

## MIAMI-DADE COUNTY OVERVIEW

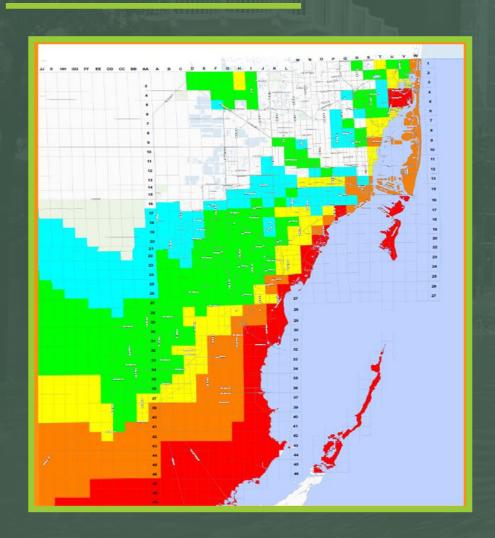
- 2,000 square miles
- World's busiest cruise port
- 2.6 million residents
- Second busiest US airport for international travelers
- Gateway to the Caribbean and Latin America

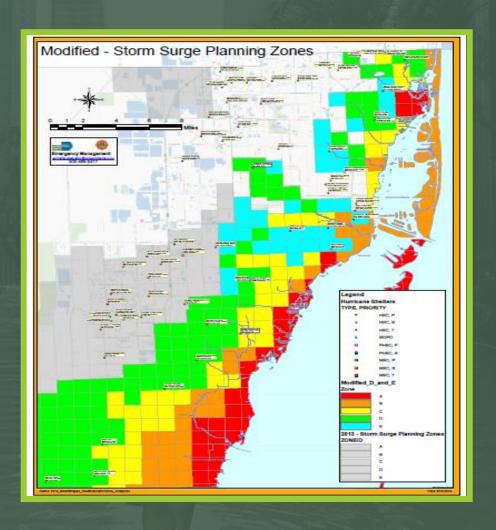


#### **ALL HAZARDS RISKS**



## STORM SURGE PLANNING VS. EVACUATION PLANNING





#### **KNOWYOUR ZONE!**

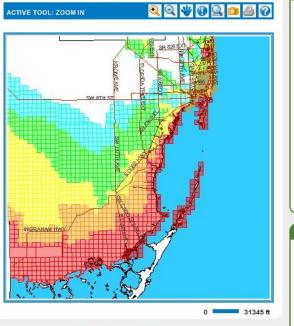
#### Storm Surge Zone Finder

- Allows residents to identify what surge zone they are in
- Available on miamidade.gov

# Services Near You MIAMI-DADE COUNTY Back to Services Search By Address Intersection Landmark Enter the address and click Locate. Use the Tab key to switch between fields or click using the mouse. Have A Numbers MIAMI-DADE COUNTY Storm Surge Planning Zones Map ACTIVE TOOL: 200M IN Storm Surge Planning Zones Map ACTIVE TOOL: 200M IN A







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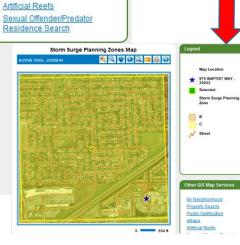
#### **Map Report**

Storm Surge Planning Zone:

