



2022 HURRICANE & STORM PREPAREDNESS FORUM

Wednesday, May 18, 2022 • Gainesville, FL



FMEA Hurricane Forum

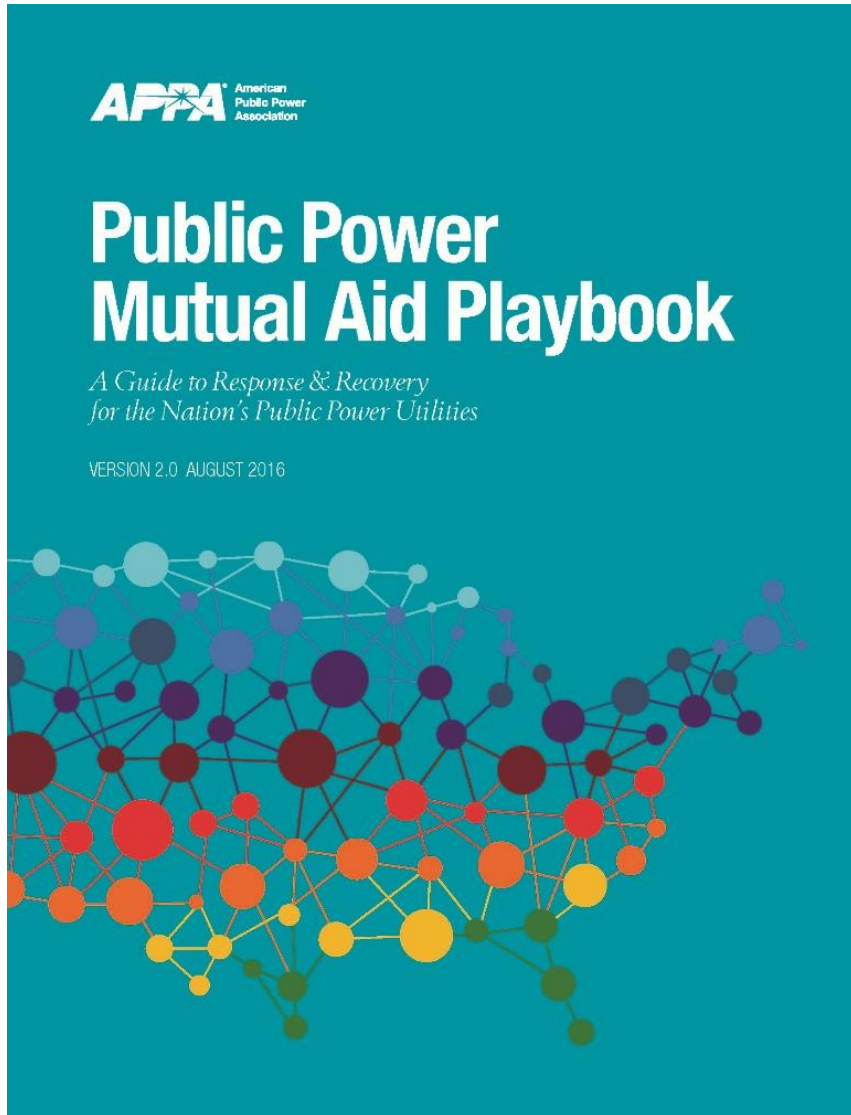
Amy Zubaly
Executive Director





Florida Public Power

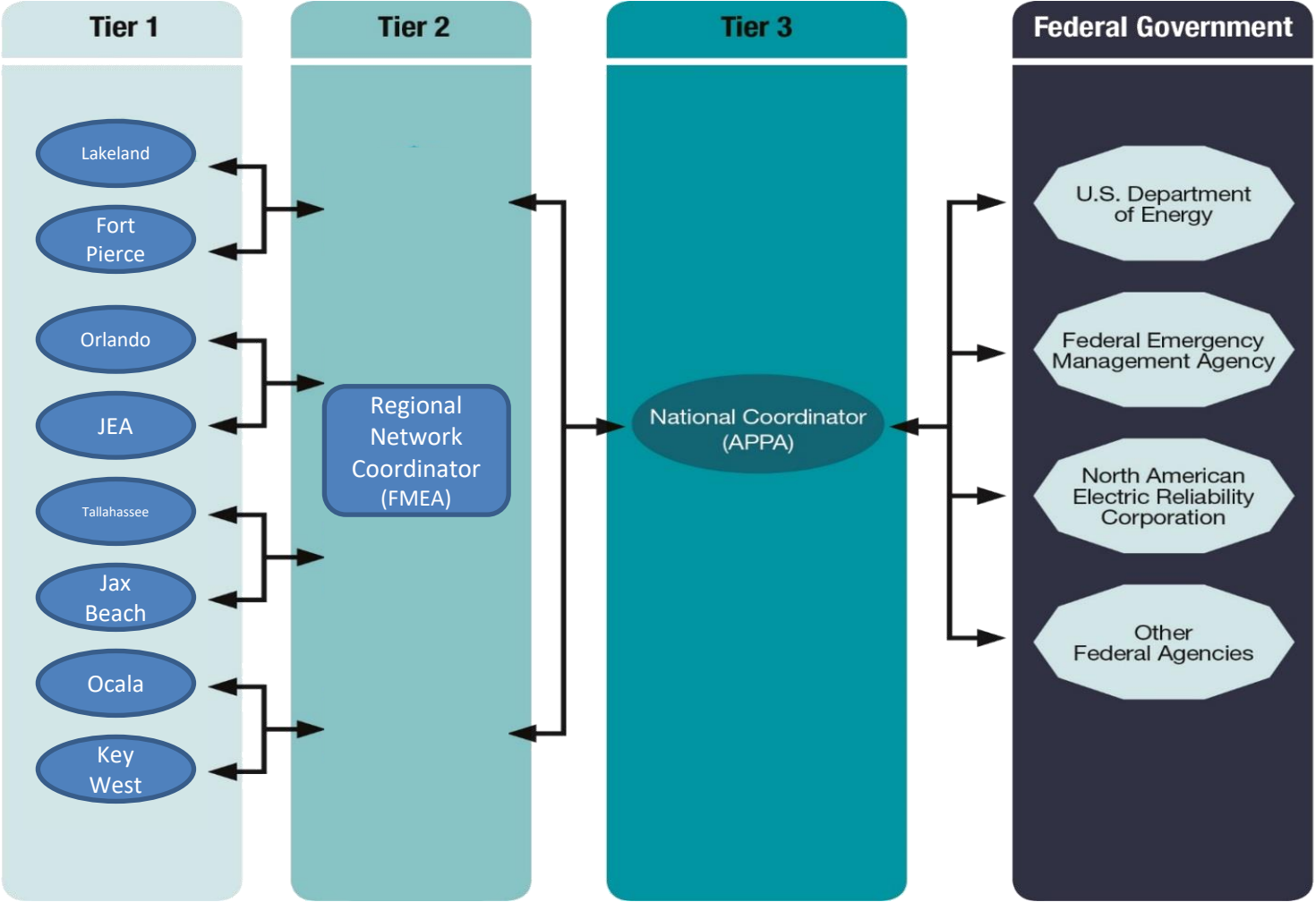
- 33 municipal electric utilities
- 1.5 million customer meters - ~3 million Floridians
- 14% of Florida's population
- Large Utilities
 - JEA (Jacksonville): 500,000 customers
 - OUC (Orlando): 266,000 customers
 - Tallahassee: 126,000 customers
- Small Utilities
 - Moore Haven: 1,015 customers
 - Chattahoochee: 1,135 customers



