Agenda	Item:	Α
rigerida	ILCIII.	

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

WORKSHOP SUMMARY

======== Meeting Date:	======================================	
Department:	Public Safety	
	I. EXECUTIVE BRIEF	
Title: 2024 Hurrica	ane Preparedness Briefing	
Hurricane season a upcoming storm so Management (DEM Commissioners and provide support and from disasters. The	urpose of this briefing is to provide an up and the Public Safety Department's prepa eason. The Public Safety Department') relies on all County departments, as we I numerous local, state, federal, and non-p d resources to help Palm Beach County p DEM has worked with numerous stakeholeing of our residents and employees	redness strategies for the s Division of Emergency ell as, the Board of County profit volunteer agencies to plan, respond, and recover der agencies to ensure the
county's responsibi threatens the lives citizens rely on us for	Justification: Pursuant to Florida Statut lity to be prepared to respond to, and reco and property of residents and visitors of or emergency shelters, as well as, other cou mponent of our emergency response syste	over from, any hazard tha Palm Beach County. Ou untywide disaster functions
Attachments: Pres	sentation	
Recommended By	_ 1/	4/16/24 Date
Approved By:	Assistant County Administrator	5 6/2 Date

FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact **Fiscal Years** 2024 2025 <u>2026</u> 2027 2028 **Personal Services Operating Costs** Capital Expenditures **External Revenues** Program Income (County) In-Kind Match (County) **Net Fiscal Impact** # ADDITIONAL FTE POSITIONS (Cumulative) Is Item Included In Current Budget? Is this item using Federal Funds? No ___ Yes Is this item using State Funds? Yes No__ Budget Account Exp No: Fund _____Dept. ____ Unit ____ Obj. __ Dept. ___ Unit ___ Rev. __ Rev No: Fund _ _. <u>Prog.</u> B. Recommended Sources of Funds/Summary of Fiscal Impact: C. Departmental Fiscal Review: **III. REVIEW COMMENTS** A. OFMB Fiscal and/or Contract Dev. and Control Comments: B. Legal Sufficiency: Assistant County Attorne 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, Assistant County Administrator
Stephanie Sejnoha, Director Public Safety Department
Mary Blakeney, Director Division of Emergency Management
Rob Molleda, Meteorologist In Charge National Weather Service - Miami

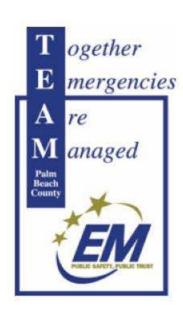
Agenda

- ➤ Emergency Management Overview
- Core Hazards
- ➤ 2023 Hurricane Season in Review and the 2024 Predictions
- > Preparedness Cycle
- ➤ How You Can Help





Division of Emergency Management



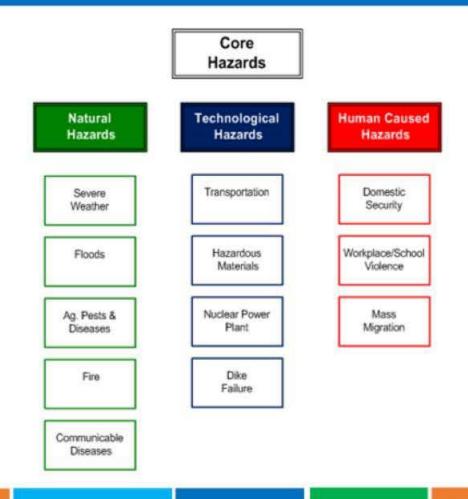
Our Vision

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.





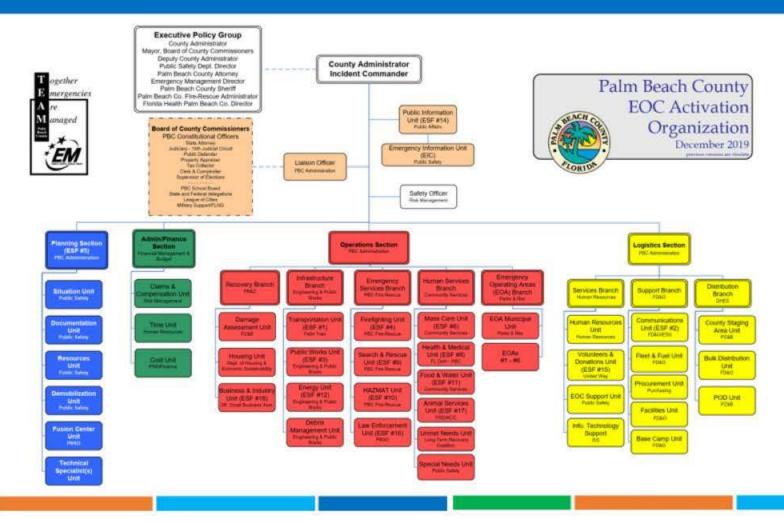
Our Hazards







Our TEAM







2024 Atlantic Hurricane Season

- 2023 was forecasted to be nearnormal year
- 2024 is forecasted to be an average to above average year

