

BREAKS - DORTON TRANSMISSION IMPROVEMENTS PROJECT

Kentucky Power representatives plan to upgrade the electric transmission grid in Pike County. Construction begins fall 2026 and concludes by spring 2028.

WHAT

The project involves:

- Rebuilding approximately 18 miles of transmission line
- Building the Ratliff Substation
- Upgrading the Dorton Substation
- Rebuilding and expanding the Henry Clay Substation
- Retiring the Draffin Substation

This project involves filing an application for approval with the Kentucky Public Service Commission (PSC).

*The existing transmission line is 46-kilovolts (kV). Crews plan to upgrade the transmission line to 69-kV standards.

WHY

The project allows crews to retire about 26 miles of 1960s wooden structures showing age-related wear. This line has experienced outages causing 192,000 minutes of service interruption to customers over the last 5 years.

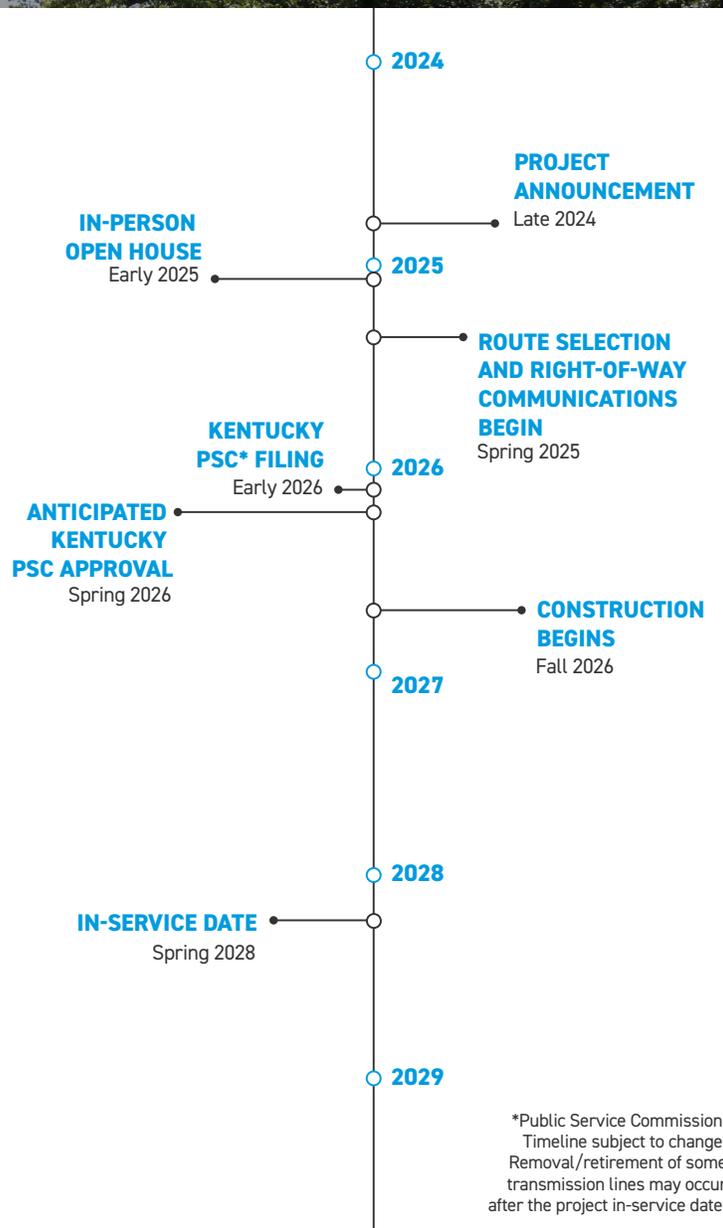
Project benefits include:

- Improving reliability and resiliency of the regional transmission grid.
- Strengthening the local electric power grid against severe weather events.
- Reducing the likelihood and duration of community-sustained outages.
- Providing additional capacity to support the area's power demand and local economic development.

