

*Office of Emergency Management*

# 2024 Hurricane Season Preview



**June 04, 2024**



# Presentation Overview

- 2023 Season in Review
- 2024 Season Outlook
- EOC Renovation
- County Season Preparedness
- Hurricane Season Enhancements
  - Public Works
  - Orange County Utilities
- Conclusion

**HURRICANE  
SEASON  
IS HERE.**

A graphic with a blue sky and white clouds over a beach. The text "HURRICANE SEASON IS HERE." is written in large, bold, white capital letters. Below the text, the question "Are you prepared?" is written in a smaller, white, cursive font.

*Are you prepared?*

**Emergency Preparedness  
Checklist**

A graphic showing a yellow pencil resting on a white document titled "Emergency Preparedness Checklist". The document has a blue header with the text "TORNADO - FLASHFLOOD -". Below the title, there is some smaller text, including "the next time disaster strikes, you may not have much time to".



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# 2023 Season In Review

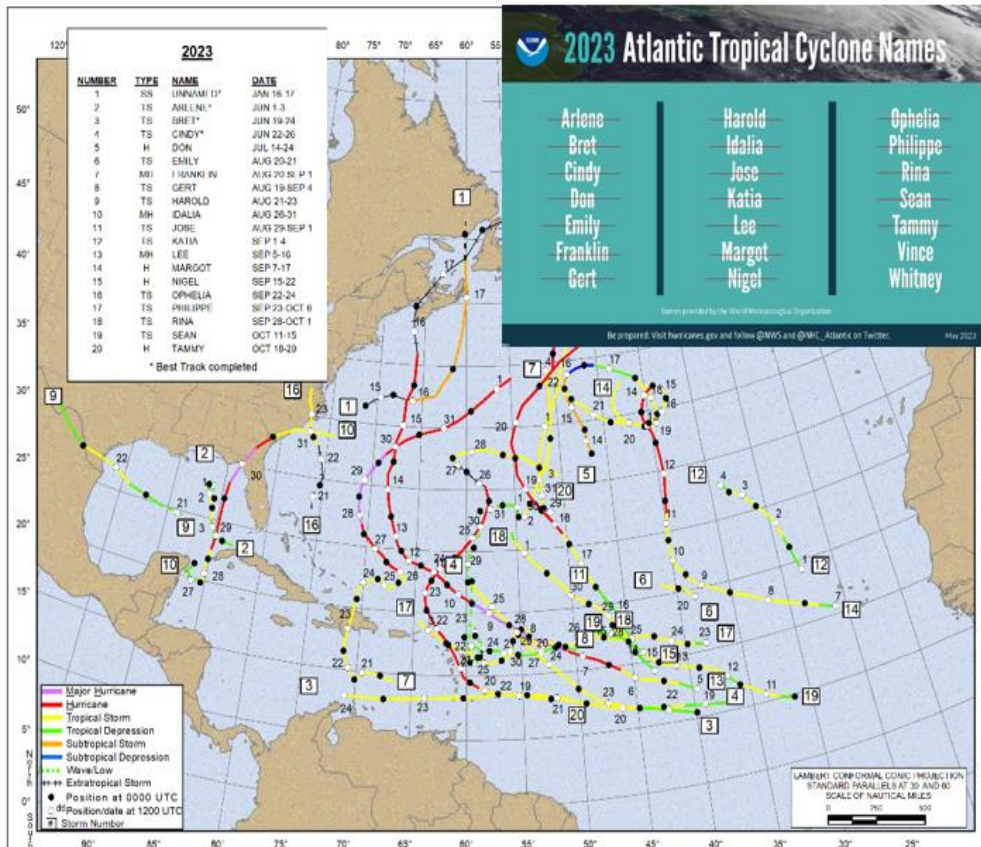
## 2023...

