

Purpose and need

Falcon 138 kV Substation and Transmission Line Project

What is the Falcon 138 kV Substation and Transmission Line Project?

The Falcon 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) Jacinto to Splendora 138 kV Transmission Line (L-871) or the Splendora to Apollo 138 kV Transmission Line (L-571) in Montgomery and Liberty Counties. The Falcon Substation is planned to be located approximately one mile east of the intersection of Farm-to-Market Roads 1010 and 2090 in Liberty County. The new transmission line could be approximately four to seven miles in length and follow a path through Montgomery and/or Liberty Counties until it reaches the new Falcon distribution substation, depending on the route ultimately approved by the Public Utility Commission of Texas (PUCT).

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

The primary purpose of the Project is to meet the area's growing power demands in Liberty County spurred by residential and business development. To accomplish this, a new distribution substation, to be called "Falcon 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 Falcon substation is determined by the existing distribution system and available suitable property.

The proposed project will require the following scopes of work:

1) Design and build the new Falcon 138 kV / 13.8 kV substation: The Falcon 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 Falcon 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-871 or L-571 transmission line and connect into the Falcon substation. ETI intends for the cut-in along L-871 or L-571 to be located between ETI's existing Jacinto or Apollo substations.