

TRAP HILL AREA TRANSMISSION LINE PROJECT



Appalachian Power representatives plan to increase electric reliability by making upgrades to the power grid serving customers in Raleigh and Wyoming counties. The Trap Hill Area Transmission Line Project involves building approximately 6 miles of electric transmission line and a new station. The project replaces outdated equipment inside three stations to strengthen the transmission grid. Company representatives expect construction to begin in summer of 2022 and conclude by March 2024.

WHAT

The project involves:

- Building approximately 6 miles of electric transmission line to 138-kilovolt standards
- Reviewing multiple route options to build the transmission line
- Building a new Crany Road Station
- Replacing outdated equipment inside three stations.

WHY

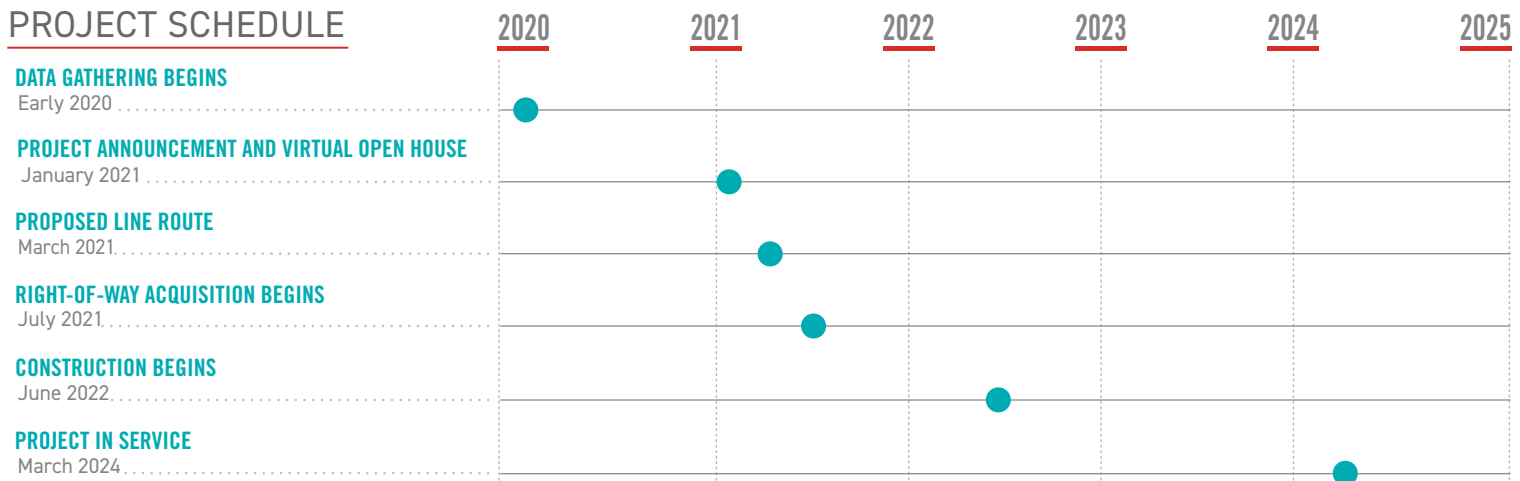
The Bradley-Dameron transmission line is over 40 years old and serves as the only power source in the area. This project proposes to install a second power line from Dameron to Trap Hill to increase reliability for customers and allow crews to conduct maintenance work without having to interrupt service to customers for extended periods of time. The upgrades also allow crews to replace aging equipment from the 1920's that is difficult to maintain inside the Dameron, Trap Hill and Bolt stations that have experienced several malfunctions in recent years. The planned upgrades help to address these issues and strengthen the electric transmission grid.

WHERE

The upgrades begin at a station located off McGinnis Cemetery Road near Beckley. The project continues south through Glen Daniel, crossing Harper Road and ending at a station located off Adkins Lane in Lester.