### 19 Named Storms



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Melbourne Florida



Named Storms  
**19** - *above average*

Hurricanes  
**7** - *average*

Major Hurricanes  
**3** - *average*



# Presentation Overview

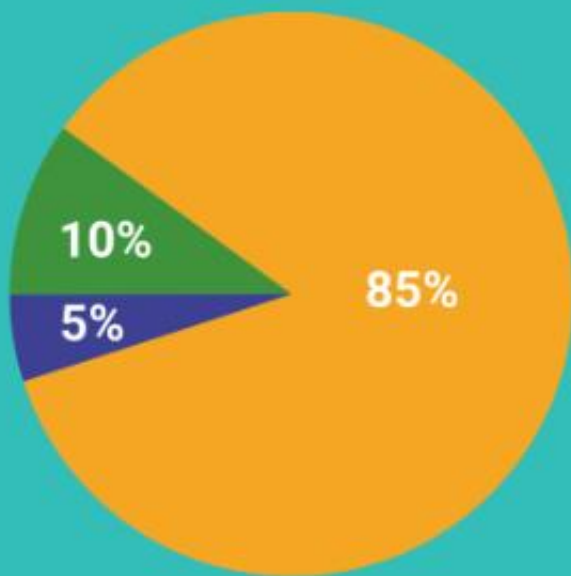
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# 2024 Season Outlook



## 2024 Atlantic Hurricane Season Outlook



■ Above normal   ■ Near normal   ■ Below normal

Season probability

Named storms

17 - 25

Hurricanes

8 - 13

Major hurricanes

4 - 7

Be prepared: Visit [hurricanes.gov](https://hurricanes.gov) and follow @NWS and @NHC\_Atlantic on X.

