



T587 Blanco to Mountain Top Overhaul and Conversion to 138kV

Project Overview

Line Length: 11.25 miles

Existing:

Voltage: 69-kV

Capacity: 42 MVA

Structure Type: Wood Poles

Conductor: Penguin, 4/0 ACSR 6/1 per phase

Shield Wire: 3/8" Steel

Rebuild:

Voltage: 138-kV

Capacity: 439 MVA

Structure Type: Steel Poles

Conductor: 2x795 kcmil ACSR per phase

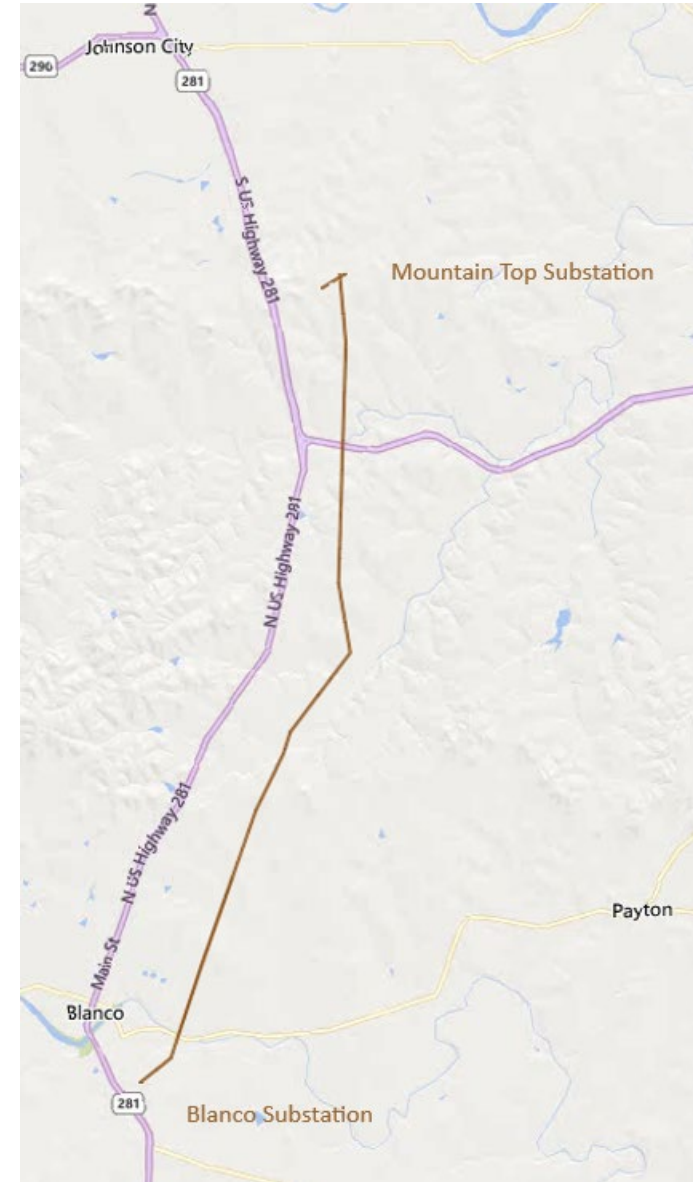
Shield Wire: OPGW

Schedule: Construction Spring 2025/Winter 2025

Notes:

PEC will replace 11.25 miles of existing wood pole 69 kV transmission line located in Blanco County with a single circuit 138kV line between the Blanco and Mountain Top substations. The new structures will be steel monopole structures with the ability to support two circuits of bundled 795 kcmil "drake" ACSR conductor and a two 144 strand OPGW shield wire. The project is to convert the 69kV line to 138kV and increase capacity on the transmission line.

The drawing to the right shows the general location of the project.



Typical Structures and Easement Summary

Double Circuit Tangent



Note: Only one circuit will be installed on this project.

Easement Summary

- Typical easement width on this line is 100ft wide.
- No additional easements required.
- No amendments to existing easements are required to construct this project.



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