville. The proposed routes follow Route 10 passing through Branchland, Midkiff, Ranger, Leet and Big Creek. The transmission line to be removed runs from Sheridan to Huntington.



Project Schedule *



*Project schedule is subject to change. Please visit project website for updates.

Typical Structures

Proposed structures will vary depending on location. The project will use several structure types including steel single-circuit H-frame, double-circuit lattice, and double-circuit monopole. Average height of these structures is about 95 feet. The typical right-of-way will be 100 feet wide.

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



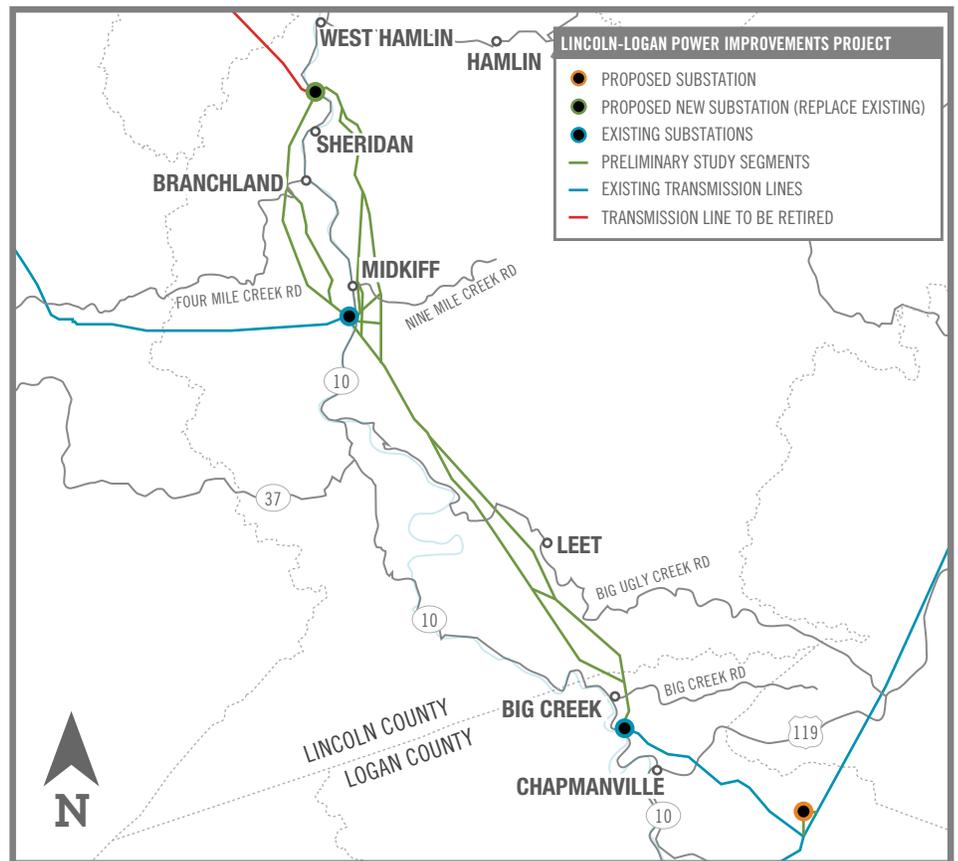
Substations*

Substations serve as electrical intersections converting the power to voltage levels for use in homes, businesses, and industrial facilities.



*Substation shown is a general depiction of the proposed facilities that will be built for this project. It does not represent final design.

Project Map



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

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If you have questions or need more information visit the project website at:

www.AppalachianPower.com/LincolnLogan



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