

LION TRANSMISSION LINE PROJECT

AEP Texas representatives plan power grid upgrades to improve electric reliability for customers in San Juan and Hidalgo County. The Lion Transmission Line Project involves building a new 138-kilovolt (kV) transmission line and a new electrical substation to strengthen the local transmission system.

WHAT

The project involves:

- Building 2.6 miles of 138-kV power line
- Building the Lion Substation located off Conway Road and South Nebraska Avenue

AEP Texas officials filed an application for a Certificate of Convenience and Necessity (CCN) with the Public Utility Commission of Texas (PUC) in December 2023 after taking public input on potential line routes. The PUC approved the project and line route in May 2024.

WHY

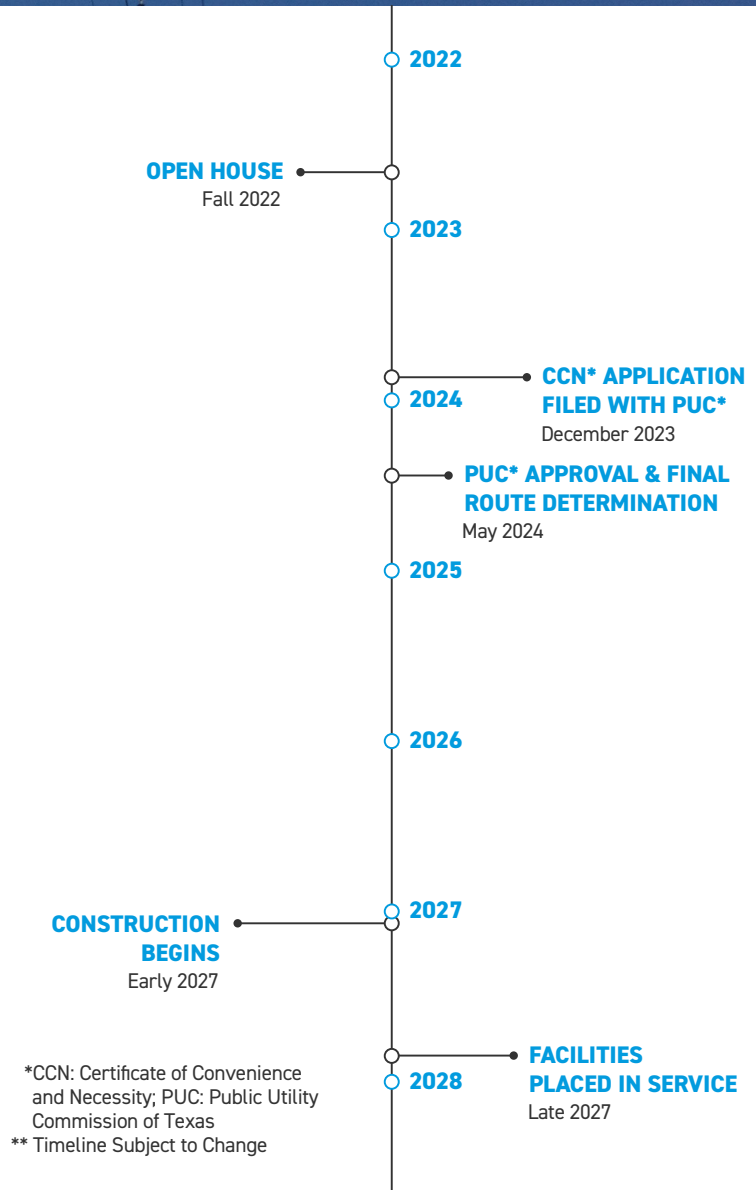
The proposed project:

- Provides an additional power source that strengthens the local electric power grid
- Decreases likelihood of larger, sustained community power outages
- Supports future growth and development in the area

WHERE

The project area includes:

