Agenda Item #: 5B-1

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: Ju	[]	Consent	[X]	Regular		
	[]	Ordinance	[]	Public Hearing		
Department:	Department of Public Safety					
Submitted By:	Department of Public Safety					
Submitted For:	Division of Emergency Management					

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to receive and file: the 2025 Disaster Preparedness Storm Season Report.

Summary: The purpose of this briefing is to provide an update on the 2025 Atlantic Hurricane season and the Public Safety Department's preparedness strategies for the upcoming storm season. The Public Safety Department's Division of Emergency Management (DEM) relies on all County departments, as well as, the Board of County Commissioners (BCC) and numerous local, state, federal, and non-profit volunteer agencies to provide support and resources to help Palm Beach County mitigate, plan for, respond to, and recover from disasters. DEM has worked with numerous stakeholder agencies to ensure the safety and well-being of our residents and employees of Palm Beach County. Countywide (DB)

Background and Policy Issues: Pursuant to Florida Statutes, Chapter 252, it is the County's responsibility to be prepared, to respond, and recover from any hazard that threatens the lives and property of residents and visitors of Palm Beach County. Our citizens rely on the County for emergency shelters, as well as, other countywide disaster functions that are a critical component of our Emergency Response System.

Attachments:

1) Presentation

Recommended By: <u>Septek</u> Department Director

Approved By:

sistant County Administrator

Date

11. **FISCAL IMPACT ANALYSIS**

A. Five Year Summary of Fiscal Impact

-	Fiscal Years	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
Per	sonal Services					
Ор	erating Expenses	·····	<u></u>	<u></u>		
Car	oital Outlay					
Gra	ints & Aids					
Pro	gram Income (County)	*******				
	Kind Match (County)					
N	let Fiscal Impact	*				
# A	DDITIONAL FTE					
РС	SITIONS (Cumulative)	0_	0	0	0	0
	Is Item Included In Curr Is this item using Feder Is this item using State	al Funds?	Yes Yes Yes	No No No		
	Budget Account Exp No Rev No	o: Fund o: Fund	Dept Unit Dept Unit	: Obj : Rev	Prog. Prog.	
в.	Recommended Sources *There is no fiscal in					
C.	Departmental Fiscal Re	view: <u>Agro(</u>	Thay 5	4/25		
		III. <u>REV</u>	IEW COMMEN	<u>TS</u>		
Α.	OFMB Fiscal and/or Cor	itract Dev. and	d Control Com	ments:		
(Fire Mart :	5/2/2025		hinda	madhe	5/8/25

5/8/25

Contract Administration

M05/1 OFMB

B. Legal Sufficiency:

5/8/25

Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.





Public Safety Department Division of Emergency Management

Disaster Preparedness: Storm Season Report





Todd Bonlarron, Interim County Administrator Stephanie Sejnoha, Director Public Safety Department Mary Blakeney, Director Division of Emergency Management Sherry McCorkle, External Affairs Specialist South Florida Water Management District Tommy Strowd, PE Executive Director Lake Worth Drainage District

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Agenda

- **Emergency Management Overview and Core Hazards**
- > 2024 Hurricane Season in Review and the 2025 Predictions
- The Drainage System
- Preparedness Cycle
- ➢ How You Can Help





Division of Emergency Management



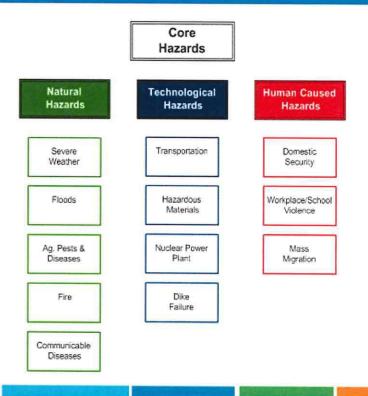
Our Vision

To be a world class emergency management agency keeping our community safe and resilient by working together with our partners and the public as a team.





