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.

WHAT

The project involves:

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

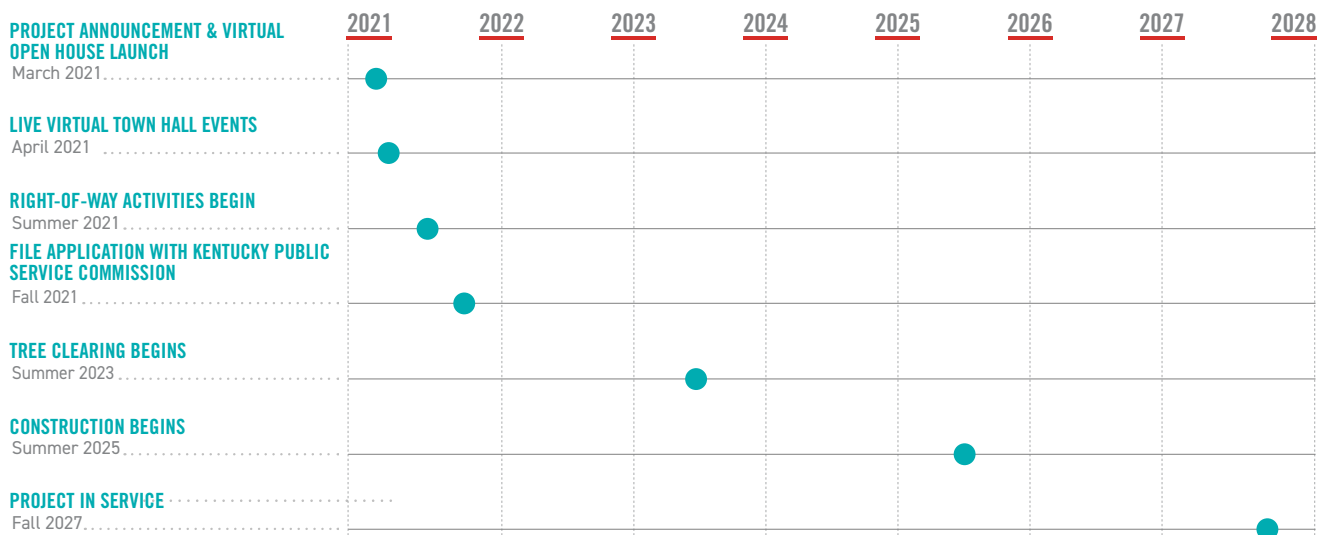This project involves filing an application with the Kentucky Public Service Commission.

WHY

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.
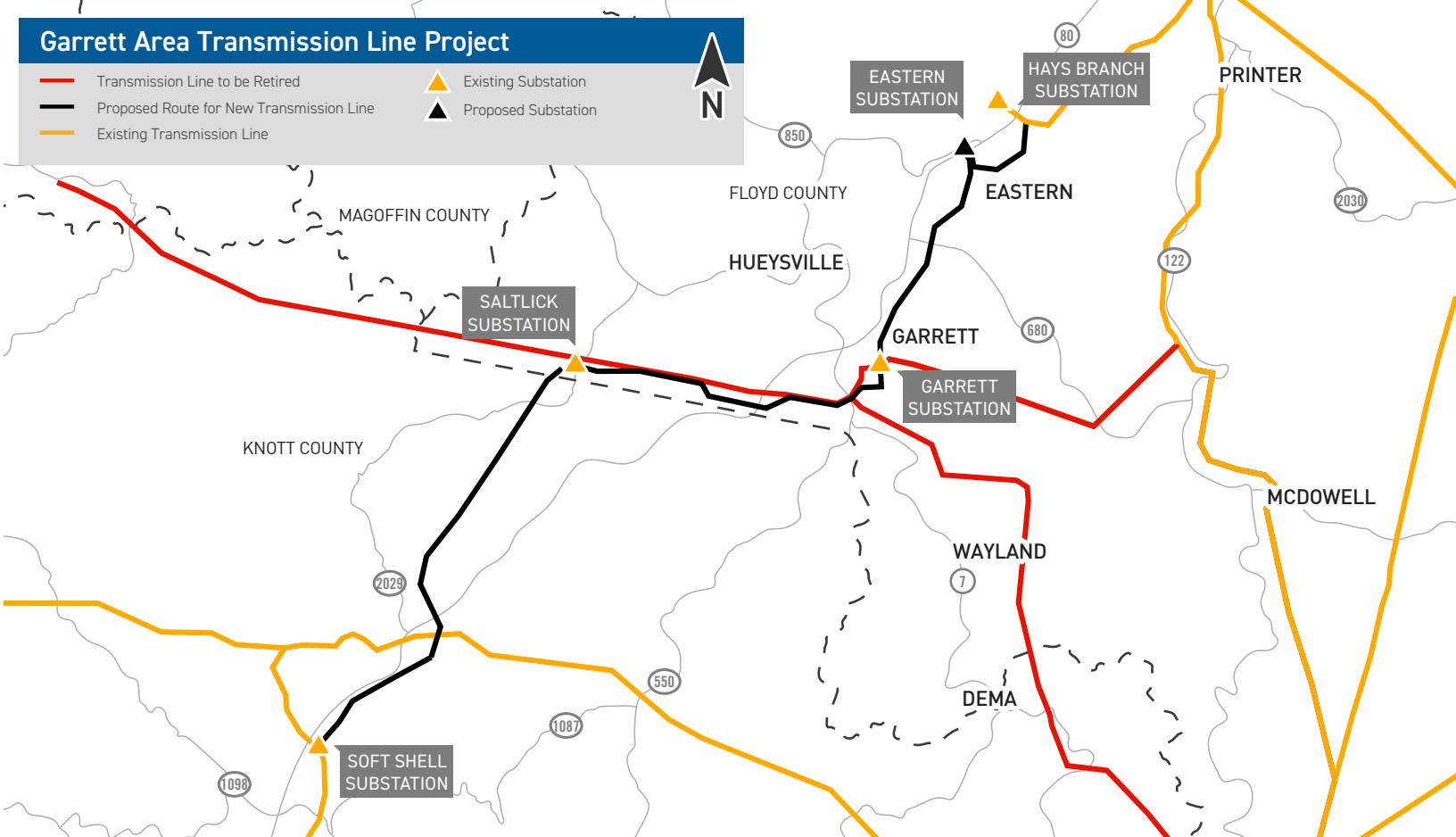
WHERE

