

Monday, June 5, 2023

Workshop: Preparing Airports for Disasters

FLL Hurricane Preparedness

Gil Zavlodaver & Kevin Wu
Broward County Aviation Department
Emergency Management



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Presentation Agenda:

- ≧ FLL EM Team Introduction
- ≧ 2022 Hurricane Season
- ≧ 2023 Hurricane Season
- ≧ Hurricane Preparedness Overview For FLL
- ≧ Emergency Preparedness
- ≧ Disaster Recovery And Resources



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Gil's Background



- 13 years of Emergency Management Experience in the public and private sector.
- Emergency Manager with the Ventura County Sheriff's Office of Emergency Services in California
- Management of Ventura County's EOC
- Alert and Warning Coordinator & Emergency Training and Exercise Coordinator
- Involved in 2 federally declared catastrophic wildfires, a mass shooting, a mass fatality incident, destructive post-fire debris flows, floods, and HAZMAT incidents
- Emergency planning consultant and Director of Emergency Management Services for an Emergency Notification System vendor

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What about Kevin?

- 20+ Years Of Airport Ops Experience from Three International Airports
- ✓ Airport Duty-Manager
- ✓ Airside Ops Manager
- ✓ Emergency Manager
- Airport EOC Incident Commander For FedEx Crash in 2016
- Broward Emergency Response Team, ESF1 - Airport Unit Leader
- ✓ 2015 Dynamic Airways Fire
- ✓ 2017 Airport Shooting
- ✓ 2018 Hurricane Irma
- ✓ 2019 Hurricane Dorian
- 2022 Hurricane Ian Mutual Aid
- SEADOG/AAAE/FAC Emergency Management Committees
- A.A.E. and I.A.P. Certifications

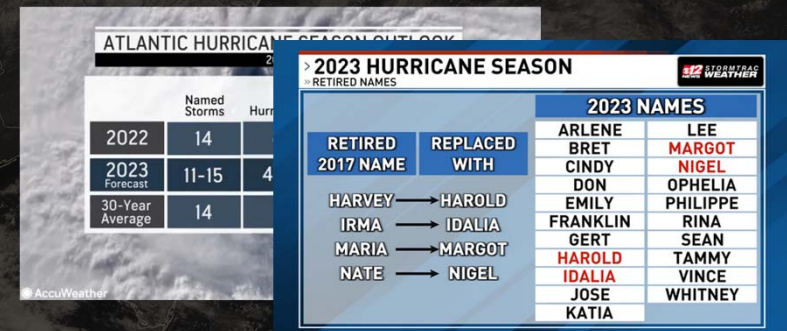
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2022 Hurricane Season Summary

- Near Normal Season
- 14 Named Storms
- 8 Hurricanes
- 2 Major Hurricanes
 - ✓ Hurricane Ian - Cat 4 at landfall
 - ✓ 155 mph (Cat 5 - 157 mph)
 - ✓ 5th Strongest landfall



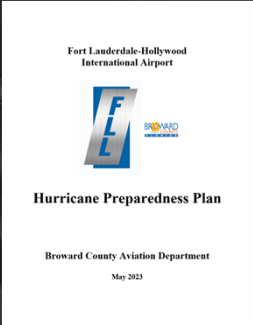
2023 Season Outlook





2023 FLL Hurricane Preparedness

- Hurricane Plan Update
 - ✓ Roles And Responsibilities
 - ✓ Emergency Notification
 - ✓ EOC Activation
 - ✓ Personnel Rosters
 - ✓ Inventory Lists
 - ✓ COOP/Damage Assessment



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Phase I - Hurricane Watch

- 48 hrs Before Onset Of Sustained Tropical-Storm-Force (TSF) Winds
 - ✓ 39 mph (34kts)
- AEOC Activated - Level III
- Schedule Meetings With Staff And Stakeholders
- COOP Planning



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Phase II - Hurricane Warning

- 36 hrs Before Anticipated Onset of TSF Winds
- AEOC Activated - Level II
- Secure Airport Facilities
 - ✓ Buildings
 - ✓ Aircraft
- NWS Briefings / BEMD Conference Calls
- Prepare for Airport Closure
 - ✓ Community decision
 - ✓ 4 hrs before TSF winds



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Phase II Hurricane Warning – Ops & Maintenance

- Airfield Closure
 - ✓ NOTAM Issuance
 - ✓ UAS/Photo Footage
 - ✓ Flood Prevention
- Conference Bridge – Open
- Passenger Assistance
 - ✓ Assist Airlines to make alternative arrangements
 - ✓ BEMD ESF-6 Sheltering
- BCAD EM Team ESF-1 Staffing Broward EOC
- Inspect/Fuel Generators
- Install Hurricane Curtains
- Distribute Supplies
- Clear Storm Drains
- Secure Terminal Doors
- Check HVAC Units
- Secure Jetways and Training Aircraft

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Phase III - Hurricane



- Airport Closed/BEOC Locked Down
- AEOC Activated - Level I
- ***Staying Safe...***
- Maintain Communication With Staff & Tenants
- NWS Briefings / Monitor
- Business Resumption and COOP Planning