	Avg	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Forecast	
Named	14	18	30	21	14	20	23	22 21 (15 12 12 12 12 12 12 12 12 12 12 12 12 12
Hurricanes	7	6	13	7	8	7	11	23 21 22 20 3
Intense (≥ Cat. 3)	3	3	6	4	2	3	5	TC CLAMBURY CONFIDENCE PROJECTION CONFIDENCE PROJECTION CHARGE PROJECTION CONFIDENCE PROJECTION CHARGE PROJECTION

2023

PHILIPPE.

DATE JAN 16-17 JUN 1-3

JUN 10-24 JUN 22-26 JUL 14-24 AUG 20-21

AUG 25-SEP 1 AUG 19-SEP 4 AUG 21-23 AUG 26-31 AUG 29-SEP 1

967-5-10 667-7-17 667-15-22 567-22-24

SEP 23-OCT B

96P39-00T1 00T11-13





NORTH ATLANTIC HURRICANE TRACKING CHART

3

It continues to be busy





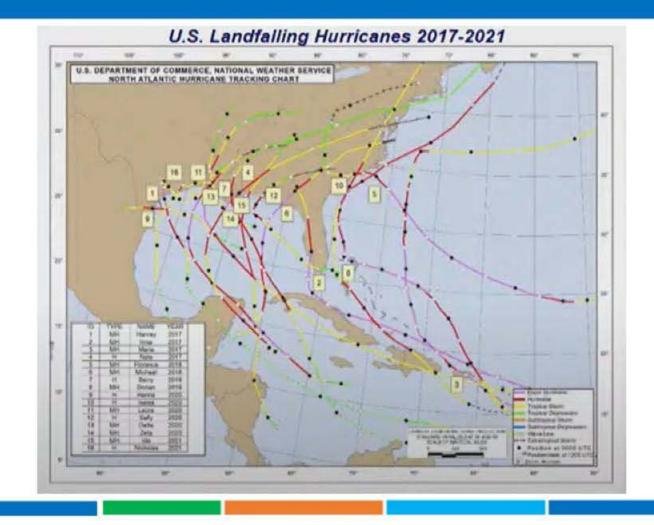






It continues to be busy

20 hurricanes have made landfall in the U.S. since 2017 (10 were major)



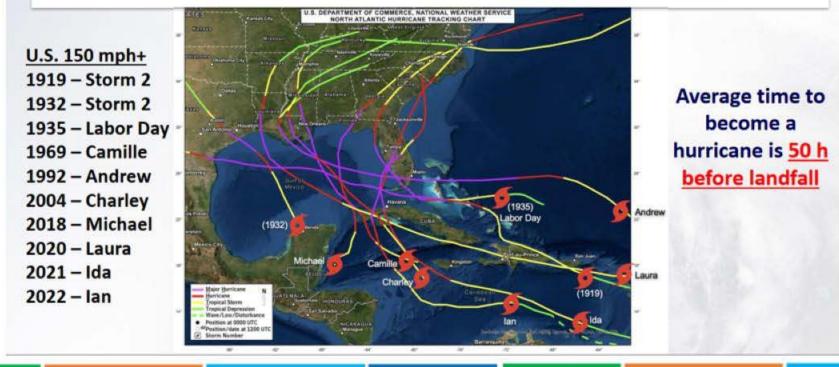




Plan now!

