

Public Power in Florida

Mutual Aid and Storm Readiness

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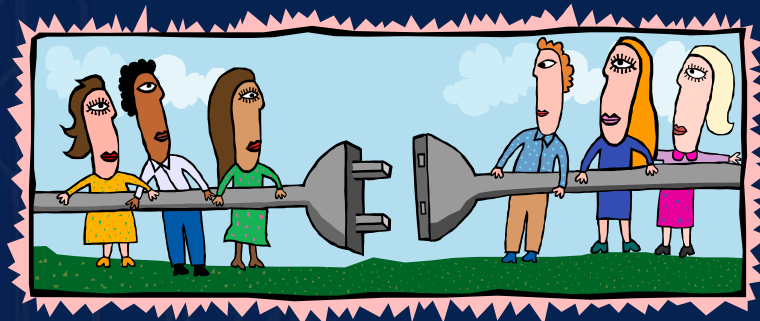
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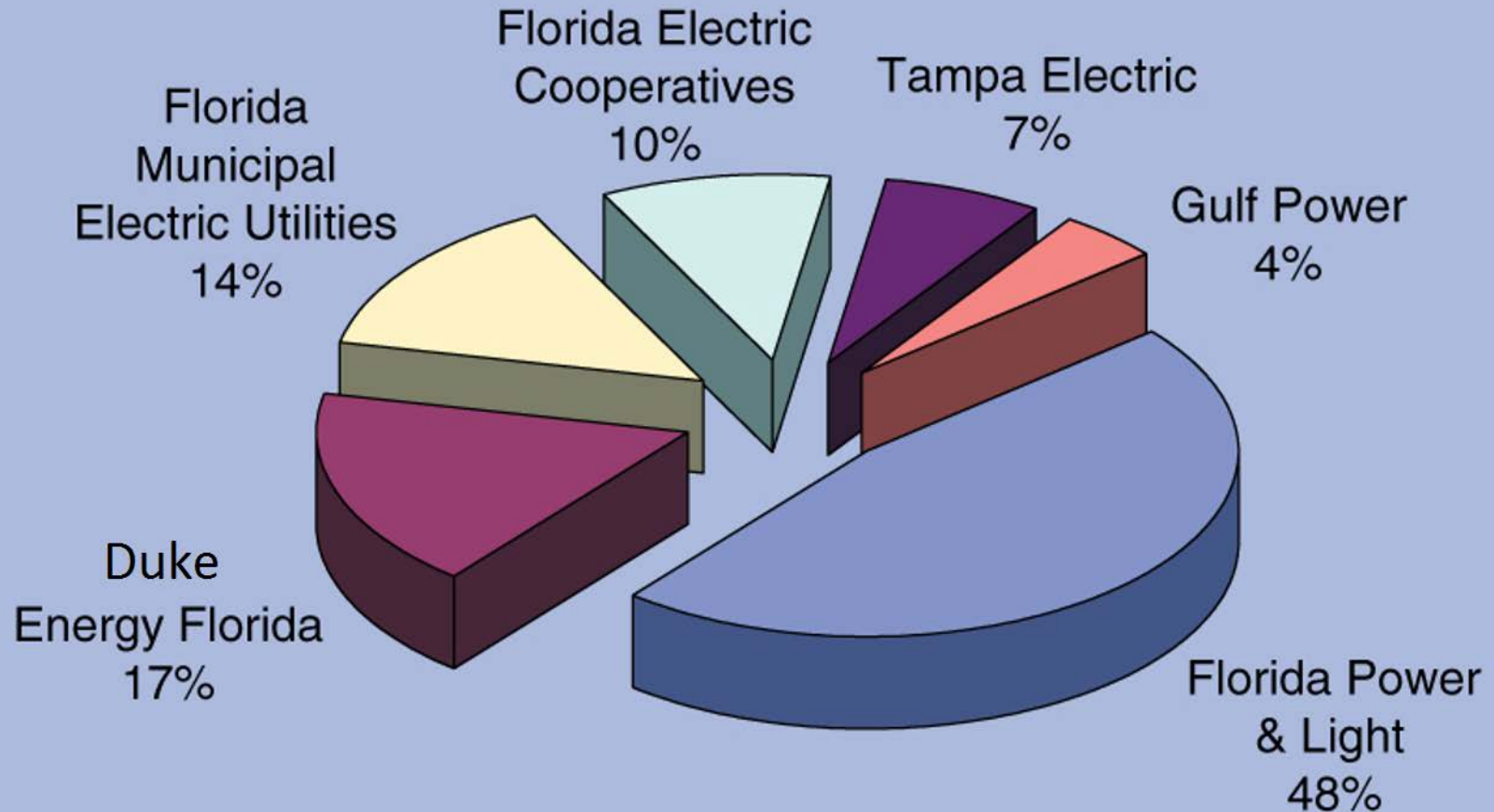
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Profile