- City of San Juan
- Hidalgo County

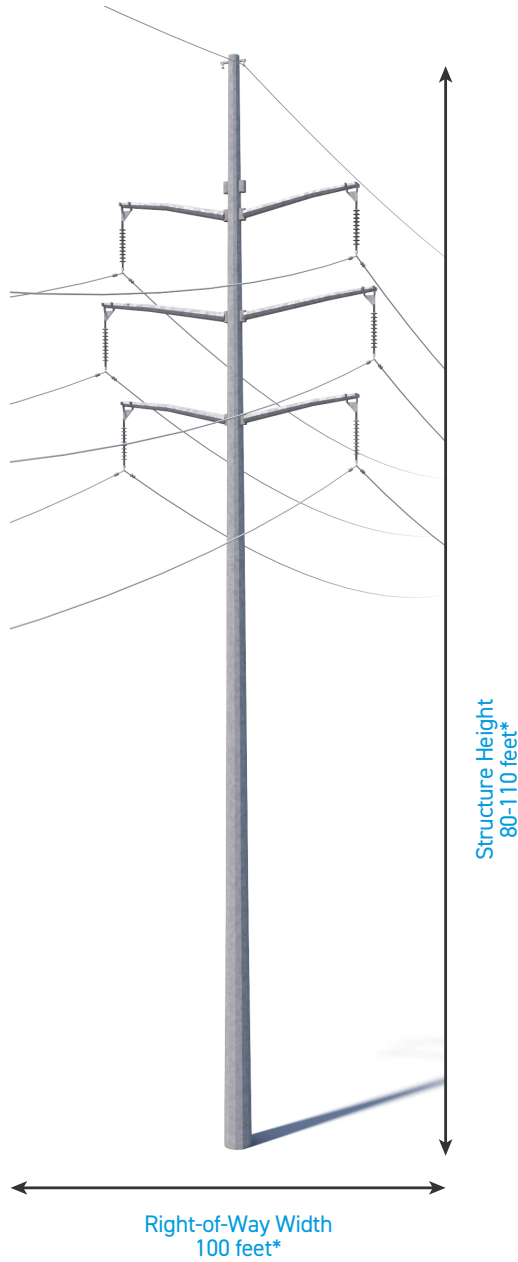


TYPICAL STRUCTURES

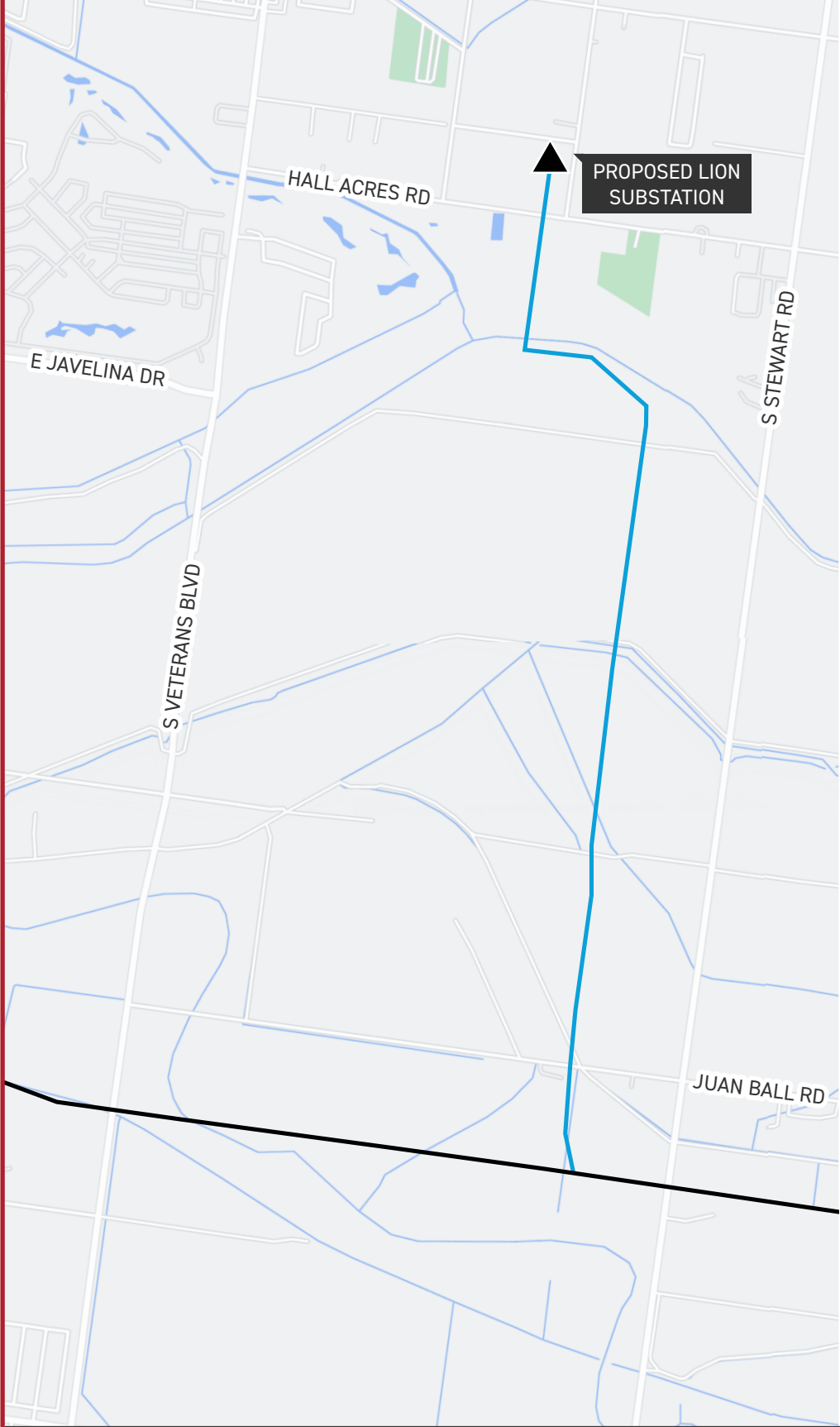
Typical Structure Height: 80-110 feet*

Typical Distance Between Structures: 600-700 feet*

Typical ROW Width: 100 feet*



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



LION TRANSMISSION LINE PROJECT

- EXISTING TRANSMISSION LINE
- APPROVED LINE ROUTE

▲ LION SUBSTATION



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

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