

Office of Emergency Management

2023 Hurricane Season Preview



June 20, 2023



Presentation Overview

- 2022 Season in Review
- 2023 Season Outlook
- Season Preparedness
- Annual Readiness
- Preparedness Reminders
- Public Works
- Orange County Utilities
- Conclusion



**HURRICANE
SEASON
IS HERE.**

A graphic featuring a dark, stormy sky over a beach at sunset or sunrise. The text is in large, bold, white capital letters.

Are you prepared?

Are you prepared?





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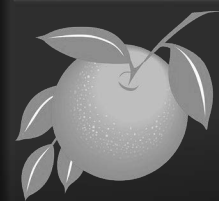
A graphic featuring a dark, stormy sky over a beach at sunset or sunrise. The text is in large, bold, white capital letters.

Are you prepared?

Are you prepared?



026



2022 Hurricane Season Review

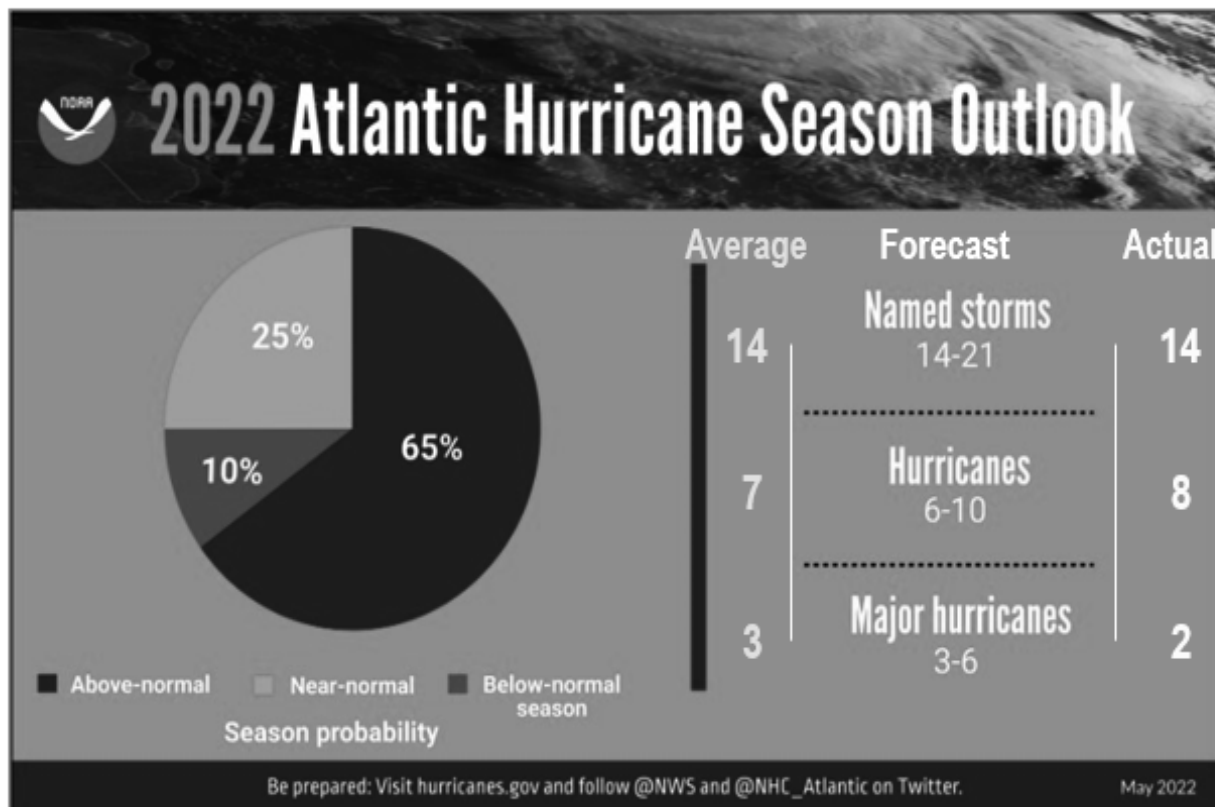
2022 Hurricane Season



WEATHER FORECAST OFFICE

Melbourne Florida

By The Numbers



- From a numbers perspective, the 2022 hurricane season will be looked back on as an “average season.”
- From an impacts perspective, the 2022 hurricane season will be looked back on as *anything but average...*