Zone: C

Color: Yellow

Grid: C35



Other GIS Map Services

My Neighborhood

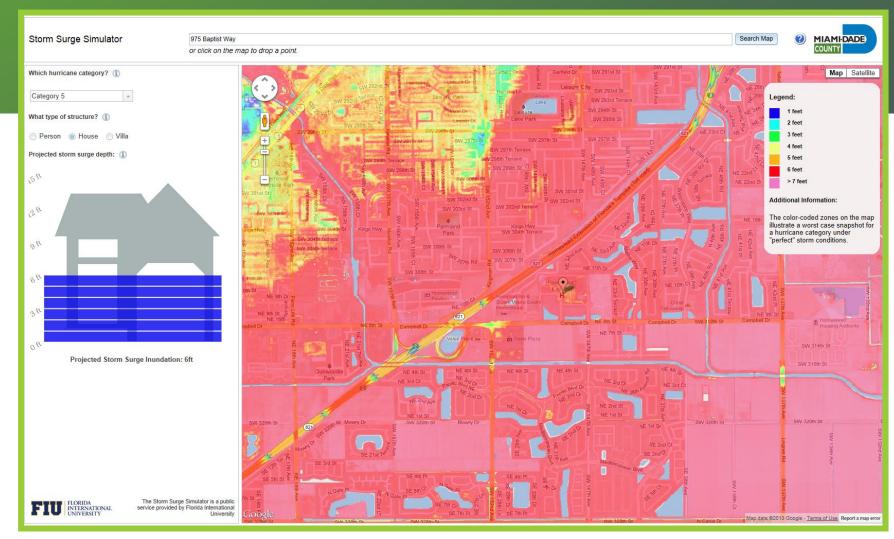
Public Notification

Property Search

eMaps

## **STORM SURGE SIMULATOR**

Partnership with FIU



## **PARTNERS**



Office of Emergency

Management



National Weather Service



National Hurricane Center



Florida Division of Emergency Management



**FEMA** 

## PROTECTIVE ACTION DECISIONS

The Challenge

Communicate the data effectively

Interpret data correctly Reach defensible conclusions



### STORMACTION LEADTIME



#### SALT

SALT is a planning tool to provide emergency managers a schedule of key activities that must be accomplished to prepare for the storm and assists in this decision making process by organizing and identifying planning milestones and decision times.



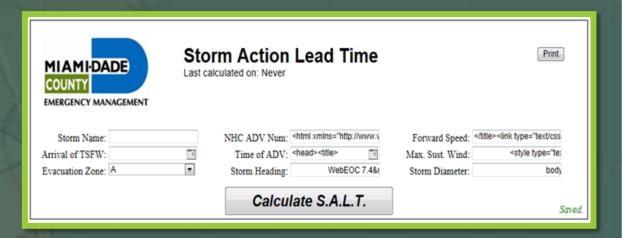
#### Schedule

The schedule is based on an objective analysis of when an activity must commence in order to fully accomplish the task prior to arrival of tropical storm winds



#### Partnership with NHC & NWS

The official National Hurricane Center and National Weather Service forecasters are the exclusive storm forecasts data entered into the application





## **CLEARANCE TIMES**

	Zone A Lead Time	Zone B Lead Time	Zone C Lead Time	Zone D Lead Time	Zone E Lead Time
In-County	26	28	37	56	73
Out-of-County	26	28	37	56	73

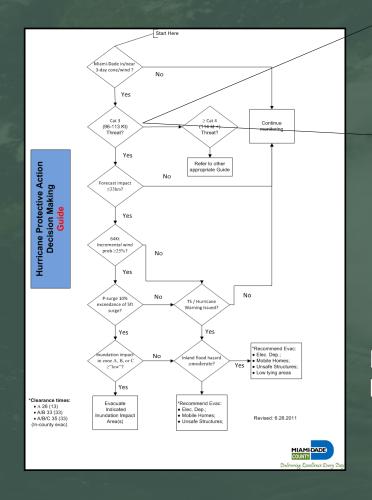
#### **NWS GRAPHICS AND FORECAST PRODUCTS**

## With tropical storms and hurricanes, it's all about impacts

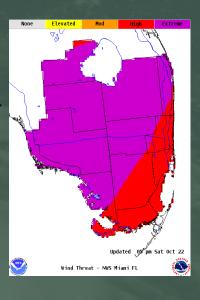
- Utilized to execute our plans
- Potential impact graphics depict the worst
   of all plausible impacts and scenarios



## **STORM INTENSITY**



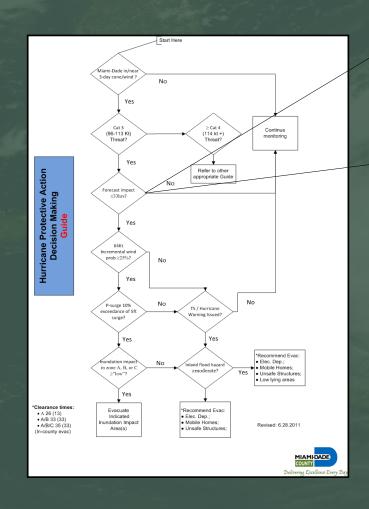
At least Cat 3 Threat?



