Belfry Area Transmission Line Project

Liberty representatives plan to upgrade the electric transmission grid in Pike County. The Belfry Area Transmission Line Project involves building 6-8 miles of 69-kilovolt (kV) electric transmission line and an electrical substation to enhance electric reliability for area customers.

What

The project involves:
• Building 6-8 miles of 69-kV transmission line
• Retiring approximately 9 miles of 46-kV transmission line
• Building the Orinoco Substation
• Retiring the Belfry Substation

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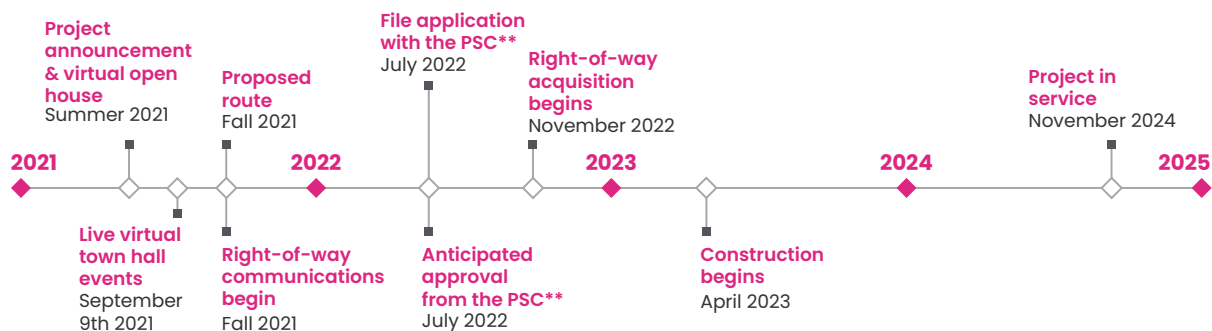
Why

Project benefits include:
• Retiring approximately 9 miles of transmission line that includes wooden poles from the 1940's. The line has experienced multiple power outages in recent years.
• Providing a second source of power to customers served from the New Camp Substation.
• Upgrading the power grid from a 46-kV system to 69-kV, strengthening the local electric system and increasing reliability for area customers.

Where

The project begins at the New Camp Substation in South Williamson and continues southeast to the proposed Orinoco Substation located along Route 119. From there the project continues south through Belfry to the Stone Substation near Route 199.
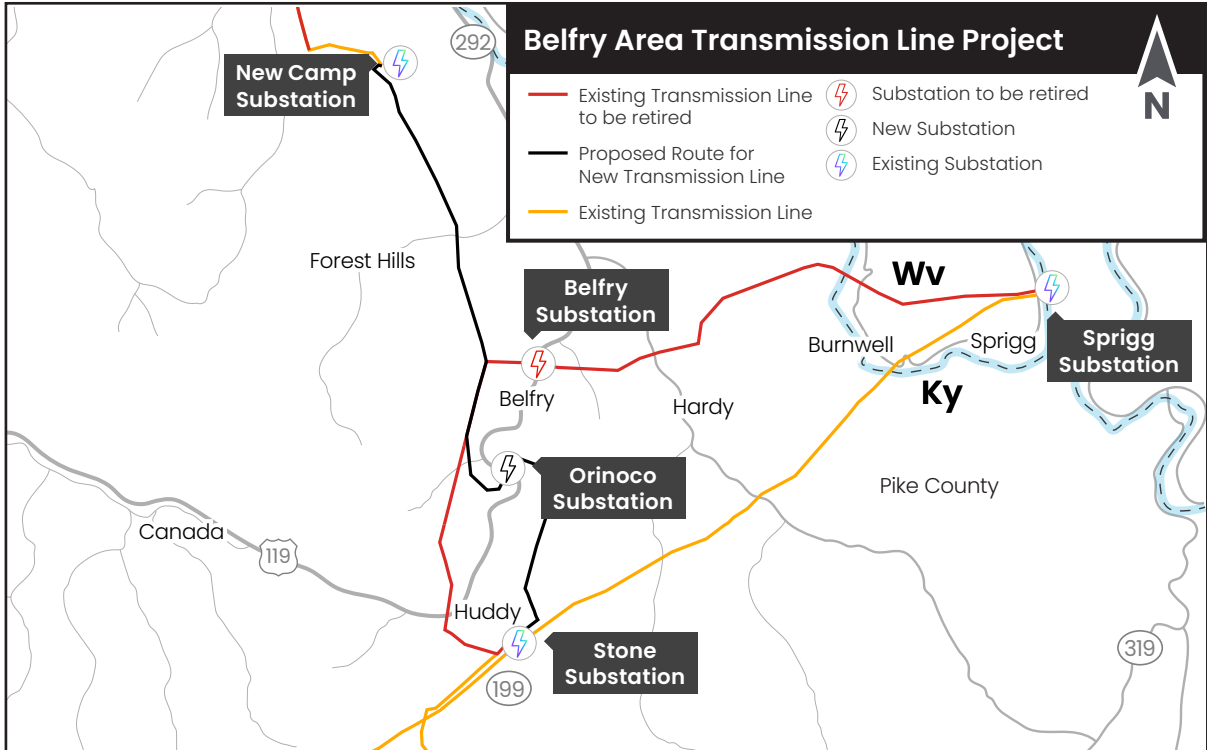
From there the project continues south through Belfry to the Stone Substation near Route 199.