May 2024



# 2024 Season Outlook

## A Look Ahead

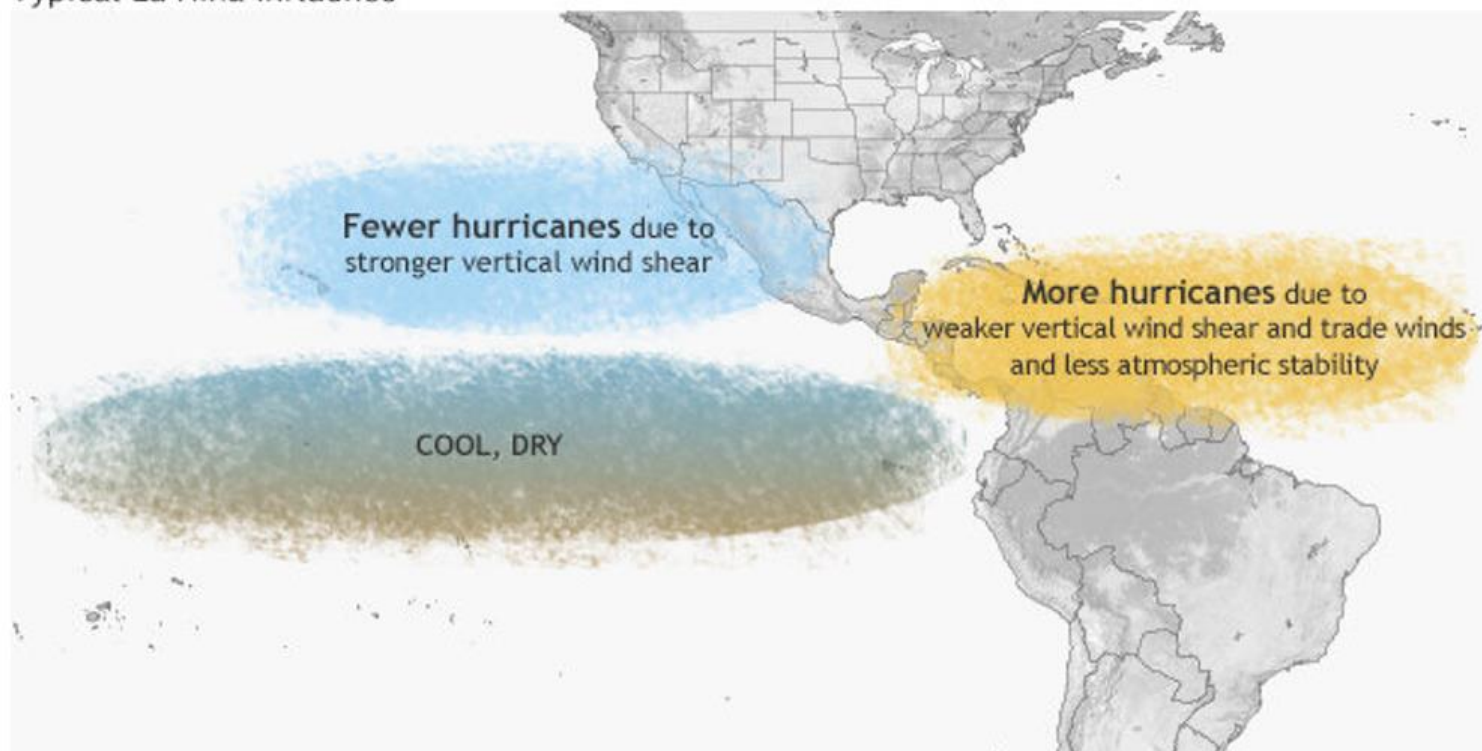
### Hurricane Season



WEATHER FORECAST OFFICE

Melbourne Florida

Typical La Niña influence





# 2024 Season Outlook

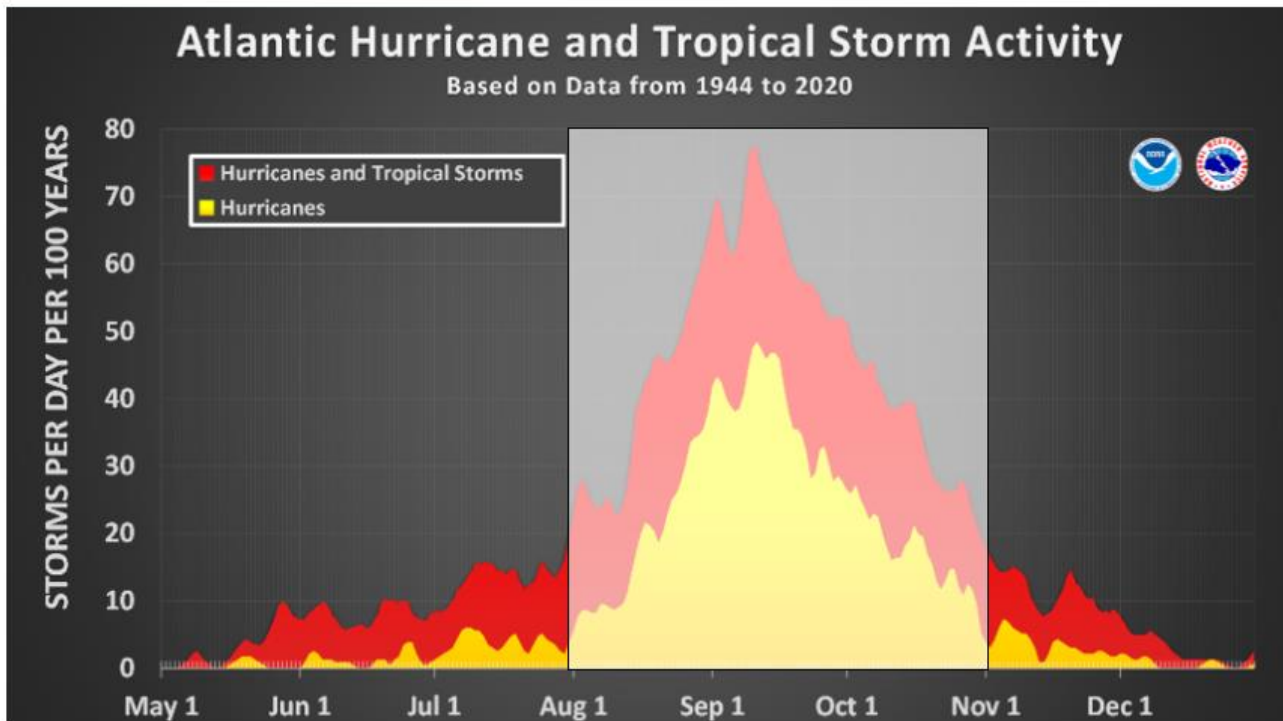
## Tropical Cyclones 101

Hurricane Season



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Melbourne Florida



August 1<sup>st</sup> - October 31<sup>st</sup>

92% of Tropical Storms & Hurricanes Form in Aug, Sep, Oct

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August 1<sup>st</sup> - October 31<sup>st</sup>





# 2024 Season Outlook



## 2024 Atlantic Tropical Cyclone Names

Alberto  
Beryl  
Chris  
Debby  
Ernesto  
Francine  
Gordon

Helene  
Isaac  
Joyce  
Kirk  
Leslie  
Milton  
Nadine

Oscar  
Patty  
Rafael  
Sara  
Tony  
Valerie  
William

Be prepared: Visit [hurricanes.gov](https://hurricanes.gov) and follow @NWS and @NHC\_Atlantic on Twitter.

