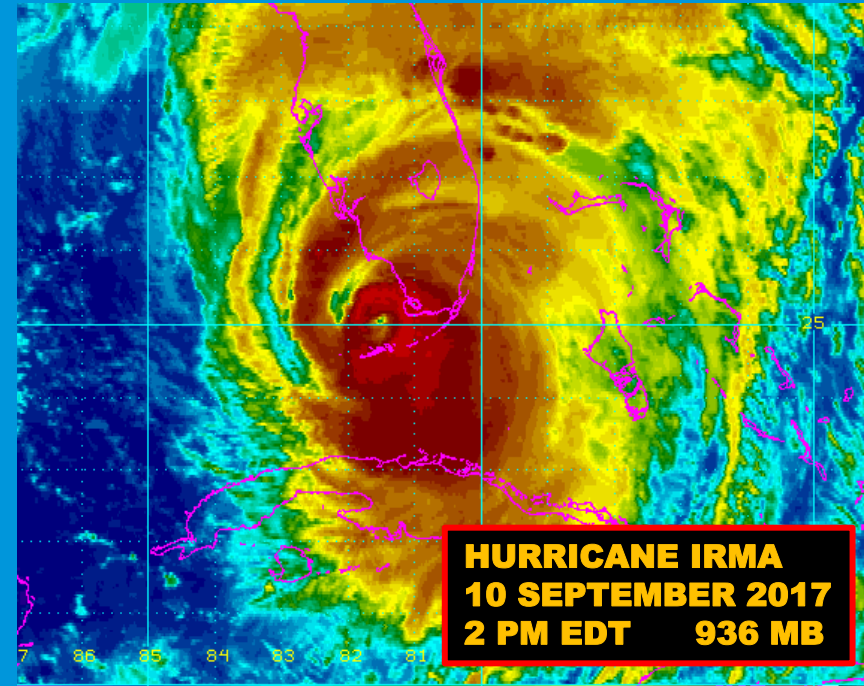
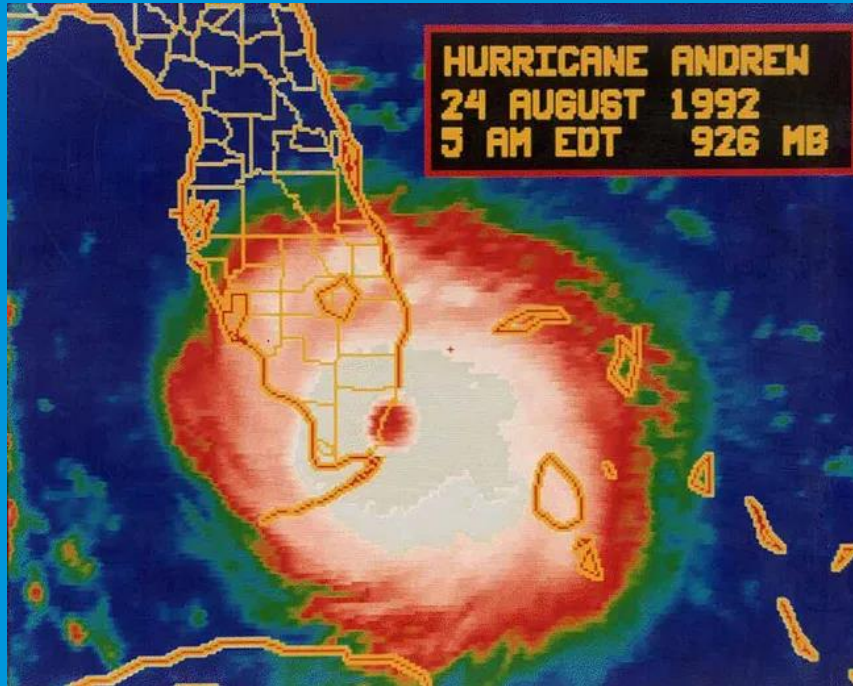




FPL®



FPSC Hurricane Preparedness Workshop May 17, 2022

Tom Gwaltney, Sr. Director Emergency Preparedness – Power Delivery

FPL is the state's largest utility, serving more than half of Florida's population

43 counties served

35,550 square miles

77,400 miles of distribution lines

9,174 miles of transmission lines

1.4 million poles

1.1 million transformers

832 substations



Topics for Discussion

- ▶ **Storm Preparation and Restoration Processes**
- ▶ **Customer/Stakeholder Outreach and Communication**
- ▶ **Vegetation Management**
- ▶ **Pole / Structure Inspections**
- ▶ **Lessons Learned**

