

Blessing - Zoisite Transmission Line Project

AEP Texas representatives plan to upgrade the Blessing - Zoisite transmission line, which involves the rebuilding of approximately 12 miles of existing 345-kilovolt (kV) transmission line and the addition of a second wire, or conductor on the new structures in Matagorda County.

What

The project involves:

- Rebuilding about 12 miles of the existing 345-kV Blessing - Zoisite transmission line to accommodate the addition of a second 345-kV transmission line
- Connecting the new double-circuit transmission line from the existing AEP Texas Blessing Substation to the future AEP Texas Zoisite Substation
- Upgrading equipment at other area substations

Because the line was originally approved by the Public Utility Commission of Texas (PUCT) to operate with a single circuit, AEP Texas officials plan to apply for a Certificate of Convenience and Necessity (CCN) with the PUCT in spring 2026 to include the additional circuit.

Why

This rebuild project:

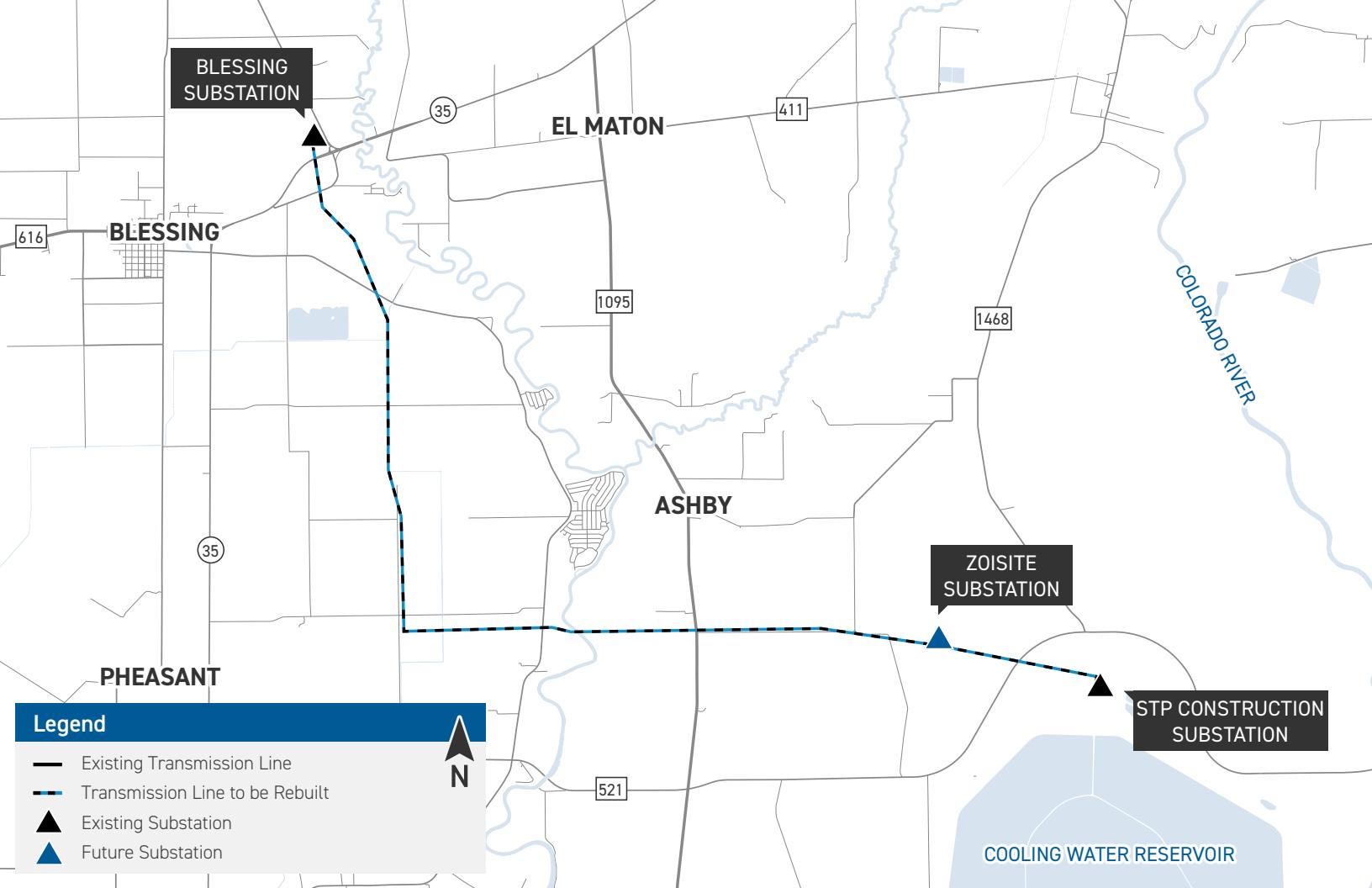
- Uses steel poles to improve the condition of the power line and strengthen the local power grid against weather impacts
- Improves the operational performance of the power line and decreases the likelihood of larger, sustained community power outages
- Provides additional electrical capacity to support the area's future growth and development

Where

The project area is east of the Census Designated Place of Blessing, Texas in Matagorda County.

Project Schedule

	2025	2026	2027	2028	2029
Project Announcement & Open House October 2025		●			
CCN* Application Filed with the PUCT Spring 2026		●			
PUCT** Approval & Final Route Determination Late 2026			●		
Right-of-Way Communications Begin Early 2027			●		
Construction Begins Fall 2027				●	
Facilities Placed in Service Spring 2029					●



Typical Structures

The new structures will include AEP's Breakthrough in Overhead Line Design (BOLD) technology, which is capable of operating more efficiently than conventional transmission pole designs.

Typical Structure Height: 130-145 feet
 Typical Right-of-Way Width: 150 feet



130-
145
feet tall

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



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

Adriana Knight • Project Outreach Staff Lead
 AEPTexasOutreach@aep.com • 833-329-4865