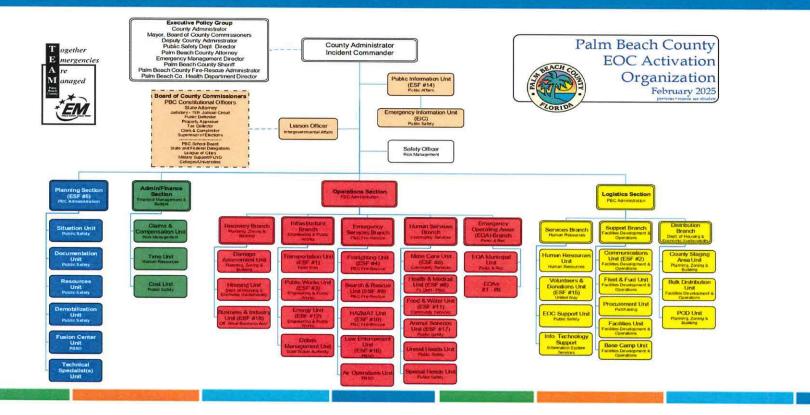
Our Hazards







Our TEAM







2025 Atlantic Hurricane Season

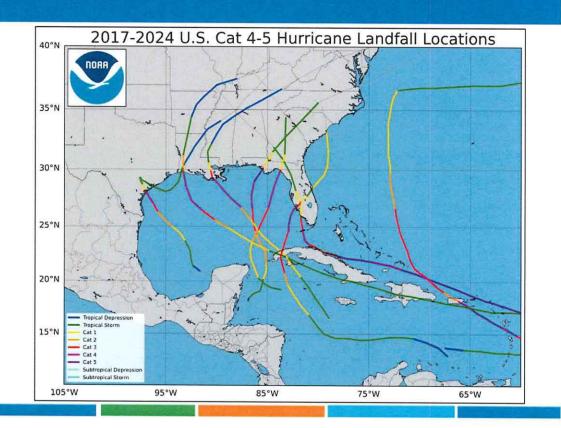
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Avo	2025						-		1	in Fri	F	19	-		18	-	1-1
Arg.	2025 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Actual	2025 Forecast	F	e de la	* 1 ¹³ 28 6 8 12	27 0		18	249 1 <u>25</u>	26 27 6 12	16	+	H:
Named 14	30	21	14	20	18	13-19	1		8 26 9 4	10	/	18 13		5 11	4	H	t
Hurricanes 7	13	7	8	7	11	6-10	11	2 31 14	5 25 19 24 19 14	22 21 21 21 2 4 2	19 19	15		10 ⁰ 4 9 30 29 16 28	3 14 1	3 12	11 2
Intense (≥ Cat. 3) 3	6	4	2	3	5	3-5		Jajor Hurricane	16 15 0 23	3 5 3	- 2	13	• 12		15 27 10 . 5	6 30 . I	1 20 10





It continues to be busy

25 hurricanes have made landfall in the U.S. since 2017 (11 were major)







Plan now!

