

CATOOSA - VERDIGRIS TRANSMISSION LINE REBUILD PROJECT

Public Service Company of Oklahoma (PSO) representatives plan to strengthen the electric system in southwestern Rogers County by rebuilding an aging transmission line. PSO representatives plan to begin construction in fall 2025 and conclude in spring 2026.

WHAT

The project involves:

- Rebuilding about 11 miles of the 138-kilovolt Catoosa - Northeastern Power Station transmission line between PSO's Catoosa Substation in Catoosa and KAMO Power's Verdigris Substation near Claremore
- Rebuilding about 3 miles of lines connecting other substations to the Catoosa - Northeastern Power Station transmission line
- Upgrading equipment at area substations

WHY

Since 2015, this line experienced 13 outages resulting in service interruption for area customers.

The project:

- Replaces deteriorating wooden poles from 1964 with modern steel poles
- Upgrades the local power grid to reduce the likelihood of larger, community-wide power outages
- Strengthens the line against severe weather impacts

WHERE

The power line stretches between PSO's Catoosa Substation, located in Catoosa off U.S. Route 66, and KAMO Power's Verdigris Substation, located southwest of Claremore.

Project area includes:

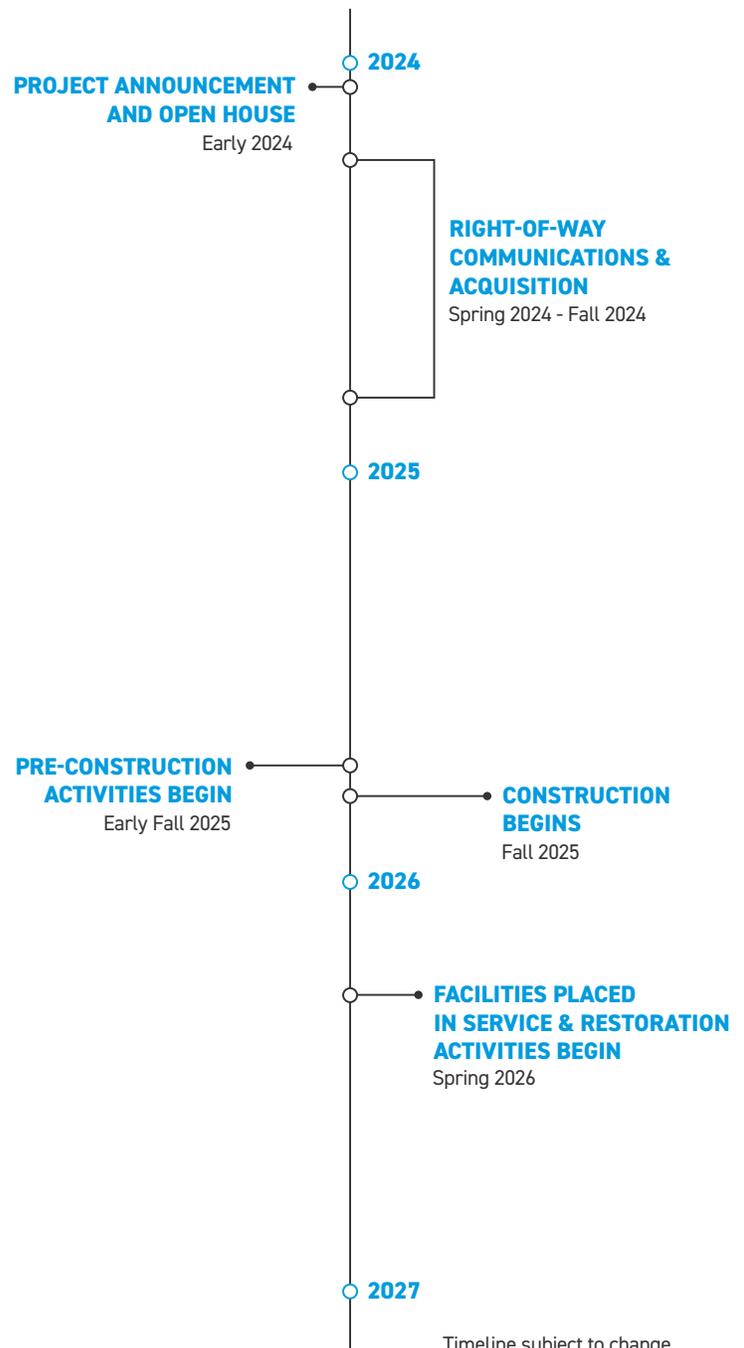
- City of Tulsa
- City of Catoosa
- City of Verdigris
- City of Claremore
- Rogers County