Project announcement & virtual open house
Summer 2021

Proposed route
Fall 2021

File application with the PSC**
July 2022

Right-of-way acquisition begins
November 2022

Project in service
November 2024

2021

2022

2023

2024

2025

Live virtual town hall events
September 9th 2021

Right-of-way communications begin
Fall 2021

Anticipated approval from the PSC**
July 2022

Construction begins
April 2023

**Kentucky Public Service Commission
Timeline subject to change.

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Belfry Area Transmission Line Project

Legend:
- Existing Transmission Line to be retired
- Proposed Route for New Transmission Line
- Existing Transmission Line
- Substation to be retired
- New Substation
- Existing Substation

New Camp Substation
Forest Hills
Belfry Substation
Belfry
Canada
119
Orinoco Substation
Hardy
Burnwell
Sprigg
Wv
Ky
Sprigg Substation
Pike County
Huddy
Stone Substation
199
319
292

N

Typical Structures

Crews plan to install primarily H-frames. At certain points, crews could use Lattice towers and three-pole structures with guy wire.

Typical structure height:
Approximately 80-100 feet*
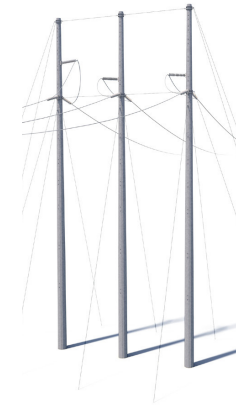Typical Right-of-way width:
Approximately 100 feet*

*Exact structure, height, and right-of-way requirements may vary.
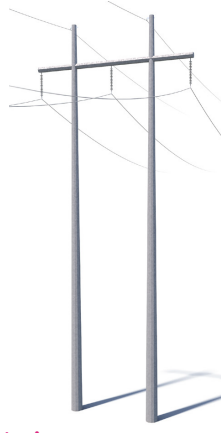
*Primary structure to be used
H-Frame
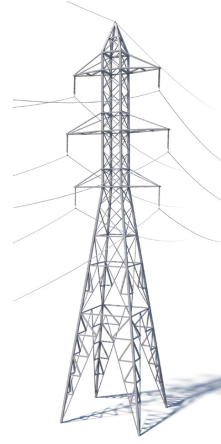
Lattice Tower

Three-Pole Structures

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We value your input. Please send comments and questions to:
Contact Name • Title
first.last@libertyutilities.com • XXX-XXX-XXXX
kentucky.libertyenergyandwater.com/projectname

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