Public Power Mutual Aid

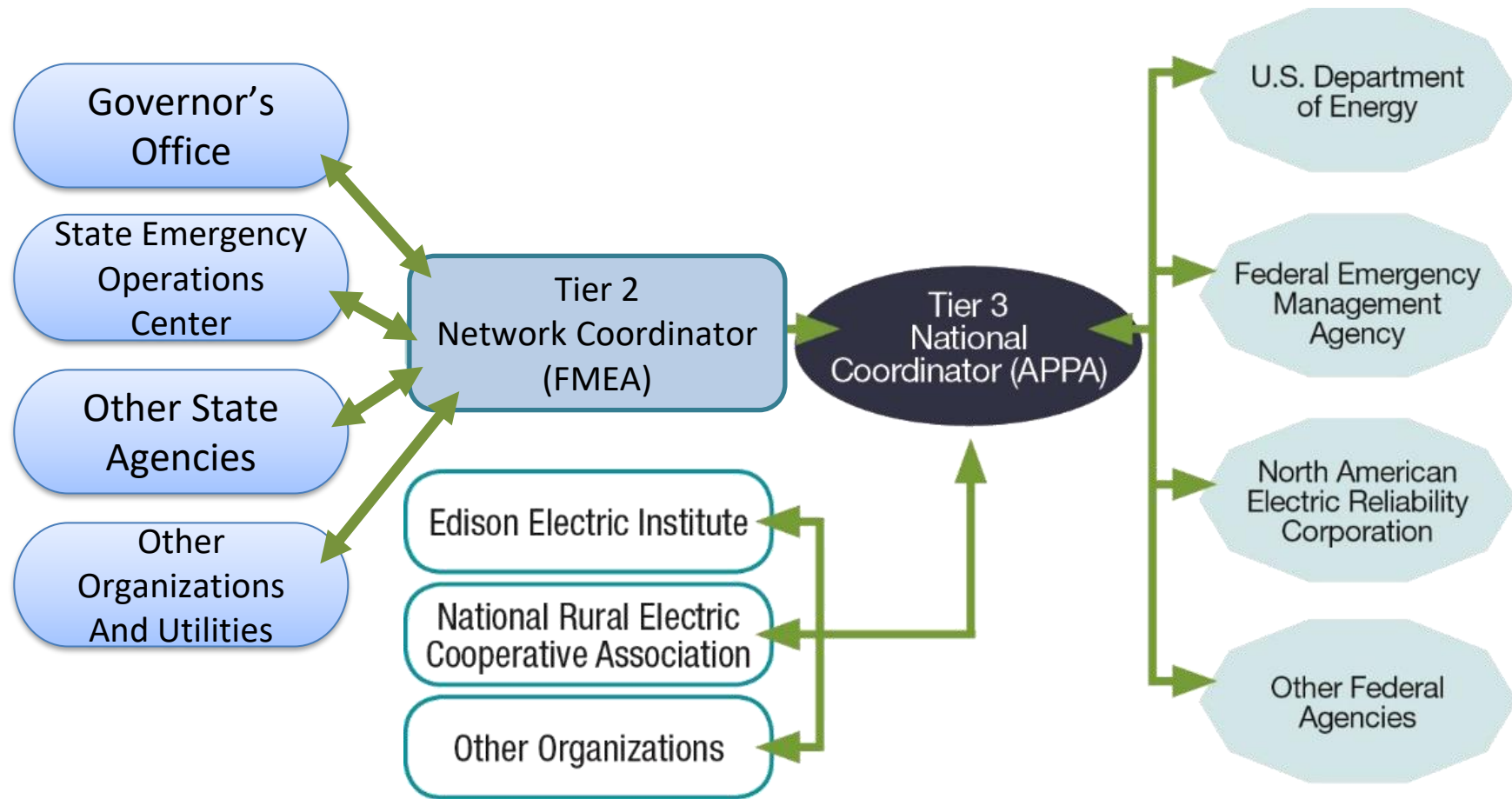
- APPA Mutual Aid Working Group
- Network Coordinators identified in each state or region
- Meet in-person
 - Share best practices
 - Table-top workshops