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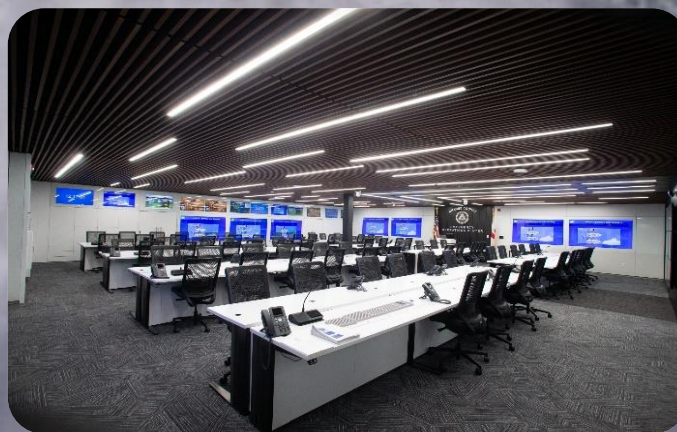
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# EOC Renovation

- On-line February 2024
- 30% Capacity Increase
- Updated Technology
- Systems Connectivity
- Alternate EOC





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# County Season Preparedness

## Before the Storm

- Storm Tracking
- Sandbags
- Evacuation Centers
- Mitigate Hazard Areas

## During the Storm

- Need Public Assistance
- Citizens Call 311 Info
- Call 911 Emergencies
- Incident Planning
- Press Briefings

## After the Storm

- Infrastructure Clearing
- Damage Assessment
- Coordinate Response
- Disaster Recovery



# County Season Preparedness

## Partnerships

- 45 Orange County Public Schools
  - Five Magic Gyms
- Sheriff's Office
- Fire Rescue
- Red Cross
- Salvation Army
- LYNX
- Homeless Services





# Annual Readiness

## Community Engagement

- OEM Presentations
  - Media Interviews
  - Social Media
- OC Alert and OCFL Alert
- Weather Radio Distributions

**ORANGE COUNTY**  
**HURRICANE EXPO**  
 "BEYOND THE FORECAST"  
**JUNE 15, 2024 - 9 A.M. - 1 P.M.**  
**EVANS HIGH SCHOOL**

**ORANGE COUNTY**  
**RECOVERY ASSISTANCE**  
 Essential Information for Affected Residents

**Citizen Information: 311**  
 For assistance with the following:

- Emergency Shelter Locations
- Medical Aid
- Flooding
- Debris Cleanup
- Downed Trees
- Traffic Concerns
- Road Conditions
- Animal Matters
- Neighborhood Issues



**OCFL Alert**  
 A The OCFL app provides life-saving information about open shelter locations, water and ice distribution centers, evacuation routes and public service announcements.



**Disaster Recovery Centers (DRC)**  
 A DRC may open location(s) after a disaster and can provide a variety of post-disaster services.  
<https://www.disasterassistance.gov>

**Disaster Supplemental Nutrition Assistance Program (D-SNAP)**  
 This program assists with replacing food lost during a disaster. <https://myflfamilies.com/DSNAP>

**FEMA Individual Assistance**  
 The Individuals and Households Program (IHP) offers financial and direct aid to those impacted by disasters with uninsured or under-insured essential expenses and needs. IHP is not a replacement for insurance and cannot cover all disaster-related losses. It aims to address basic needs and support disaster recovery efforts.  
[www.disasterassistance.gov](http://www.disasterassistance.gov)

**Small Business Administration**  
 The SBA provides low-interest disaster loans to businesses and homeowners to help recover from declared disasters.  
<https://www.sba.gov/funding-programs/disaster-assistance>

**Florida Department of Financial Services**  
 Contractor Fraud: Learn how to recognize and avoid contractor fraud with educational programs  
[www.MyFloridaCFO.com/Division/ICADemolish](http://www.MyFloridaCFO.com/Division/ICADemolish)

**Generator Safety Tips**  
 After a storm, a generator can be essential for power restoration.

- Operate generators outdoors in well-ventilated areas
- Keep generators away from windows and doors
- Never refuel a generator while its running

