

Northeast Oklahoma Transmission Enhancement Project

AEP Oklahoma Transmission Company, Inc. (OK Transco) representatives plan to expand the electric transmission system in northeast Oklahoma as part of a regional reliability effort.

What

The project involves:

- Building approximately 100 miles of 345-kilovolt (kV) transmission lines.
- Upgrading equipment at the Delaware Substation to accommodate the new transmission lines.

Why

The Southwest Power Pool (SPP), the regional transmission operator who oversees and monitors the power grid across 14 states, mandated this project as a regional effort to expand the transmission system and enhance reliability in Oklahoma, Kansas and Missouri.

The improvements:

- Enhance electric service reliability and quality.
- Reduce the frequency and duration of power outages.
- Improve ability to deliver power during extreme weather events.
- Optimize operations and lower the cost to deliver power across the region.
- Improve the transmission of low-cost energy to eastern areas of the SPP footprint, including northeast Oklahoma.

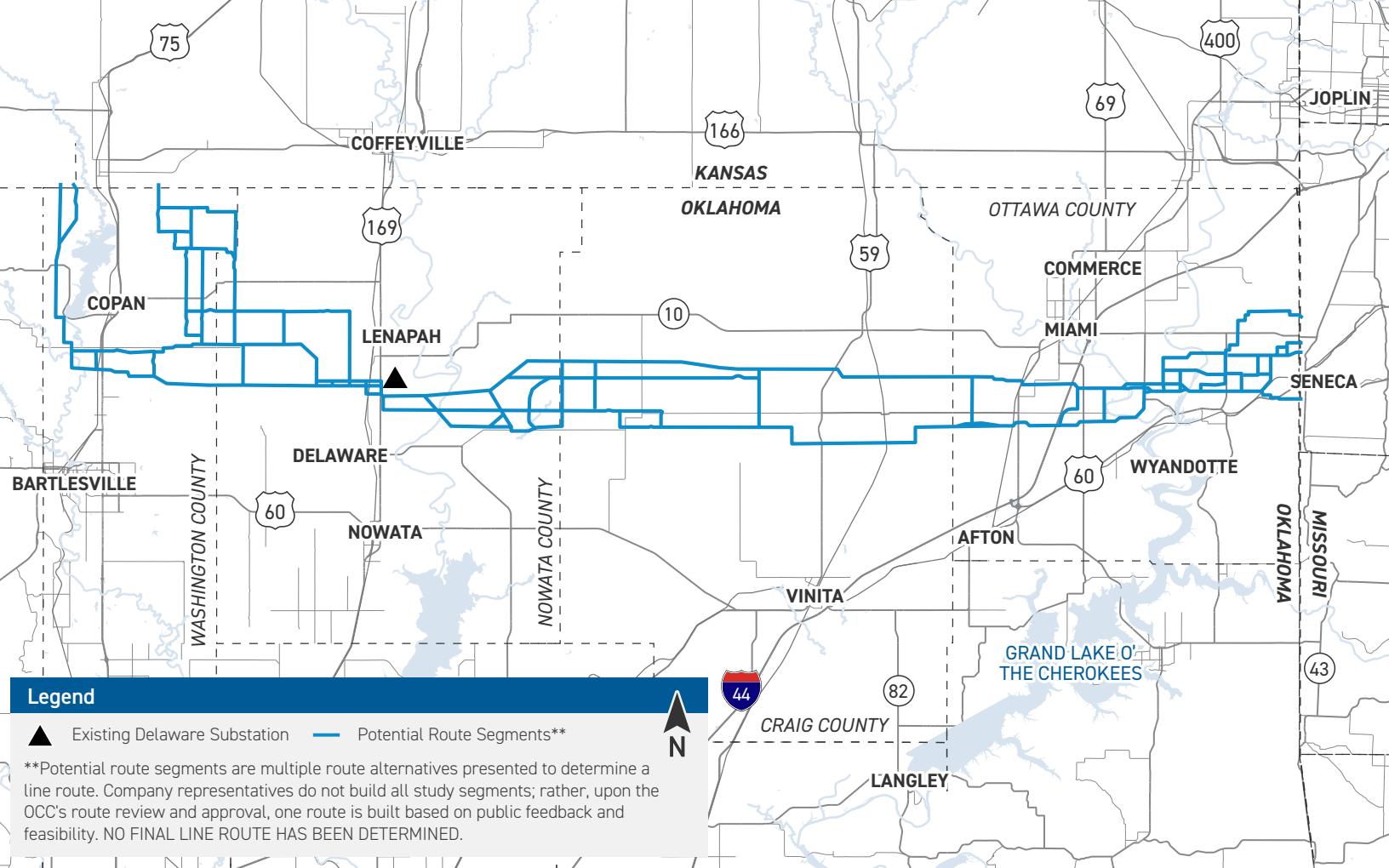
Where

The project area includes Nowata, Washington, Craig, and Ottawa counties.