Public Power Mutual Aid Network



Public Power Mutual Aid

Process and Procedures



APPA MAWG Google Doc

State	Utility\JAA	Availability	Total Personnel	Where they are going/scheduled/deployed	# of Damage Assessors	Transmission Crews	Distribution Crews
Deployed	Scheduled to Deploy	Ready to Deploy	Released from Mutual Aid	Deployed to IOU or Coop			
Contacts:	Greg Labbe, LUS: Jason Miller, LUS:						
AL	Riviera/ECA	Pending	TBD				
AL	Dothan/ECA	Available	8				8 crew members w
AL	Andalusia/ECA	Available	6				3 lineman and 3 gr
AL	Cullman/ECA	Pending	TBD	Ruston, LA requested 4 line crews on standby.			
AL	Opelika/ECA	Available for AL MA					
AL	Troy/ECA	Available	TBD	New Roads, LA requested 2 line crews on standby.			
FL	Tallahassee	Deployed	11	LUS /Houma			2 4-man and 2 ser
FL	JEA	Released	29	LUS for Monday arrival			4 6-man crews and
FL	Lakeland	Released	12	LUS for Monday arrival			2 4-man and 2 ser
FL	Orlando	Released	12	LUS for Monday arrival			2 5-man crews
FL	Kissimmee	Released	10	LUS for Monday arrival			2 5-man crews
FL	Fort Pierce	Deployed/being released 9/	5	Plaquemine, LA			1 3-man and 1 2-m
FL	New Smyrna Beach	Deployed/being released 9/	6	Plaquemine, LA			1 4-man crew
GA	LaGrange	Released	7	Kaplan, LA			1 4-man line crew.
GA	Acworth	Released	2	Abbeville, La arriving Saturday			1 2-man crew
GA	Griffin	Deployed	4	Morgan City, LA			1 4-man crew
GA	Callhoun	Deployed	9	Morgan City, LA			1 7-man line crew.



State Outage Reporting

5am, 8am, 11am, 2pm, 5pm, 8pm Mandatory!



Report an Outage for Your Company

✓ Provider and County	Current Number Out	Current Unable to Receive Power	Outage Percentage	Percent With	Number of Customers	Estimated Restore Time
✎ Chattahoochee Electric - GADSDEN	0		0.00%	100.00%	1,135	TBD
City of Blountstown - CALHOUN	0		0.00%	100.00%	1,319	TBD
City of Clewiston - HENDRY	0		0.00%	100.00%	4,177	TBD
City of Bushnell - SUMTER	0		0.00%	100.00%	1,639	TBD
City of Alachua - ALACHUA	0		0.00%	100.00%	4,506	TBD
City of Bartow - POLK	0		0.00%	100.00%	12,074	TBD
City of Newberry - ALACHUA	0		0.00%	100.00%	2,342	TBD
City of Moore Haven - GLADES	0		0.00%	100.00%	1,012	TBD
City of Quincy - GADSDEN	0		0.00%	100.00%	4,768	TBD
City of Fort Meade - POLK	0		0.00%	100.00%	3,000	TBD
City of Starke - BRADFORD	0		0.00%	100.00%	2,792	TBD
City of Mount Dora - LAKE	0		0.00%	100.00%	6,110	TBD
City of Havana - GADSDEN	0		0.00%	100.00%	1,455	TBD
City of Leesburg - LAKE	0		0.00%	100.00%	27,629	TBD
City of Tallahassee - LEON	0		0.00%	100.00%	126,309	TBD



- TBD
- <24
- 24
- 48
- 72
- >72
- >5 days
- Rebuild
- Restored

Source: Florida Emergency Operations Center

State Outage Reporting

5am, 8am, 11am, 2pm, 5pm, 8pm
(Reports come out 1 hour after)

mutualaid@flpublicpower.com

2021 Hurricane Season



FMEA IS YOUR MUTUAL AID COORDINATOR

- If Florida is under potential threat of storm, FMEA will begin sending storm monitoring emails
- Let FMEA know if you want to prestage crews
 - Standby vs Request
- Once Florida is locked in storm cone and there is threat to FMEA members, FMEA will hold daily mutual aid calls

Lessons Learned – Requesting Resources

- Pre-planning, depending on storm and impact zone, is imperative
- **You may not get your request # crews**
- Request and standby are two different things
- **Once request is in and crews are assigned, you are financially obligated**
- Consider travel times
- **What if crews are not needed?**

Lessons Learned – Requesting Resources

- **Provide Assisting Utility:**
 - Primary contact, road/circuit map, description of work
 - Necessary safety instructions and equipment
 - 3 meals a day, lodging, laundry, fuel and oil
- **Consider other types of mutual aid**
 - **Substation techs, assessors, engineers**
- **Release crews once assistance is no longer needed**
 - Let FMEA know first to reassign in case others are in need!!
- **Reimburse expenses incurred by Assisting Utility in timely manner**