2022 Hurricane Season Review

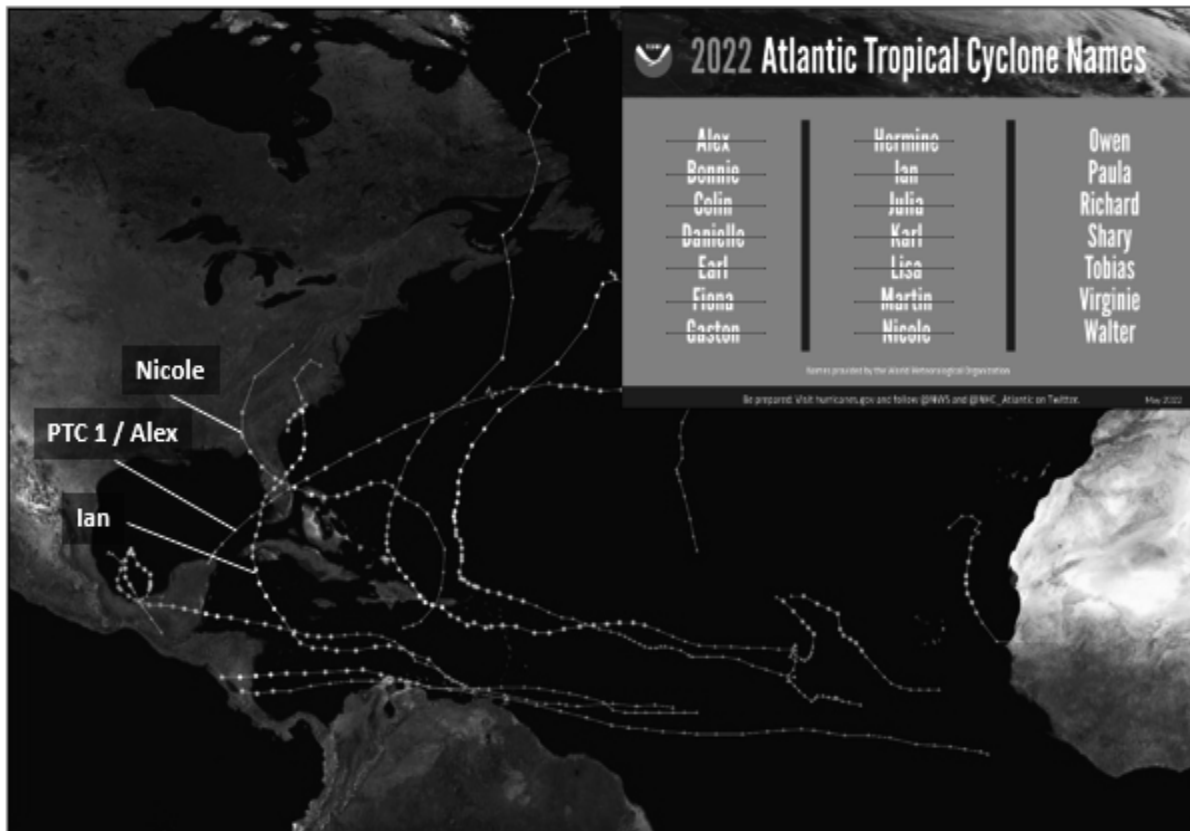
2022 Hurricane Season

Tracks



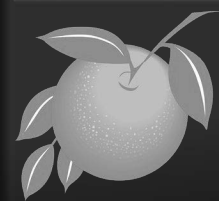
WEATHER FORECAST OFFICE

Melbourne Florida



Florida was directly impacted by three systems this season:

- Potential Tropical Cyclone 1 / Tropical Storm Alex (Jun 3 – 4)
- Major Hurricane Ian (Sep 27 – 29)
- Hurricane Nicole (Nov 8 – 10)



Presentation Overview

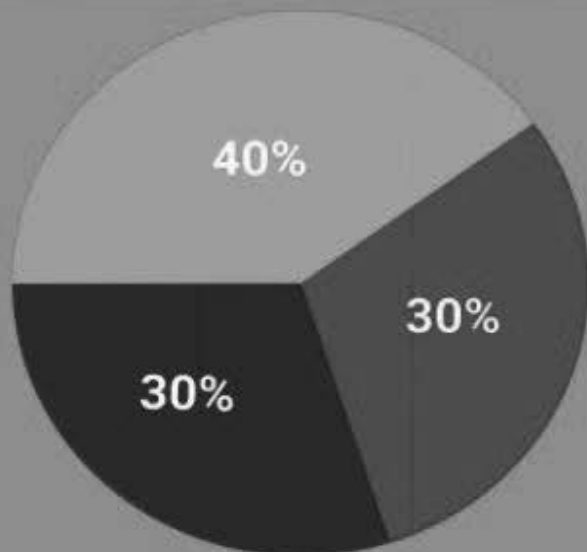
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2023 Season Outlook