- ◆ 34 municipal electric utilities
- ◆ 1.3 million customer meters
- ◆ 14% of Florida's population
- ◆ Large Utilities
 - JEA (Jacksonville): 404,000 customers
 - OUC (Orlando): 198,000 customers
 - Tallahassee: 113,000 customers
- ◆ Small Utilities
 - Moore Haven: 1,015 customers
- ◆ Combined, 3rd largest utility behind FPL and Duke Energy Florida



Florida Utilities' Market Share



Florida's Public Power Utilities



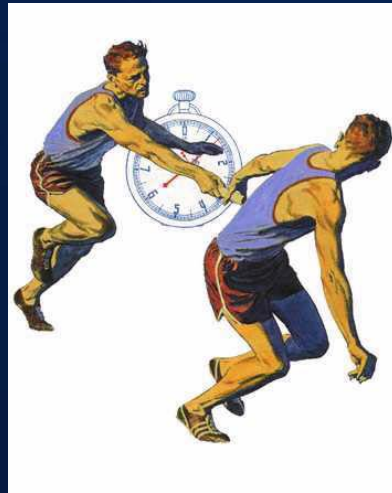
Power Supply

- ◆ How do the small utilities generate power?
 - They don't...
- ◆ Only 12 of 34 generate electricity
- ◆ Others purchase power from:
 - Florida Municipal Power Agency
 - 13 purchase all, 8 purchase some
 - Duke Energy Florida
 - Florida Power & Light
 - Other Municipals



Mutual Aid – Many Options

- ◆ **Florida mutual aid**
 - Updating statewide mutual aid agreement with ALL Florida electric utilities
- ◆ **Southeastern mutual aid**
- ◆ **National mutual aid**



Mutual Aid – By the Numbers

- ◆ **Florida mutual aid network**
 - 34 municipal electric utilities
 - 17 electric cooperatives
 - 5 investor-owned utilities
- ◆ **National mutual aid**
 - More than 2,000 municipal electric utilities
 - More than 800 electric cooperatives

Mutual Aid Agreements and Procedures

MUTUAL AID AGREEMENT

In 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:

- 1.) **Request for aid.** The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) **Discretionary rendering of aid.** Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) **Invoice to the Requesting Signatory.** Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) **Charges to the Requesting Signatory.** Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) **Labor force.** Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) **Equipment.** Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) **Transportation.** The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) **Meals, lodging and other related expenses.** Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) **Counterparts.** The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) **Execution.** Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date _____ Entity _____
By _____
Title _____

FMEA Mutual Aid Procedures

Mutual Aid Coordinators

FMEA provides mutual aid support to its members. The following are procedures to follow to both request and offer mutual aid services. Prior to, during, or after a major storm/hurricane, mutual aid coordinators will make arrangements for emergency assistance. Staff will work with you to either help you find crews or help you provide assistance to others. Prior to major storms, FMEA members are e-mailed a list of phone numbers to call for mutual aid assistance. The telephone numbers listed below are for cell phones that are on at all times.

Amy Zubaly:	(850) 251-6200	azubaly@publicpower.com
Cheryl Anderson:	(850) 251-5465	canderson@publicpower.com

Before the Storm

1. Check contact information. Make certain all of your utility contact information is correct in the FMEA Mutual Aid Directory.
2. Identify available crews. If the storm is NOT predicted to hit your area, and you have available crews, tell the coordinator how many crews you have available to assist others.

After the Storm

1. Call a coordinator after the storm. Request assistance and report your outage status.
2. Identify the types of work crews you may need. These include specialists in overhead, underground or transmission.
3. Identify the types of materials needed. For example, types of wire, connectors, cut outs and fuses.
4. Identify the types of equipment needed. This includes bucket trucks, digger derricks and chain saws.

