

# Jeffersonville Area Improvements Overview

This project is part of the upgrades to the electric system in this area needed to ensure continued reliable operations for new and existing customers while providing capacity to large load growth taking place in this developing area near Jeffersonville, Ohio. The improvement project involves building approximately 13 miles of new transmission lines, two new transmission substations, and relocating an existing distribution substation.

## Why

Currently, the area around Jeffersonville is served by a radial 69kV circuit which serves approximately 30MVA of load. A new industrial customer has committed to the installation of a \$4 billion dollar battery manufacturing facility requiring AES Ohio to serve an estimated additional 140MVA of new load by August of 2024. The existing radial line and the underlying source in the area do not have the ability to serve this new load. Additionally, best utility practice for a load of this magnitude is to serve via a looped feed, have multiple voltages available in near proximity to ensure redundancy capacity, and improve reliability in the growing load center.

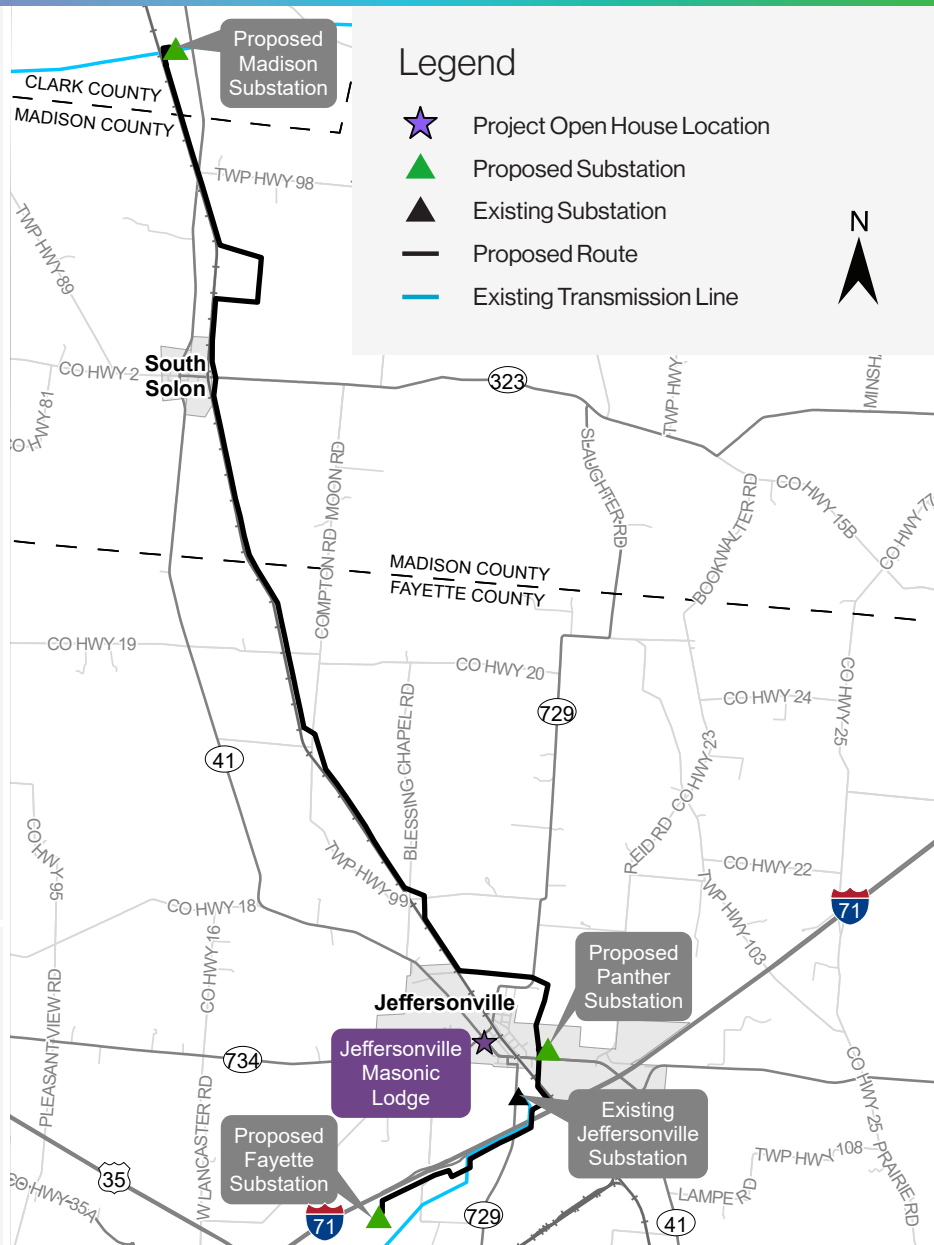
The new double circuit Madison-Fayette 345kV line will provide a looped feed with a strong new source into the Jeffersonville area. Additionally, bringing in 345kV and transforming it near the load center will provide flexibility for the area to continue to grow around the new battery manufacturing facility as anticipated in the future.