2023 Atlantic Hurricane Season Outlook



■ Above normal ■ Near normal ■ Below normal

Season probability

Named storms
12 - 17

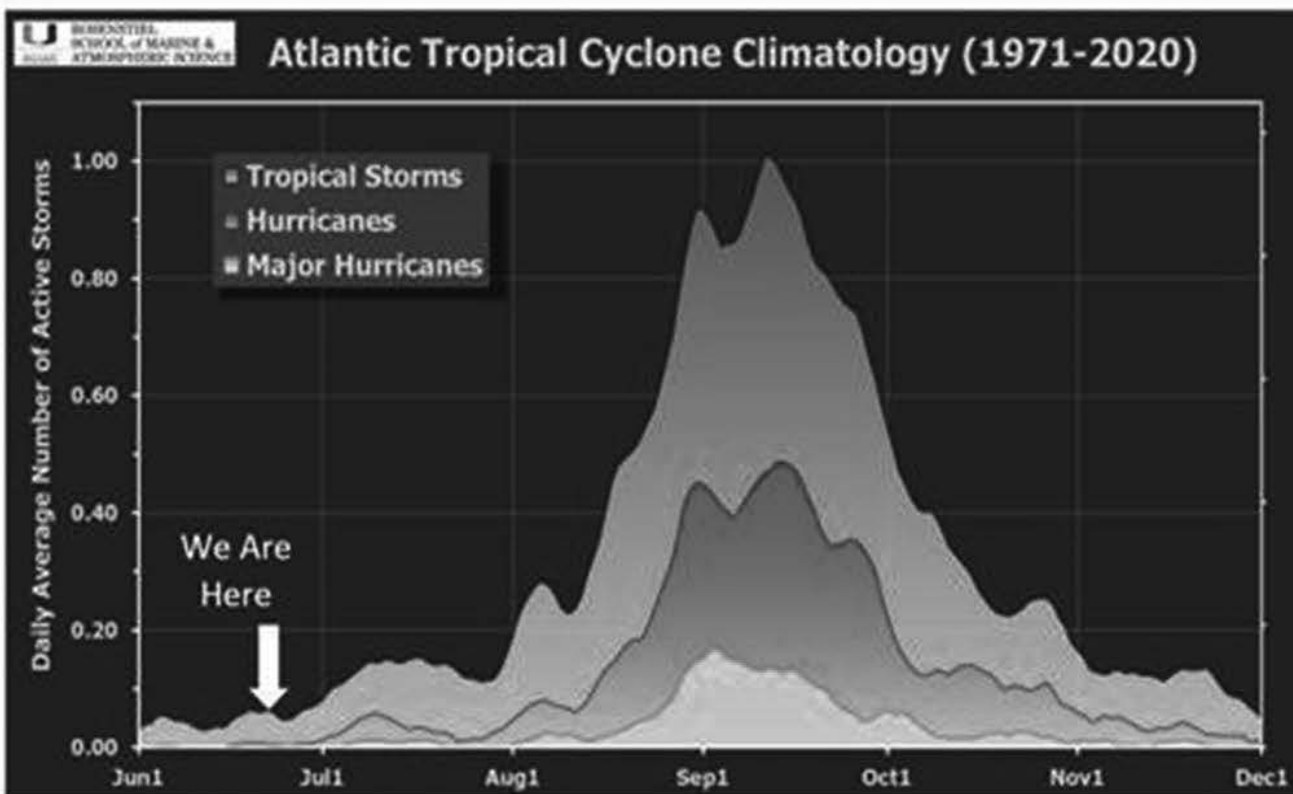
Hurricanes
5 - 9

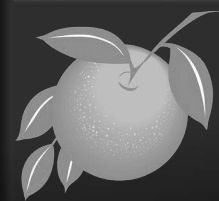
Major hurricanes
1 - 4



2023 Season Outlook

Seasonal Prelude





2023 Season Outlook

Arlene

Harold

Ophelia

Bret

Idalia

Philippe

Cindy

Jose

Rina

Don

Katia

Sean

Emily

Lee

Tammy

Franklin

Margot

Vince

Gert

Nigel

Whitney



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County Preparedness

Orange County Emergency Response Team (OCERT)

Executive Policy Group

Emergency Support Functions

Emergency Coordinating Officers





County Preparedness

Before the Storm

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

During the Storm

- 911 Emergencies
- Incident Planning
- Press Briefings
- Curfew Consideration



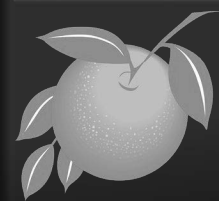


County Preparedness

After the Storm

- **Infrastructure Clearing**
 - Evacuation
 - Damage Assessment
 - Coordinated Response
 - Disaster Recovery
- **311 Information Line**





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Annual Readiness

- **Orange County Alternate COOP Exercise**
- **County OCERT Meetings**
- **National Hurricane Conference**
- **Governor's Hurricane Conference**
- **Senior Official's Workshop**
- **Orange County Hurricane Expo**
- **BCC Presentation**





Annual Readiness

- [48] Orange County Public Schools
- Five Magic Gyms
- Staffing
- Training
- Red Cross
- Salvation Army
- Sheriff's Office





Annual Readiness

- **National Incident Management System**
 - Incident Command System Training
- **Emergency Operations Center Staff Training**
- **Department Operations Center Staff Training**
- **311/Message Center Training**
- **Shelter Training**





Annual Readiness

- **OEM Presentations**
 - Media Interviews
 - Social Media
- **OC Alert and OCFL Alert**
- **Weather Radio Distributions**
- **Preparedness & Safety Videos**
 - Tree Trimming
 - Sandbags
 - Generator Safety
 - Debris





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Preparedness Reminders

- **Basic Family Plan**
 - Communications
 - Evacuation
 - Pet Needs
- **Disaster Supply Kit**
 - Water, Food, Medications, Cash, Flashlight/Batteries, Important Papers & Battery-Operated Radio
- **Stay Informed**
 - Radio, Local Media, 311 & Alert Applications