PROJECT SCHEDULE



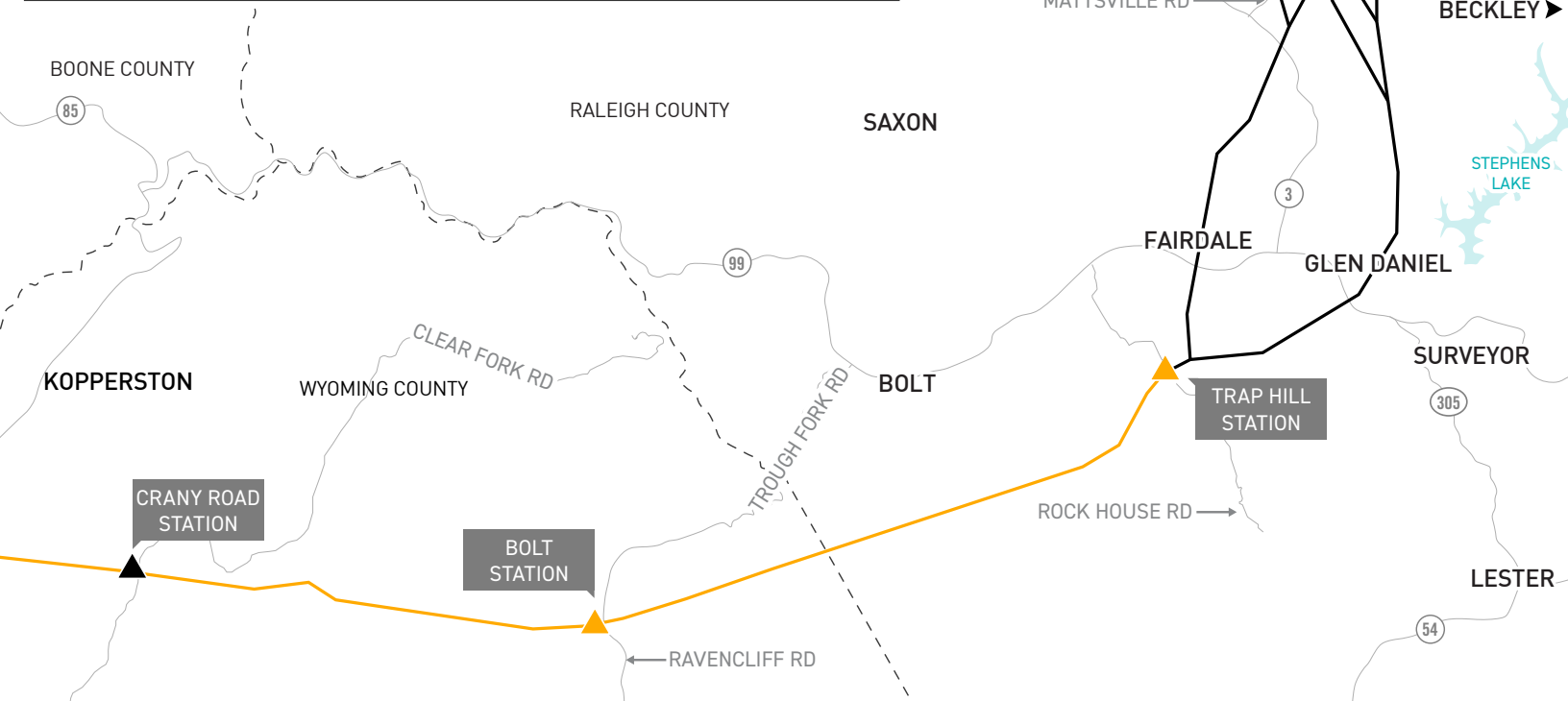
*Timeline subject to change.

TRAP HILL AREA TRANSMISSION LINE PROJECT

- EXISTING TRANSMISSION LINE
- ▲ EXISTING STATION
- STUDY SEGMENTS FOR NEW TRANSMISSION LINE*
- ▲ PROPOSED STATION



*Study segments are alternatives to review to determine a proposed line route. The company does not build all study segments; rather, it selects one route to build based on public input and feasibility.

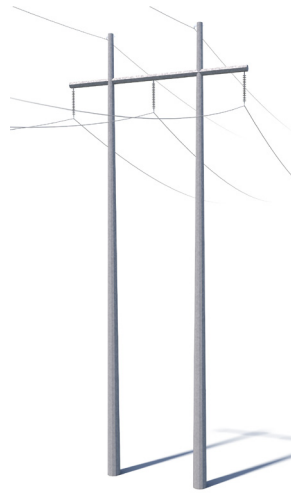


TYPICAL STRUCTURES

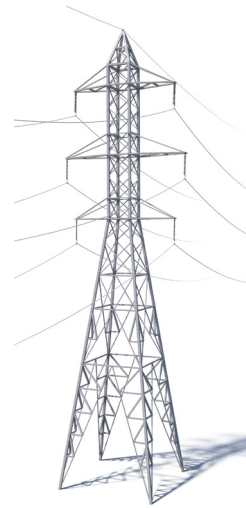
Crews plan to build the transmission line using a combination of steel H-frame poles, lattice towers and three-pole structures.

At Appalachian Power, we are committed to meeting the energy needs of customers while protecting the environment and natural beauty of the region.

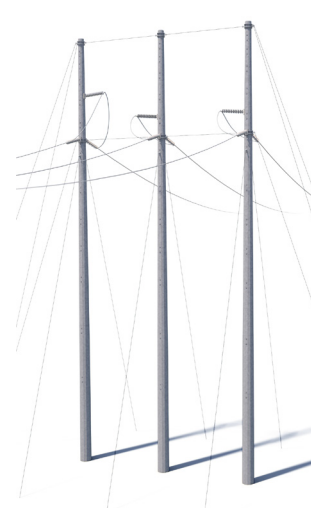
Structure Height: Approximately 70-100 feet*
 Right-of-Way Width: Approximately 100 feet*



H-FRAME



LATTICE TOWER



THREE POLE STRUCTURES

*Exact structure, height and right-of-way requirements may vary

APPALACHIAN POWER VALUES YOUR INPUT ABOUT THIS PROJECT. PLEASE SEND COMMENTS AND QUESTIONS TO:

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