## What

The project includes:

- Building 13 miles of 345kV transmission line
- Underbuilding 2.5 miles of 69kV transmission line
- New Madison Transmission Substation\*
- New Fayette Transmission Substation\*
- New Panther Distribution Substation

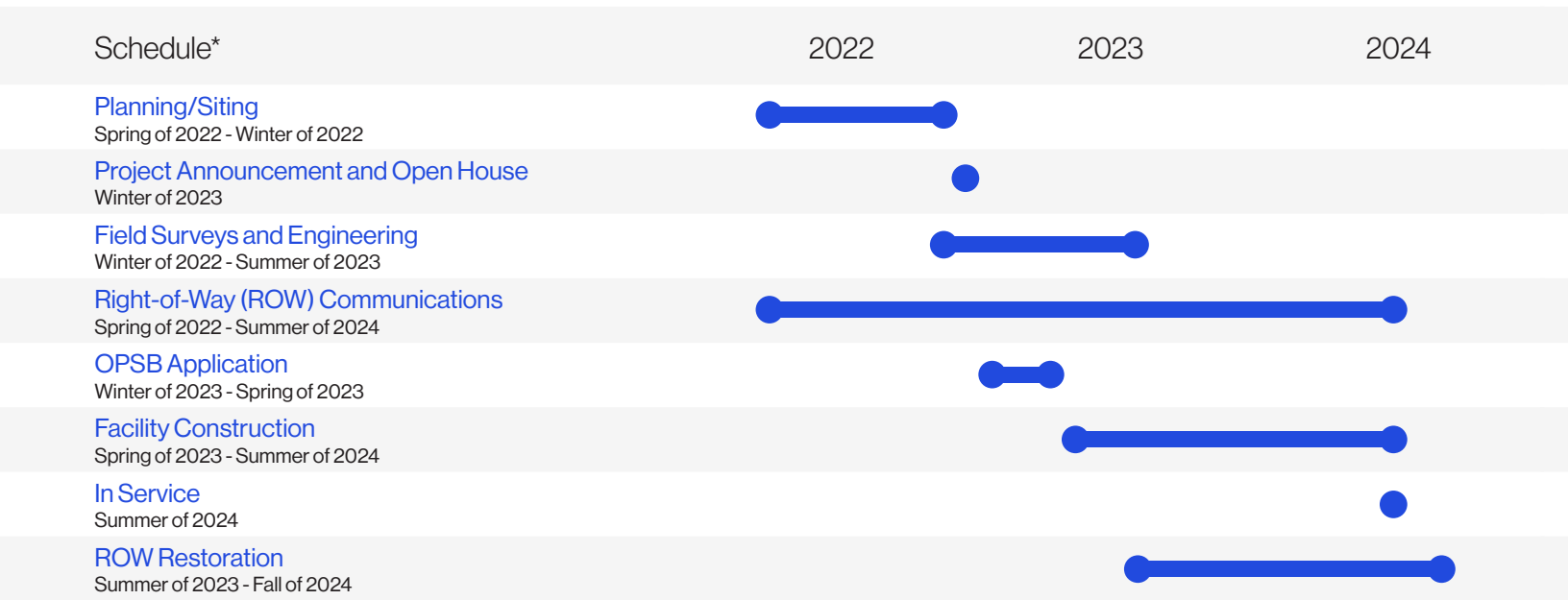
\*Madison and Fayette Substations will be filed under separate OPSB case numbers 22-1079-EL-BLN and 23-0067-EL-BLN, respectively.



## Where

- Clark, Madison, and Fayette Counties
- Madison Township
- Stokes Township
- Villages of Jeffersonville and South Solon
- Jefferson Township

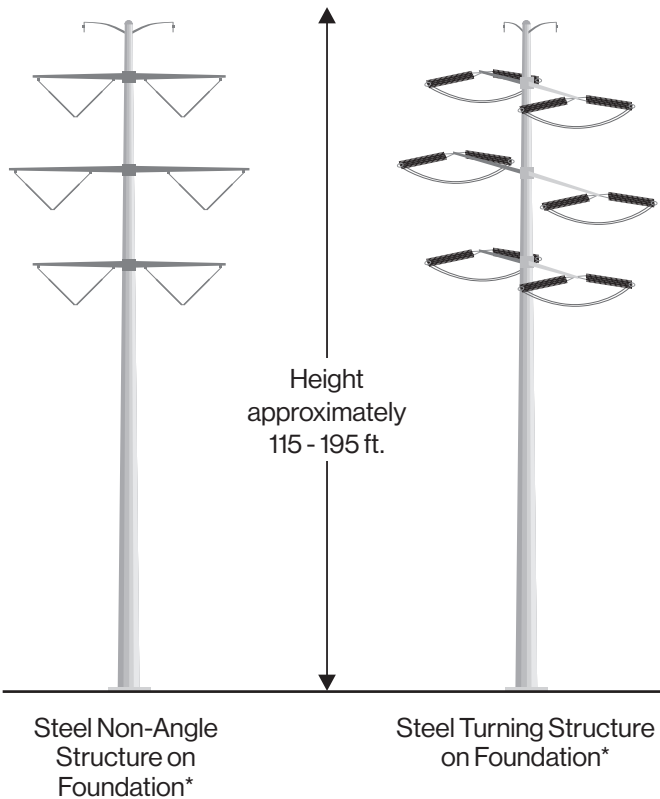
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\*Schedule is preliminary and subject to change.

## Typical Structures

The project involves the use of self-supporting steel poles on foundation with heights ranging from approximately 115 - 195 ft. with an approximate ROW easement width of 150 - 250 ft.



\*Final structure height, structure type, and ROW easement width may vary.

## Where Can I Get More Information?

Visit the Ohio Power Siting Board website at <https://opsb.ohio.gov/>  
Case #23-0066-EL-BLN

AES Ohio values your input.

Please visit the project website or call the number below to leave feedback.  
[www.aes-ohio.com/jeffersonville](http://www.aes-ohio.com/jeffersonville)  
(937) 701-0674



## Company Overview

- Serving 527,000 customers across 24 counties
- Approximately 18,000 miles of transmission, distribution and underground lines
- 6,000 square mile service territory
- Employing more than 700 people

AES Ohio invests in our equipment and technology to create a stronger, safer and more efficient electrical system. We know our customers depend on us to provide the electricity they need to power their lives.