Lessons Learned – Requesting Resources

- **Logistics are key!!!**
 - **Do you have a catering contract in place?**
 - **Are they self-sufficient? (Do they need electricity?)**
 - **Lodging**
 - **Hotels**
 - **Community centers, schools, churches – cots**
 - **Consider evacuees and shelters**
 - **Plan for worst case**
 - **What if you bring in 5x your crew size? Or more?**



Lessons Learned – Sending Resources

- Be prepared for worst-case scenario
- **Some may have never used mutual aid before**
- Back-up fuel
- **Lodging may be destroyed/limited**
- Food may be limited
- **Make sure crews have credit card/cash**
- Bring sleeping bag, pillow, towel
- **Law enforcement**





It's On!

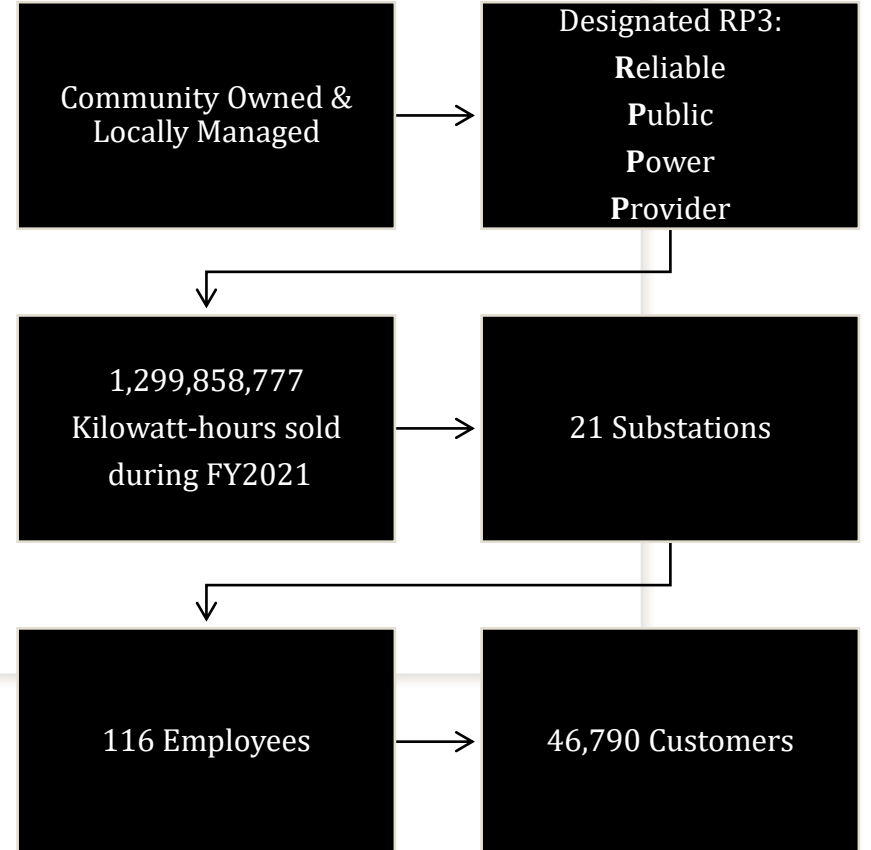


Ocala Electric Utility

Public Power Mutual Aid Processes and Activation

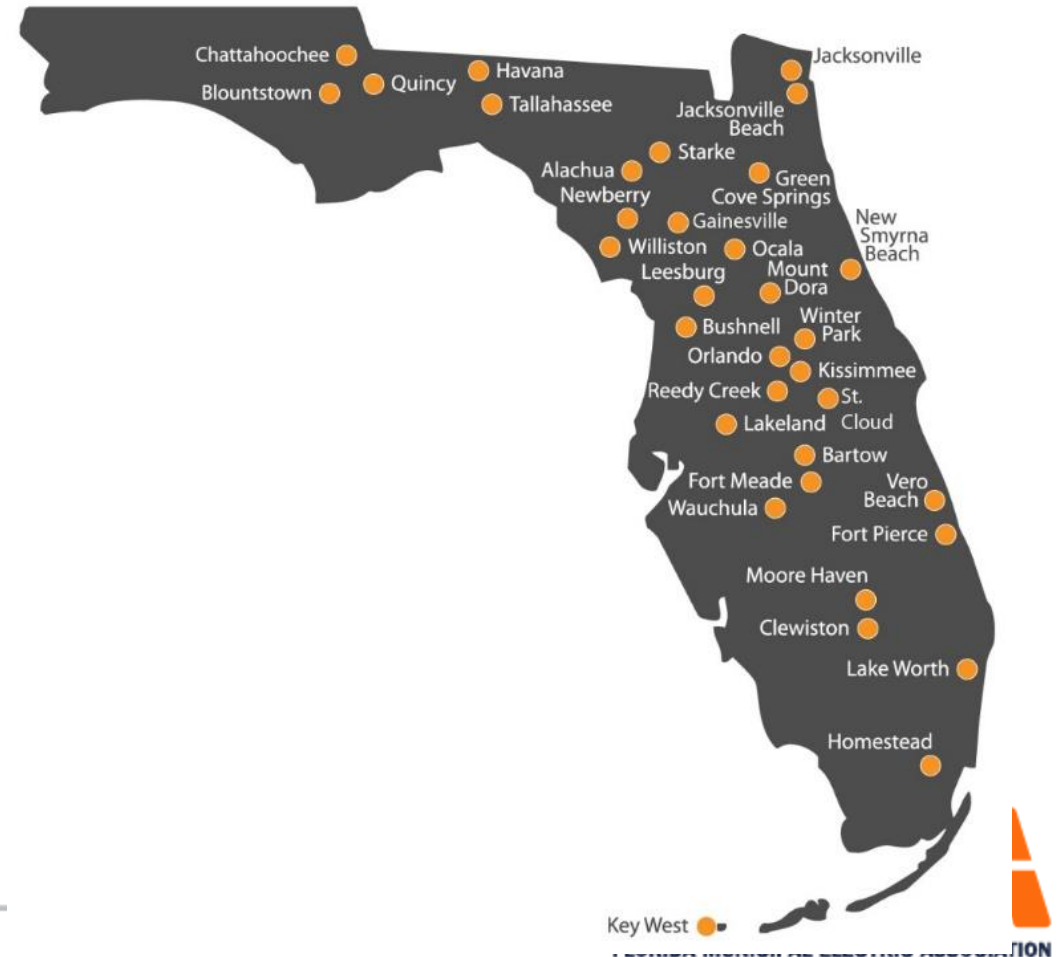
Chris Henry
Supervisor, Transmission &
Distribution, OEU





Where does MUTUAL Aid begin?

- Preparation is Key!
- Questions we will cover:
 - How do you know when you will need mutual aid?
 - When to pull the trigger for mutual aid?
 - If the storm is not going to impact your utility and you have crews available to assist, what do you do?



Hurricanes – things to consider prior to storm

- How to estimate the number of crews needed?
- What type of crews will you need (construction buckets, service trucks, transmission)?
- How to estimate for possible damage?
- What mutual aid forms do you need to prepare?

- **Consider also:**
 - Safety Briefings
 - Arriving Utility Requirements
 - COVID Precautions – if applicable
 - Misc. Limitations
 - Room Requirements





Hurricane Irma 2017

- 41,698 customers out of power (out of approximately 52,000 customers)
- About 90 percent of our system down; worst storm since 1996.
- 12 Utilities were activated to OEU for mutual aid, cost was \$1.39 million.
- OEU doubled our utility size from 52 to over 100-line workers
- 30 extra tree trimmers



PRIOR TO STORM – Continued

- Make sure all Mutual Aid contracts/contacts are current and up to date.
- Acquire any extra stock. We as a rule (when available) have larger stock during storm season.
- Make sure all Emergency Response Procedures are in place: food, housing, staging areas, fuel.

If all resources are strained or not available, what is the plan?

