

Florida Public Power
Hurricane Preparedness and Response
PSC Hurricane Workshop
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Florida Public Power



- FMEA = Statewide Trade Association
- 33 municipal electric utilities
- >1.5 million customer meters - ~4 million Floridians
- 14% of Florida's population
- Large Utilities
 - JEA (Jacksonville): 528,000 customers
 - OUC (Orlando): 279,000 customers
 - Lakeland: 137,000 customers
- Small Utilities
 - Moore Haven: 1,093 customers
 - Chattahoochee: 1,121 customers
- Employees ~5,700 Floridians

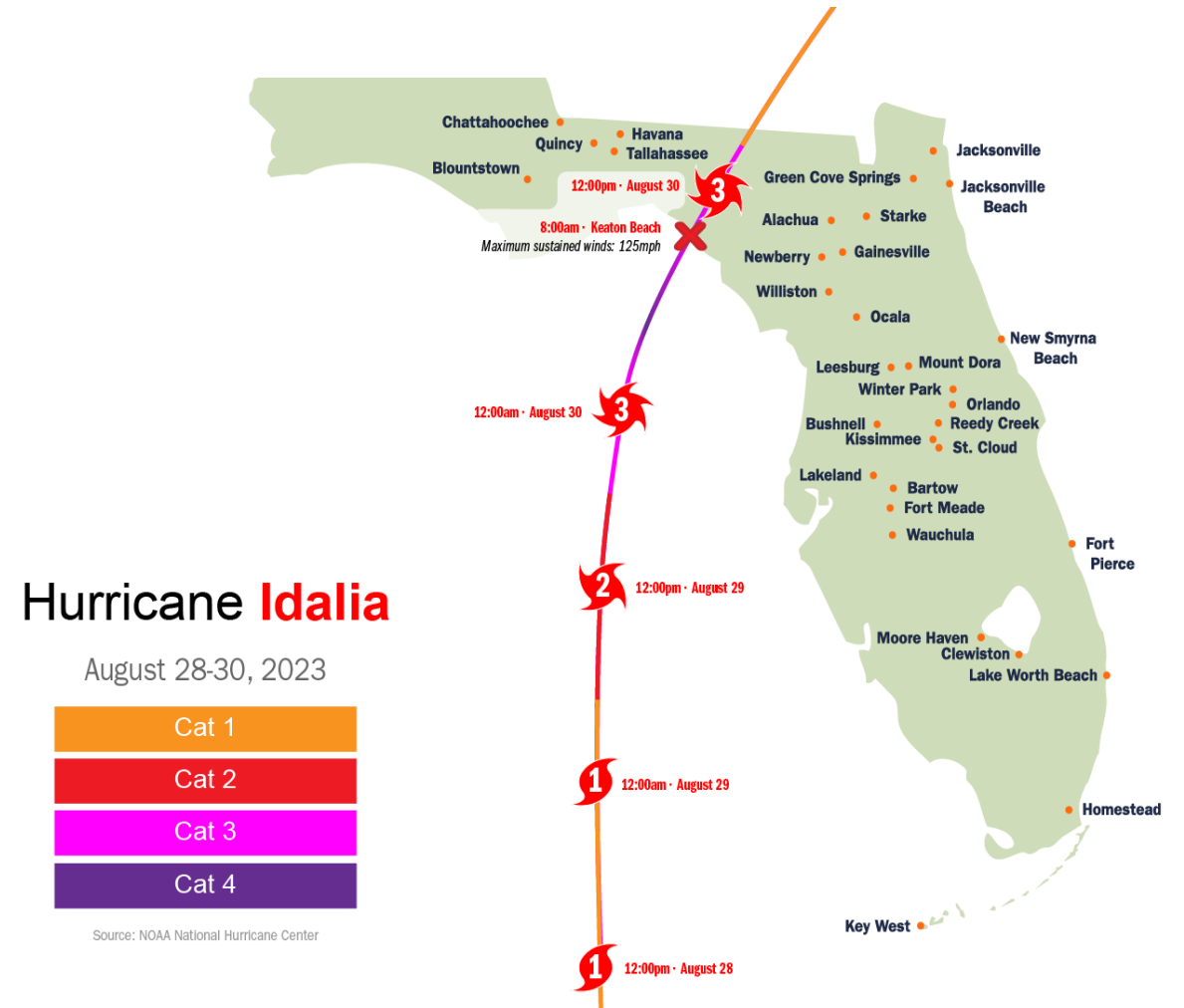
FMEA Emergency Response Role

- **FMEA serves as public power statewide mutual aid coordinator**
 - FMEA helps get additional crews and resources to help you restore power
 - FMEA works with other states, through the APPA mutual aid network, and assembles Florida public power crews to help in other areas when there is a need
- **FMEA serves as the liaison between public power and state and federal partners**
 - State Emergency Operations Center
 - Governor's Office
 - Florida Division of Emergency Management
 - Public Service Commission
 - Electric Subsector Coordinating Council
 - U.S. Department of Energy

