



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.

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