

# ABILENE SOUTH - PUTNAM TRANSMISSION IMPROVEMENTS PROJECT

AEP Texas representatives plan to strengthen the local electric transmission system in the Abilene area by rebuilding a 138-kilovolt (kV) transmission line.

## WHAT

The project involves:

- Rebuilding about 33 miles of 138-kV transmission line
- Upgrading equipment at existing substations

Approximately 3 miles of transmission line extending south from the Putnam Substation were rebuilt in 2003 and will not be reconstructed as part of this project.

## WHY

Most of the transmission line was constructed in 1927 and is past its planned service life. More than 3,600 AEP Texas customers in the region have experienced power outages in recent years due to the line's condition.

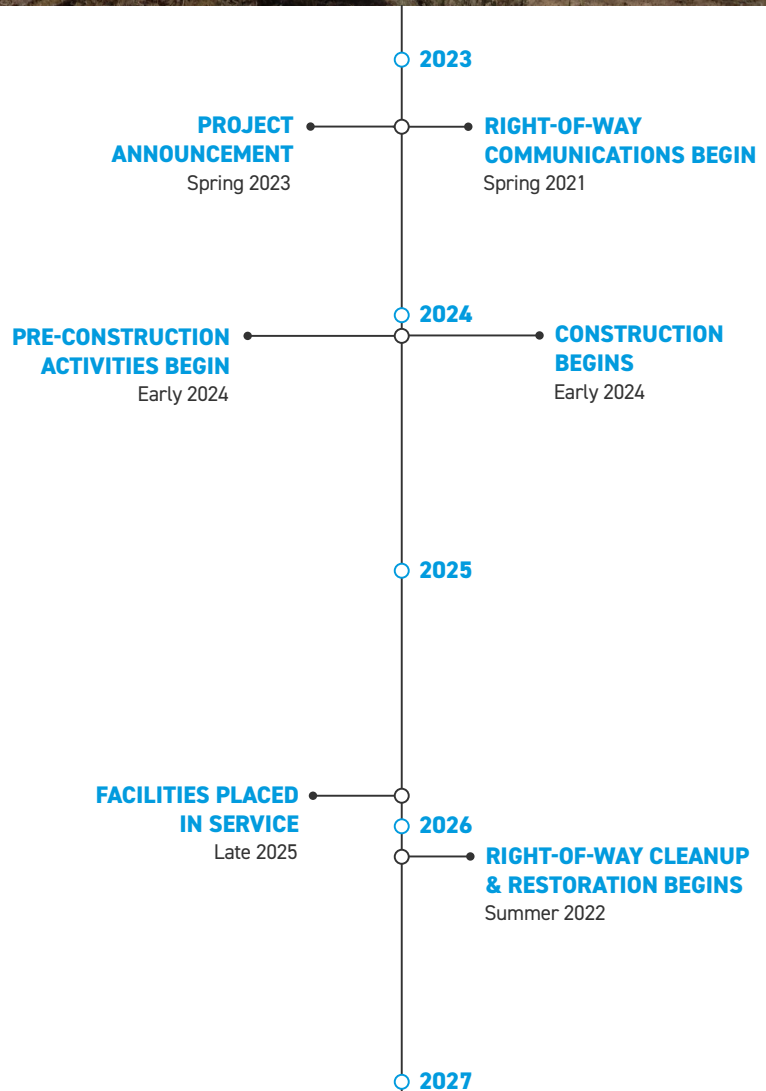
The project:

- Replaces deteriorating wooden poles with modern steel poles
- Reduces the frequency of maintenance and repairs
- Decreases the likelihood and duration of wide, community-sustained outages