When to contact FMEA?

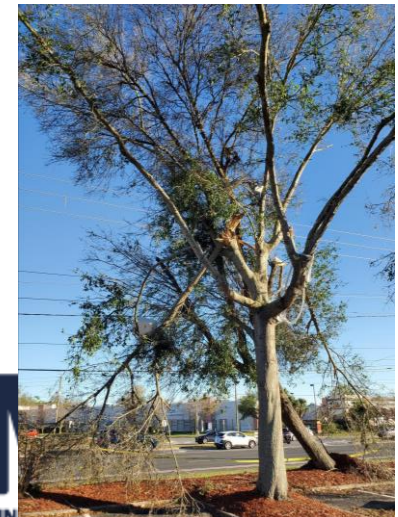
**Call Amy Zubaly with request:
how many crews and what type.**

1. Get contact information of crews that will be assisting you.
2. Coordinate with those crews on logistics, rosters and staging. (It is important to have logistics on your end in place before contacting mutual crews.)
3. Discuss lodging needs and any COVID or additional safety polices the Utility may require.
4. Ideal to receive rosters prior to Mutual Aid arriving.
5. Take pics of personnel and equipment



DURING THE STORM

- DOCUMENT, DOCUMENT, DOCUMENT!
- Pictures are your friend.





SENDING Mutual aid

- If mutual aid is requested by another Utility, FMEA will send out an email asking if you have crews available to be activated.
- Contact FMEA with the availability of crews and equipment you can send.
- Again, make a roster on mutual aid forms with all contact numbers, position of crew members, equipment numbers. Pics are always helpful.

Responding Utility Name	Address				
Gainesville Regional Utilities	4747 N Main Street Gainesville, FL 32609				
Home Office Contact Person(s)	Title	Office #	Cell #	Fax #	email
Eric Harris	T&D Manager				harrised@gru.com
Shian Sparks	Mutual Aid Liasion				sparkssa@gru.com
Accounting/Financial Contact(s)	Title	Office #	Cell #	Fax #	email
Sharon Causey	Analyst Sr				causeysy@gru.com
Traveling Foreman / Superintendent	Title	Office #	Cell #	Fax #	email
Ray Jordan	Operations Mgr				jordanrp@gru.com
Gary Sutton	Operations Mgr				suttongw@gru.com

Destination	Ocala, FL
Deployment Date	4/2/2022
Deployment Time	16:20

Crew General Information	Number	Equipment	Number
Total number of people traveling	10	# Line Trucks	4
Crew Size (# people per crew)	4	# Service Trucks	
# of Line Crews	2	# Digger Derricks	2
# of Service Crews	0	# Tree Trimming	
# of Tree Crews	0	# Pick Up Trucks	2
		Other	2
		Other	

Administrative Overhead Rate	
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Employee Last Name	Employee First Name	Cell #	Storm Role/Title (ex. Foreman, Journeyman, Mechanic, etc.)	Hourly Billable Rate	Vehicle Type	Vehicle ID	Vehicle Rate or FEMA Cost Code	Requires Lodging (Y/N)
Jordan	Ray		Manager	55.4023 (ST)	3/4 Ton Pickup	U1906	8809	N
Sutton	Gary		Manager	50.7121 (ST)	1/2 Ton Pickup 4X4	U1875	8808	N
Moore	Alvin		Lineworker	65.7942	55' Material Handler	U1652	8703/8487	N
Fagan	Kyle		Lead Lineworker	62.6611	55' Material Handler	U1752	8703/8487	N
Neiss	Aaron		Apprentice	39.6462	55' Material Handler	U2103	8703/8487	N
Mincey	Brandon		Apprentice	29.8557	55' Material Handler	U2042	8703/8487	N
Brooks	Gene		Lead Lineworker	67.6101	Digger Derrick/Pole Trailer	U2036/U0270	8703/8711	N
Morrow	Chris		Lineworker	55.6312	Digger Derrick/Pole Trailer	U1846/U1138	8703/8711	N
Dickerson	Justin		Lineworker	47.1064				N
Austin	Jamie		Lineworker	65.7942				N





It's On!