

# GARRETT AREA TRANSMISSION LINE PROJECT

Kentucky Power officials plan to upgrade the electric transmission grid in Floyd and Knott counties. The Garrett Area Transmission Line Project involves building approximately 15 miles of 138-kilovolt (kV) electric transmission line, building an electrical substation and improving several substations to enhance electric reliability for customers.

## CONSTRUCTION FAQ

### PROJECT COMPONENTS & BENEFITS

The project involves:

- Building about 15 miles of 138-kV transmission line
- Retiring about 25 miles of transmission line
- Building the Eastern Substation
- Expanding the Garrett Substation
- Making upgrades at the Hays Branch, Saltlick (East Kentucky Power Cooperative substation) and Soft Shell substations

This project allows crews to retire approximately 25 miles of transmission line that includes deteriorating wooden poles from the 1920s and 1940s. The existing line has experienced multiple power outages in recent years. The proposed power grid upgrades help to strengthen the local electric system and increase electric reliability for area customers.

### SAFETY TIPS

- Keep your distance from construction workers and equipment
- Stay outside of temporary safety barriers
- Be aware of uneven or slippery surfaces
- Slow down when driving in the area and make sure your headlights are on
- Watch for posted signs, road closures and traffic detours
- Follow flaggers' instructions

### TRAFFIC CONTROL

Kentucky Power representatives work to ensure public safety and minimize inconveniences during construction. Crews plan to:

- Close road lanes as needed
- Use flaggers and signs to aid traffic flow on streets during the day
- Open road lanes at night if safety allows

### RIGHT-OF-WAY CLEARING

- Forestry crews prepare for transmission line construction by clearing trees and woody-stemmed vegetation from the right-of-way.
- Clearing allows for the safe construction, operation and maintenance of the line and ensures reliable electric service for area customers.
- The North American Electric Reliability Corporation (NERC) set standards that require utilities to establish minimum clearance distances between transmission lines and the nearest vegetation. Non-compliance can lead to significant community-wide power outages.
- When possible and practical, crews use selective clearing practices to retain low-growth shrubs and bushes.

### WHAT TO EXPECT DURING CONSTRUCTION

#### Construction Corridor Development:

- Remove fences, trees and other obstructions from the right-of-way area
- Install fences around the construction area for the public's safety
- Remove soil to make room for the larger bases of the new poles
- Build roads to access construction areas

#### Pole Installation:

At most pole locations, crews:

- Assemble the new pole and place it near the installation area
- Install and stabilize the foundation of the new pole
- Install and secure the new pole

#### Wire Installation:

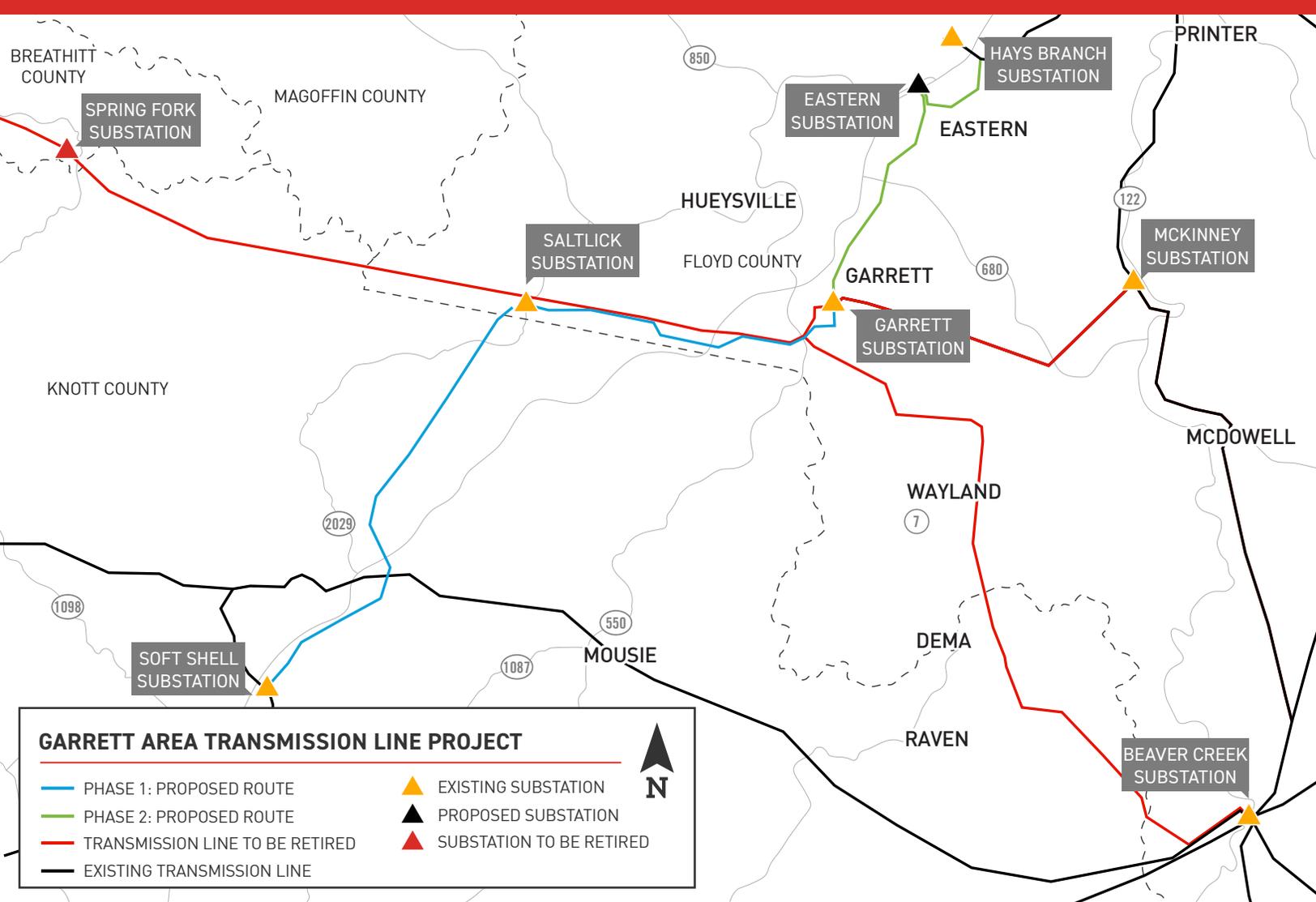
Crews install new wires on the new steel poles along the power line route.

