

# Purpose and need

## Cole Road 138 kV Transmission Line Project

### What is the Cole Road 138 kV Transmission Line Project?

Entergy Texas, Inc. (Entergy Texas or ETI) is planning to construct a new double-circuit 138 kilovolt (kV) transmission line approximately 0.75 to 1.5 miles in length (depending on the route ultimately approved by the Public Utility Commission of Texas (PUCT)) that would “cut-in and out” from ETI’s existing Jacinto to Splendor 138 kV transmission line (L-871) to the new Cole Road 138 kV Substation (the Project). The new Cole Road 138 kV Substation is located approximately 0.25 miles northwest of the intersection of Interstate 69 and Brice Lane. The study area and approximate locations of the proposed end points and existing transmission line facilities are shown on the map on the website <https://www.energy-texas.com/transmission/coleroad/>.

The proposed double-circuit transmission line would be erected utilizing steel structures within a right-of-way that would be up to 100 feet wide.

### What is the purpose and need of the Cole Road 138 kV Transmission Line Project?

The primary purpose of the Project is to support and enable economic growth as well as load growth in Montgomery County in Southeast Texas. The new line will provide greater reliability to the Southeast Texas region 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 Cole Road 138 kV Substation:** The new Cole Road 138 kV Substation will be a 138/34.5 kV substation that will facilitate the installation of the proposed new 138 kV line extension.
- 2) Design and build the new cut-in to the existing Jacinto to Splendor 138 kV Transmission Line (L-871):** The connecting transmission line will be a double-circuit 138 kV transmission line, primarily using steel structures, that will extend from ETI’s existing Jacinto and Splendor substations and connect into the new Cole Road 138 kV Substation.