- Segment 1 involves building approximately 34 miles of 345-kV transmission line from the Delaware Substation in central Nowata County to a point near the Oklahoma-Kansas border.
- Segment 2 involves building approximately 68 miles of 345-kV transmission line from the Delaware Substation to a point near the Oklahoma-Missouri border.

Project Schedule

	2026	2027	2028	2029	2030
Project Announcement & Open Houses Early 2026	●				
File Application with OCC* Summer 2026		●			
Regulatory Open Houses Summer 2026		●			
Anticipated OCC* Decision Early 2027		●			
Right-of-Way (ROW) Communications Early 2027 - Spring 2028		●	●		
Pre-Construction Forestry Activities Early 2028 - Spring 2028			●	●	
ROW Access Construction Spring 2028 - Summer 2028			●	●	
Segment 1 Construction Summer 2028 - Spring 2029			●	●	
Segment 2 Construction Summer 2028 - Late 2029			●	●	
ROW Restoration Activities Fall 2028 - Summer 2030			●	●	



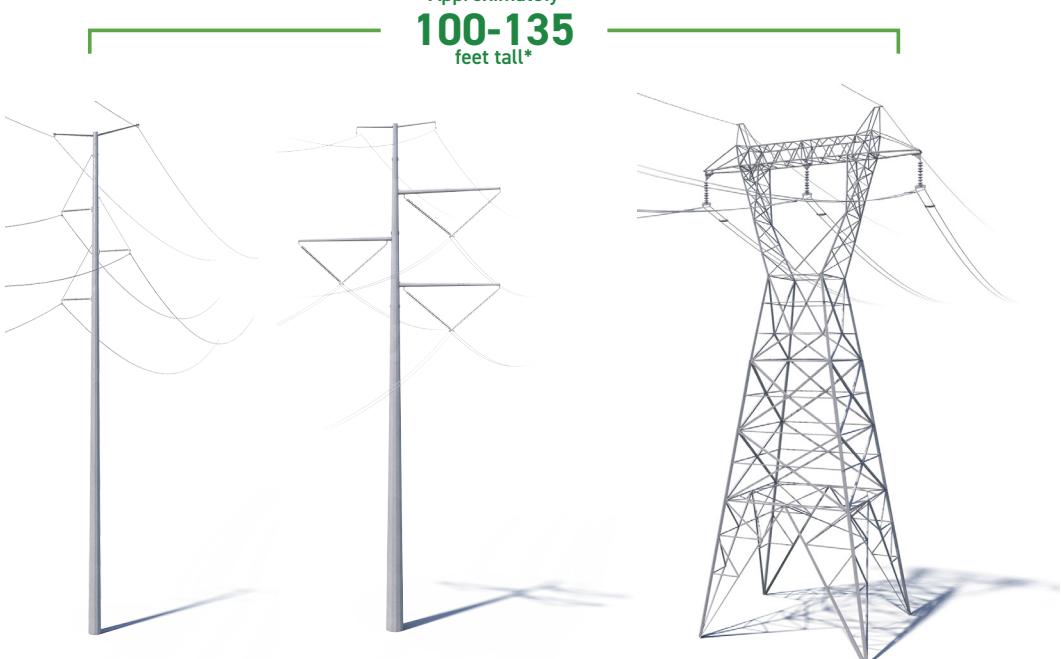
Typical Structures

OK Transco representatives are considering single steel poles or steel lattice towers as the primary structures on this project.

Typical Structure Height:
Approximately 100 – 135 feet*

Typical Right-of-Way Width:
150 feet*

Typical Distance Between Structures:
Approximately 850 – 1300 feet*



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



We value your input. Please send comments and questions to:

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