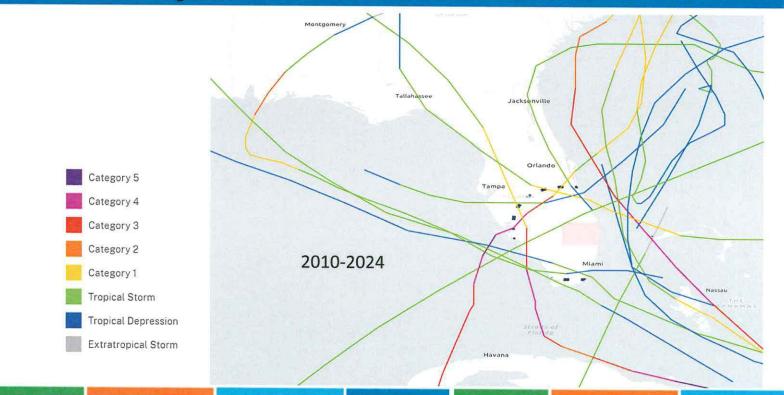
Shorten Lead Times







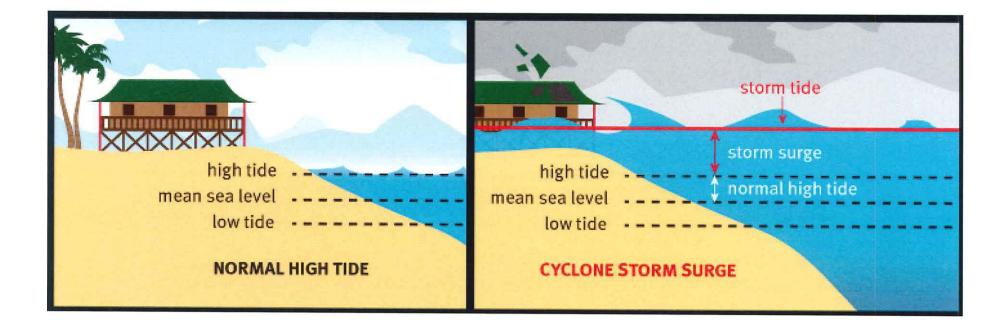
Hurricane Country

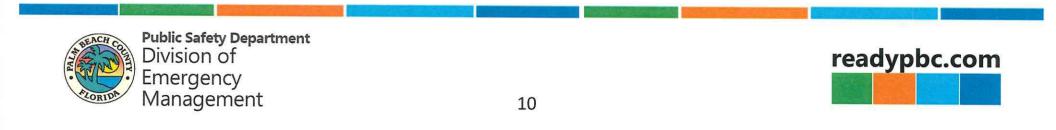




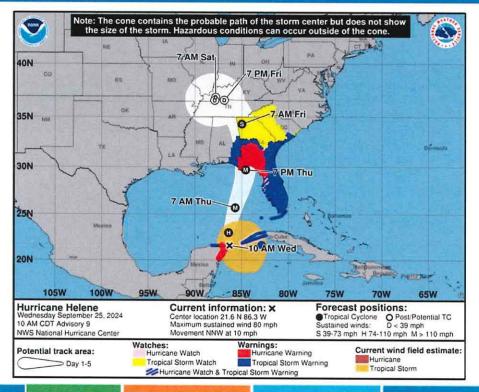


What is Storm Surge?





Depicting Inland Watches/Warnings on Cone

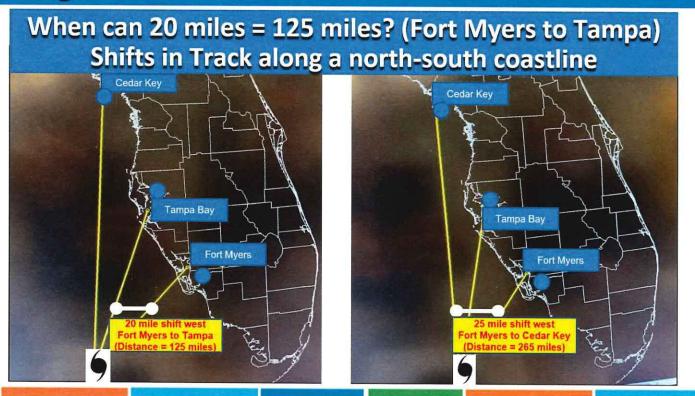


A STORIDA

- Experimental cone graphic depicting inland U.S. tropical storm and hurricane watches and warnings
- Will help convey wind hazard risk
- Graphic may not be available as soon as the current cone graphic due to the time need to compile complete inland watch and warning information



Forecasts Change







It Is More Than The Cone

All tropical cyclones

can produce one or







Drainage: The Beginning

- Marshes and swamps once covered our tropical-like region
- Land is low, and seasonal rainfall can be intense
- Developers saw potential expansion and profit in South Florida if they could get rid of the water
- Ditches were dug to divert water via gravity from the north to the south and west to east
- Later, engineers added control structures and pumps to hold or release water as needed
- Drainage of stormwater discharges were unregulated









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Stormwater Drainage

- Development standards for drainage systems are established to ensure flood protection and maintain water quality by retaining water on-site.
- Stormwater ponds are designed to allow pollutants to settle before the water is discharged into other water bodies.







