

LAWTON - LONE GROVE TRANSMISSION LINE REBUILD PROJECT

Public Service Company of Oklahoma (PSO) representatives are planning the Lawton - Lone Grove Transmission Line Rebuild Project as part of the larger Southern Oklahoma Transmission Improvements Project. The project involves rebuilding approximately 72 miles of transmission line in southwestern Oklahoma. Crews plan to begin construction in summer 2024 and conclude in spring 2026.

WHAT

The project involves:

- Rebuilding the existing Lawton Eastside - Sunnyside 345-kilovolt transmission line between east Lawton and the Lone Grove area
- Making minor upgrades to associated substations

WHY

The existing Lawton Eastside - Sunnyside transmission line was built in 1982 with poles and wires that have reached the end of their service life. Upgrading this line strengthens the local power grid in Comanche, Stephens and Carter counties.

The project:

- Replaces aging wooden poles with steel structures
- Strengthens the line against severe weather impacts
- Improves reliability by decreasing the likelihood of large, community-wide power outages

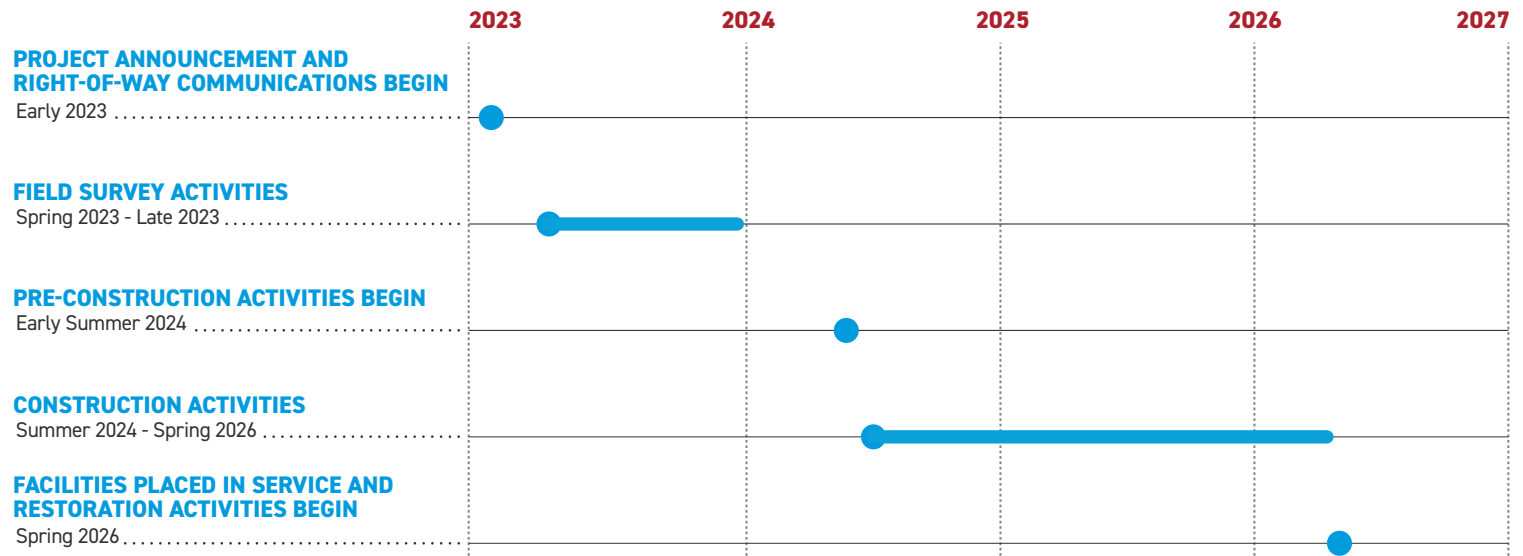
WHERE

The transmission line stretches approximately 72 miles between Lawton Eastside Substation, located in east Lawton, and Oklahoma Gas & Electric Company's (OG&E) Sunnyside Substation, located in Lone Grove.

