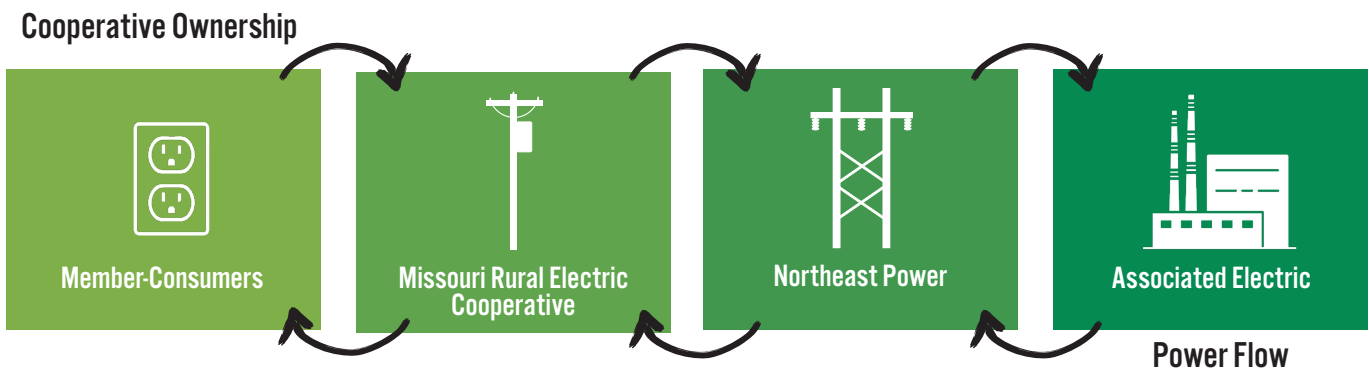


MARK BOTTOMS TRANSMISSION LINE REBUILD

ABOUT OUR POWER SYSTEM

Northeast Missouri Electric Power Cooperative (Northeast Power) is part of a three-tiered not-for-profit electric cooperative system. Each tier has its own set of unique responsibilities. Northeast Power is part of the second level of the three-tiered system, which is primarily responsible for transmission services and delivery of wholesale power to our member-distribution cooperatives, including Missouri Rural Electric Cooperative.



ABOUT THE PROJECT

Northeast Power has identified a need to upgrade transmission infrastructure in the area by rebuilding portions of existing lines within the Mark Bottoms, north of Palmyra. One 161 kV line runs from Northeast Power's South River 161 kV Substation, east of Palmyra to the Palmyra 345 Substation, northeast of Palmyra. The second 161 kV transmission line runs from Northeast Power's South River 161 kV Substation to the Emerson Substation, near Emerson. The 69kV line runs from Northeast Power's 69 kV South River Switch Station to the Taylor Substation, near Taylor.

By relocating and co-locating lines on shared corridors, this rebuild project will increase reliability during flooding events and help meet the long-term needs of our electric cooperative members and communities.

This project will consist of reconstructing approximately 10.9 miles of 161 kV transmission line and 6.8 miles of 69 kV transmission line within the Mark Bottoms and adjacent uplands. Single circuit and parallel double circuit configurations supported on steel monopole and steel or wood h-structures will be used for construction. Most of the conductor will be replaced with larger conductor.

✓ **IMPROVES SAFETY
AND RELIABILITY
DURING FLOODING**

✓ **SUPPORTS REGIONAL
LOAD GROWTH**

✓ **COORDINATION REDUCES
LANDOWNER IMPACT**

✓ **ENHANCES VOLTAGE
SUPPORT AND RELIABILITY**

PROJECT DESCRIPTION



LOCATION

- The project will take place in the Mark Bottoms and adjacent uplands located northeast of Palmyra, Missouri.



CONSTRUCTION

- Construction of the lines will occur over a 14-month period.
- The project will be designed to meet or exceed the National Electrical Safety Code (NESC) and United States Department of Agriculture Rural Utilities Service (USDA RUS) standards for required clearances.



STRUCTURES

- Both steel monopole and steel or wood h-structure configurations are being considered for this rebuild.
- The average span length for these structures is still being determined.
- Northeast Power will work with landowners on the location and placement of structures where feasible.



REAL ESTATE

- Supplemental easements will be obtained on existing easements to better clarify rights and obligations of each party.
- A small number of new 100-foot easements will be sought for a portion of the rebuild that is being realigned.
- Compensation will be offered in return for the granting of an easement.

ANTICIPATED TIMELINE

Project timeline subject to change.

2024/2025

- Engineering/Design
- Right-of-Way/Real Estate
- Field Studies/Permitting
- Procurement

2025/2026

- Procurement (continued)
- Construction
- Project Completion



Northeast Power
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