

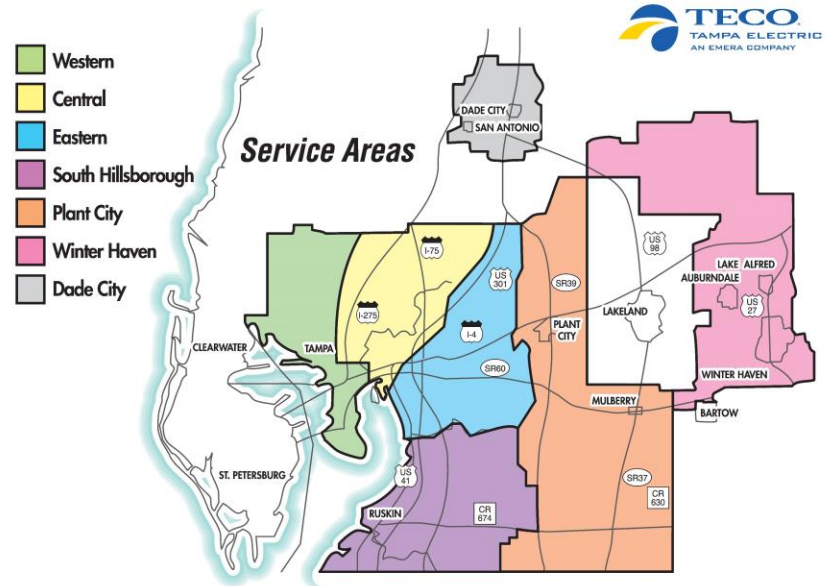


Storm Protection Plan (SPP) Lateral Underground

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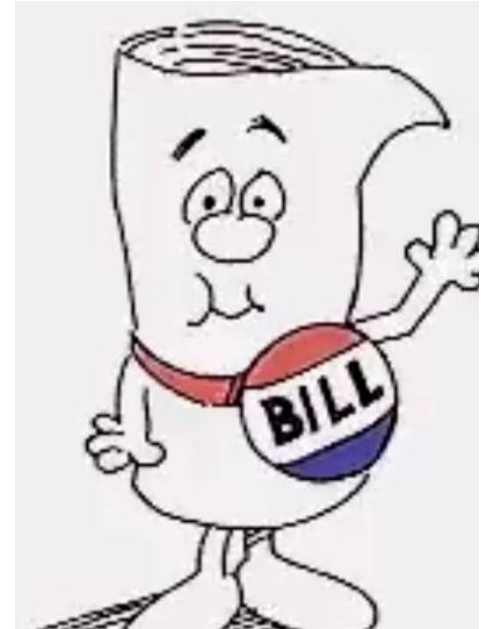
Tampa Electric Company

- About 2,000-square-miles in West Central Florida
- 800,000+ customers
- Top solar producer on a per customer basis. By 2023, TECO will have 1,200 MW of photovoltaic solar energy
- Three electric generating plants in service, with generating capability of more than 5,000 MW
- Regulated by the Florida Public Service Commission and the Federal Energy Regulatory Commission.



History of FL SPP Program

- 2019: FL Legislature passed legislation requiring utilities to file Storm Protection Plans (SPPs)
- SPPs **must** include investments to strengthen the system against extreme weather
 - Florida: wind & water
- SPPs look 10-years ahead, updated every three years, approved by the Public Service Commission
- Established the SPP Cost Recovery Clause



Tampa Electric's SPP

2020-2029 SPP Programs

- Distribution Lateral Undergrounding
- Vegetation Management
- Transmission Asset Upgrades
- Substation Extreme Weather Hardening
- Distribution Overhead Feeder Hardening
- Transmission Access Enhancement
- Infrastructure Inspections
- Legacy Storm Hardening Plan Initiatives
 - Geographical Information System
 - Post-Storm Data Collection
 - Outage Data - Overhead and Underground Systems
 - Increase Coordination with Local Governments
 - Collaborative Research
 - Disaster Preparedness and Recovery Plan
 - Distribution Pole Replacements.



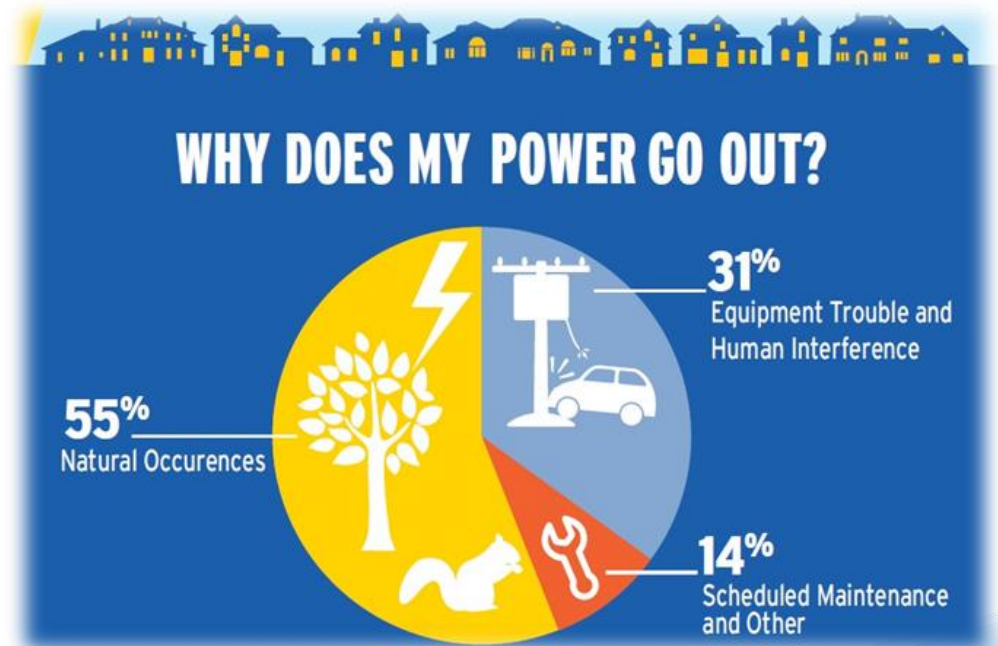
Lateral Underground



- Over 6,000 miles of overhead lines.
- Many factors to prioritize projects: outage history, flooding, wind, # of customers impacted etc.
- Heavy on customer interaction
 - Easements
 - Equipment placement
- TECO service area is very diverse – rural, suburban, and urban

Vegetation Management

- Tree contact is a leading cause of outages
- Year-round trimming
- Trim 2,000 miles/year, once every 3 years
- **2021 we saw a 40 decline in tree contact outages since our SPP launched**



Hardening

- Upgrade poles to steel or concrete
- Substation resiliency
 - Raise equipment
 - Install flood walls
- Improved technology
 - Self-healing/redirecting
 - Automatic outage detection





Questions?

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