

# APPLE GROVE-LAKIN TRANSMISSION LINE REBUILD PROJECT

Appalachian Power representatives announced plans in April 2023 to rebuild approximately 28 miles of the 138-kilovolt (kV) electric transmission system and upgrade equipment inside the Apple Grove, Beale and Point Pleasant substations in Mason County, West Virginia. The upgrades involve replacing wooden poles with steel structures and upgrading aging equipment inside three existing substations to strengthen the transmission grid. Company representatives expect construction to begin June 2025 and conclude in March 2027.

## WHAT

The project involves rebuilding approximately 28 miles of transmission lines to 138-kilovolt (kV) standards in or near the existing right-of-way.

Appalachian Power representatives plan to work with landowners to supplement existing easements or obtain new easements as needed along the route. Easements are property rights that provide company representatives the access needed to safely build, operate and maintain company power lines.

The project also includes upgrades to Appalachian Power's Apple Grove, Beale and Point Pleasant substations.

## WHY

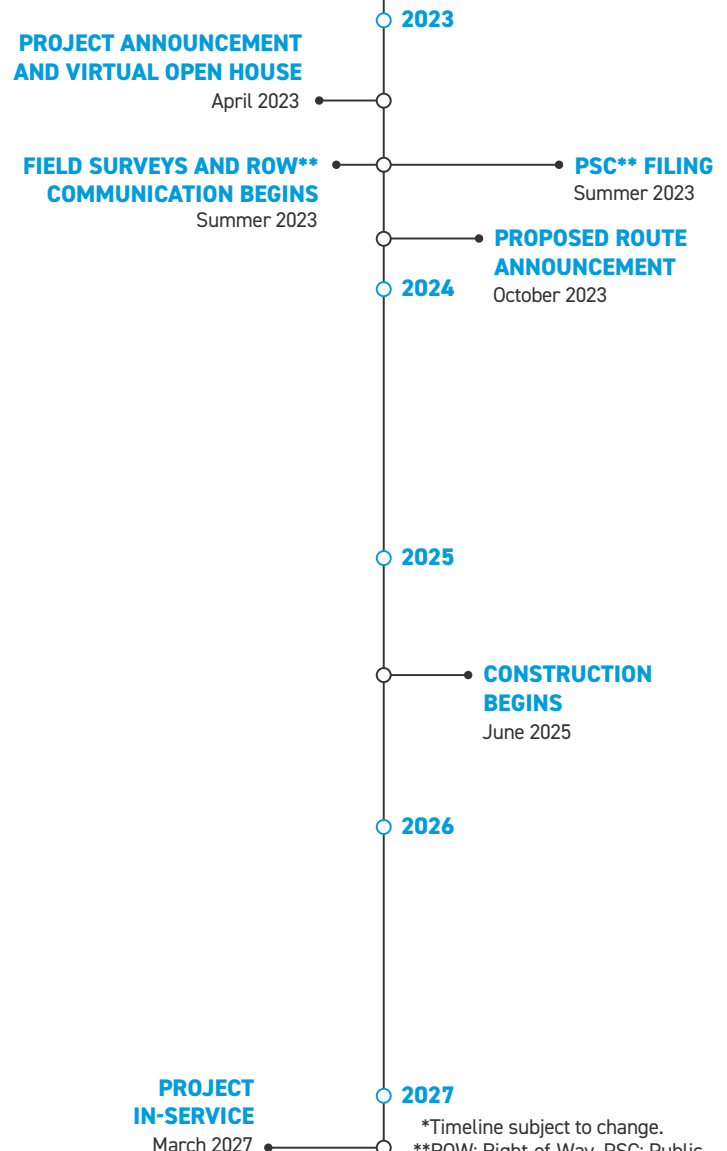
The project:

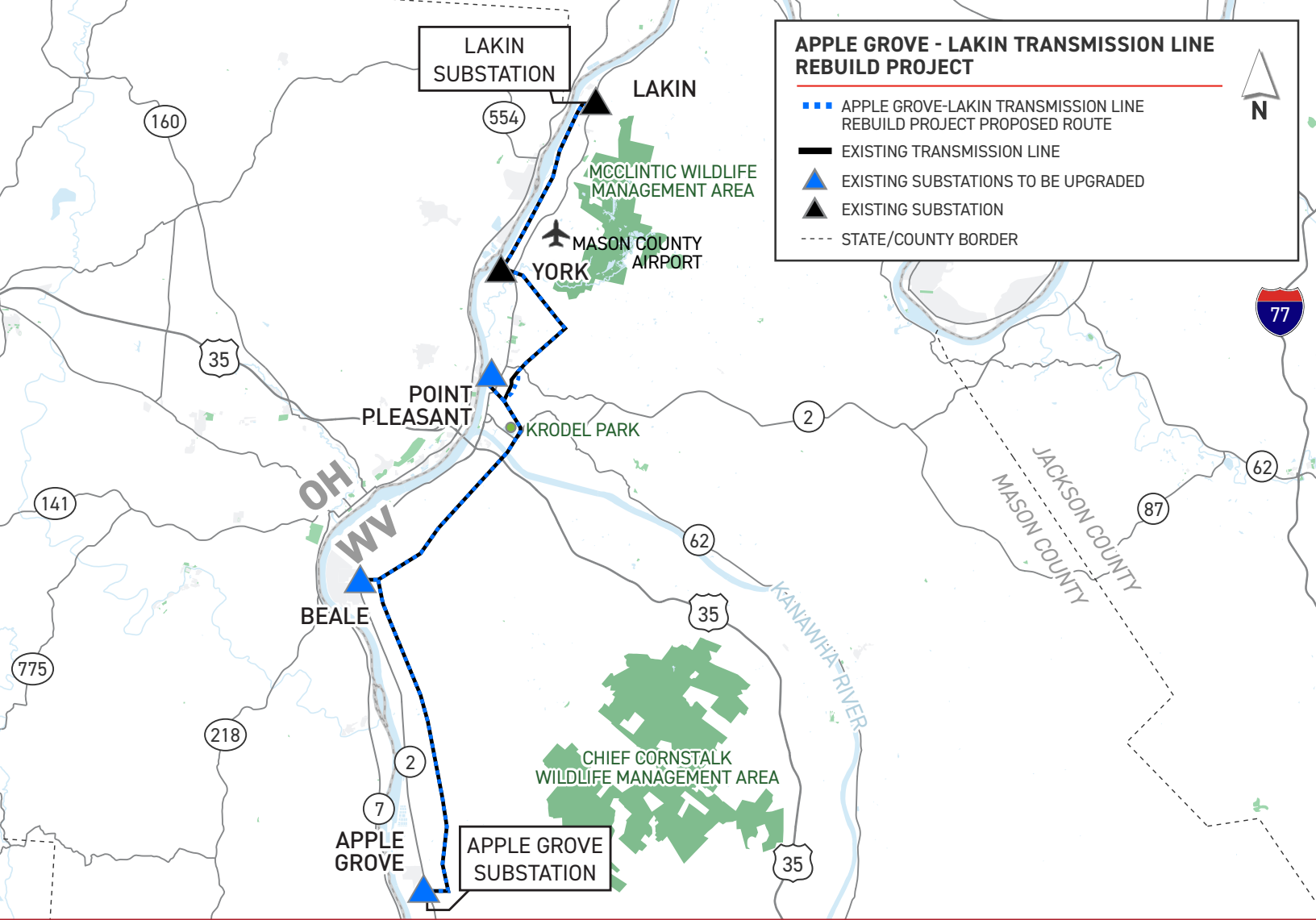
- Addresses stress on the area electric system. Components of the project are a result of PJM Interconnection's 2024 Summer Analysis. PJM Interconnection serves as the regional transmission organization that monitors the electric grid in 13 states, including West Virginia. The upgrades are expected to increase the power line's performance during periods of high electric demand.
- Upgrades 1960s-era equipment along the power line and within three substations.
- Replaces wooden poles with steel structures to strengthen the transmission system. The existing wooden poles are damaged and are approaching the end of their lifespan.

## WHERE

The project area includes:

- City of Point Pleasant
- Mason County
- Apple Grove community
- Beale community
- Lakin community
- York community



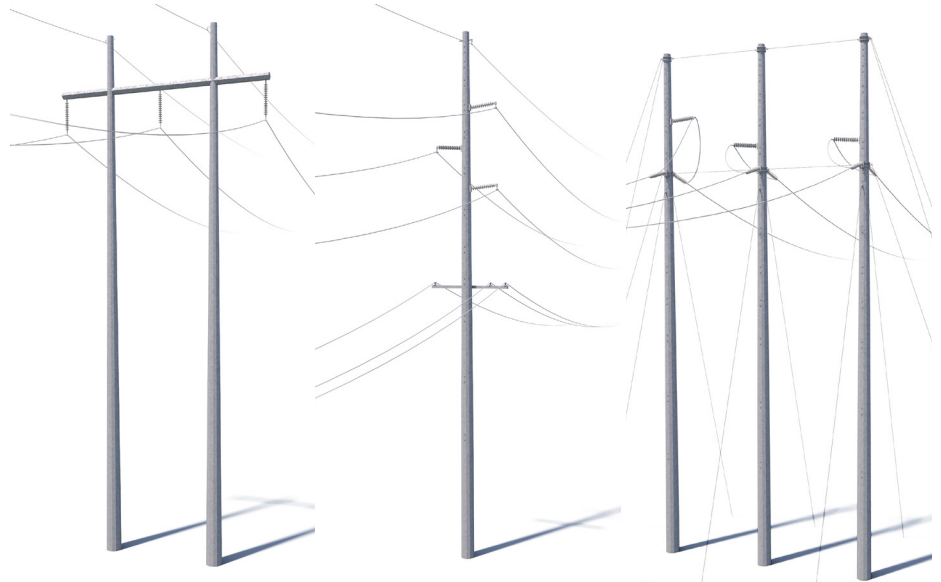


## TYPICAL STRUCTURES

The project involves rebuilding the transmission line using a combination of steel H-frame poles, single pole and three-pole structures.

Structure Height: [Approximately 60-80 feet\\*](#)

Right-of-Way Width: [Approximately 100 feet\\*](#)



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

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