Mutual aid coordinators will compile a list of needs for your community, then work with you to contact other electric utilities, both in-state and out-of-state.

Out-of-State Emergency Assistance

If you are requesting any assistance from an out-of-state utility or contractor, the State Department of Transportation requires that you call ESF-12 (State Emergency Operations Center) at (850) 921-0167 with the following information:

- Name of company traveling to Florida
- Number of vehicles
- Destination in Florida
- Your contact information

If you fail to supply this information, the trucks may be stopped at the border.

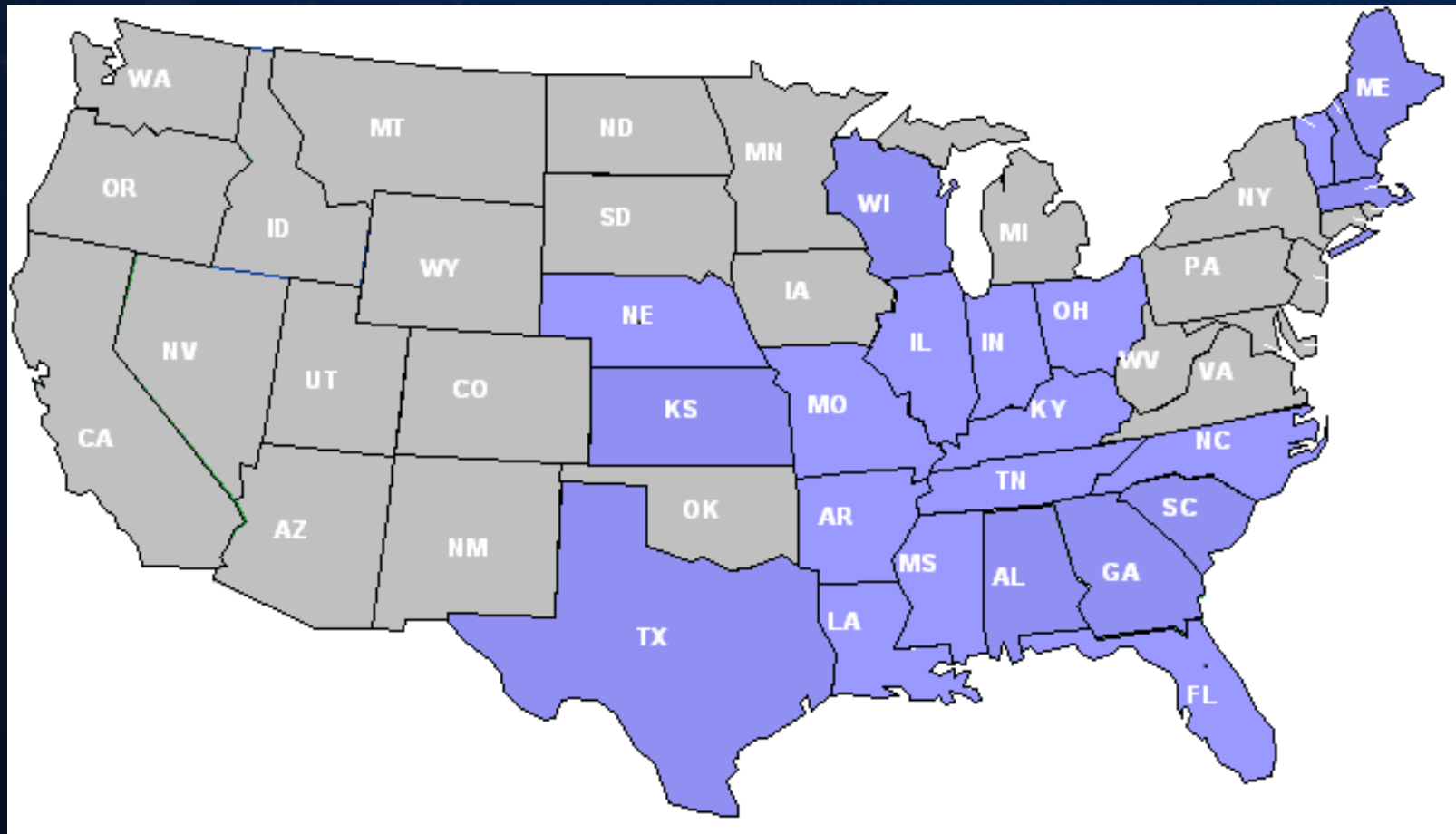
Providing Crews to Fellow Utilities

If after a storm you have crews available to assist others, call a mutual aid coordinator to offer your availability. Please identify your crews' capabilities, e.g., overhead, underground, transmission. Additionally, identify the type of equipment/trucks they can bring.

