

# Purpose and need

## Forest to War Eagle to Porter 138 kV Transmission Line Project

### What is the Forest to War Eagle to Porter 138 kV Transmission Line Project?

The Entergy Texas Forest to War Eagle to Porter 138 kilovolt (kV) Transmission Line Project (Project) consists of a new 138 kV single-circuit transmission line that will be routed from existing Forest Substation to the proposed War Eagle Substation to the existing Porter Substation, all located in Montgomery County. The existing Forest Substation is located approximately 0.5-mile east of the intersection of Interstate (IH) 45 and Texas State Highway (SH) 242. The proposed War Eagle substation will be located approximately 2.5 miles southeast of the intersection of IH 45 and SH 242. The existing Porter Substation is located approximately two miles southeast of the intersection of SH 242 and Farm-to-Market 1314. The new transmission line could be approximately eight to 12 miles in length depending on the route ultimately approved the Public Utility Commission of Texas (PUCT).

### What is the purpose and need of the Forest to War Eagle to Porter 138 kV Transmission Line Project?

The primary purpose of the Project is to prevent contingent low voltage and thermal overloads as well as benefit load serving capability in Montgomery County driven by commercial and residential growth in the area. The new transmission line, to be called "Forest to War Eagle to Porter", will provide greater reliability to the area by adding a new transmission source into the growing area.

### The proposed project will require the following scopes of work:

**(1) Design and build the new Forest to War Eagle to Porter 138 kV Transmission:** The connecting transmission line will be a new single pole, single-circuit 138 kV transmission line that would connect from the existing Forest Substation to the proposed War Eagle Substation to the existing Porter Substation.