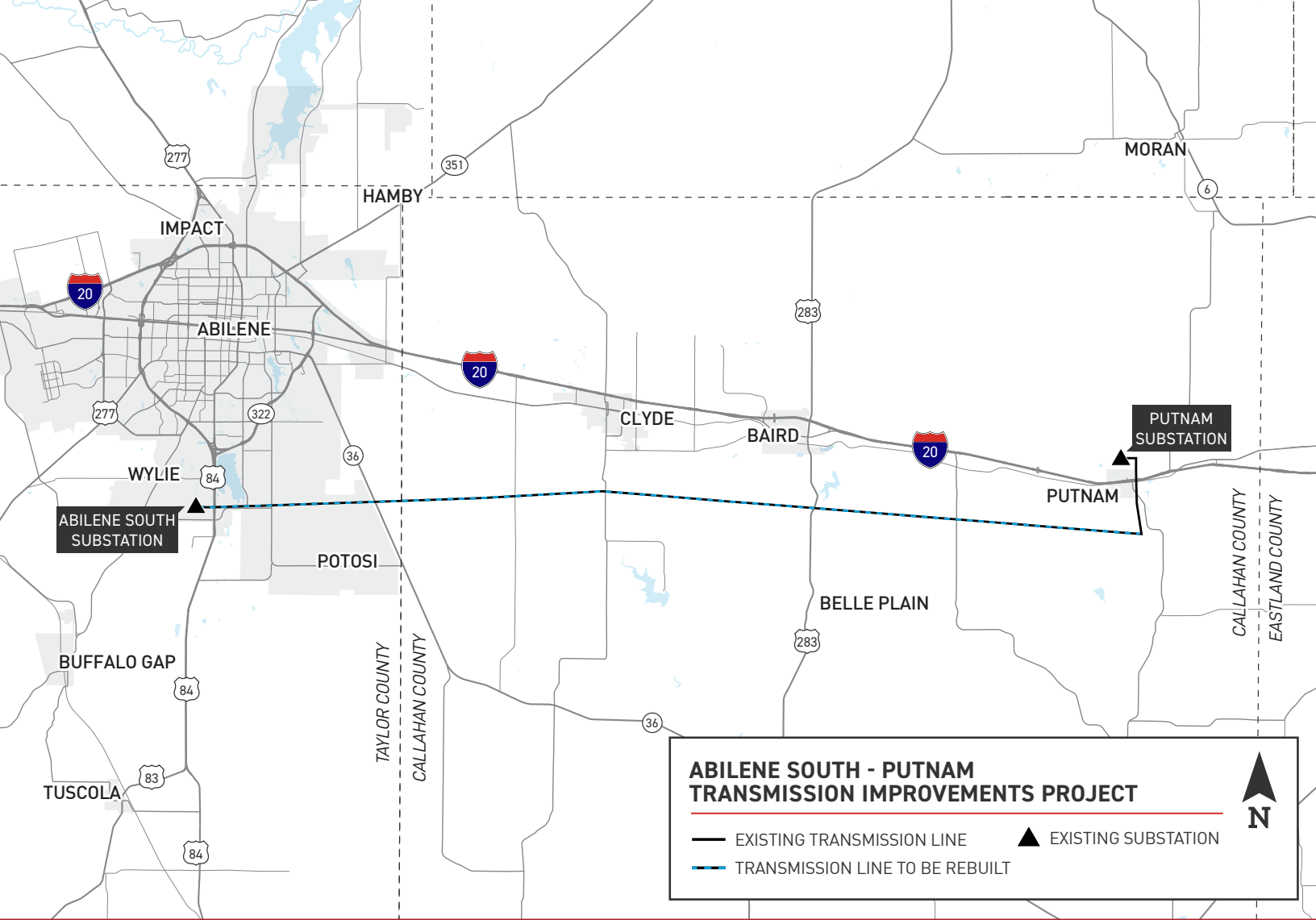
## WHERE

The transmission line:

- Begins at the Abilene South Substation, located south of Abilene off U.S. Route 83
- Ends at the Putnam Substation, located north of Putnam



Timeline subject to change.



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TRANSMISSION IMPROVEMENTS PROJECT**

— EXISTING TRANSMISSION LINE    ▲ EXISTING SUBSTATION  
 - - - TRANSMISSION LINE TO BE REBUILT

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## TYPICAL STRUCTURES

AEP Texas crews plan to install single-pole steel structures.

Typical Structure Height: **76 feet**  
 Typical Right-of-Way Width: **100 feet**

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



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