OR

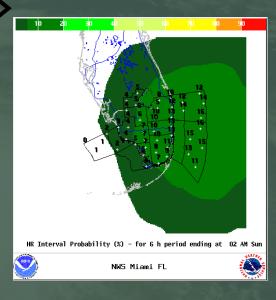
FORECAST VALID XX/XX00Z 31.4N 77.5W MAX WIND XXX KT...GUSTS XXX KT.

## **CLEARANCE TIMES**



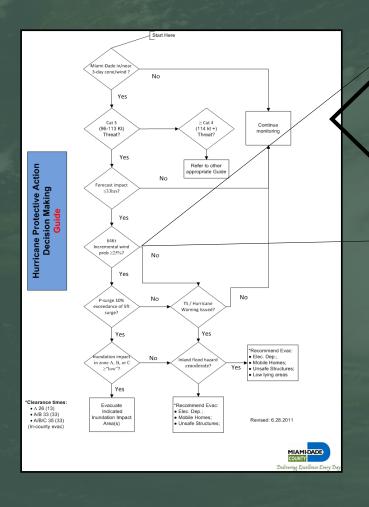
Forecast Impact < 37 Hrs

Available 2012 season



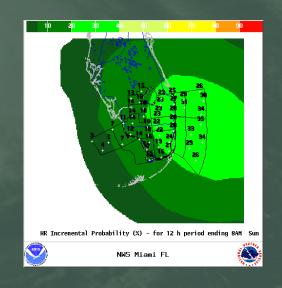
**FORECAST** VALID XX/XX00Z 31.4N 77.5W MAX WIND XXX KT...GUSTS XXX KT.

## WIND PROBABILITIES

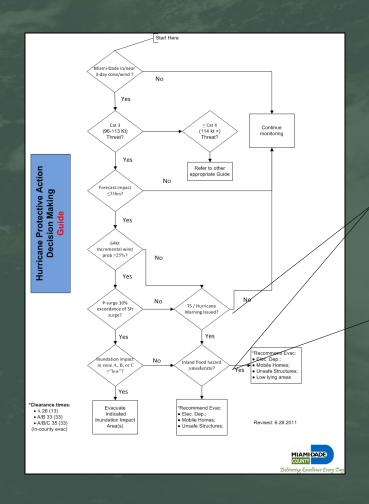


64Kts
Incremental
WSP >= 15%

Period	2014		
	PWS64	PWS34	
00-12 <u>hr</u>	25%	45%	
13-24 իր	20%	35%	
25-36 hr.	15%	30%	
37-48 <u>hr</u>	12.5%	25%	
49-60 <u>hr</u>	10%	22.5%	
61-72 hr	8%	20%	
73-84 <u>hr</u>	7%	17.5%	
85-96 <u>hr.</u>	6%	15%	
97-108 hr	5%	12.5%	
109-120 <u>br</u>	4%	10%	



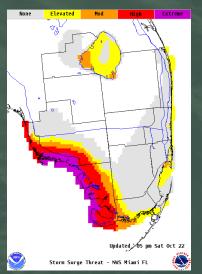
### **COASTAL FLOODING**



PSurge2.0 in 10% Exceedance Cumulative Form

Inundation
Impact
in zone A, B, or C
>= "Elevated"?

Elevated— an elevated threat to life and property; reasonable chance of combined storm surge and tide resulting in sea water inundation of 1 – 3 ft.



