

Purpose and Need

Texas Substation and Transmission Line Project

What is the Texas Substation and Transmission Line Project?

The Texas 138 kV Substation and Transmission Line Project (Project) consists of a new 138 kV single pole/double circuit transmission line that will connect to the existing Entergy Texas, Inc. (ETI) Lewis Creek to Goree 138 kV Transmission Line (L-487) in Walker County. The new transmission line will follow a path through Walker County until it reaches the new Texas Distribution Substation. The Texas Substation is planned to be located along Interstate Highway (IH) 45 between Huntsville and New Waverly in Walker County. 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 (PUCT).

What is the purpose and need of the Texas 138 kV Substation and Transmission Line Project?

The primary purpose of the Project is to meet the area's growing power demands in Walker County spurred by residential and business development. To accomplish this, a new distribution substation, to be called "Texas Substation", is needed to provide the additional capacity and distribution feeder delivery system to integrate into the existing distribution system in the area. The location of Texas Substation is determined by the existing distribution system and available suitable property and is proposed to be located along Interstate Highway 45 between Huntsville and New Waverly in southeast Walker County. The connecting transmission line would cut-in and extend ETI's existing Lewis Creek to Goree 138 kV Transmission Line (L-487) to the proposed new Texas Substation.

The Proposed Project will require the following scopes of work:

1) Design and build the new Texas 138 kV / 13.2 kV Substation: The Texas Substation will be new construction on property acquired by ETI. A 138 kV substation is required to facilitate the installation of the proposed new 138 kV line as well as the new distribution feeders that will provide power to the area's homes and businesses.

2) Design and build the new Texas 138 kV Transmission Loop (L-487): The connecting transmission line will be a new single pole, double-circuit 138 kV transmission line that would cut-in and extend ETI's existing L-487 transmission line and connect into the Texas Substation. ETI intends for the cut-in along L-487 to be located between Farm-to-Market 2296 and Farm-to-Market 1375.