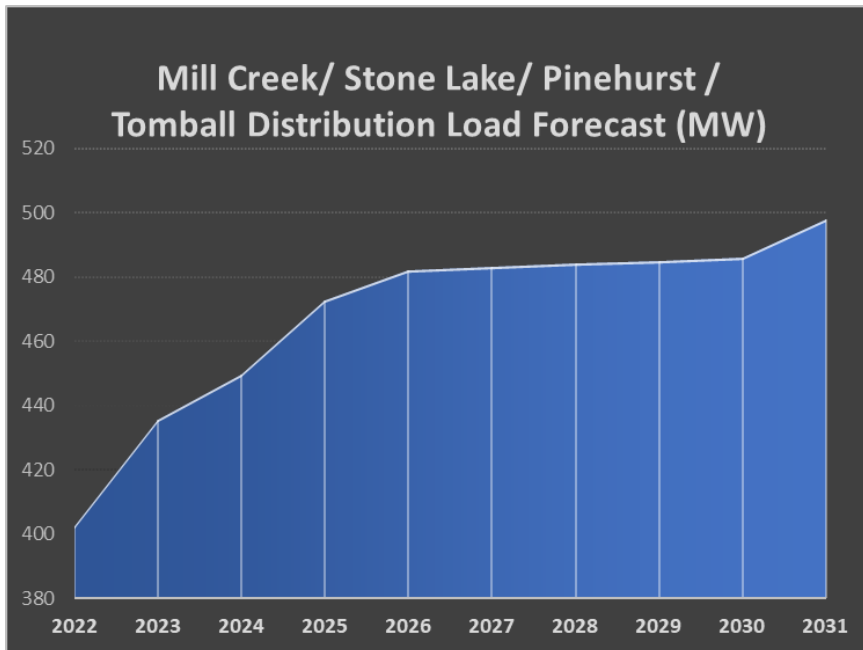


## Project Need

### Mill Creek Distribution



#### ➤ 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.**

# Project Need

## Mill Creek Distribution Substation



- ❖ 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.