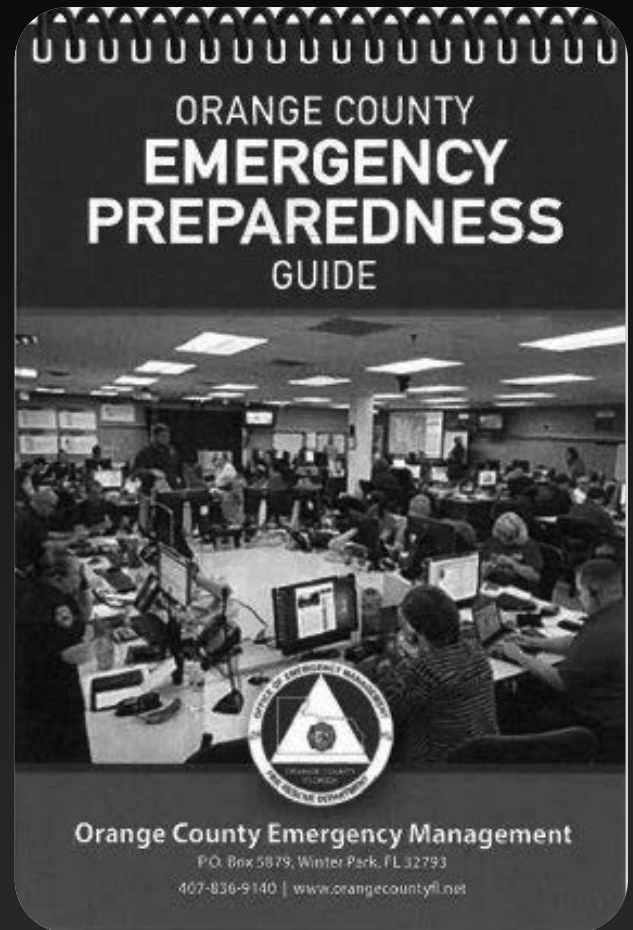
Preparedness Reminders

■ Prepare Your Home

- Trim Trees
- Clean Up Yard Debris
- Protect Windows
- Designate Safe Room

■ Insurance

- Home Policy
- Rental Personal Property
- Flood Insurance



Orange County Emergency Management

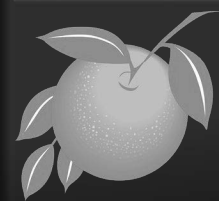
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Orange County Emergency Management



Preparedness Reminders

- **Evacuation Strategies**
 - Flood Prone Areas
 - Manufactured Homes
 - RV Parks
- **Evacuation Centers**
 - General
 - Pet Friendly
 - People with Special Needs





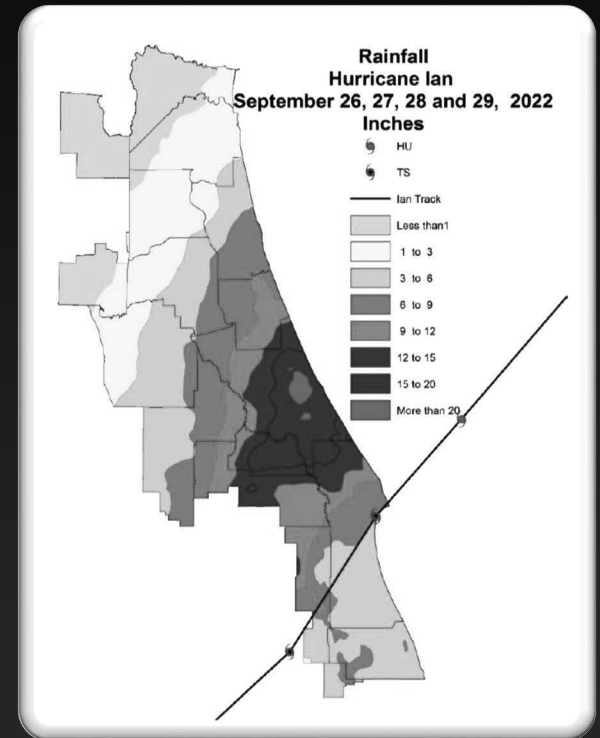
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Public Works

