


FlaWARN's response to Hurricanes Ian, Idalia and the Ft. Lauderdale April 2023 Rain Bomb


FlaWARN Regional Meetings 2024: SE Region
 March 19, 2024
 Boca Raton, FL

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How do Florida's Water and Wastewater Utilities respond to Florida emergencies?



Hurricane Jeanne's track in 2004


- The Florida Water/Wastewater Agency Response Network (FlaWARN) is the primary way water sector responds to emergencies and recently global supply chain issues during blue skies.
- Formalized mutual aid response utility network.
- When part of the state is impacted, other areas in state respond with aid, "Utilities helping Utilities, Friends helping Friends."
- Created in April 2005 as a result of the devastating impact that Hurricanes Charlie, Frances, Jeanne, and Ivan had in 2004.

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Mutual Aid Agreements (MAAs)

PLEASE DON'T LET THIS BE YOUR MAA SIGNING CEREMONY LOCATION!



MUTUAL AID AGREEMENT FOR WATER/WASTEWATER

ARTICLE I: PURPOSE
 The Water/Wastewater Mutual Aid Program was established to provide a method whereby water/wastewater utilities suffering physical damage from natural or man made disasters could obtain emergency assistance, in the form of personnel, equipment, and materials and other associated services necessary, from other water/wastewater utilities. The purpose of this Agreement is to formally document such program.

- Signing a MAA on the bed of a pickup truck at midnight is not the optimal process.
- Please consider signing one today if your utility has not.
- FlaWARN currently on MAA Outreach Campaign.

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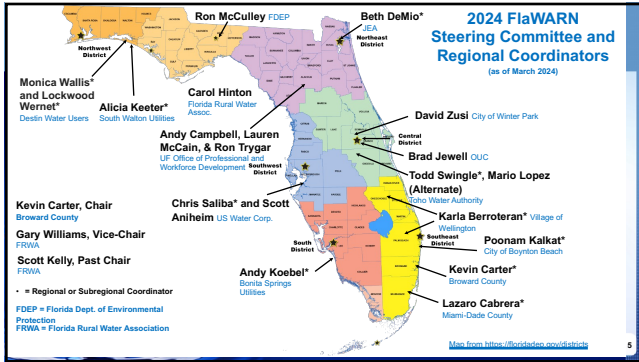


Many thanks to Scott Kelly and Gary Williams for an incredible 18 years as the dynamic duo!

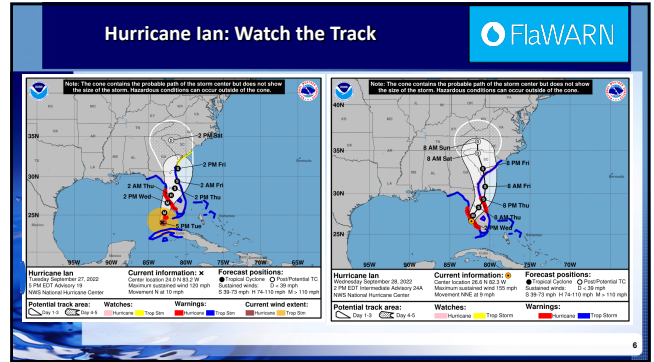


- Scott 'broke the mold' as FlaWARN Chair for his leadership, coordination, logistical planning and vision for FlaWARN for 18 years! He remains as Past Chair (and the new chair is very happy about that!).
- Gary worked side by side with Scott and also has a 'broke the mold' legacy and we are glad he is staying on as Vice Chair for at least another year or two (current chair very happy!).
- Carol Hinton was the FlaWARN administrator for most of those 18 years with University of Florida and came out of retirement to lead us again within Florida Rural Water Association (again current chair very happy!).

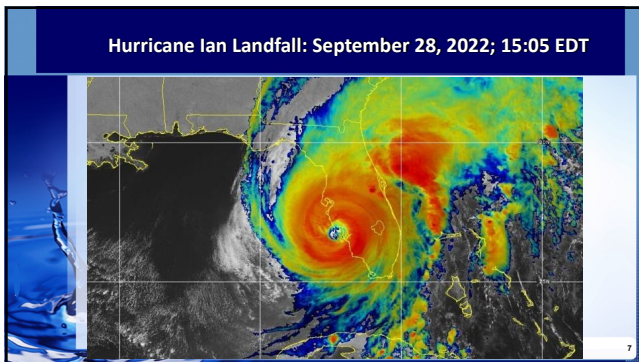
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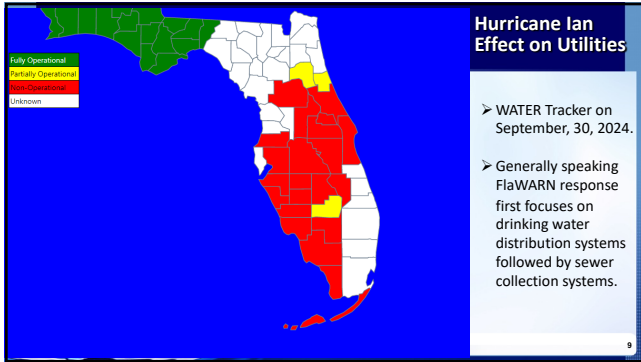
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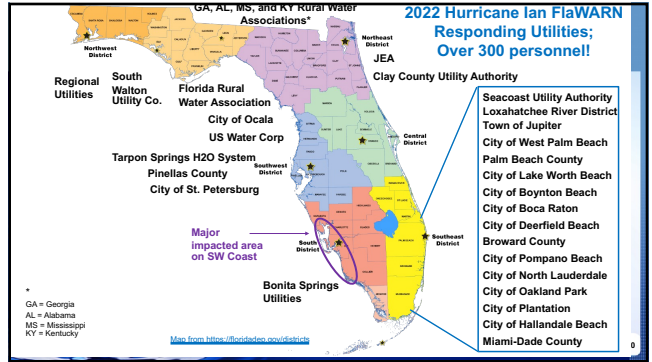
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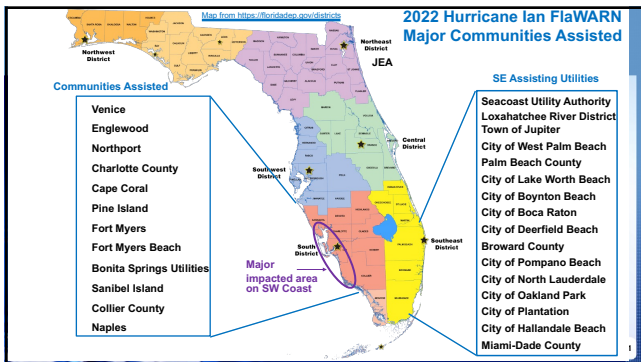
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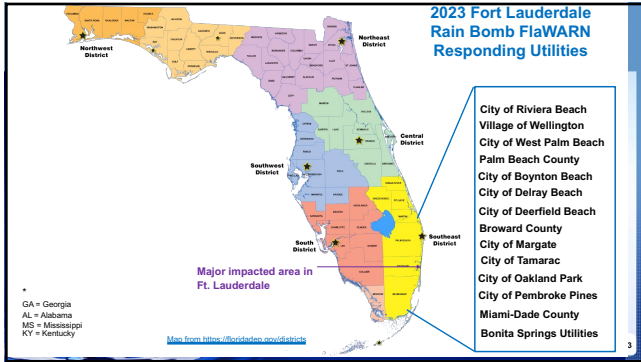
FlaWARN's Water Heroes Helping Southwest Communities Bring Back Life's Most Important Resource – Water!

