

CONAWAY TRANSMISSION IMPROVEMENTS PROJECT

Appalachian Power representatives plan to upgrade the local power grid in Buchanan County. Construction is expected to begin fall 2027 and conclude by late 2028.

WHAT

The project involves:

- Building approximately 6 miles of new 69-kilovolt (kV) transmission line.
- Retiring approximately 6 miles of 34.5-kV transmission line.
- Building the new Conaway Substation.
- Upgrading the Looney Creek Substation.
- Retiring the Big Rock and Thomas substations.

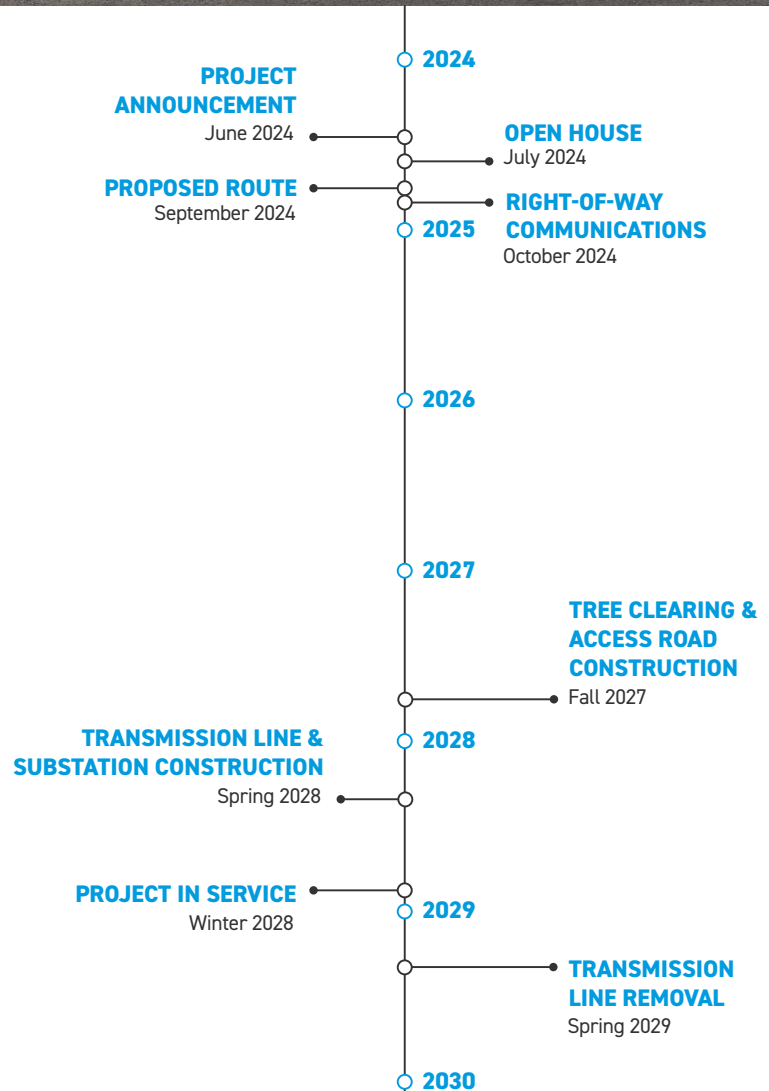
WHY

The project:

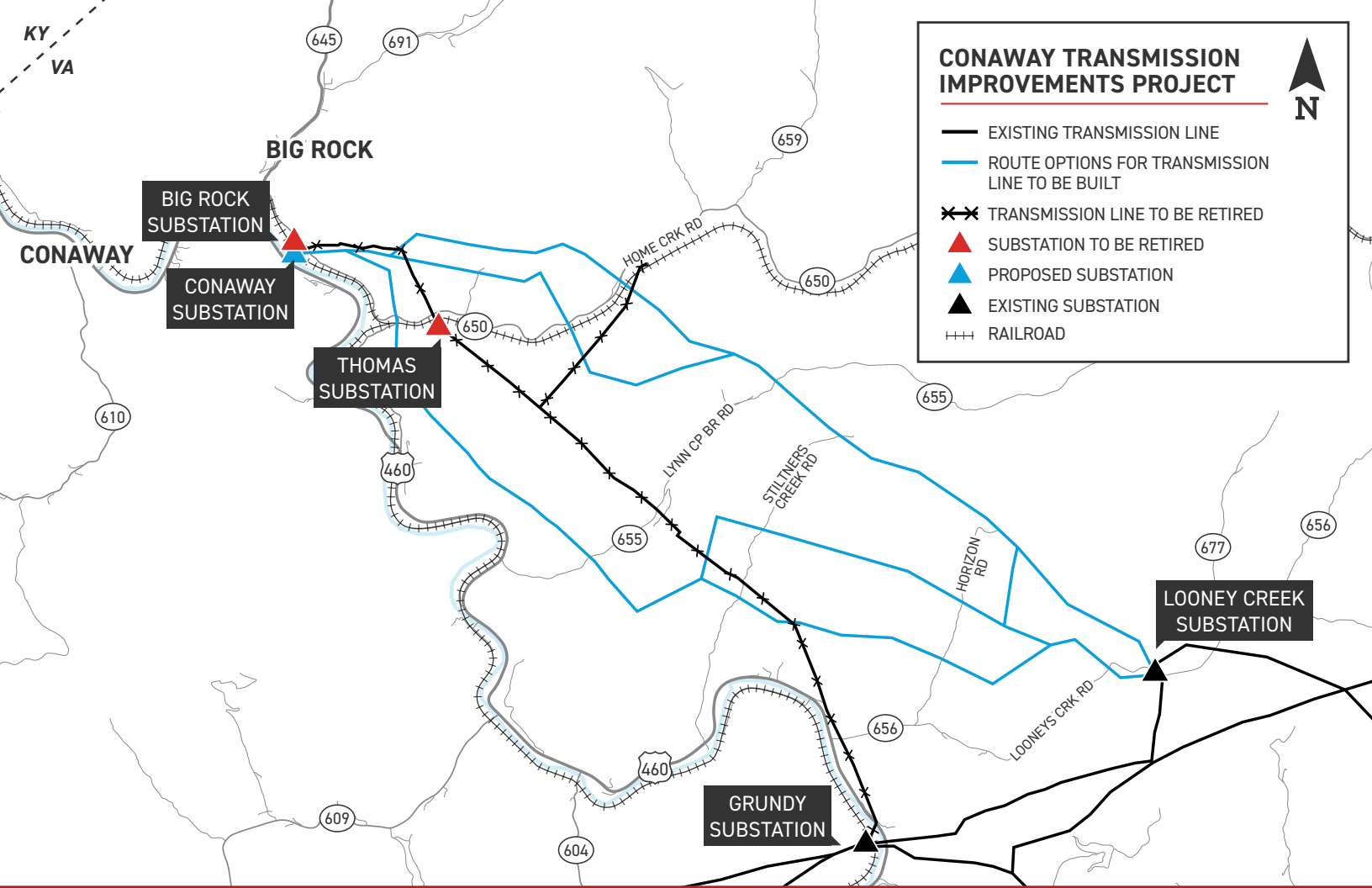
- Replaces deteriorating 1930s equipment, addressing age-related conditions that can lead to system outages for customers.
- Installs a higher-capacity transmission line and places modern equipment closer to customer demand.
- Introduces the new Conaway Substation to efficiently serve the community, while retiring the Big Rock and Thomas substations.
- Allows crews to relocate the transmission line to a more accessible location.

WHERE

The project begins at the proposed Conaway Substation on Home Creek Road and ends at the Looney Creek Substation on Looneys Creek Road.



Timeline subject to change.

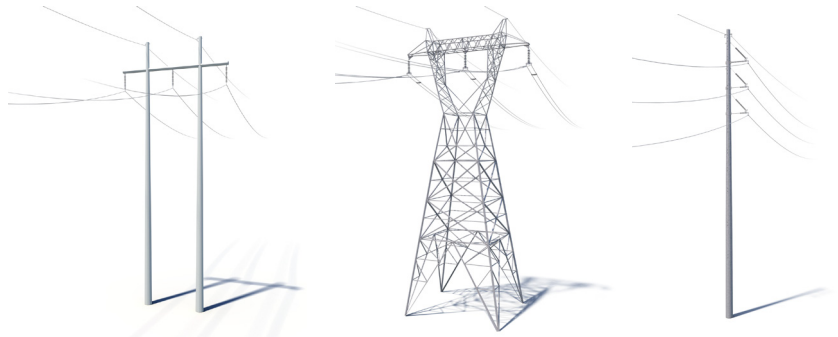


TYPICAL STRUCTURES

Crews plan to build the new line primarily using lattice towers and H-frame structures, as well as some single steel poles.

Structure height: Approximately 70-100 feet*
 Right-of-way width: 100 feet*

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



TYPICAL SUBSTATION

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

The proposed Conaway Substation design includes:

- Enclosed gravel yard with chain link fence
- Steel equipment that has a maximum height of 40 feet
- A total substation size of approximately 120 x 180 feet (about 0.5 acre)



WE VALUE YOUR INPUT. PLEASE SEND COMMENTS AND QUESTIONS TO:
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