

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.entergy-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 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:

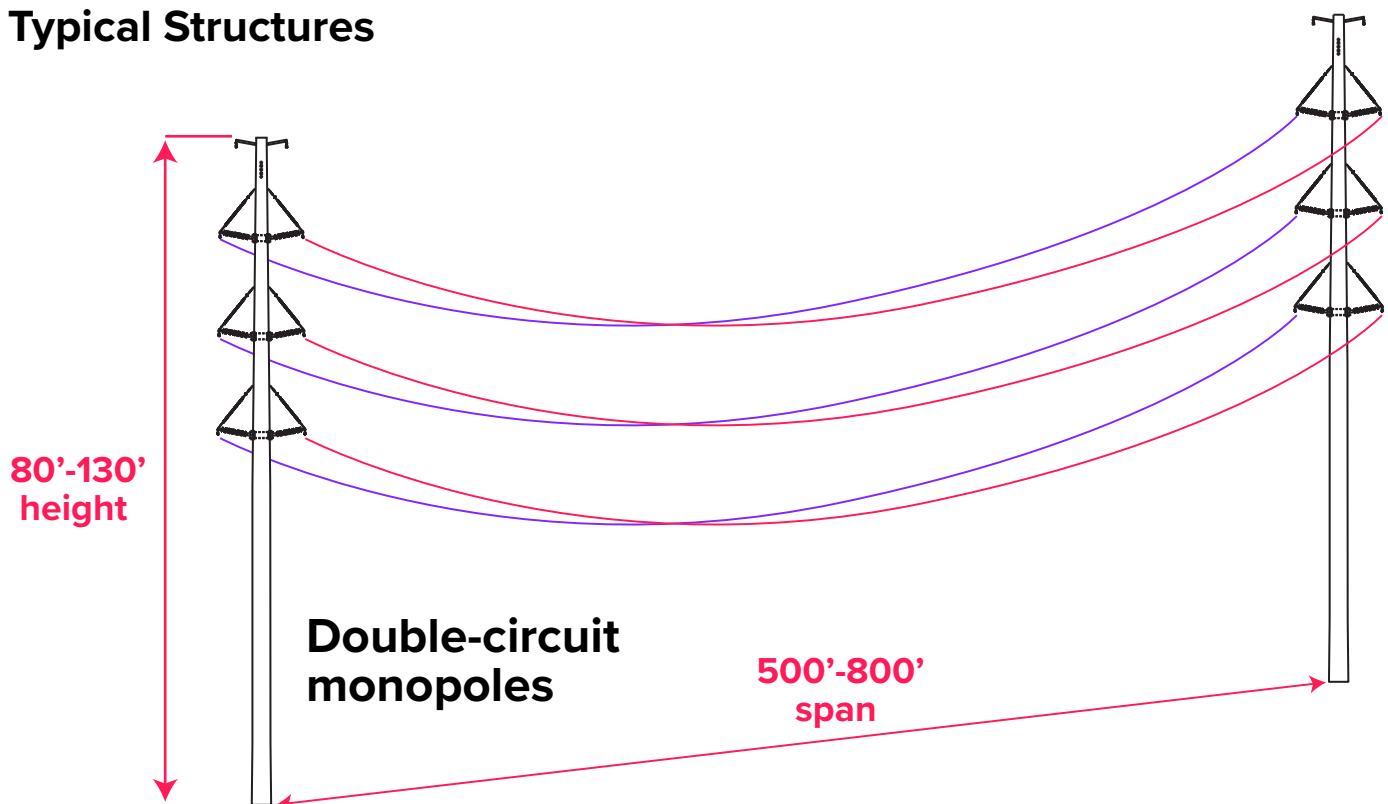
1) Design and build the new Cole Road 138 kV Substation:

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.