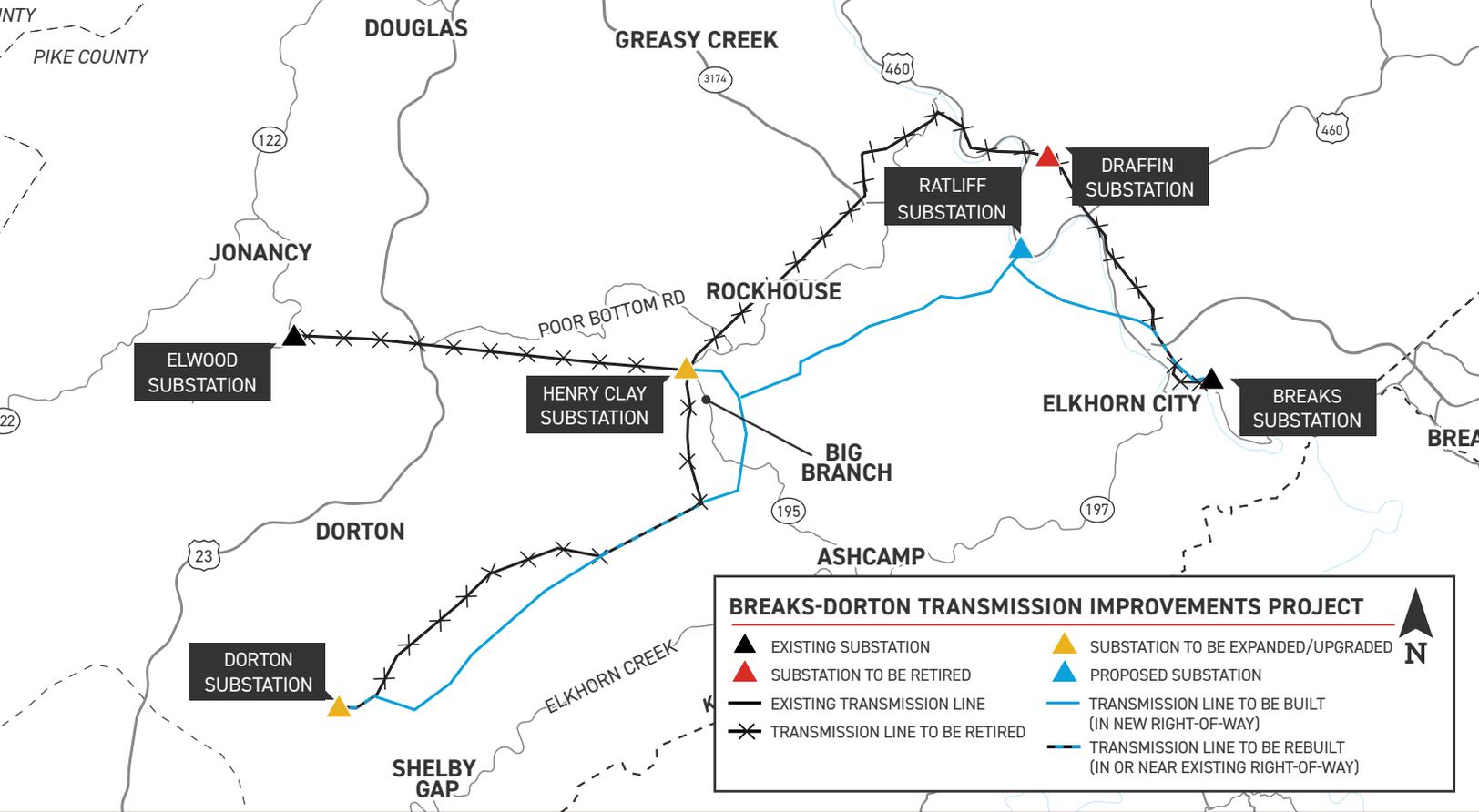
WHERE

The project area includes:

- Pike County
- Shelby Gap
- Big Branch
- Elkhorn City
- Jonancy



*Public Service Commission. Timeline subject to change. Removal/retirement of some transmission lines may occur after the project in-service date.



TYPICAL STRUCTURES

Crews plan to install steel H-frame, three-pole and lattice tower structures along the line route.

Typical Structure Height: **Approximately 70-90 feet***

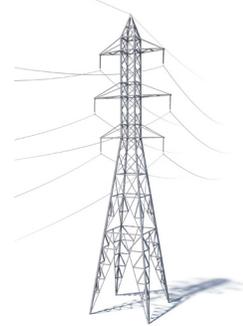
Typical Right-of-Way Width: **Approximately 100 feet***



H-Frame (Primary Structure)



Three-Pole Structure



Lattice Tower

TYPICAL SUBSTATION

Substations serve as electrical intersections directing the flow of electricity and either decrease or increase voltage levels for transport. Substations transform 69-kV and 138-kV electricity into lower distribution level voltages such as 34.5-kV, 12-kV, or 7.2-kV.

Typical Substation Height: **Approximately 50 feet****

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

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



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

NANCY MILLER · PROJECT OUTREACH

KENTUCKYPOWEROUTREACH@AEP.COM · 833-760-0604

KENTUCKYPOWER.COM/BREAKSDORTON