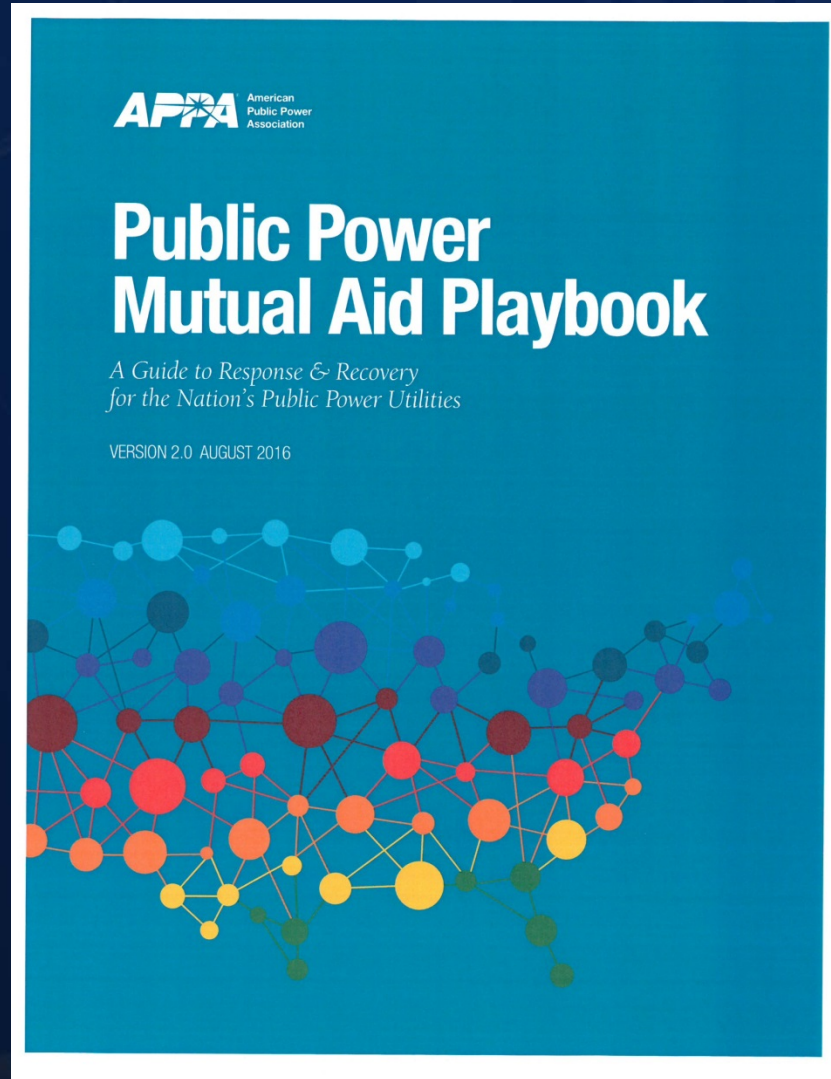
Directory Corrections and Changes

The FMEA Mutual Aid Directory is updated throughout the year and e-mailed to mutual aid coordinators and FMEA members throughout the hurricane season. Send Directory updates to: FMEA Office Manager Brenda Thompson, e-mail: bthompson@publicpower.com; phone: (850) 224-3314, ext. 3; or fax changes to (850) 222-0358.

Mutual Aid Has Come from Near & Far...