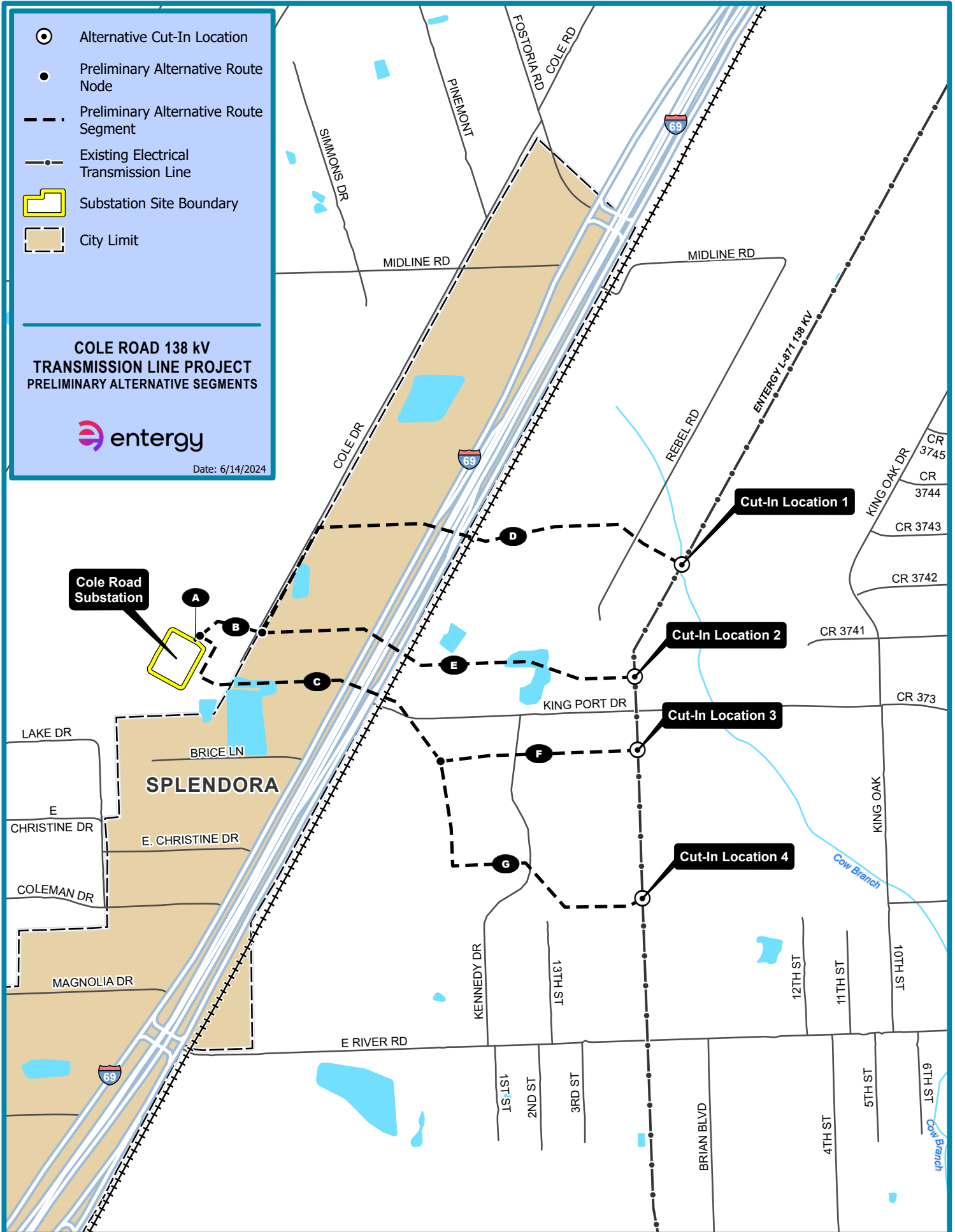
2) Design and build the new cut-in to the existing Jacinto to Splendor 138 kV Transmission Line (L-871):

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.

