

Transmission Line

Entergy Texas plans to construct and operate a single pole, double-circuit 230kV transmission line from the Ponderosa to Grimes 230kV Transmission Line, in the vicinity of Dobbin and Montgomery, to the new Castle Substation near Todd Mission.

- Structure Type Typically single pole, concrete or steel
- Structure Height 80 to 130 feet
- Minimum Ground Clearance 28 to 35 feet
- Right-of-way width 80 to 125 feet
- Average Span Length 600 to 800 feet
- Structures Per Mile 8 to 9 structures
- Structure Diameter 36 to 60 inches at ground level
- Structure color Gray

Castle Substation

The work at the new Castle Substation will be new construction on property acquired by Entergy. A 230kV substation will be required to facilitate installing the proposed 230kV line as well as the distribution feeders that will provide power to the area. One (1) 50 MVA, 230/34.5kV, LTC transformer will be installed to facilitate connecting the new 230kV line to the distribution network. The substation will include space to add an additional 50MVA distribution transformer to facilitate continued growth in the area.

- Structure Type Tubular Steel (Low Profile)
- Structure Height 8 to 75 feet
- Structure color Gray
- Security 7-foot chain link fence