

# MERCERS BOTTOM TRANSMISSION PROJECT

Appalachian Power representatives plan upgrades to the electric system in Apple Grove, West Virginia. The project includes two components to bring a new power source to the area and support the nearby Nucor steel mill.

The Mercers Bottom Transmission Project: Component 1 involves building two parallel approximately 1 mile 345-kilovolt (kV) electric transmission lines and a new substation. Construction is expected to begin in late 2024 and conclude by late 2025.

The project team plans to announce Component 2 by spring 2024.

## WHAT

Component 1 involves:

- Building two parallel approximately 1 mile 345-kV transmission lines
- Building the new Mercers Bottom Substation on Nucor-owned property
- Acquiring new 225-foot easements\*

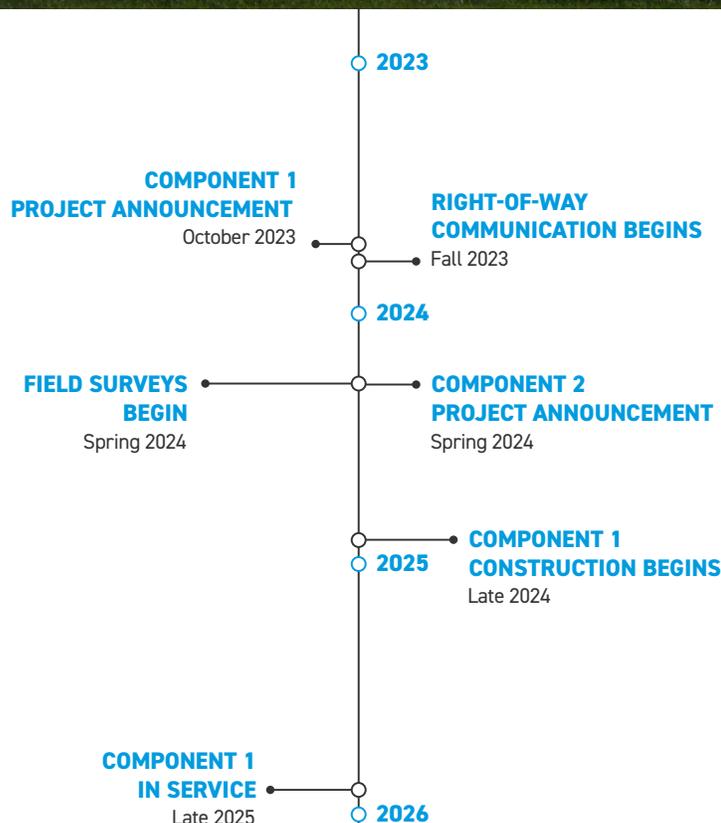
\*Easements (also called rights-of-way) enable utilities to use another person's property to construct and maintain electric power transmission facilities, mainly lines and towers.

