



Gulf Power®

FPSC Hurricane Preparedness Workshop May 19, 2020

Paul Talley

**Manager Technical Services –
Power Delivery**



Topics of Discussion

- **Storm Preparation / Restoration Processes**
- **Outreach and Communications**
- **Vegetation Management**
- **Pole Inspections**
- **2020 Challenges and Lessons Learned (Pandemic Event)**

Storm Preparation

- **Implementation of Best Practices**
 - Drills / Mutual Aid opportunities
- **2020 Storm Drill will be combined with FPL**
 - Scheduled the week of June 22nd
 - Scenario will be a hurricane that impacts both FPL and Gulf's service areas in conjunction with a pandemic event
- **Participate in County and State Drills**
- **Review of all vendor contracts**
- **Increase materials and fuel inventory levels**
- **Ongoing refresher training**



Restoration Processes

- **Engage Mutual Assistance**
 - Southeastern Electric Exchange (SEE)
 - Edison Electric Institute (EEI)
 - Agreements within the state
 - NextEra affiliate
- **Damage Assessment / Crews begin restoration**
- **Establish ETRs**
- **Communication**
- **Critical Infrastructure/Largest number of customers**
- **Adjust resources**
- **Safety**



Restoration Processes (cont.)

Forensic Data Collection

- **Distribution**

- Partner with a third party to assist with data collection
- Data transfer tested annually
- Does not slow down restoration efforts
- Post-analysis and reporting



- **Transmission**

- Initial collection of data conducted during aerial patrols
- On-site details collected by engineering personnel
- Post-analysis and reporting

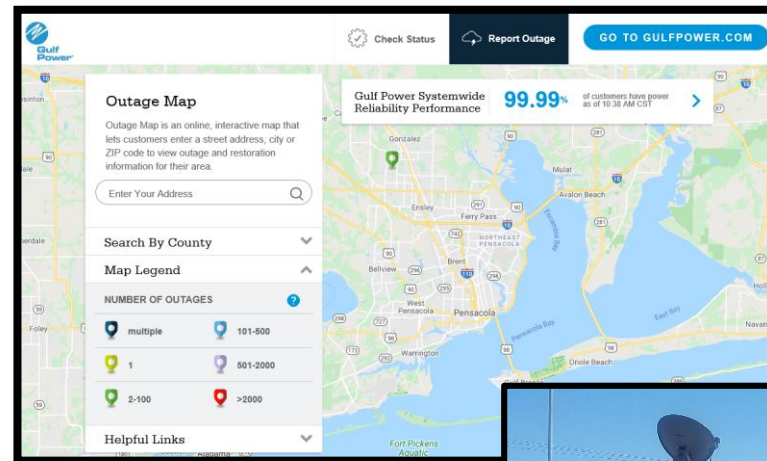
Restoration – Off-System Support

- **Hurricane Dorian (Aug 2019)**
 - Assisted Florida Power & Light Company
- **Tornadoes (October 2019)**
 - Assisted Oncor (TX)
- **Southeast Tornadoes (April 2020)**
 - Assisted Alabama Power Company



Customer Outreach and Communication

- Continue to focus on customer communication before, during, and after any event
- Provide multiple channels to stay in touch with customers:
 - News releases
 - Website
 - Social Media
 - Outage Map
 - Mobile App
 - Text Alerts
 - Mobile Command Center



Outage Map



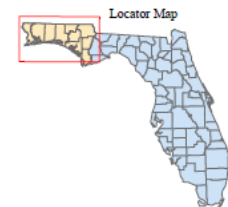
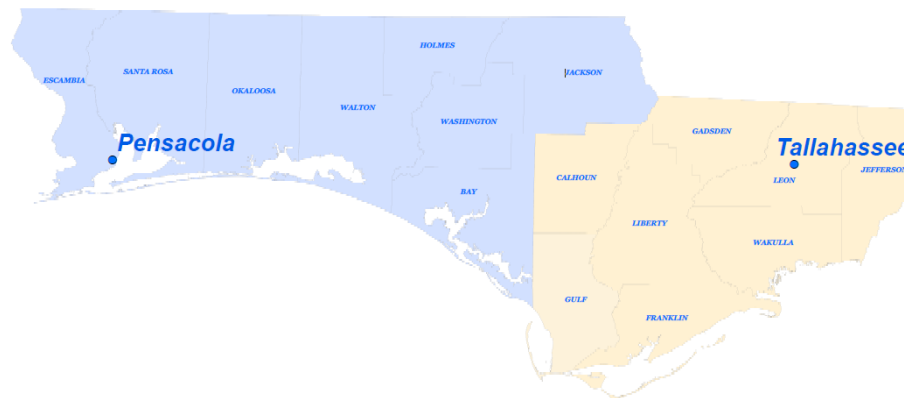
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Mobile Command Center

Stakeholder Outreach and Communication

- **Third-Party Attachers and Joint Use Partners**
 - Continue to meet bi-annually with over 20 entities (telecom, cable, etc.)
- **Forestry Services**
 - Communicate with members of the community and government officials
 - Right Tree Right Place
- **Meet with local governments throughout the year**
- **Work with entities such as FHP, FDOT and local law enforcement**
- **Utility representatives man County and State EOCs during emergencies**



Vegetation Management

- **DISTRIBUTION**

- Feeders: 3 year cycle
 - 777 miles annually
- Laterals: 4 year cycle
 - 1,257 miles annually
- Right-of-Way Acquisition Program
 - 15 ft. clearing; 150 miles acquired & trimmed (since 2016)

- **TRANSMISSION**

- Inspect and Correct
- Meet mandatory NERC-established requirements
- 1,600 miles annually



Inspections Programs

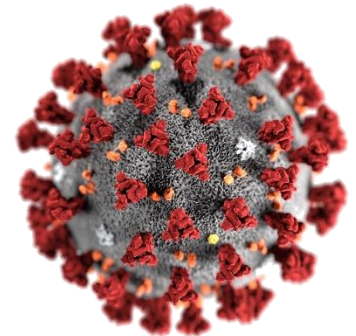
- **DISTRIBUTION (8-Year Cycle)**
 - ~26,000 pole inspections annually
 - 2019 – 25,898 inspected
 - 614 poles replaced
 - Infrared inspections of equipment conducted annually for mainline feeders
- **TRANSMISSION (6-Year Cycle)**
 - ~3,000 structures inspected annually
 - 2019 - 3,674 wood structure inspections
 - 2019 - 513 metal structure inspections
 - Aerial Patrols
 - 2019 - Two patrols conducted of entire transmission system



2020 Challenges and Lessons Learned (Pandemic Event)

Update to Business Continuity Plans and Storm Restoration Manual as a result of COVID-19

- **Mutual Assistance during a pandemic**
 - Smaller teams
 - Social distancing
 - One person occupancy of rooms
 - Limited contact with requesting utility
- **Internal Operations during a pandemic**
 - Split staff for Command Center
 - Thermal Scanning for arriving crews and daily checks
 - Smaller staging sites to maintain social distancing
 - Additional cleaning protocols and supplies
 - Food prep and delivery
- **Incorporate SEE/EI pandemic guidelines**





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Questions?