#### Facilities Placed In Service:

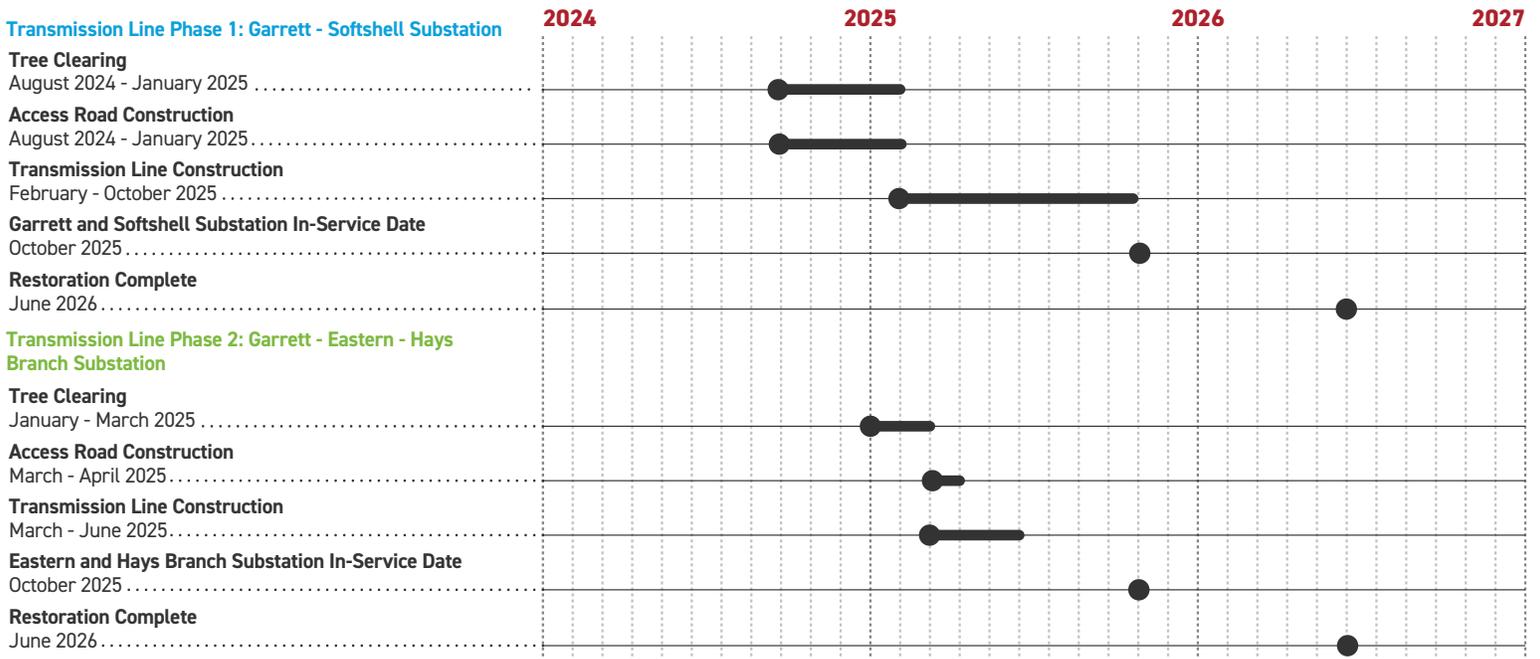
Crews energize the equipment after finishing pole and wire installations.

#### Post Construction & Site Restoration:

Kentucky Power representatives follow construction crews throughout the project to restore neighborhood properties to as close to their pre-construction condition as possible. Activities include reseeding properties and working with landowners to address any other property damage from the construction of this project.



## PROJECT SCHEDULE



\*Timeline subject to change.

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