The City of Pompano Beach Hurricane Ian response team onsite and bringing back water to the community.

The Miami-Dade County Hurricane Ian response team ready to roll to Ft Myers Beach!

Ft. Myers Beach shows their appreciation for Miami-Dade County Hurricane Ian response!

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Fort Lauderdale April 2023 'Rain Bomb' Success!

FlaWARN

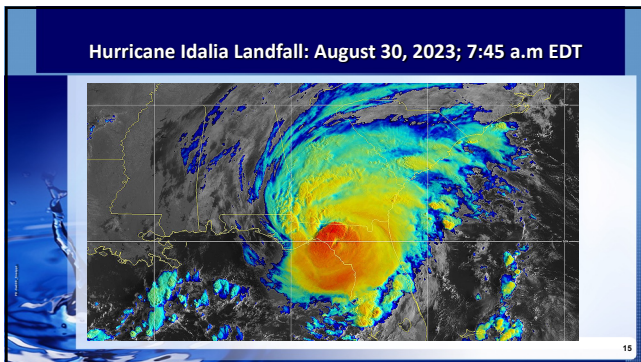
Conditions on Saturday April 15th, 3 days after event.

Conditions on Wednesday April 19th, one week after event.

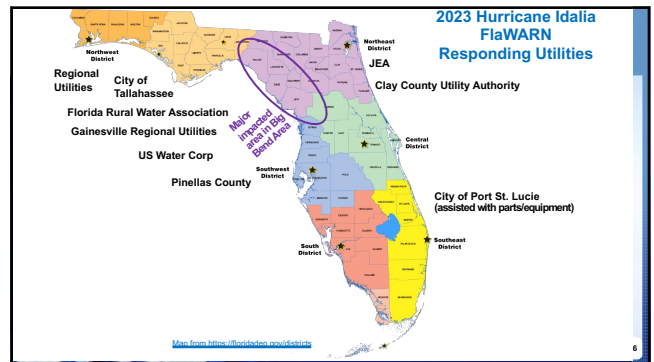
City of Boynton Beach Team Member

Photos from Poonam Kalkat and City of Boynton Beach Team Members

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FlaWARN's Water Heroes Helping Big Bend Area Communities Bring Back Life's Most Important Resource – Water!

Gaineville Regional Utilities (GRU) helping the Big Bend Area Communities get back on their feet with Lift Station Panel work.

GRU and Florida Rural Water Association working together in the Suwanee, FL community.

Cedar Key's Lift Panels get a "lift" from the Regional Utilities response team.

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FlaWARN: Areas of growth

US Army Corps Generators headed to Guam after Typhoon Mawar

- Are there ways to optimize personnel and/or resource deployment among FlaWARN utilities?
 - More WATER Tracker* training (please make sure your information and passwords are up to date)
 - More outreach to non FlaWARN members and utilities with no MAAs.
 - Training on how to receive assistance.
 - Potential to share rental hauling vehicles.
 - Regional exercises.

* <https://flwatertracker.com/>

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FlaWARN: Areas of growth (cont.)

US Army Corps Generators headed to Guam after Typhoon Mawar

- Are there ways to optimize personnel and/or resource deployment among FlaWARN utilities?
 - Potential for strike team development; still conceptual (thank you Lisa Wilson-Davis, Boca Raton for this idea.)
 - Continue work on fully describing needs and resources to match needs (e.g., what size generator instead "we need generators.")
 - Other training and education opportunities (e.g., Incident Command System, ICS)
 - International aid (e.g., Operators Without Borders* example the need in Bahamas post Hurricane Dorian).

* <https://flwatertracker.com/>

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Conversations Lead to Solutions – Let's Talk! Time For Discussion

FlaWARN Water Heroes Response Success!

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