

# KENNA AREA

## TRANSMISSION LINE PROJECT



An AEP Company  
BOUNDLESS ENERGY™

Appalachian Power representatives plan upgrades to the electric transmission grid in West Virginia. The Kenna Area Transmission Line Project involves building approximately 20 miles of electric transmission line in Jackson and Kanawha counties. Plans also include building a new substation and upgrading two substations in the area. Construction is currently ongoing and expected to conclude by fall 2024.



### WHAT

The project includes:

- Building approximately 20 miles of 138-kilovolt (kV) electric transmission line
- Reviewing multiple route options to build the transmission line
- Upgrading the Sisson and Ripley substations
- Building a new 138-kV Kenna Substation

### WHY

The upgrades:

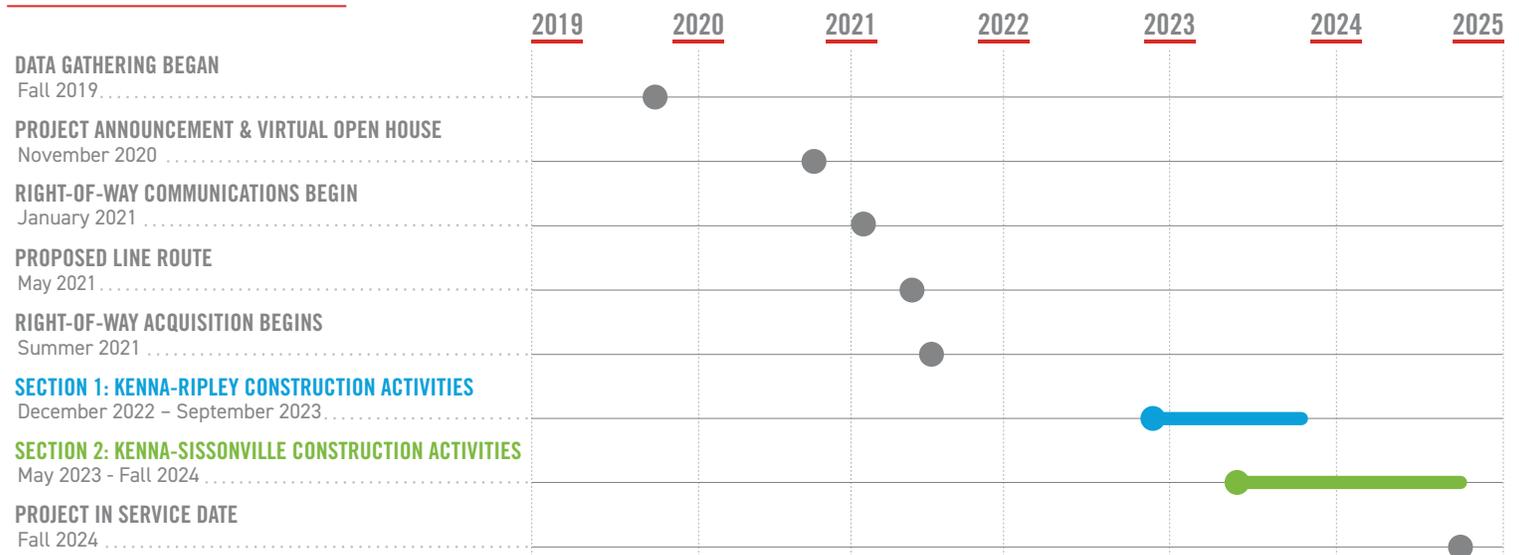
- Increase electric reliability for customers
- Strengthen the local power grid by bringing an additional power source to the area
- Reduce the likelihood of power outages

### WHERE

Potential route options for the new transmission line start at the Ripley Substation located off Klondyke Road in Ripley. The route options continue southeast, traveling a similar direction as Interstate 77 for approximately 20 miles. The proposed upgrades end at the Sisson Substation located near Interstate 77 in Sissonville.

The proposed Kenna Substation is located near the intersection of WV-34 and Interstate 77 in Kenna.

### PROJECT SCHEDULE



\*Timeline subject to change.