- **Operational Readiness**
 - Hot Spots Mapped
 - Checked On Scheduled Basis
 - Clean Out Inlets, Culverts & Pipes
 - Check All Pumps & Generators
 - Check Lakes & Weirs
 - Draw Down County Maintained Ponds
 - Establish Critical Intersections
 - Service Generators
 - Enhanced Communications
 - Water Management Districts
 - Utility Companies





Public Works

Neighborhood Flooding Concerns

- **County Flooded Areas**
 - **Orlo Vista / Westside Manor**
 - **Protective Mitigation Action**
 - **Bonnie Brooke**
 - **FEMA Grant Possibility**
 - **Community Discussions**
 - **Rio Pinar**
 - **Rouse Road (Little Econ)**





Public Works

Infrastructure Impact

- **Rouse Road**
 - [200-Foot] Section Of Concrete Sidewalk, Curb, Shoulder & Pavement Undermined
 - Northbound Lane Of Rouse Road



28°35'27\", -81°13'27\", -7.9m, 5'
Feb 10, 2023 3:03:21 PM

Feb 10 2023 3:03:51 PM
28°35'27\", -81°13'27\", -7.9m, 5'



Public Works

- **Lake Underhill Road**

- **Little Econ Primary Canal Outfall**

- **Overtopped Lake Underhill Road – curvet crossing West of South Dean Road**





Public Works

- Reams Road

- Closure from 09/28/22 to 10/13/2022 at Floridian Place & Newmarket Drive



10.10.2022 09:45:51
28.42933, -81.57217, -5.3m, 281°



Public Works

Sandbag Distribution and Debris Removal

- **Operations of Five Sandbag Distribution Sites**
 - 225,000 Sandbags
 - 10 Sandbags Per Household
 - Service for Special Needs Requests – 400 Sandbags





Public Works

Emergency Response Debris Removal

- **Removal Of 354,644 cubic yards**
 - **October 1, 2022, To January 9, 2023**
- **Coordination with Orange County Solid Waste**
- **Federal Declared Disaster**
 - **Eligible for FEMA Grant Reimbursement Program**
 - **Greater Than Three (3) CY**
 - **Separated by Debris Type**





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Orange County Utilities Department

Field Services Division Preparations

- Emergency Staff Exercises
- Cross-Training of Department Staff
- Prepping Take-Home Vehicle Authorizations to Expedite Response Times
- 101 Mobile Generators
- 63 Stationary Generators





Orange County Utilities

Water Division Preparations

- **Exercised Full Operations Procedure**
 - Eastern Regional Water Supply Facility for Communication Failure
 - Similar Exercises at Other Regional Facilities
 - Additional Exercises Scheduled in the Coming Months





Orange County Utilities

Engineering Division Preparations

- **Pump Station Management GIS Dashboards**
 - Allows Visualization of OCU Pump Stations, Subarea Locations, & Emergency Generator Routes by Pumping Service Areas
 - Indicators & Charts Used To Summarize Current Operating Mode Of Assets





Orange County Utilities

Hurricane Preparedness Week Reminders

- Social Media Outreach on Facebook, Instagram, Twitter & Nextdoor
- Trim Trees and Shrubs Ahead of Storm Season & Set Out for Curbside Collection
- Keep Account Information Updated





Conclusion

- **Hurricanes Can Impact Without A Direct Strike**
- **Major Flooding Is Always Possible**
- **Not All County Areas Will Be Affected The Same**
- **Prepare For 5-7 Days**
- **Plan & Prepare In Advance**
- **A Prepared County Is A Safer Community**





Storm Informed!



***Office of Emergency Management
Lauraleigh Avery, Emergency Manager***