Hurricane Idalia

Stats and Facts

- Landfall August 30, 2023, as Category 3 hurricane, winds 125 mph.
- Strongest hurricane to make landfall in Big Bend region in more than 125 years.
- More than 288,000 outages, with just over 42,000 from Florida public power.
- Coordinated more than 350 out-of-state mutual aid resources from 23 states.
- All Florida public power customers restored in less than 48 hours.
- More than 300 public power lineworkers went to assist coops and IOUs.



MUTUAL AID AGREEMENT

consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

Request for aid. The Requesting Signatory agrees to request in writing to the Aiding Signatory within a reasonable time after aid is requested. The Aiding Signatory agrees to compensate the Requesting Signatory for the cost of the aid in other agreements that may be in effect between the parties.

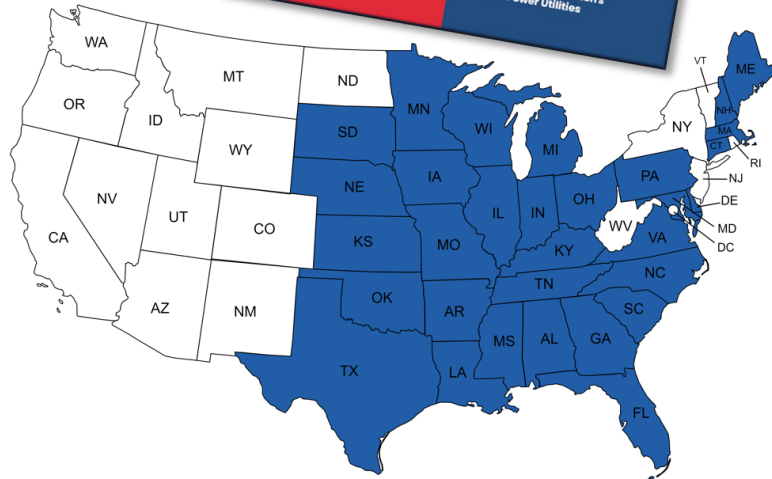
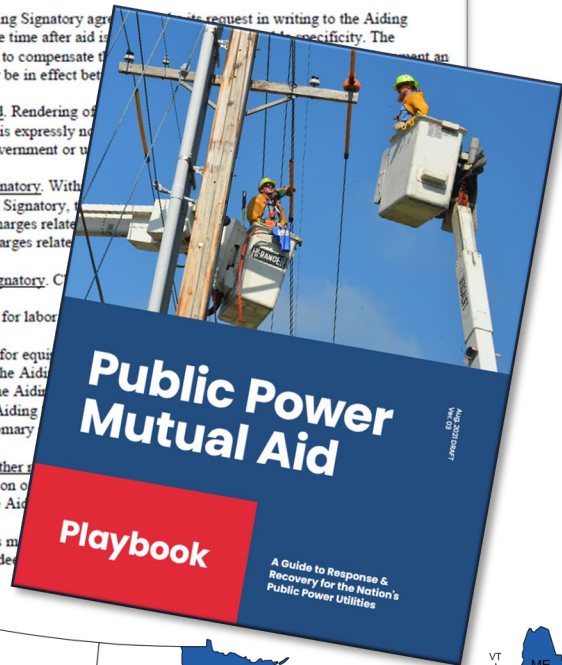
Discretionary rendering of aid. Rendering of aid is at the discretion of the Aiding Signatory. The agreement to render aid is expressly not intended to be invoked in an emergency by the federal government or its agencies.

Invoice to the Requesting Signatory. Within 30 days of the completion of the aid, the Aiding Signatory shall provide the Requesting Signatory an invoice of all charges related to the aid. The invoice shall contain only charges related to the aid.

Charges to the Requesting Signatory. Charges shall be as follows:

- a.) **Labor force.** Charges for labor shall be based on standard practices.
- b.) **Equipment.** Charges for equipment used by the Aiding Signatory for such equipment in the Aiding Signatory's possession.
- c.) **Transportation.** The Aiding Signatory shall provide reasonable and customary transportation.
- d.) **Meals, lodging and other expenses.** Charges for meals, lodging and other expenses related to the provision of aid shall be based on the actual costs incurred by the Aiding Signatory.

Counterparts. The Signatories may execute this Agreement with each counterpart being deemed to be a separate and distinct agreement.