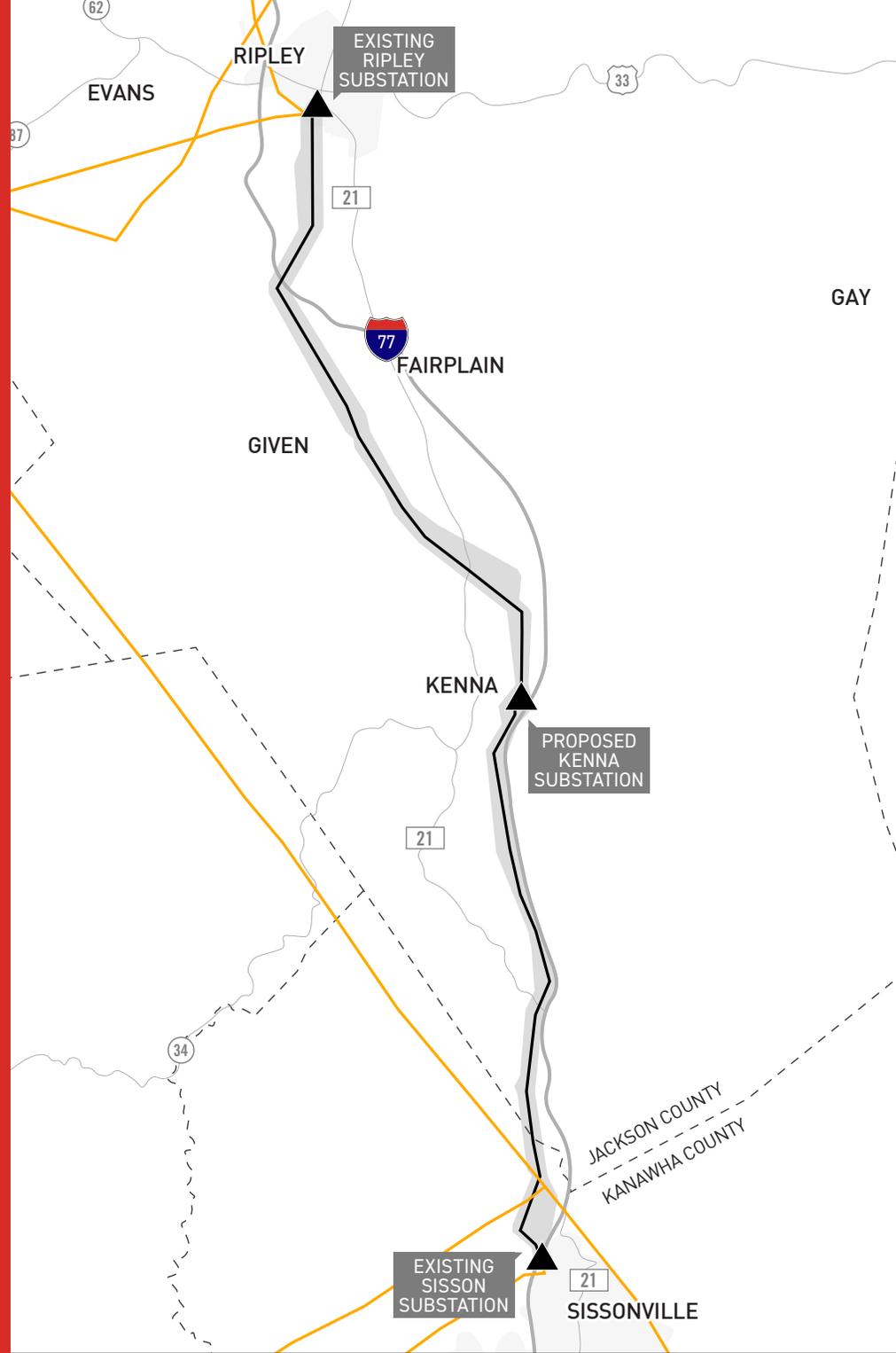
## TYPICAL STRUCTURES

Crews plan to build the transmission line primarily using steel H-frame poles and towers. Proposed structures vary depending on the location.

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

Structure Height: **Approximately 80-120 feet**  
 Right-of-Way Width: **Approximately 100 feet**

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



### KENNA AREA TRANSMISSION LINE PROJECT

- EXISTING TRANSMISSION LINES
- STUDY SEGMENTS
- ▲ SUBSTATION



\*The project team determined the refined study area after reviewing future land use, environmental impacts and input gathered from virtual open houses and landowner meetings. The project team plans to conduct field studies within the refined study area to gather more data and determine a proposed line route.

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

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