Typical Structures



All routes and route segments included in this notice are available for selection and approval by the Public Utility Commission of Texas (PUCT)



If approved, only one route (consisting of multiple route segments) from the Cole Road Substation to a "Cut-In" option will be selected by the PUCT. For a more detailed map, please see the project website:

Cole Road 138 kV Transmission Line Project evaluation criteria

Land use

- 01 Length of alternative route
- 02 Number of habitable structures¹ within 300 feet of the route centerline
- 03 Length of route utilizing existing electric facility ROW (transmission)
- 04 Length of route parallel and adjacent to existing electric facility ROW (transmission)
- 05 Length of route parallel and adjacent to other existing compatible ROW (roads, highways, railway, or telephone utility ROW, etc.)
- 06 Length of route parallel and adjacent to apparent property lines² (or other natural or cultural features)
- 07 Sum of evaluation criteria 3, 4, 5, and 6
- 08 Percent of evaluation criteria 3, 4, 5, and 6
- 09 Length of route parallel to pipeline ROW
- 10 Length of route across parks/recreational areas³
- 11 Number of additional parks/recreational areas³ within 1,000 feet of the route centerline
- 12 Length of route across cropland
- 13 Length of route across pasture/rangeland (includes open fields)
- 14 Length of route across land irrigated by traveling systems (rolling or pivot type)
- 15 Length of route across gravel pits, mines, or quarries
- 16 Number of pipeline crossings
- 17 Number of electric transmission line crossings
- 18 Number of Interstate (IH), US Highway (US Hwy), and State highway (SH) crossings
- 19 Number of Farm-to-Market (FM) or Ranch-to-Market (RM) road crossings
- 20 Number of private use airstrips within 10,000 feet of the route centerline
- 21 Number of heliports within 5,000 feet of the route centerline
- 22 Number of FAA registered airports⁴ (runways >3,200 feet) within 20,000 feet of the route centerline
- 23 Number of FAA registered airports⁴ (runways <3,200 feet) within 10,000 feet of the route centerline
- 24 Number of commercial Amplitude Modulation (AM) radio transmitters within 10,000 feet of the route centerline
- 25 Number of FM radio transmitters, microwave towers, etc. within 2,000 feet of the route centerline
- 26 Number of existing water wells within 200 feet of the route centerline
- 27 Number of oil and gas wells within 200 feet of the route centerline

Aesthetics

- 28 Estimated length of route within foreground visual zone⁵ of US, Interstate, and State highways
- 29 Estimated length of route within foreground visual zone⁵ of FM/RM roads
- 30 Estimated length of route within foreground visual zone⁶ of parks/recreational areas³

Ecology

- 31 Length of route across bottomland/riparian woodlands
- 32 Length of route across upland forest
- 33 Acreage of route across NWI mapped forested or scrub/shrub wetlands
- 34 Acreage of route across NWI mapped emergent wetlands
- 35 Length of route across known critical habitat of federally-listed threatened or endangered species
- 36 Length of route across known occupied red-cockaded woodpecker cluster habitat
- 37 Length of route across open water (lakes, ponds, etc.)
- 38 Number of stream/river crossings
- 39 Length of route parallel (within 100 feet) to natural streams or rivers
- 40 Length of route across FEMA mapped 100-year floodplains

Cultural resources

- 41 Number of cemeteries within 1,000 feet of the route centerline
- 42 Number of recorded historic or archaeological resources crossed by route
- 43 Number of additional recorded historic or archaeological resources within 1,000 feet of route centerline
- 44 Number of resources determined eligible for or listed on the National Register of Historic Places crossed by route
- 45 Number of additional resources determined eligible for or listed on the National Register of Historic Places within 1,000 feet of route centerline
- 46 Length of route across high archaeological/historical site potential

1 Single-family and multi-family dwellings, and related structures, etc., mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, nursing homes, schools or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis within 300 feet of the centerline of a transmission project of 230 kV or less.

2 Apparent Property lines created by existing roads, highway, or railroad ROW are not "double-counted" in the length of route parallel to apparent property lines criteria.

3 Defined as parks and recreational areas owned by a governmental body or an organized group, club, or church within 1,000 feet of the centerline of the project.

4 As listed in the Chart Supplement South Central U.S. (FAA 2024b formerly known as the Airport/Facility Directory South Central U.S.), FAA 2024a.

5 One-half mile, unobstructed. Lengths of ROW within the foreground visual zone of Interstates, US and state highway criteria are not "double-counted" in the length of ROW within the foreground visual zone of FM roads criteria.

6 One-half mile, unobstructed. Lengths of ROW within the foreground visual zone of parks/recreational areas may overlap with the total length of ROW within the foreground visual zone of interstates, US and state highway criteria and/or with the total length of ROW within the foreground visual zone of FM roads criteria.