

# Hurricanes 101

(Not the sports team)

## Hurricane Season: June 1st - November 30th

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### Prepare your home:

- Move yard furniture inside
- Put up hurricane shutters
- Fill bathtub with water
- Evacuate when told (see back)
- Ensure your vehicle is prepared
  - Full tank of gasoline, fully charged vehicle, etc.

### Understand the official guidance:

- Cone:** 66% likelihood that the **center** will fall in that region  
 This is not an impacts cone!  
 Significant damage can still occur outside the cone
- Watch:** Hazards are possible within 48hrs ("Be on guard")
- Warning:** Hazards are imminent ("Go to safety")

### Build a disaster kit:

- 1 gallon of water per person per day (for 1 week)
- Non-perishable/canned food (for at least 3 days)
- Prescription medication
- Hygiene items
- First-aid kit
- Charged mobile devices and portable charger
- Flashlight
- Battery-powered radio (and extra batteries)
- Important documentation
  - Insurance, phone number list (inc. doctor), bank account, numbers, social security card, proof of residency, etc.
- PPE (cloth masks, hand sanitizer, disinfectant)

### Precautions during a hurricane:

- Stay indoors during the passover of the eye!
- Stay away from windows
- If your home starts to flood, turn off the electricity at the mainbreaker
- Get under a mattress if your home starts to fall apart

**Category is based on wind speed alone**  
 You already don't want to be outside when winds are at tropical depression speeds  
**There are many other dangerous factors!**

Wind speeds	Tropical Depression	Tropical Storm	Category 1	Category 2	Category 3	Category 4	Category 5
	≤38 mph	39-73 mph	74-95 mph	96-110 mph	111-129 mph	≤130-156 mph	≥157 mph

### In the aftermath:

- Only leave when authorities tell you to
- Watch for live/escaped animals (e.g. snakes)
- Watch for downed power lines/electrical wires
- Watch out for debris and falling items
- Empty standing water to prevent mosquito breeding
- Take pictures of damage for your insurance supplier
- Beware of carbon monoxide poisoning



Flooding in Brickell during Hurricane Irma (2017) - photo from the Miami Herald



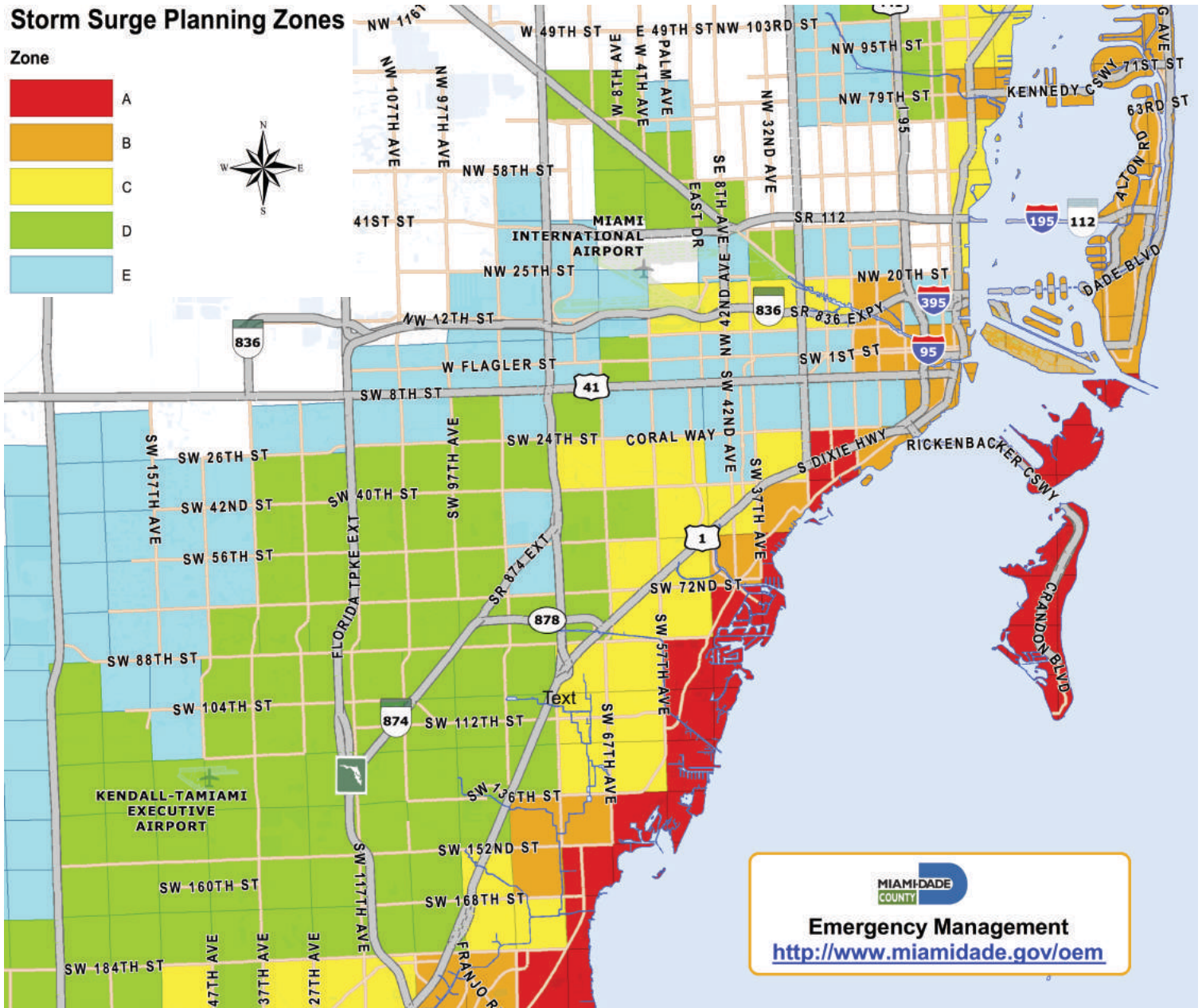
### Useful phone numbers and sites:

- Florida Power & Light:** 1-800-226-3545
- Miami-Dade County:** 311, miamidade.gov
- National Hurricane Center:** nhc.noaa.gov



If you have any questions, contact us at [sflhurricaneoutreach@gmail.com](mailto:sflhurricaneoutreach@gmail.com)

## Know your zone!



Evacuation zones in Miami-Dade County are based on storm-surge (flooding).  
Make sure you know which zone you live in, the local evacuation center, and evacuation route.

### Useful phone numbers and sites:

Florida Power & Light: 1-800-226-3545  
Miami-Dade County: 311, [miamidade.gov](http://miamidade.gov)  
National Hurricane Center: [nhc.noaa.gov](http://nhc.noaa.gov)

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ATMOSPHERIC SCIENCE

If you have any questions, contact us at [sflhurricaneoutreach@gmail.com](mailto:sflhurricaneoutreach@gmail.com)