The project begins at the Hays Branch Substation in Floyd County and continues about 1 mile southwest to the proposed Eastern Substation located along Route 80. From there the project continues about 4 miles south toward Garrett Substation west of Route 680. It continues about 4 miles west to Saltlick Substation near the Floyd/Knott county line. It then crosses the county line into Knott County and continues about 6 miles southwest to the Soft Shell Substation northeast of Route 1098.

PROJECT SCHEDULE

	2021	2022	2023	2024	2025	2026	2027	2028
PROJECT ANNOUNCEMENT & VIRTUAL OPEN HOUSE LAUNCH March 2021	●							
LIVE VIRTUAL TOWN HALL EVENTS April 2021	●							
RIGHT-OF-WAY ACTIVITIES BEGIN Summer 2021	●							
FILE APPLICATION WITH KENTUCKY PUBLIC SERVICE COMMISSION Fall 2021	●							
TREE CLEARING BEGINS Summer 2023			●					
CONSTRUCTION BEGINS Summer 2025					●			
PROJECT IN SERVICE Fall 2027								●

Garrett Area Transmission Line Project

Legend:
- ━━━ Transmission Line to be Retired
- ━━━ Proposed Route for New Transmission Line
- ━━━ Existing Transmission Line
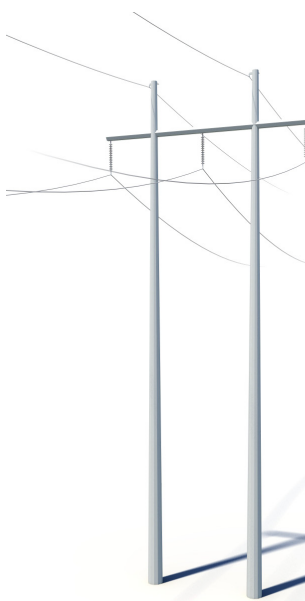- ▲ Existing Substation
- ▲ Proposed Substation

N

EASTERN SUBSTATION

HAYS BRANCH SUBSTATION

PRINTER

80

850

FLOYD COUNTY

EASTERN

MAGOFFIN COUNTY

HUEYSVILLE

122

2030

SALTLICK SUBSTATION

GARRETT

680

GARRETT SUBSTATION

KNOTT COUNTY

MCDOWELL

2029

WAYLAND

7

550

DEMA

1087

SOFT SHELL SUBSTATION

1098

TYPICAL STRUCTURES

Crews plan to build the transmission line using a combination of structures such as steel H-frame poles, lattice towers and three-pole structures.
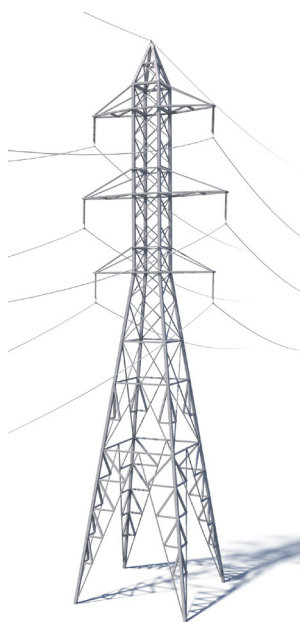
Structure Height: Approximately 85 feet*
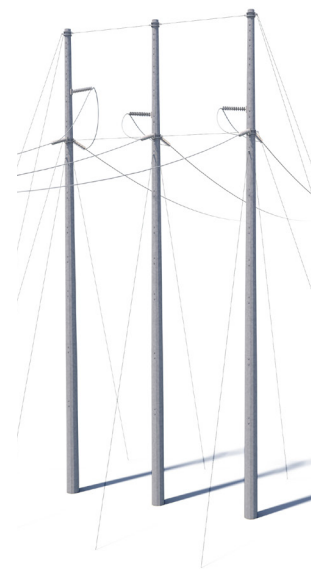Right-of-Way Width: Approximately 100 feet*

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

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

H-FRAME   **LATTICE TOWER**   **THREE-POLE STRUCTURES**

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

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