

Eastern Missouri Grid Transformation Project in Ralls County

February 2026

Ameren Transmission Company of Illinois (ATXI) and Ameren Missouri are working together to build a more reliable and resilient energy grid for the future. The Eastern Missouri Grid Transformation Project includes more than 130 miles of new or upgraded transmission lines through six (6) Missouri counties, including Marion, Ralls, Pike, Lincoln, St. Charles and St. Louis counties, as well as the City of St. Louis, with a targeted in service date of 2032.

This Project consists of five (5) segments, including the **Maywood-Belleau** segment within Ralls County. This segment upgrades the transmission line from the existing Maywood substation to the existing Belleau substation, and specifically in Ralls County, the Project involves:



REPLACEMENT

Replacing **16 miles** of existing wood and steel H-frame structures with new steel monopoles to carry additional energy. In most instances, the number of structures is lessened with a smaller footprint due to design and longer spans. New structures will typically be constructed within existing corridors.



NEW CORRIDOR

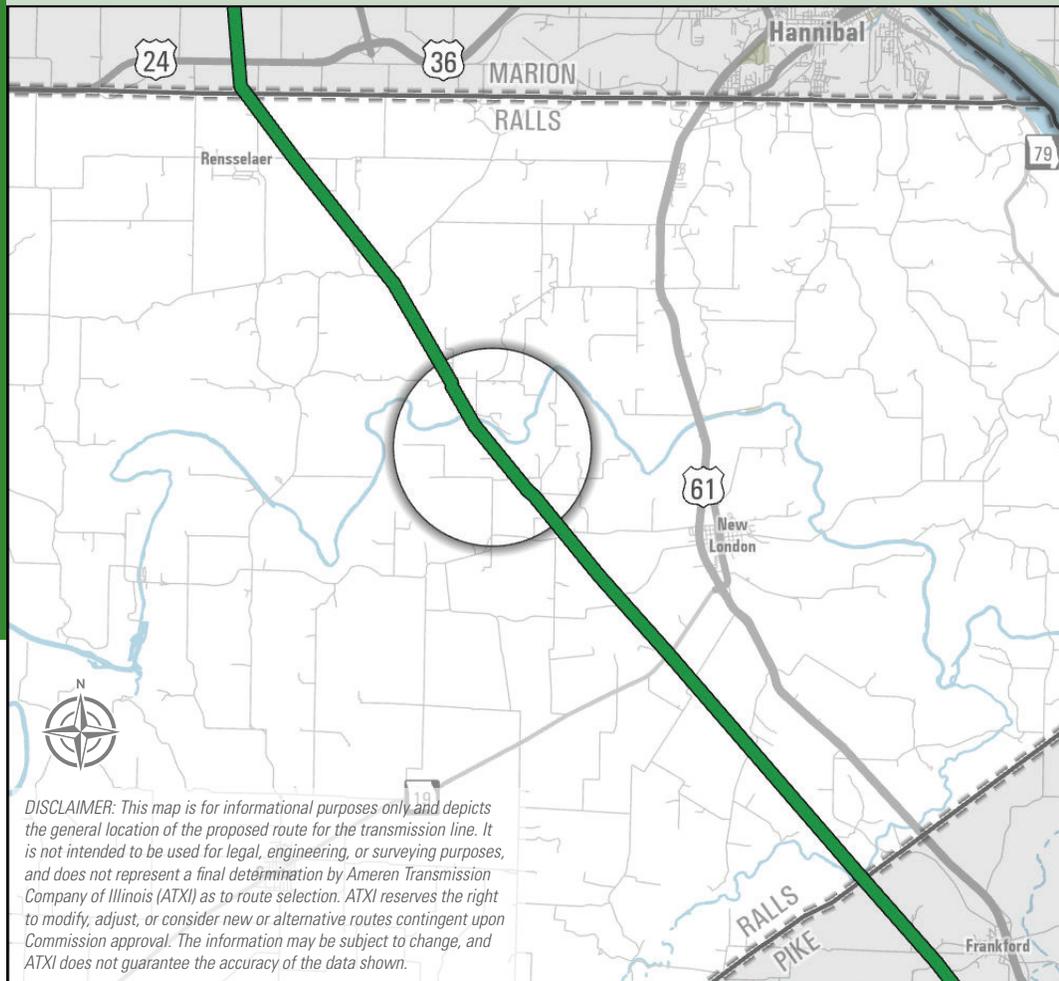
Up to **4 miles** of new 345 kV transmission line may be re-routed along a new corridor through the county.