**IMPORTANT PHONE NUMBERS**

- Emergency Services: 911
- Persons with Special Needs (PSN): 311
- Orange County Sheriff's Office: (407) 836-4357
- Orange County Utilities Emergency Dispatch: (407) 836-2777
- Duke Energy: (800) 228-8485
- Orlando Utilities Commission: (407) 423-9018
- TECO Peoples Gas: (407) 832-6747
- Lake Apopka Natural Gas: (407) 656-2734

**IMPORTANT WEBSITES**

- Orange County: [www.ocfl.net/storm](http://www.ocfl.net/storm)
- Orlando Utility Commission: [www.ouc.com](http://www.ouc.com)
- Duke Energy: [www.duke-energy.com](http://www.duke-energy.com)
- TECO Peoples Gas: [www.peoplesgas.com](http://www.peoplesgas.com)
- Lake Apopka Natural Gas: [www.langd.org](http://www.langd.org)
- Florida Division of Emergency Management: [www.floridadisaster.org](http://www.floridadisaster.org)
- Federal Emergency Management Agency (FEMA): [www.fema.gov](http://www.fema.gov)
- National Hurricane Center: [www.nhc.noaa.gov](http://www.nhc.noaa.gov)
- Centers for Disease Control and Prevention: [www.cdc.gov](http://www.cdc.gov)
- American Red Cross: [www.redcross.org](http://www.redcross.org)

**Quick Phone Dialups**

- 211 Crisis & Elder Hotline
- 411 Telephone Information
- 511 Traffic Information
- 611 Telephone Repair
- 711 Hearing Impaired
- 811 Call Before You Dig

**Orange County is dedicated to ensuring our residents and communities recover quickly and safely from any disaster.**

EVANS HIGH SCHOOL



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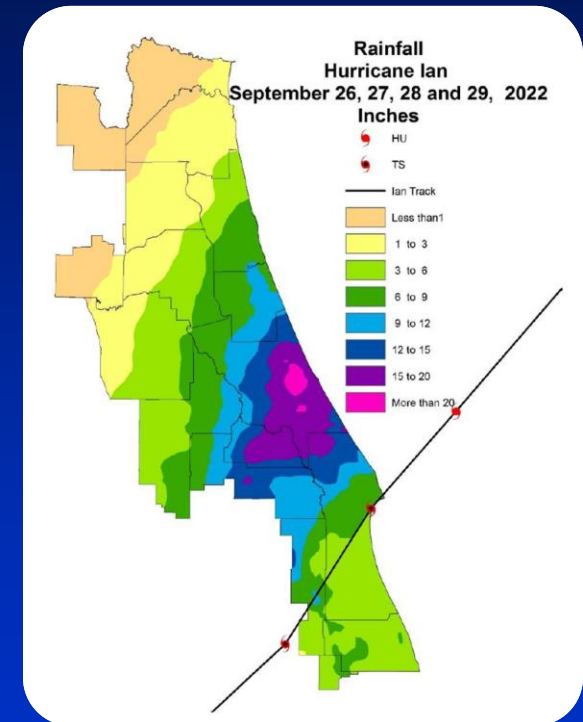


# Hurricane Season Enhancements

## Public Works

### ■ Operations

- Hot Spots Mapped
- Inlets, culverts and pipes cleaned
- Pumps and generators checked
- Lakes and weirs checked
- Pumping activities to draw down County maintained ponds
- Critical intersections established and generators serviced
- Enhanced communications with Water Management Districts and Utility companies





# Hurricane Season Enhancements

## Public Works

### Neighborhood Flooding Concerns

- Buck Road
  - Bridge Replacement
- Bonnie Brooke
  - Hazard Mitigation Grant Program (HMPG) project funding submitted
  - Enhance stormwater pumping system along with drainage modifications



