Project Need: Mill Creek Distribution Substation

Serve new load in the Magnolia/Tomball/The Woodlands areas. The Northwest Houston and Southwest Montgomery County has experienced a rapid growth that has followed the addition of new residents, schools, subdivisions, retail centers, commercial buildings, growing healthcare, etc. It is forecasted to have an approximate 24% load growth between 2022 and 2031. The new Mill Creek distribution substation will help to meet the growing energy demands of our customers in these areas.

Relieve capacity limitations of the existing distribution substations.

Increase reliability in the Magnolia/Tomball/The Woodlands areas.

Support future load growth.
CenterPoint Energy studied 2 different transmission options to supply power to the 138/35 kV Mill Creek Substation.

CenterPoint Energy concluded that Mill Creek substation will be a 138/35 kV distribution substation with 2-100 MVA transformers, 4-35 kV feeders, configured as a 138 kV loop substation to serve the forecasted 2025 load.

Mill Creek substation will be looped on 138 kV Pinehurst to Tomball Ckt. 81 with an approximately 3-6 mi double circuit line.

The project will improve the reliability and load serving capabilities of the region.