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Storm Preparation and Restoration Processes

▶ Annual Preparation

- ▶ Corporate-wide dry-run drill – week of May 9 – 13
 - ▶ Engage strategic partners
 - ▶ Implementing technology improvements to enhance storm damage forecasting/restoration processes
 - ▶ Conducted incident management training workshops

▶ Mutual Aid Organizations/Agreements

- ▶ Southeastern Electric Exchange (SEE)
- ▶ Edison Electric Institute (EEI)
- ▶ Florida Electric Power Coordinating Group, Inc. (FCG)
- ▶ Association of Edison Illuminating Companies (AEIC)
- ▶ Pre-negotiate contracts with restoration vendors



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Customer/Stakeholder Outreach and Communication

- ▶ **Use multiple channels/methods for customer communications – before, during, and after a storm**
 - ▶ News releases and daily press conferences
 - ▶ Communicating Estimated Time of Restoration (ETR) and restoration progress
 - ▶ Targeted ads and customer emails
 - ▶ Media interviews in hardest hit areas
- ▶ **Use digital/face-to-face communications**
 - ▶ Social media for prep and safety messages, as well as restoration updates
 - ▶ FPL Mobile App available from the App Store or Google Play
 - ▶ Community response kiosks in hardest hit areas
- ▶ **Provide daily emails/updates to Govt. Portal Website (where applicable) – includes localized outage/restoration info**



Customer/Stakeholder Outreach and Communication

- ▶ **Conducting annual storm preparedness meetings with all EOCs**
 - ▶ Establishing 2022 plans for support at local EOCs, including staffing of embedded FPL employees at EOCs during events
 - ▶ Updating the Critical Infrastructure Facility and priority list
- ▶ **Continuing customer outreach meetings/presentations**
 - ▶ More than 1,000 presentations annually
 - ▶ Presentations cover various topics (e.g., storm readiness and Right Tree Right Place)
- ▶ **FPL provides information on how to safely operate private generation systems (generators and private solar systems) after a power outage**

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Vegetation Management

► Distribution

- Feeders: 3-year avg. cycle (+ mid-cycle maintenance)
- Laterals: 6-year avg. cycles
- Miles maintained (2021)
 - Feeders: 13,266 miles (4,552 cycle; 8,714 mid-cycle)
 - Laterals: 3,448 miles
- Before peak of storm season – inspect/maintain CIFs

► Transmission

- Inspect and Protect Program
 - Inspect right-of-way at least 2 times per year
 - Maintain clearances (2021): 9,060 miles
 - Meet mandatory NERC-established requirements
- Before peak of storm season – perform aerial patrols



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Pole / Structure Inspections

- ▶ **1.4 million distribution poles**
 - ▶ 8-year inspection cycle
 - ▶ In 2021 – 178,400 inspected
 - Wood: 163,662 poles
 - Concrete: 14,735 poles
- ▶ **81,058 transmission structures**
 - ▶ 100% annual visual inspection
 - ▶ Inspection cycles:
 - Wood: 6-year cycle
 - Concrete/steel: 10-year cycle

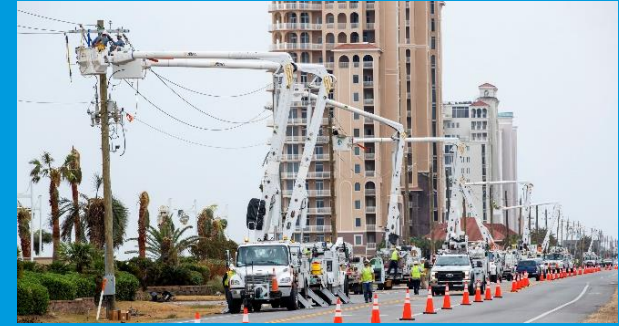


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Lessons Learned

- ▶ **Two storms affected FPL / Gulf in 2021: Elsa and Fred**
 - ▶ Experiences reinforce FPL's processes/initiatives
 - Pre-staging resources/materials
 - Use of non-traditional resources
 - Hardening beneficial
 - ▶ Consolidation of best practices and coordination between Gulf & FPL
- ▶ **Mutual assistance provided in 2021:**
 - ▶ February Winter Storm (Texas, Louisiana, Mississippi, North Carolina, and Virginia)
 - ▶ Gulf Power April Storm (Florida)
 - ▶ Tropical Storm Henri (New York)
 - ▶ Hurricane Ida (Louisiana)



Questions?