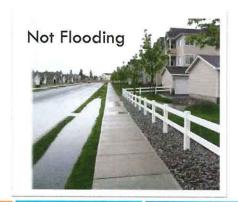




Today's System

- The drainage/flood control system of the pond is designed to protect the finished floors of homes
- THIS DESIGN USES YARDS, STREETS, AND
 PARKING LOTS FOR SECONDARY DETENTION
 AREAS DURING INTENSE RAIN EVENTS







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Typical nuisance flooding

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When It Rains, You Can Expect.....

3 to 4 inches in 24 hours: expect standing water in yards, swales, ditches

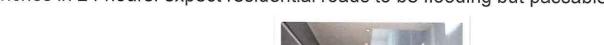


5 to 6 inches in 24 hours: expect residential roads to be flooding but passable

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15 to 23 inches or more in 72 hours: risk of home/business flooding









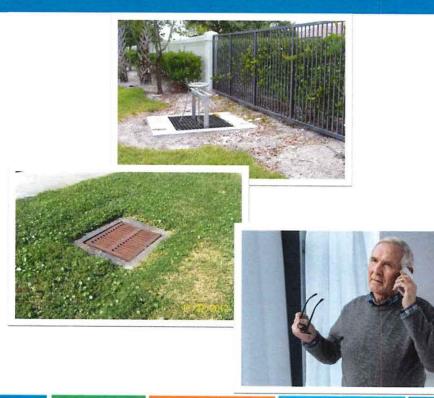


Community Responsibility

- Before storm season, perform inspections, make repairs, locate and update the emergency plan, and update your designated contacts with LWDD
- Several days out from landfall, verify who will open weirs if authorization is given, ensure they are in town and able to take on the responsibilities
- 72 to 48 hours from landfall, walk the property and check that storm drains and swale are free of debris (trash, leaves, coconuts)
- 36-24 hours, LWDD will begin coordinating emails regarding operable control structure authorizations and lower ponds
- Establish a liaison (property manager or board member) to act as a point of contact with the residents, allowing LWDD staff to focus on flood control operations



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South Florida Water Management System: Primary Control System

- SFWMD serves approximately 9.5 million residents in South Florida
- 2,175+ miles of canals
- 2,130+ miles of drivable levees/berms
- 90 pump stations
- 915+ water control structures and weirs
- Regional network moves more than 20million-acre feet during an average year

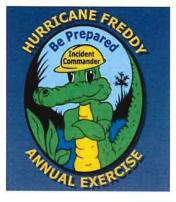






SFWMD Flood Control: Emergency Management

- Before, during, and after a storm, engineers, meteorologists and water managers monitor weather conditions and water levels 24 hours a day/7 days a week
- They use this data to determine optimal operation of the hundreds of water control structures throughout the system, in times of severe weather



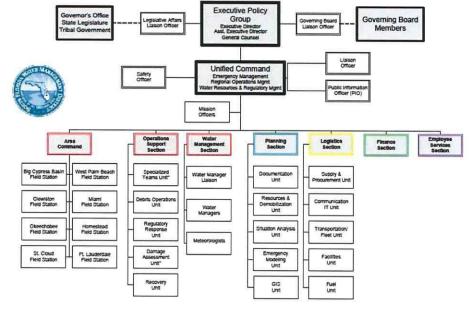






SFWMD Emergency Management

- This information is used for coordination and collaboration with:
 - Internal Operations
 - External Operations
 - Key Stakeholders (City , County, State, Federal)
 - Vendors & Contractors (New and Existing)