## IMPLEMENTING PROTECTIVE ACTIONS



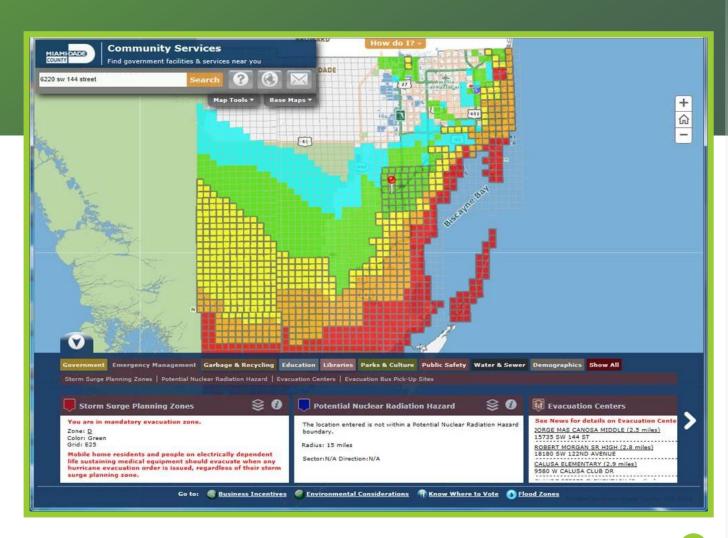
#### **Evacuation Order**

- If the decision is to evacuate then we must start the work of communicating with our agencies and positioning resources to open HECs, facilitate transportation (buses, STS, etc.), lift tolls and address impediments on the roadway.
- Communicate the evacuation order to the public via the press and emergency alerting



#### **AMIINTHE EVACUATION ORDER?**

Residents can call 311 or view the evacuation order on our website

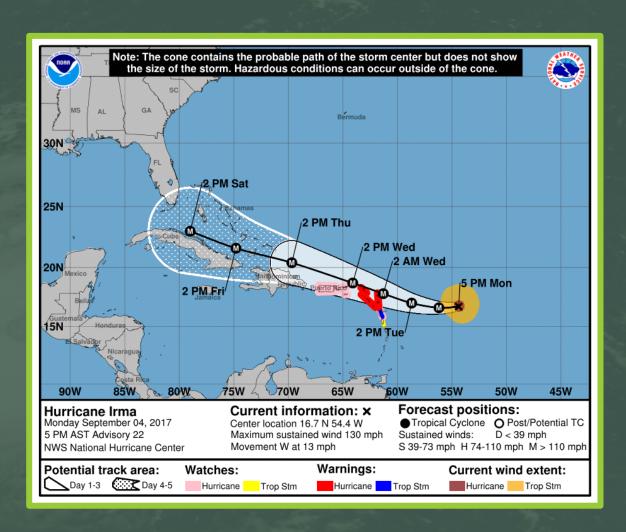






- On Monday, September 4, Miami-Dade County is within the 5-day forecast cone of Major Hurricane Irma
- The Miami-Dade Office of Emergency

  Management initiated preparatory actions
- Governor Scott issues Executive Order #17-235 declaring a state of emergency for all 67 Florida counties



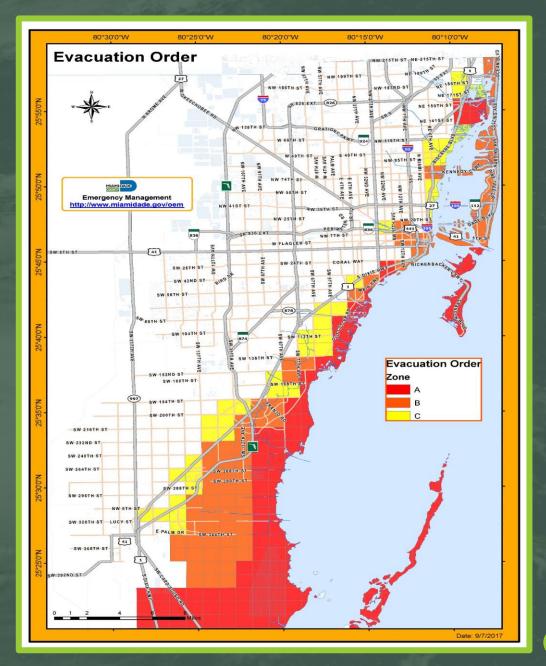


- On Wednesday September 6, the Miami-Dade EOC is activated to Level 1 (Full-Scale)
- Transportation of special needs clients has commenced
- 3 General population & 1 Pet Friendly Evacuation Center are opened
- That evening an evacuation order is issued for portions of Zone A and the Barrier Islands