Hazard  
Mitigation  
Assistance



FEMA





# Hurricane Season Enhancements

## Public Works

### Neighborhood Flooding Concerns

- Orlo Vista/Westside Manor
- Protective Mitigation Action



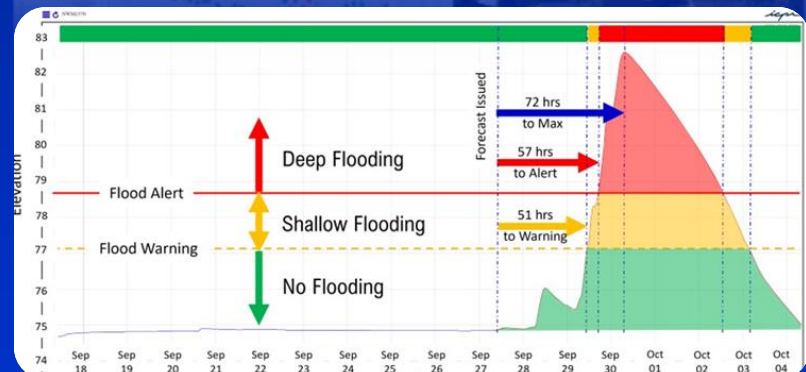


# Hurricane Season Enhancements

## Public Works

### Realtime Flood Forecasting

- Predict flooding up to 72 hours
- Determine areas for evacuation orders
- Plan emergency response priorities during a major storm, including prioritization of staff resources





# Hurricane Season Enhancements

## Public Works

- Sandbags
  - Five (5) Sandbag distribution sites
  - 10 Sandbags per household
  - Distribute special needs sandbags through 311
- Emergency Response Debris Removal & Monitoring Contracts





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# Hurricane Season Enhancements

## OC Utilities Updates

### –Field Services Division

- Staff emergency drill exercises May 22 & 23
- Cross-training department staff
- Prepping equipment for response
  - 113 mobile generators
  - 67 stationary generators
  - 13 backup pumps







# Hurricane Season Enhancements

## OC Utilities Updates

### ▪ Water Division

- Exercised fully manual (no automated control) operations procedures at all regional water plants
- Completed annual maintenance and refueling of generators





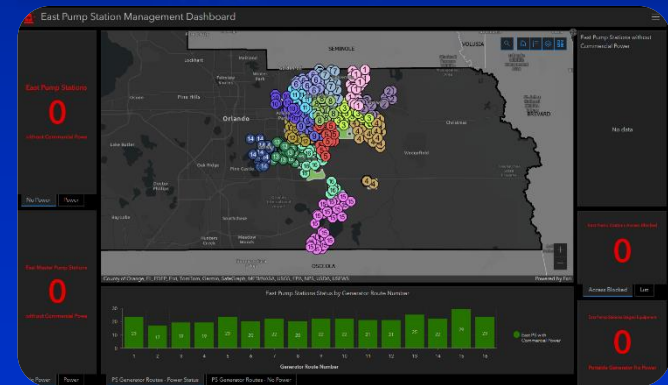
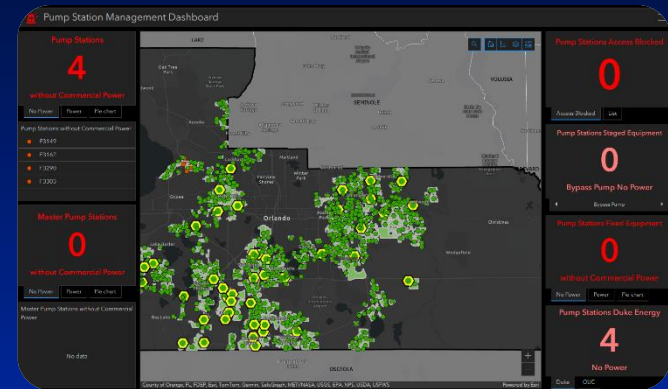
# Hurricane Season Enhancements

## OC Utilities Updates

### ■ Engineering Division

#### – Pump Station Management GIS Dashboards

- Allow visualization of OCU pump stations, subarea locations, and emergency generator routes by pumping service areas
- Indicators and charts are used to summarize the current operating mode of assets





# Hurricane Season Enhancements

## OC Utilities Updates

- Hurricane Preparedness Reminders
  - Social media outreach on Facebook, Instagram, Twitter and Nextdoor
  - Trim trees and shrubs ahead of storm season and set out for curbside collection
  - Keep account information updated



MAKE SURE YOUR  
CONTACT INFO IS  
UP TO DATE





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# Conclusion

- Active Season Predicted
- Hurricanes Can Impact Without A Direct Strike
- Major Flooding Is Always Possible
- Not All County Areas Will Be Affected The Same
- Prepare For 3-7 Days
- Plan & Prepare In Advance
- Be Ready!



*Office of Emergency Management*

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