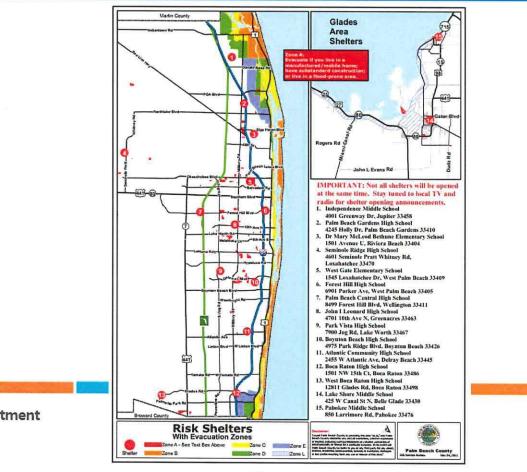
SFWMD Emergency Management Emergency Operations Center Master Organizational Chart Revision Date: April 2018

*Teams assigned to these units will activated in a scalable manner as per ICS as dictated by the scope and magnitude of the incident.





Hurricane Evacuation Zones

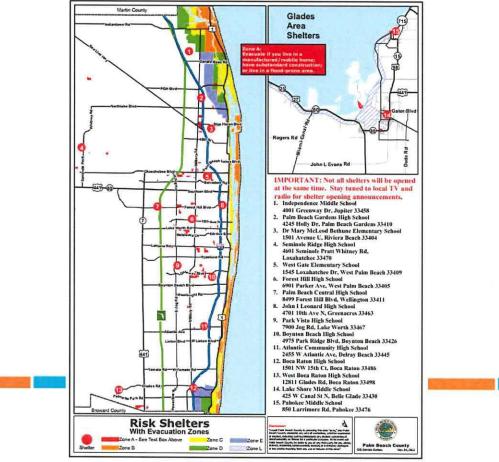




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Hurricane Risk Shelters







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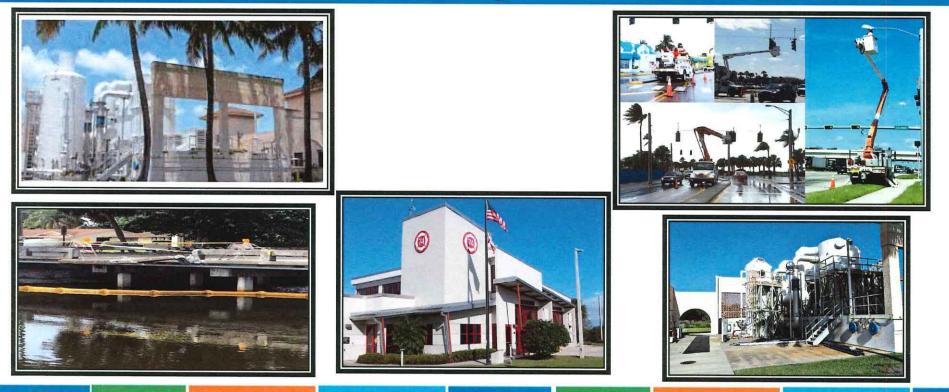
Employee Disaster Response Program (EDRP)

Position	# of County Employees						
Department Essential	3,944						
EOC Essential	198						
Emergency Information Center (EIC)	103						
Disaster Service Agents	939						
Disaster Team Leaders	82						
Disaster Field Workers	369						





Employee Disaster Response Program (EDRP)