Shorten Lead Times

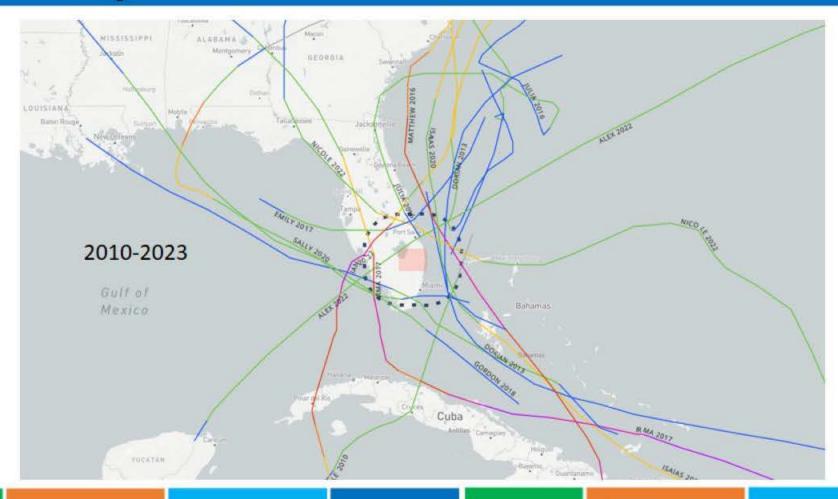
The Nation's Strongest – 150 MPH or Greater All But 1 Were Tropical Storms 3 Days Before Landfall







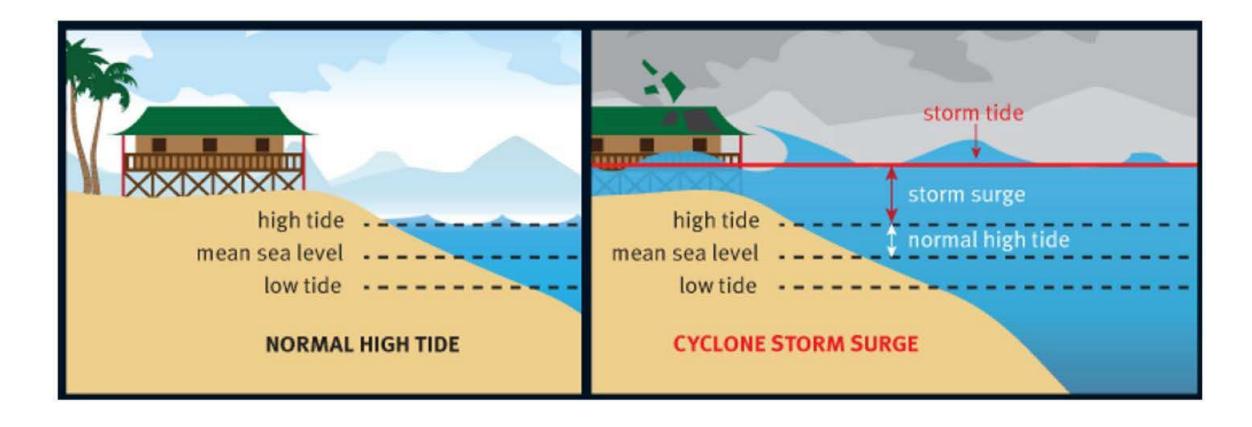
Hurricane Country







What is Storm Surge?







Storm Surge Impact Visualization Messaging





12

Storm Surge Flooding Impacts

Storm Surge Flooding Impacts

9 out of 10 weather-related deaths in tropical cyclones are due to water

Flooding >1 Feet



- Localized inundation
- Water on near-shore roads
- Moderate beach erosion

Flooding >3 Feet



- Areas of inundation, enhanced by waves
- Some roads washed out, especially in vulnerable low spots
- Major beach erosion

Flooding >6 Feet



- Large areas of deep inundation with battering waves
- Roads washed out with severe flooding
- Structural damage to buildings, some washed away
- Severe beach erosion

Flooding >9 Feet



- Widespread deep inundation, with powerful battering waves
- Flood control systems and barriers may be stressed
- Structural damage to buildings with many washed away
- Extreme beach erosion

NWS WFO Weather Forecast Office



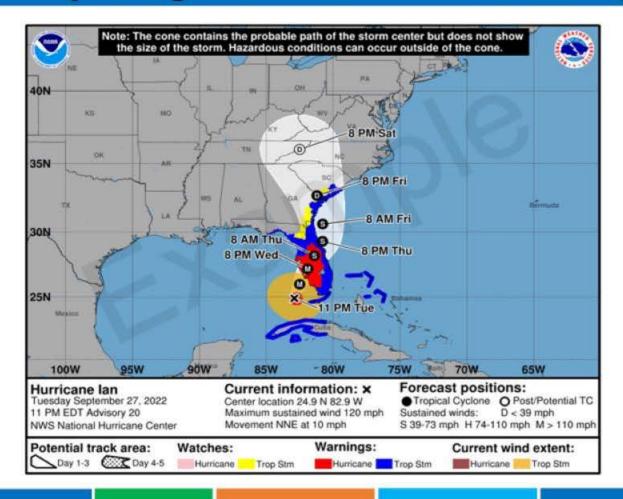


Hurricane — photos





Depicting Inland Watches/Warnings on Cone



- New experimental cone graphic depicting inland U.S. tropical storm and hurricane watches and warnings will become available in 2024
- 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
- Will be available beginning on or around August 15, 2024





