

Preliminary construction specifications



Transmission line

Entergy Texas plans to construct and operate a single pole, double-circuit 138-Kilovolt (kV) transmission line from the Lewis Creek to Goree (L-487) 138-kV transmission line, in Walker County, Texas to the new Texas Substation to be located along Interstate Highway 45 between Huntsville and New Waverly, Texas. The new transmission line could be approximately 3-5 miles in length depending on the route ultimately approved by the Public Utility Commission of Texas.

Structure type - Typically single pole, double circuit concrete or steel

Structure height - 80 to 130 feet

Minimum ground clearance - 26 to 35 feet

Right-of-way width - 100 feet

Average span length - 500 to 800 feet

Structures per mile - 8 to 10 structures

Structure diameter - 36 to 60 inches at ground level

Structure color - Gray

Texas Substation

The work at the new Texas Substation will be new construction on property acquired by Entergy.

A 138/13.8-kV substation will be required to facilitate installing the proposed 138-kV line as well as the distribution feeders that will provide power to the area. One 40 Megavolt Ampere power transformer will be installed to facilitate connecting the new 138-kV line to the distribution network. The substation will include space to add an additional 40-MVA distribution transformer to facilitate continued growth in the area.

Structure type - Tubular steel (low profile)

Structure height - 8 to 75 feet

Structure color - Gray

Security - 7-foot chain link fence

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