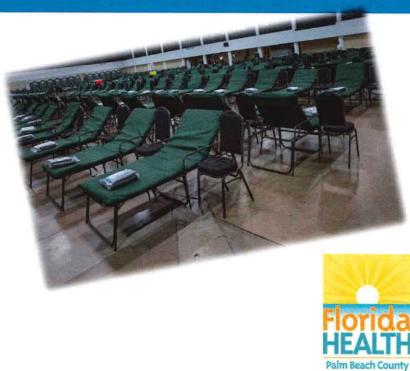






Shelter Staffing











Plan NOW

Your four step approach to preparedness:







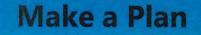
Make a Plan



- **Know Your Hazards** •
- **Know Your Zones** •
- **Know Your Home** •
- Have a Communication Plan •







Pre-register for the Special Needs Shelter 561-712-6400



Pre-register for the Pet-Friendly Shelter Program 561-233-1200









Build a Kit

What to include?

Water – **1 Gallon per Person per Day (pets too)** Canned foods and snacks / Can Opener Prescriptions and Over the Counter Medication *Florida Statute 252.358 30 Day Refills* Battery Powered Radio or Hand Crank Radio Flashlights Extra Batteries Personal Hygiene Supplies Books and Board Games *Keep everyone occupied – especially kids* Baby food, formula, diapers Pet Food Paper products/plastic utensils Cash



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Build a Kit

Important Documents and Special Items

- ✓ Identification
- ✓ Medical Insurance Cards
- ✓ Home/Renters/Flood Insurance Policies
- ✓ Birth Certificates
- ✓ List of Medications
- ✓ Copy of legal documents
- ✓ Pictures and other Family Memorabilia
- ✓ Pictures of the house and property for insurance reasons





Build a Kit

Food

I Gallon of water per person per day for at least 5 days, for drinking and sanitation □ Sandwich bread (Ireeze until needed)

Week 1

3 Boxes of quick energy snacks (i.e. granola bars or raisins)

T 2 Cans of ready-to-eat-soup C 1 Box of crackers

Dry cereal

7 4 Cans of fruit

7 5 Cans of meat □ 4 Cans of vegetables

I Jar of jelly or jam

□ 1 Large can of juice Instant coffee/tea/



Water will be needed for drinking, cooking, and bathing. Store enough bottled water for all members of your family and pets before the storm. Clean water that could be used for bathing & washing dishes is in your 7) water heater

Health & First Aid Week 3

I Bottle of shampoo 3 1 Box sanitary hand wipes/liquid

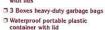
- □ 1 Large tube of toothpaste
- T Antiseptic
- Deodorant Tweezers
- C Adhesive bandages, assorted sizes
- C Rolls of gauze or bandages
- T Hydrogen peroxide T First Aid book
- T First Aid tape

C Petroleum jelly





□ 2 Rolls of aluminum foil C Assorted plastic containers with lids



Week 2

Preserving Food &

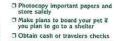
Important Documents Electrical power can be off for several days after a storm, so plan for power outages. Also, use waterproof containers to protect important papers important papers.

Cleaning & Supplies Week 4

 2 Packages of eating utensils, paper cups, paper plates
 Facial tissues (i.e. Kleenex) □ 2 Rolls of paper towels 7 4 Rolls of toilet paper D Liquid dish soap D Mosquito repellent T Matches 2 Pairs of latex gloves Broom, mop, and bucket

C Unscented liquid bleach Use What You Have

Stock up on personal care and cleaning items. Check your supplies now to make sure you have these supplies on hand. Don't forget disposable plates. Cups and durable, paper towels, and toble paper. Insect repolent and sector if you have an adequate supply on hand, you will not need to purchase them when you go shopping.



Rev. 05/12

Establish an out-of-state contact to call in case of emergency

TO DO LIST

Before the Season Starts

Make a family plan. Who does what and where will your family

Locate your water meter and electrical shutoff

Know the disaster plan of your child's school or daycare

Trim trees and store loose objects

Install/test your smoke detector

Use a video camera to tape the

contents of your home and store videotape with a friend who lives out of town

ride out the storm



for supplies can be expensive and strenuous. Shopping for items a little at a time before an event, can reduce the stress of recovery by avoiding long lines and empty shelves.

