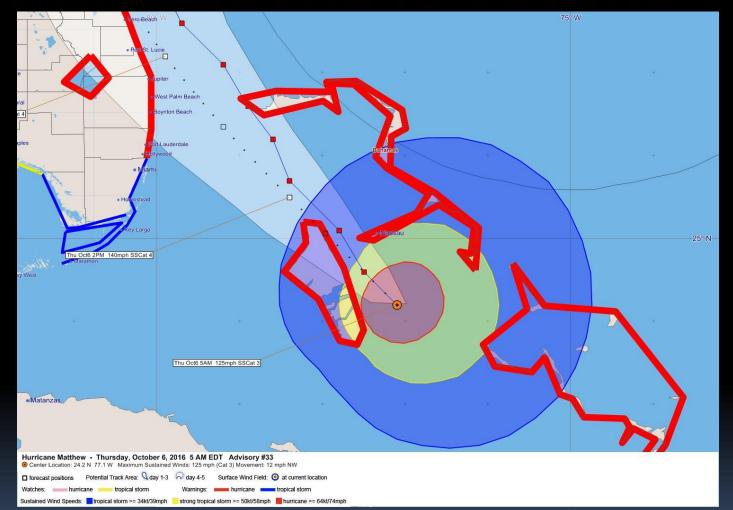
A HURRICANE IS COMING....



Presented by Atiba Upchurch Broward Emergency Management Division



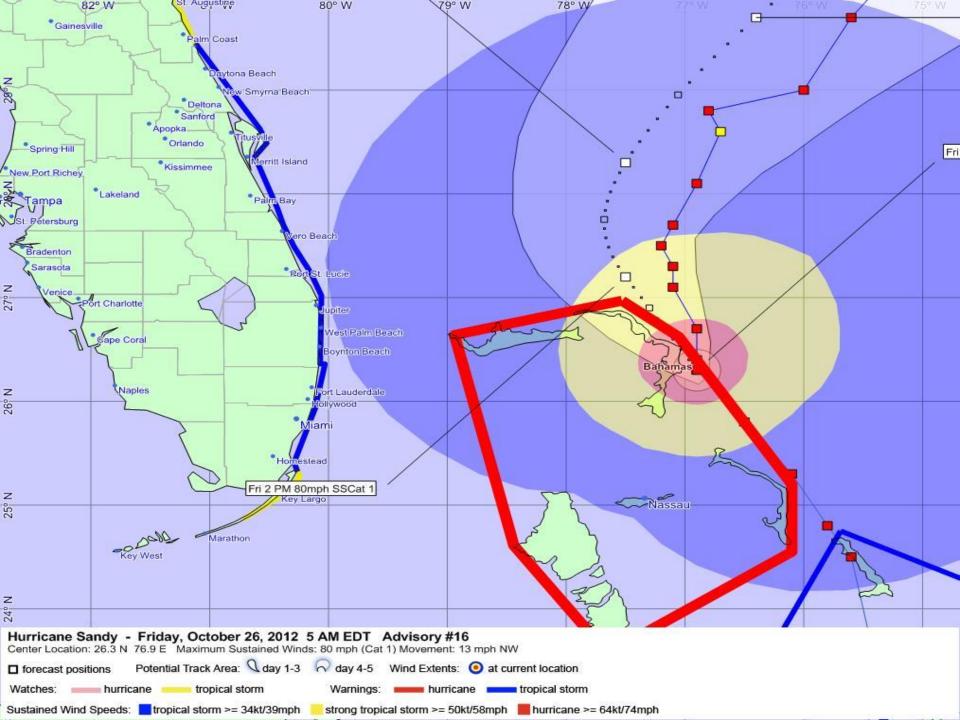
Mission Statement

To safeguard the lives and property of the people of Broward County from major hazards and emergencies through effective leadership, coordination, and implementation of mitigation, preparedness, response, and recovery initiatives with private, governmental and community partners.

The Hazards of a Hurricane

 Wind
 Rainfall and Flooding
 Storm Surge*
 Tornadoes
 We mainly only evacuate for storm SUrge

*kills more people than any other hurricane peril Hurricane Katrina: 1,833 died mainly due to storm surge. (NOAA)









Hurricane Matthew Event Timeline

- Saturday, Oct 1 EOC to Level 3 (Monitoring & Assessment)
 EMD Staff (*1st Flash Report issued)
- <u>Tuesday, Oct 4, 11:00 AM Broward County placed under Tropical Storm</u> <u>Watch</u>
- <u>Tuesday, Oct 4, 11:00 AM Mayor signs Declaration of Local State of Emergency</u>
- <u>Tuesday, Oct 4, 12:00 PM EOC to Level 2 (Partial Activation)</u>
 ESFs 5, 6, 8, 11, 14, applicable Section Chiefs, EMD Staff
- Tuesday, Oct 4, 5:00 PM Broward County under Hurricane Watch
- Tuesday, Oct 4, 11:00 PM Broward County under Hurricane Warning
- Wednesday, Oct 5, 12:00 PM EOC recommended voluntary evacuations for mobile homes and low-lying areas