The Project will prepare the grid for the future by replacing aging infrastructure, adding transmission capacity to ensure reliability and resiliency, and promoting more access to a balanced mix of energy sources for communities.

Study Area



All items shown are subject to change throughout the routing and filing process.



- Maywood - Belleau 161/345 kV Existing Transmission Replacement
- New Corridor Option Study Area
- Protected Land

PUBLIC AND STAKEHOLDER INVOLVEMENT

Community leaders and members of the public will have various opportunities to provide input during each phase of the routing process as a preferred and alternate route are defined and submitted for certification by the Missouri Public Service Commission later this year. The goal of the routing process is to identify and take advantage of opportunities while understanding and minimizing impacts to sensitivities and adhering to technical guidelines and statutory requirements. The project team will continue to engage local communities as the project progresses.

TYPICAL WEATHERING STEEL MONOPOLE STRUCTURES



Voltage:
161 kV and 345 kV



Height:
125-165 ft.



Span:
700-1,200 ft.



Structures
per mile:
5 to 8



Conductor ground
clearance:
21 ft. (minimum)



Foundation:
Directly embedded
with concrete backfill

TYPICAL STEEL MONOPOLE STRUCTURES



Voltage:
345 kV



Height:
125-165 ft.



Span:
700-1,200 ft.



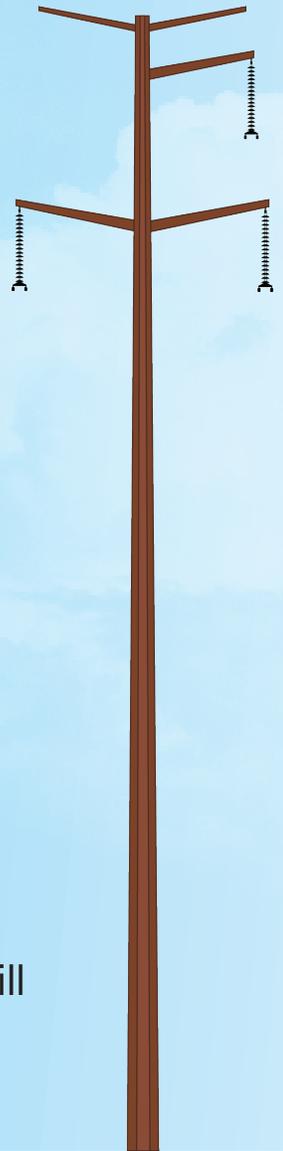
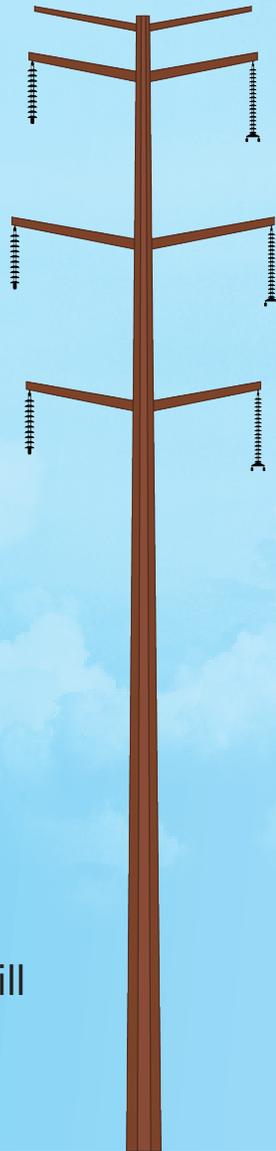
Structures
per mile:
5 to 8



Conductor ground
clearance:
25 ft. (minimum)



Foundation:
Directly embedded
with concrete backfill



At this time, we anticipate using steel monopole structures. Typical information about these types of structures is provided.

Note: This graphic is not to scale, and the number of arms on a typical structure may vary depending on the final route.

CONNECT WITH THE PROJECT TEAM



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