Get a Head Start & Be Prepared!

Keep in a Waterproof **Portable Container**

· Will, insurance policies, contracts, deeds, stocks, and bonds

· Passports, social security cards, immunization records

· Bank account numbers

companies

important telephone numbers

· Family records (birth, marriage, death certificates)



Save this comprehensive list of emergency kit supplies created just for you!







Get Involved

Help your NEIGHBORS before, during, and after a disaster.

HELP THEM PREPARE

Collect supplies for emergency kits. Help installing shutters. Help clean debris from yards.

HELP THEM EVACUATE

Do they know where the nearest shelters are? Do they have special medical needs and have they pre-registered for Special Needs Shelter?

HELP AFTER THE STORM

Check on neighbors after the storm. Help remove shutters. Share supplies and resources until help arrives.





Get Involved



For more information: 561-712-6400 readypbc.com







Our Website

www.ReadyPBC.com

Emergency Information Center (EIC):



Hurricane Planning Guide
 Preparedness Information
 Know Your Zone
 Sheltering information and locations
 Volunteering
 And much more

(561) 712-6400







ALERTPBC Palm Beach County's Emergency Notification System



Sign up at readypbc.com



Download PBC DART App!



Click and download app below:









Wireless Emergency Alerts (WEA) is a joint effort between government & Wireless industry that broadcasts emergency alerts to mobile devices.

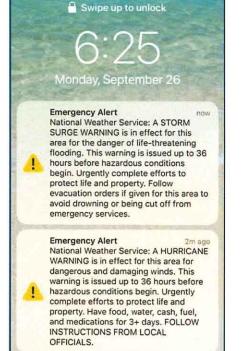
NWS activation WEA for tropical warnings:

- Hurricane Warnings
- Extreme Wind Warnings
- Storm Surge Warnings

Also activate for:

- Tornado Warnings
- Flash Flood Warnings

Geotargeted and not subject to network congestion!

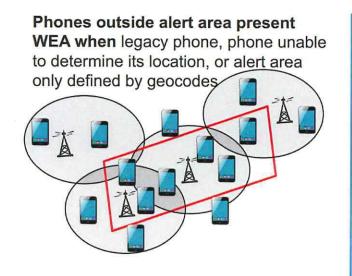




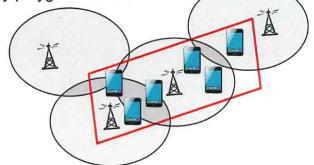


Wireless Emergency Alerts (WEA) Geotargeting

WEA is a cell broadcast from cell antennas in and around the alert area



Only phones inside alert area present WEA if phone is WEA 3.0 capable, phone knows it's location, and alert area defined by polygon or circle



Note: Wireless carriers attempt to render WEA if phone travels into the alert area











How Can You Help





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Understand Response Priorities

• Priority 1: Life saving/life safety & security

- high hazard areas,
- · high-risk populations, and
- search and rescue situations
- Priority 2: Establish communications
- Priority 3: Mission critical operations
 - Meet basic human needs
- Priority 4: Mission critical infrastructure
 - Open roads, schools, businesses
- **Priority 5**: Environmental hazard mitigation





Your Role

Reinforce EOC actions & priorities: Assist with federal declarations:

- Work with lawmakers to "turn on" FEMA programs
- Special requests for federal assistance
- Reimbursement support
- Consistent messaging:
- Reinforce protective actions
- Reinforce public information





Your Role

What we need to plan for with the federal proposals:

- \$ Expect to spend more local funds on disasters.
- \$ Expect a significant reduction to federal reimbursements.
- \$ Expect to cover 100% of the costs of damages to beaches and parks ('Category G' reimbursements ~ \$19,699,310 since 2017)











Thank you! Questions?



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