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Phase IV - Recovery

- Employee Accountability
- Damage Assessment Reports
- Stakeholder Conference Calls
- Staffing Recall Requirements
 - ✓ TSA/ATCT
 - ✓ Air Carriers/Concessions
- Cost Reimbursement Activities
- Community Recovery

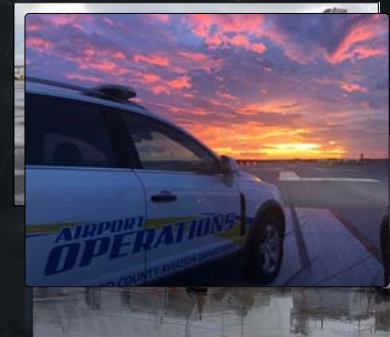


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Phase IV – Recovery (Cont.)

- CFR Part 139 & 1542 Inspections
- Business Resumption
 - ✓ Debris Removal
 - ✓ Buildings
 - ✓ Aircraft
- Assist With Military And Humanitarian Operations
- Catch Your Breath...



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Emergency Preparedness

Disaster Preparedness Sales Tax Holiday

EMERGENCY EVACUATION MAP

Evacuation Plan A
All residents east of the I-95 corridor
Evacuation routes to be followed for residents located between I-95 and I-10
Evacuation routes to be followed for residents located between I-10 and I-75
Evacuation routes to be followed for residents located between I-75 and I-4
Evacuation routes to be followed for residents located between I-4 and I-1
Evacuation routes to be followed for residents located between I-1 and I-95

Evacuation Plan B
All residents west of I-95 (Gardner Highway)
Evacuation routes to be followed for residents located between I-95 and I-10
Evacuation routes to be followed for residents located between I-10 and I-75
Evacuation routes to be followed for residents located between I-75 and I-4
Evacuation routes to be followed for residents located between I-4 and I-1
Evacuation routes to be followed for residents located between I-1 and I-95

If you live in an evacuation zone and an evacuation is ordered, you are required by law to evacuate.

- Leave when local government officials issue a mandatory evacuation order for your area.
- Evacuate to a family or friend's home or hotel outside the evacuation zone. Shelters provide for basic needs only and are a source of last resort.
- Get someone outside the storm area where you are going.
- Take your hurricane kit and important papers with you.

**May 27-June 9, 2023
August 26-September 8, 2023
Visit floridarevenue.com/DisasterPrep**

Be In The Know
County Aviation Department is rolling out a new alert notification system (FLL) that will provide relevant information relating to port threats, roadway or terminal closures, and weather-related emergency orders and hurricanes.

Alert! FLL
This is to notify airport major modes of FLL.

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Disaster Recovery

- Recovery May Take ???
- Airports Are Essential Following Disasters
 - ✓ Base of disaster response and recovery operations
 - Search and Rescue
 - Resource Staging
 - ✓ Points of Distribution
 - ✓ Humanitarian Operations

PORT LAUDERDALE HOLLYWOOD INTERNATIONAL AIRPORT

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Slide 18 features a header with four logos: IATA, Federal Aviation Administration, ICAO, and WFP. Below the logos is a horizontal strip of six small images showing various airport scenes. The main content area includes a title, a list of needs, and a large image of an airport tarmac.

What If YOUR Airport Needs Assistance?

- Needs Resources
- Needs Personnel
- Needs Expertise
- Needs Vendor Info
- Needs Templates
 - ✓ Various plans
 - ✓ Temporary contracts

The large image on the right shows a wide view of an airport tarmac with various ground support equipment, vehicles, and aircraft in the background.

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- Governments
- Mutual Aid Agreements
- Non-Governmental Organizations
 - ✓ Red Cross
 - ✓ Salvation Army
 - ✓ Disaster Response Companies
- Professional Organizations
 - ✓ AAAE
 - ✓ SEADOG / WESTDOG

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Collaboration Is The Key!!



Useful Websites:

NWS: <https://www.weather.gov/safety/hurricane>

FEMA: <https://www.fema.gov/emergency-managers/risk-management/hurricanes>

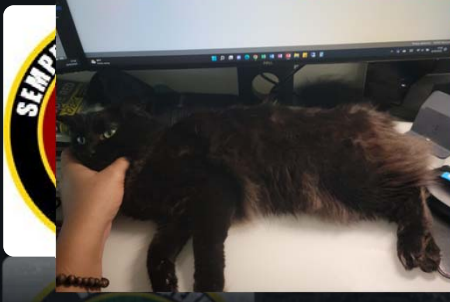
FDEM: <https://www.floridadisaster.org/planprepare/>

Ready: <https://www.ready.gov/>

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Lastly...



- US Marines Unofficial Motto – Always Flexible
 - ✓ “No Plan Survives First Contact With The Enemy.”
- Community Response
- Use Your Resources
- Leverage Relationships
 - ✓ Relationship is Power
 - ✓ Build Them Beforehand
- Be Adaptable

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Thank You
&
Stay Prepared



Gil Zavlodaver
954.359.1092
gzavlodaver@broward.org

Kevin Wu
954.359.1064
kwu@broward.org