Public Power Mutual Aid

• APPA/NRECA Mutual Aid Standard Agreement

- Municipal utilities have a robust nationwide mutual aid network. The last few storm seasons have seen nearly 30 states provide mutual aid to Florida public power utilities, totaling thousands of mutual aid resources helping to restore power.
- Signed by all Florida Public Power and all Florida coops
- Signed by more than 1,600 public power/coops nationwide
- Initially established in late 90s with input and guidance from FEMA

• Mutual Aid Assistance Compact

- Participants include all Florida's investor-owned and municipal electric utilities, FCG, FMEA and FMPA.
- Strengthened the provision of mutual aid assistance on a statewide basis between Florida investor-owned and municipal electric utilities.

Resiliency and Reliability Improvements

- Undergrounding distribution lines
- Using drones and infrared technology to inspect lines
- Self-healing technologies – tripsavers, automatic reclosures
- AMI and updating SCADA systems





Tree Trimming and Pole Inspections

- Pole Inspections done on 8-year cycle or less
 - Replacing poles with higher class; concrete; ductile iron
- Vegetation Management
 - Tree trimming done generally on three-year cycle
 - Tree heavy areas increasing setbacks

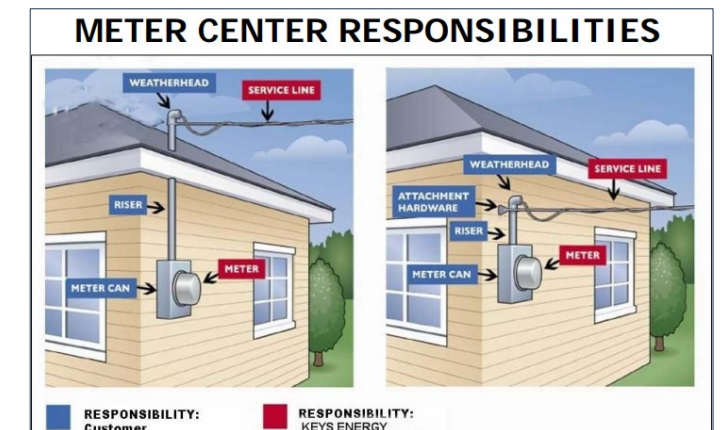
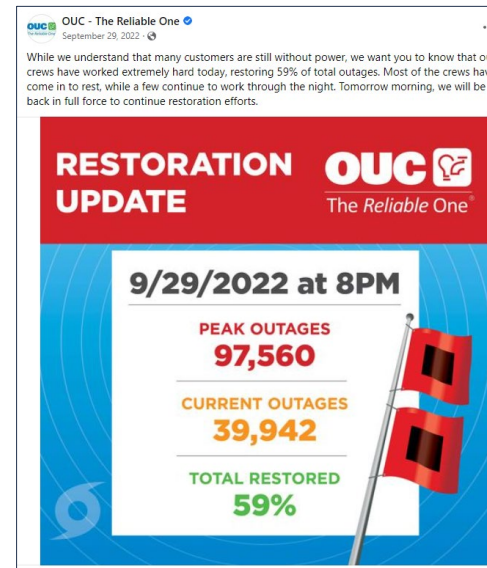
Hurricane Preparedness

- FMEA holds annual Hurricane and Storm Preparedness Workshop
- Held first ever statewide tabletop hurricane exercise
 - Included FDEM, PSC/EOC, DOE, FEMA
- FMEA participates in national mutual aid tabletop exercise
- Member utilities hold tabletops and simulated exercises – many are held city wide
- Member utilities are active with local EOCs – as entities of local government, our utilities are naturally aligned with their EOCs



Public Outreach and Communications

- Multiple channels/methods for customer communication
 - Member utilities and local governments issue pre-storm hurricane guides – emphasize safety and preparedness
 - Emergency communications/text alerts – before, during, after
 - Social media – before, during, after
 - Safety – generators, crews
 - Restoration processes/areas of priority
 - ETRs and Outage Updates



Communications – FMEA

- Daily update calls with member utilities to discuss situational awareness, mutual aid, other needs
- Daily calls with our national trade association, mutual aid committee and federal partners (DOE, ESCC)
- Hurricane and storm response website
 - Hurricane communications toolkit with ready made social media posts and graphics
 - Mutual aid guides and sample onboarding documents
 - FEMA resources and guides
- Assist member utilities with social media and outage updates
- Track social posts from external mutual aid partners



Lessons learned and potential obstacles

- Infrastructure improvements and storm hardening is improving reliability and causing fewer outages.
- Logistics are key!
 - Food - contracts in place in advance
 - Lodging – Hotels, community centers, schools – showers, cots
 - Laundry Consider community help
- Supply chain remains a concern, especially for multiple storms.



Questions?

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