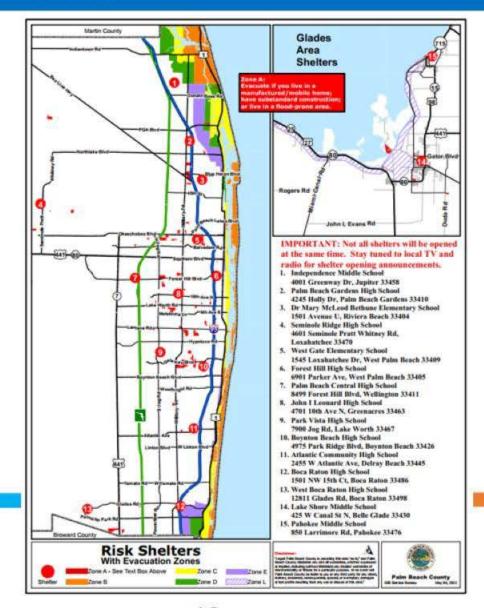
Forecasts Change

When can 20 miles = 125 miles? (Fort Myers to Tampa) Shifts in Track along a north-south coastline Cedar Key Cedar Key Tampa Bay Tampa Bay Fort Myers Fort Myers 25 mile shift west 20 mile shift west Fort Myers to Tampa Fort Myers to Cedar Key (Distance = 265 miles





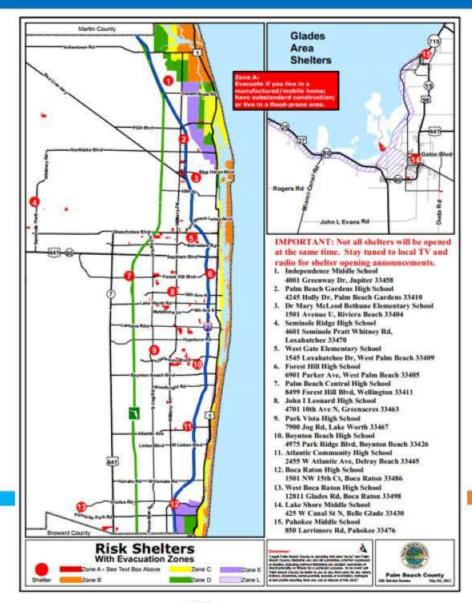
Hurricane Evacuation Zones







Hurricane Risk Shelters







Employee Disaster Response Program (EDRP)

Position	# of County Employees
Department Essential	4,014
EOC Essential	206
Emergency Information Center (EIC)	86
Disaster Service Agents	906
Disaster Team Leaders	66
Disaster Field Workers	109





Employee Disaster Response Program (EDRP)















Shelter Staffing

Function/role	# of Employees Assigned
Shelter supervisors	61
Shelter support staff	543

Palm Beach County General Population Shelter Organizational Chart T ogether mergencies Mass Care Unit M anaged **Emergency Operations Center** Shelter Management Team School District Principal - Sheter Manager PBC Supervisor ARC Supervisor **Health Services Shelter Operations** Logistics School District Fire Rescue **PBC Employees** Shelter Law Enforcement Fire Rescue Supervisor School District Local Agency PBC Employees American Red Nursing Custodial Cross Volunteers Local Agency School District (When Assigned) Nursing Spontaneous Facility Maintenance Assistance Volunteers School District CNA Contract Mental Health Cafeteria Staff Local Agency School District March 1, 2019





Previous versions are cocciety

Shelter Staffing











Palm Beach County

Training and Exercises















Plan NOW



Disasters Don't Plan Ahead. YOU CAN.