- On Thursday September 7, Hurricane Irma is a category 5 hurricane with maximum sustained winds of 185 mph it continues on a WNW track towards Miami-Dade County.
- A total of 1,717 evacuees and 14 pets are in 8 evacuation centers.
- The County Mayor expands the mandatory evacuation to include all of Zone A, all of Zone B and portions of Zone C.



#### Human Services



- Feeding
- Salvation Army 14,648 meals
- American Red Cross 82,000 meals
- United Way Miami/Miami-Dade VOAD 5,895 meals
- Feeding South Florida 380,000 meals
- Disaster Nutrition Assistance Program provided at five locations between October 11<sup>th</sup> and 15<sup>th</sup>
- Blue Roof Program
- Disaster Survivor Assistance Team
- Disaster Recovery Centers



#### Individual and Public Assistance



- Individual Assistance
  - 399,884 approved applications for a total \$447,235,536
- Small Business Administration
  - Loans approved = 6,079
  - Total Dollars approved \$223,890,000
- Public Assistance
  - 108 applicants within Miami-Dade County
  - 1,132 projects
  - Miami-Dade County government's requested \$308.7 million in reimbursement
  - Amount awarded to date \$29.6 million (05/03/19)



#### **Evacuation Centers**



- 31,000 evacuees
- 43 Evacuation Centers opened
  - 38 General Population
  - 4 Pet Friendly Evacuation Centers
  - 1 Medical Evacuation Center
- 270 electrically dependent evacuees in 22 county hospitals



#### Recovery



- The Small Business Administration has approved 6,079 disaster loans worth \$224 million for Miami-Dade County residents & businesses
- 779,355 residents have applied for FEMA Individual Assistance
- 108 applicants for FEMA Public Assistance within Miami-Dade County worth \$471,264,694.20
- Four million cubic yards of hurricane debris from the
   320 square miles of county roads
- \$3.9 million in mitigation funding obligated to 32 projects

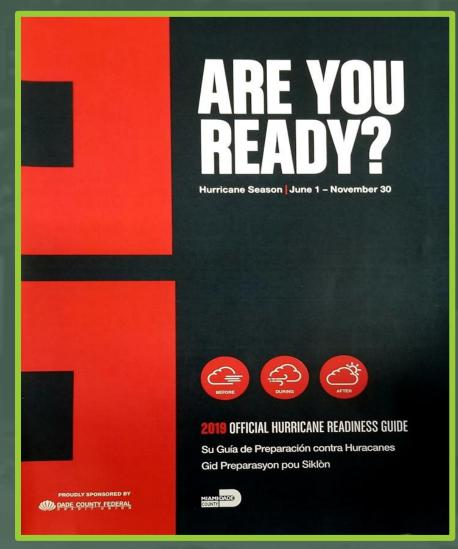


#### 2019 MIAMI-DADE HURRICANE GUIDE

#### Contents include:



- County Mayor's Message
- County Commissioners' Contact Info
- Evacuation Information
- What to do Before, During & After a Storm
- Disaster Kit Checklist
- Safety Tips
- Door Hanger Program
- Storm Surge Planning Zones Map
- 311 Contact Center Information
- Preparation for Recovery
- Phone Numbers, Websites and Social Media



### **READY MIAMI-DADE APP**



#### Contents include:

- Know Your Zone (evacuation zones)
- Evacuation Order
- Evacuation Bus Pick-up Points
- 311 Contact Center Direct info
- Evacuation Information
- What to do Before, During and After a Hurricane
- Safety Tips
- Phone Numbers, Websites and Social Media
- Hurricane Guide



