

# Hunters Creek Reliability Briefing

CPS Energy Team August 3, 2021

#### **Agenda**

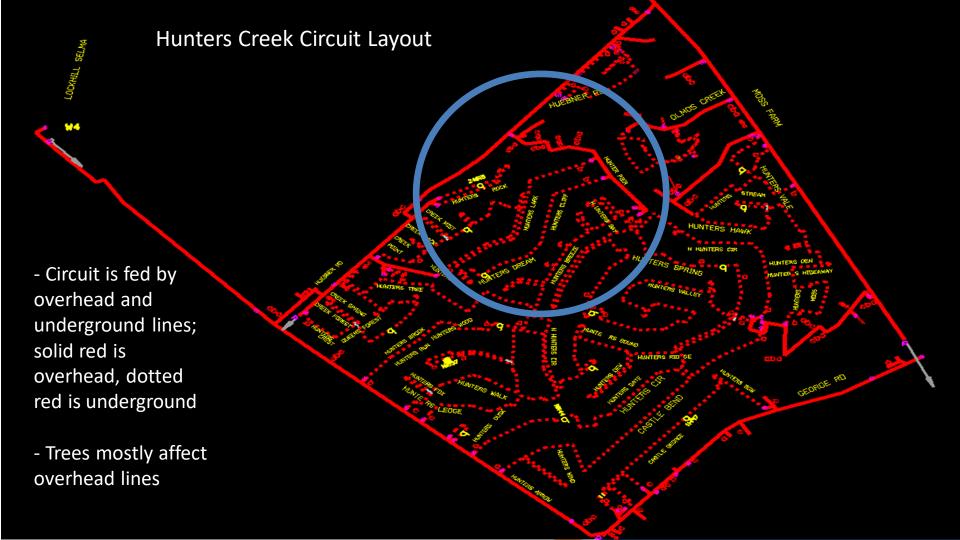


- Why do outages occur?
- How is your neighborhood served by CPS Energy
- Breaking down an outage scenario in the Hunters Creek Neighborhood
- Outage mitigation efforts
- Other Services
- Q&A

#### Why outages occur

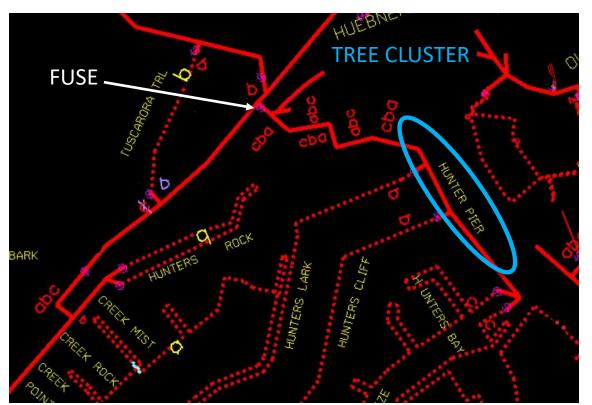


- Outages are often caused by equipment failures, infrastructure damage, and trees interfering with power lines.
- Outages customers experience occur in order to disrupt an electrical fault from causing infrastructure damage, and most of all, to ensure public safety
- CPS Energy has identified trees as the recent cause of outages on the circuit serving Hunters Creek Neighborhood
  - The trees residing on the north perimeter have been most problematic. The location and proximity to a creek bed make accessibility a challenge. These combinations with mature trees and inclement weather can often affect a customer's reliability.



## Why your power is out... But your neighbor still has power





- Trees along solid red line (overhead lines) at Hunters Pier cause an electrical fault
- Fused section off of Huebner operates leading to outages on Hunters Pier section of neighborhood
- Meanwhile, Hunters Rock still has lights on

#### **Outage mitigation efforts**



- Circuit Inspection:
  - Performed in 2020 and 2021
  - Identify potential equipment replacements, and vegetation contact with lines:
    - One equipment item remains to date (currently in design phase)
    - Tree trimming:
      - Trimming began in July 2021. Crews are still in the area to address tree grow into lines (40% complete)
      - CPS Energy business practice comprises of clearing 8-10' of vegetation to our primary electric lines
        - Depending on the area, rainfall, and tree species it would take 4-5 years to grow back
        - Customer support is key to gaining access for proper trimming.

#### **Other Services**



- CPS Energy offers Power Quality Study Services
  - Power Quality Monitoring
  - Infrared Inspections
  - Voltage fluctuation protection analysis
  - Back Up power analysis
  - Power line noise interference investigation



#### Thank You



### **Appendix**