- Encourage planning for disasters a priority for everyone; employees, residents, family & friends
- Encourage your businesses to be prepared
- Encourage your constituents to be prepared at every opportunity





Plan NOW

Your four step approach to preparedness:

Make A Plan

2 Build A Kit

Get Involved

4 Be Informed





Make a Plan



- Know Your Hazards
- Know Your Zones
- Have a Communication Plan





Make a 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







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

Week I

- 1 Gallon of water per person per day for at least 5 days, for drinking and sanitation
- Sandwich bread (freeze until needed)
- 3 Boxes of quick energy snacks (i.e. granola bars or raisins)
- 2 Cans of ready-to-eat-soup
- 1 Box of crackers
- Dry cereal
- 13 4 Cans of fruit
- 7 5 Cans of meat
- 17 4 Cans of vegetables
- I Jar of jelly or jam
- 1 Large can of juice
- Instant coffee/tea/ powdered drinks

Health & First Aid

Water

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

Storage

3 2 Boxes of large plastic zip bags

- O Plastic wrap
- 2 Rolls of aluminum foil Assorted plastic containers
- 3 Boxes heavy-duty garbage bags. The Waterproof portable plastic container with Ild

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.



Week 2

Palm Beach County Public Safety Department Emergency Management Division

www.pbcgov.org/dem



Palm Beach County **Board of County Commissioners**

In accordance with the provisions of the ADA, this timphice can be made available. in an alternate format. Contact Emergency. Management at (561) 712-6400.

Berg 06/12



Emergency Supply Kit Shopping List

Everyone needs to prepare for emergency situations, but shopping 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!

Cleaning & Supplies

1 Bottle of shampoo

- T I Box sanitary hand wipes/liquid
- 1 Large tube of toothpaste.
- ☐ Antiseptic
- ☐ Deodorant
- Adhesive bandages, assorted sizes

First Aid

During a storm, phone and electrical

lines go down. Dangerous weather

yourself and your family with CPR

and First Aid training can save the life of a

conditions prevent emergency

vehicles from responding to emergency situations. Preparing

Management

- ☐ Rolls of gauze or bandages
- Thydrogen peroxide
- T First Aid book
- O First Aid tape
- 7 Petroleum jelly
- Rubbing alcohol

I Unscented liquid bleach Use What You Have

C 2 Packages of eating utensils,

paper cups, paper plates

D 2 Rolls of paper towels

3 4 Rolls of toilet paper

12 Pairs of latex gloves

3 Broom, mop, and bucket

T Liquid dish soap

T Matches

☐ Mosquito repellent

Tracial tissues (i.e. Kloenex)

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 utensils, paper towels, and toilet paper. Insect repellent and sunscreen should be included. If you have an adequate supply on hand, you will not need to purchase them when you go shopping.

TO DO LIST Before the Season Starts

- Thake a family plan. Who does what and where will your family ride out the storm
- I Locate your water meter and electrical shutoff
- I Know the disaster plan of your child's school or daycare
- Trim trees and store loose objects
- I Install/test your smoke detector I Use a video camera to tape the
- contents of your home and store videotape with a friend who lives out of town
- Photocopy important papers and store safely
- 7 Make plans to board your pet if you plan to go to a shelter
- Obtain cash or travelers checks
- ☐ Establish an out-of-state contact to call in case of emergency

Keep in a Waterproof **Portable Container**

- · Will, insurance policies, contracts, deeds, stocks, and bonds
- . Passports, social security cards, immunization records
- · Bank account numbers
- · Credit card account numbers and companies
- · Inventory of valuable household goods, 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

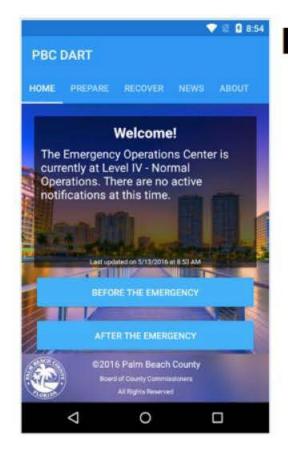
Volunteering

> And much more

(561) 712-6400







Download PBC DART App!



Click and download app below:















Sign up at readypbc.com



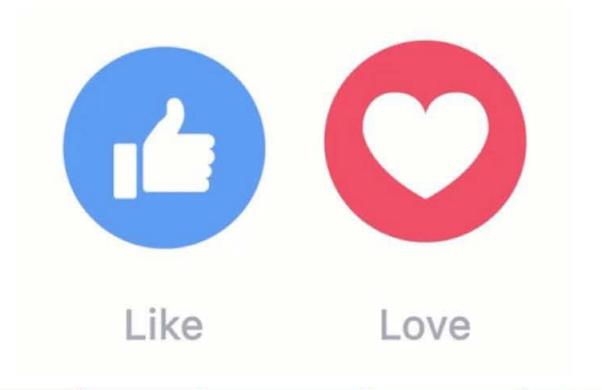


Follow us!













How Can You Help







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







Thank you! Questions?