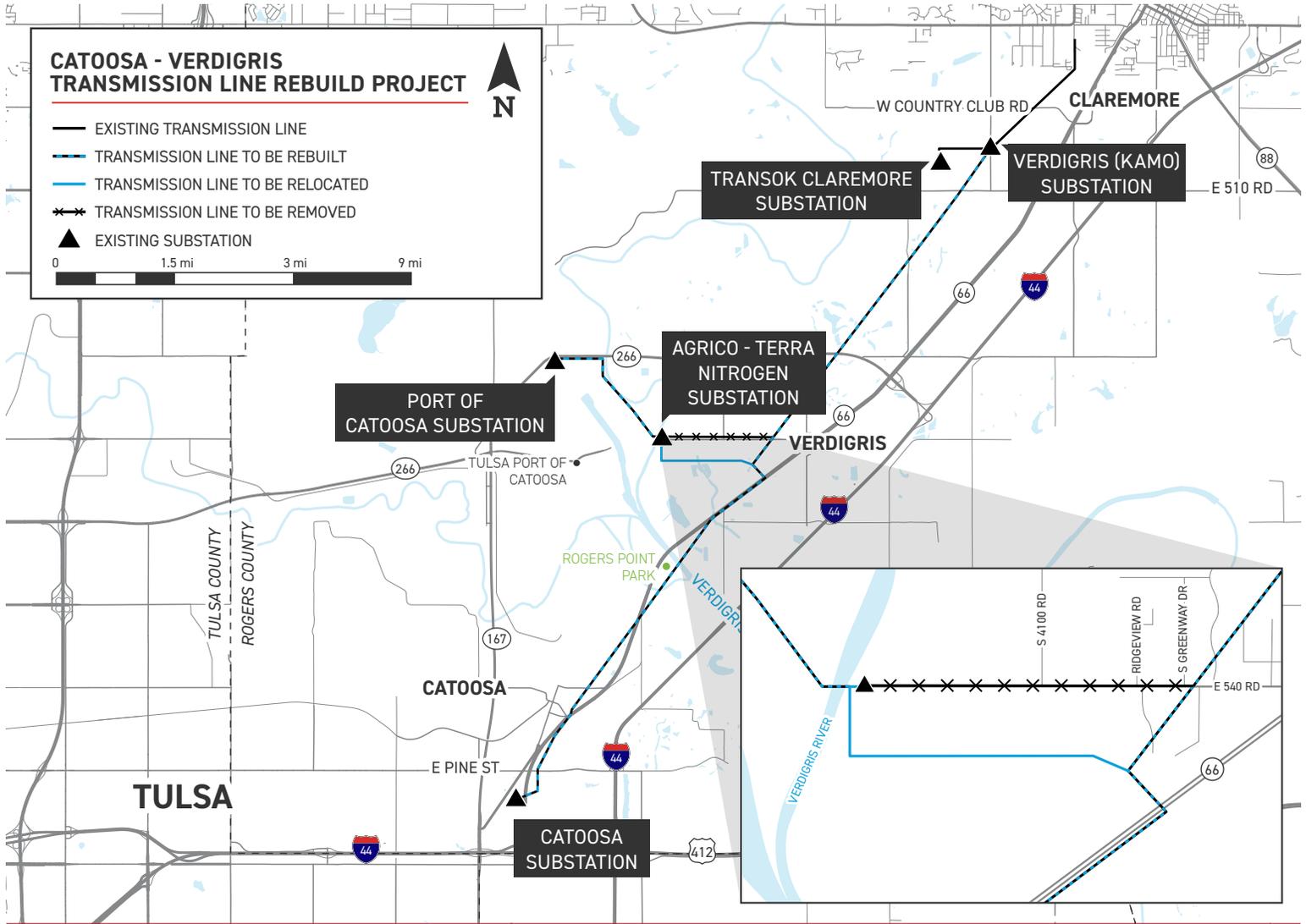
BEFORE CONSTRUCTION

PSO right-of-way representatives plan to contact affected landowners regarding any necessary easements along the transmission line route, field surveys and construction access.

Some pre-construction activities include:

- Trimming or removing woody-stemmed vegetation, and removing or relocating non-habitable structures from the right-of-way
- Installing temporary gates, fencing and access roads
- Installing culverts for water management





TYPICAL STRUCTURES

PSO representatives plan to use steel single poles on this project.

Typical Structure Height: [Approximately 90 feet*](#)

Typical Right-of-Way Width: [100 feet*](#)

*Pole designs, heights and right-of-way requirements may vary based on structures and vegetation near the line route



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

MATT HAMES · PROJECT OUTREACH SPECIALIST

MCHAMES@AEP.COM · 918-237-6736

PSOKLAHOMA.COM/CATOOSA-VERDIGRIS



01/25/2024