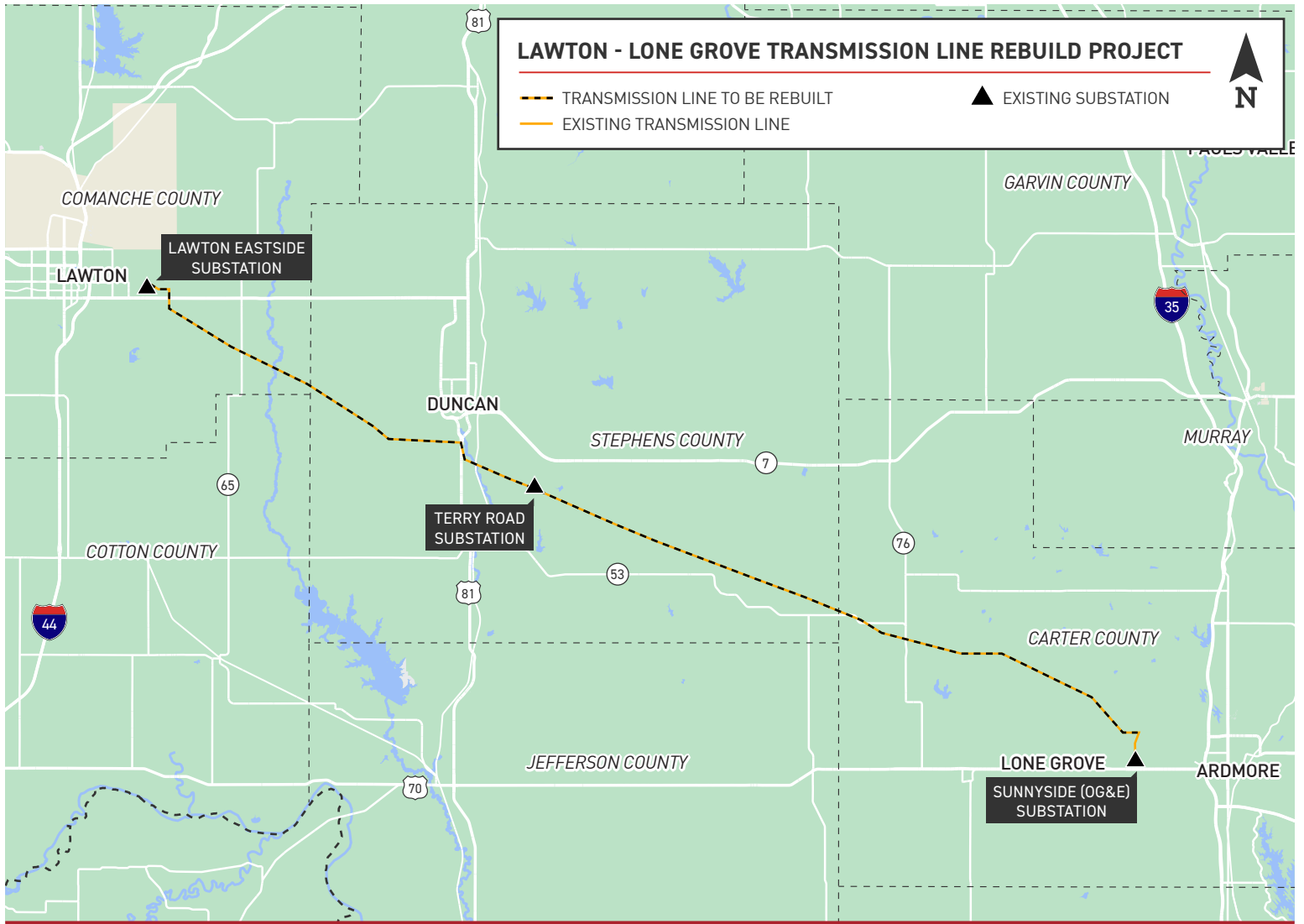
Project area includes:

- City of Lawton
- City of Lone Grove
- Comanche County
- Carter County
- City of Duncan
- City of Ardmore
- Stephens County

PROJECT SCHEDULE



*Timeline subject to change.



TYPICAL STRUCTURES

Crews plan to install steel Breakthrough Overhead Line Design® (BOLD) structures, which are more efficient than conventional transmission structures.

- Typical Structure Height: [Approximately 135 feet*](#)
- Typical Distance Between Structures: [Approximately 1,150 feet*](#)
- Typical ROW Width: [150 feet](#)

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



WE VALUE YOUR INPUT. PLEASE SEND COMMENTS AND QUESTIONS TO:
 MATTHEW HAMES · PROJECT OUTREACH SPECIALIST
 MCHAMES@AEP.COM · 918-237-6736
 PSOKLAHOMA.COM/LAWTON-LONEGROVE

02/14/2023