## WHY

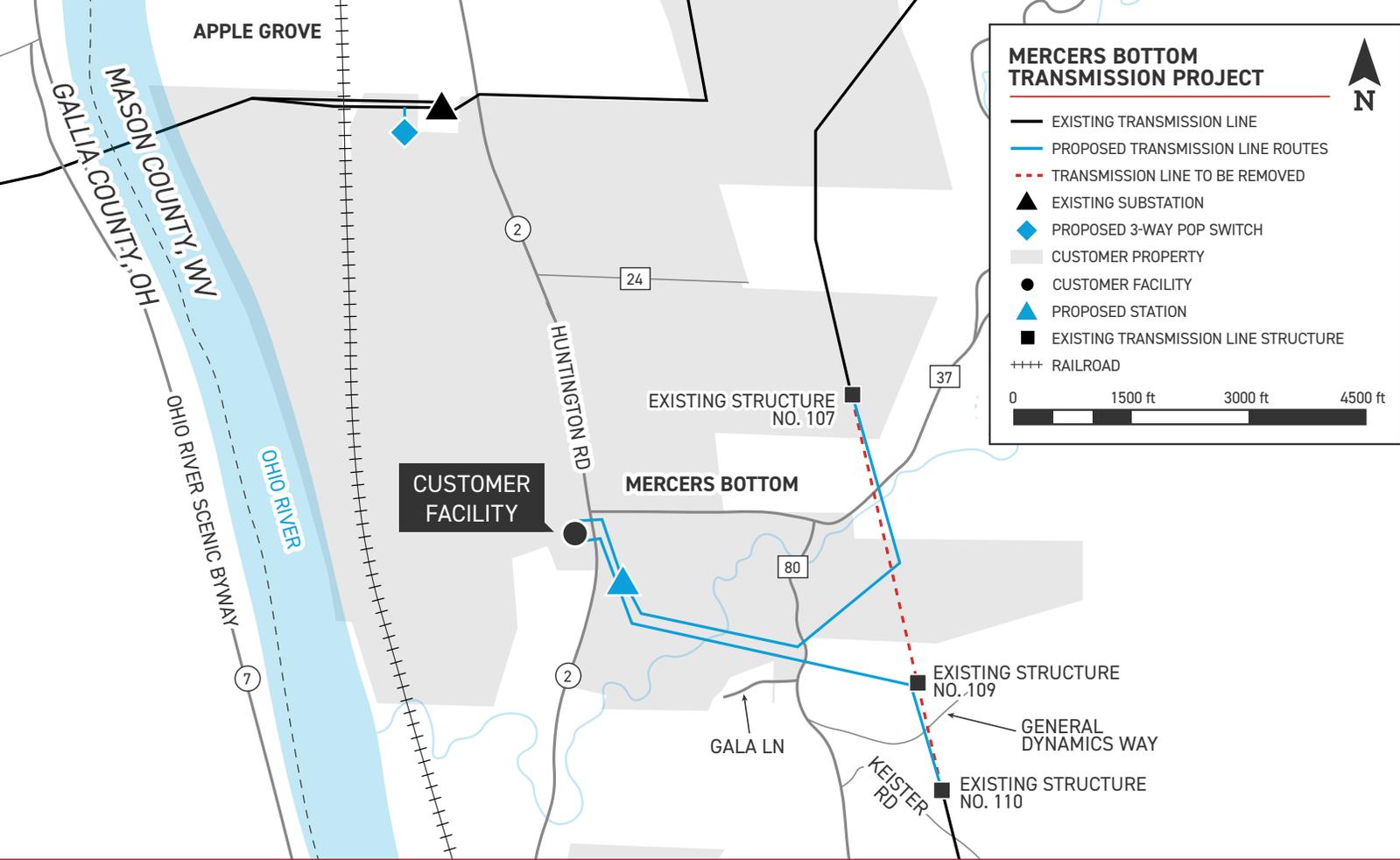
Nucor Steel West Virginia, an Appalachian Power customer, has requested electric service to support their steel mill's power demand. Component 1 provides initial electrical service to the steel mill. Component 2 addresses additional power needs.

## WHERE

This project is located south of the Apple Grove Industrial Park near the planned Nucor steel mill off Route 2.



Timeline subject to change.



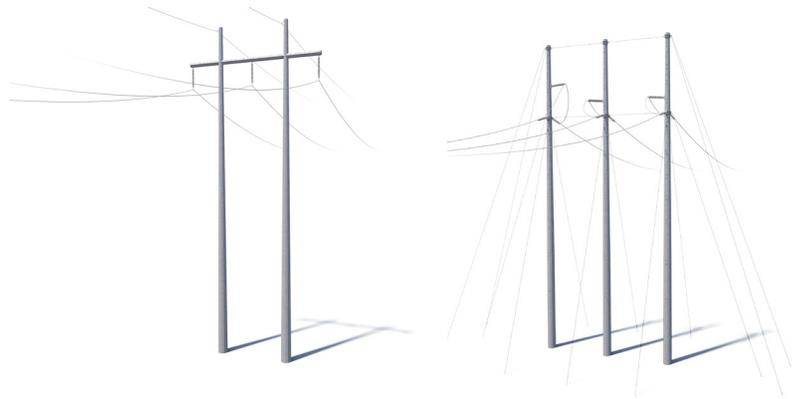
## TYPICAL STRUCTURES

Crews plan to build Component 1 of the project using steel H-frame and 3-pole structures.

Structure height: **Approximately 130-205 feet\***

Right-of-way width: **Approximately 450 feet for both lines\***

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



## TYPICAL SUBSTATION

Substations serve as electrical intersections directing the flow of electricity and either decrease or increase voltage levels for transport.



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

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