National Mutual Aid



National Mutual Aid

Level	Tier 1: Utility Coordinator	Tier 2: Network Coordinator	Tier 3: National Coordinator <i>(American Public Power Association)</i>
Steady State			
0 No outages	<ul style="list-style-type: none"> Update contact and resources lists and communicate periodically with network coordinator 	<ul style="list-style-type: none"> Compile contact and resources lists from utilities within network 	<ul style="list-style-type: none"> Maintain mutual aid playbook and listserv
1 Isolated event	<ul style="list-style-type: none"> Assess need, respond to event, and determine if escalation is needed 	<ul style="list-style-type: none"> None generally, but may assist with information as requested 	<ul style="list-style-type: none"> Maintain mutual aid playbook and listserv
Local/State Mutual Aid Activated			
2 Local/state event	<ul style="list-style-type: none"> Communicate needs and available resources to network coordinator and update periodically Manage response within their utility 	<ul style="list-style-type: none"> Monitor response May assist identifying available resources Inform APPA of response, potential needs, and if preemptive call is needed 	<ul style="list-style-type: none"> Monitor conditions for possible escalation Monitor response to inform federal agencies
Regional Mutual Aid Activated			
3 Regional event	<ul style="list-style-type: none"> Communicate needs and available resources to network coordinator Periodic updates of needs and resources as response proceeds 	<ul style="list-style-type: none"> Assist identification of available resources May work with other network coordinators to mobilize needed resources 	<ul style="list-style-type: none"> Host preemptive call with affected network coordinators Monitor response to inform federal agencies
National Mutual Aid Activated			
4 National event	<ul style="list-style-type: none"> Communicate needs and available resources to network coordinator Multiple daily updates of needs and resources as response proceeds Manage local response 	<ul style="list-style-type: none"> Assist identification of available resources Work with other network coordinators and APPA to mobilize needed resources 	<ul style="list-style-type: none"> Available to coordinate response Inform federal agencies

Preparation

- ◆ FMEA conducts pre-season preparation briefings with members
- ◆ Individual utilities conduct exercises, briefings and meetings to discuss their preparation
- ◆ Key feature: Municipal electric utilities coordinate with all city departments
- ◆ Table Top Exercises



Pole Replacement

- ◆ All municipal utilities have completed the first round of their 8-year inspection cycle.
- ◆ Since 2007, pole replacement has been in the range of 2-10%



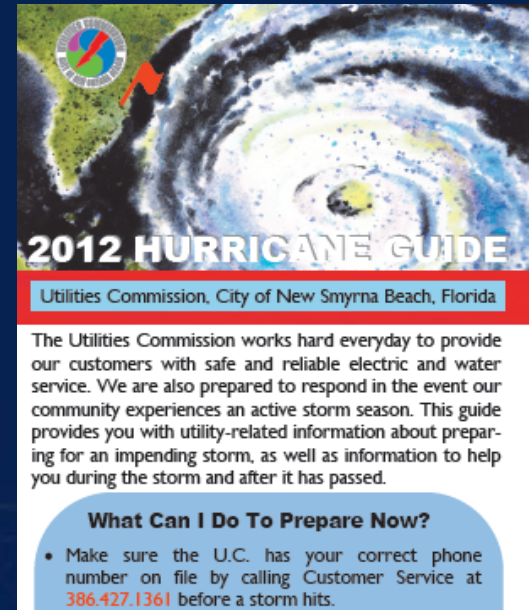
Vegetation Management

- ◆ FMEA members generally on a 3-year trim cycle
- ◆ Our local governing boards and customers seek the improved aesthetics and reliability from a 3-year cycle



Public Outreach

- ◆ Prior to hurricane season most municipal electric utilities issue storm preparation guides
 - Available in print, distributed in bills, on websites
- ◆ Pre-storm presentations at public forums emphasizing preparedness and personal responsibility



Communication

- ◆ **Press Releases, Websites**
- ◆ **Increased use of social media**
 - ◆ Preparedness
 - ◆ Safety awareness
 - ◆ Post storm responses
 - ◆ Customer communications
- ◆ **Emergency Communications**
 - ◆ ECN, Code Red, Robo Calls
- ◆ **Areas of restoration and ETR**



Priority Restoration

- ◆ **Generating facilities**
- ◆ **Transmission and Substations**
- ◆ **Working with County EOC**
 - **Water Treatment facilities**
 - **Emergency services**
 - **Medical facilities**
 - **Other essential services**



Critical Infrastructure

- ◆ **Problem areas**
 - None identified at this time
- ◆ **Plans**
 - Continuous improvement
 - Continuing overhead conversion to underground
 - Winter Park
 - Jacksonville Beach