F L O R L D A	Broward County Emergency Operations Center FLASH REPORT #01	CONTACT INFORMATION: Standard hours phone: 954.831.3900 Non-standard hours: 954.831.3911 FAX: 954.382.5805 ESF5@broward.org
1. INCIDENT NAME	2. DATE	3. TIME
Hurricane Matthew	October 1, 2016	1200 hours
4. BROWARD EQC ACTIVATION LEVEL	5. LOCAL STATE OF EMERGENCY DECLARED?	6. PREPARED BY
Level 3 – monitoring & assessment	None.	Broward EMD Duty Officer

7. SUMMARY OF CURRENT SITUATION AND ACTIONS

As of 1100 AM Hurricane Matthew is a Category 4 hurricane with sustained winds of 145 mph. At this time, it is still too early to say exactly what, if any, impacts Matthew will have on Florida. Parts of the southeastern Florida Peninsula are now within the 5-day average error cone. Also, parts of South Florida now have a 10% to 20% chance of seeing tropical storm force winds sometime within the next five days. Any possible impacts remain 4-6 days away, but Matthew is a very large storm and it has the potential to generate occasionally gusty winds and rough seas along the East Coast of Florida, with minor coastal flooding and erosion. Any additional impacts are dependent on the future track of the storm, which remains uncertain at this time. Should the storm take a track to the west of the error cone, there remains the possibility of hurricane force winds affecting South Florida. BEMD is closely monitoring this storm and will keep BERT members advised should we need to initiate any conference calls. An incident, **Matthew 2016**, has been created in <u>WebEOC</u>.

IMPORTANT NOTE: The following table identifies our *tentative* schedule based on the current NHC advisory. These estimated dates and times have not been confirmed and are likely to change based on the next NHC advisory. *These dates and times are to be used merely as a planning guideline*. The information contained in this advisory is to inform public safety agencies and is *NOT* intended for general, public, or media distribution. Please do not distribute this information to the general public or the media – the general public may be referred to the Broward Call Center at 954.831.4000.

Broward County EOC activated to Level 3 (monitoring & assessment)		
BERT conference call	None Scheduled	
Municipal EOC conference call	None Scheduled	

8. INCIDENT GRAPHICS AND ADVISORY



At 1100 AM EDT (1500 UTC), the eye of Hurricane Matthew was located near latitude 13.4 North, longitude 73.4 West. Matthew is moving toward the west near 6 mph (9 km/h). A turn toward the west-northwest is forecast later today, followed by a turn toward the north-northwest on Sunday and toward the north on Monday. On the forecast track, the center of Matthew will move across the central Caribbean Sea today and Sunday, and approach Jamaica and southwestern Haiti Sunday night and Monday.

Data from an Air Force Reserve Hurricane Hunter aircraft indicate that maximum sustained winds are near 145 mph (230 km/h) with higher gusts. Matthew is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are possible this weekend, but Matthew is expected to remain a powerful hurricane through Monday.

Hurricane-force winds extend outward up to 30 miles (45 km) from the center and tropical-storm-force winds extend outward up to 205 miles (335 km).

The latest minimum central pressure measured by the aircraft was 947 mb (27.97 inches).

9. APPROVED BY	10. TITLE	11. DATE/TIME
Miguel Ascarrunz	Director, BEMD	October 1, 2016/1200 hours

Hurricane Matthew Event Timeline

- Wednesday, Oct 5, 3:00 PM EOC continue at Level 2
 - ESFs 1, 5, 6, 8, 14, 16, applicable Section Chiefs, Branch Directors, EMD Staff
- Wednesday, Oct 5, ~9:00 PM Opened 10 shelters
 - 7 General Population, 1 Pet Friendly, 1 Adult Special Needs, 1 Pediatric Special Needs
- Thursday, October 6, 7:00 AM EOC to Level 1 (Full Activation)
- Thursday, October 6, ~3:00 PM Tropical Storm winds begin in County
- Thursday, October 6, 8:00 PM Broward County advisory lowered to Tropical Storm Warning
- Thursday, Oct 6, 11:00 PM EOC to Level 2
 - ESFs 1, 6, 8, 14, 16, 17, Call Center, EMD Staff
- Friday, Oct 7, 5:00 AM Tropical Storm Warning Cancelled
- Friday, Oct 7, 1:00 PM EOC to normal operating condition (Monitoring)

Countywide Information Gathering Before the Storm

Components with Decision Making

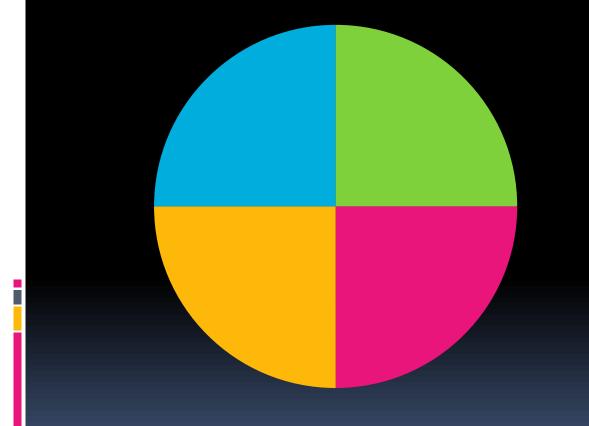
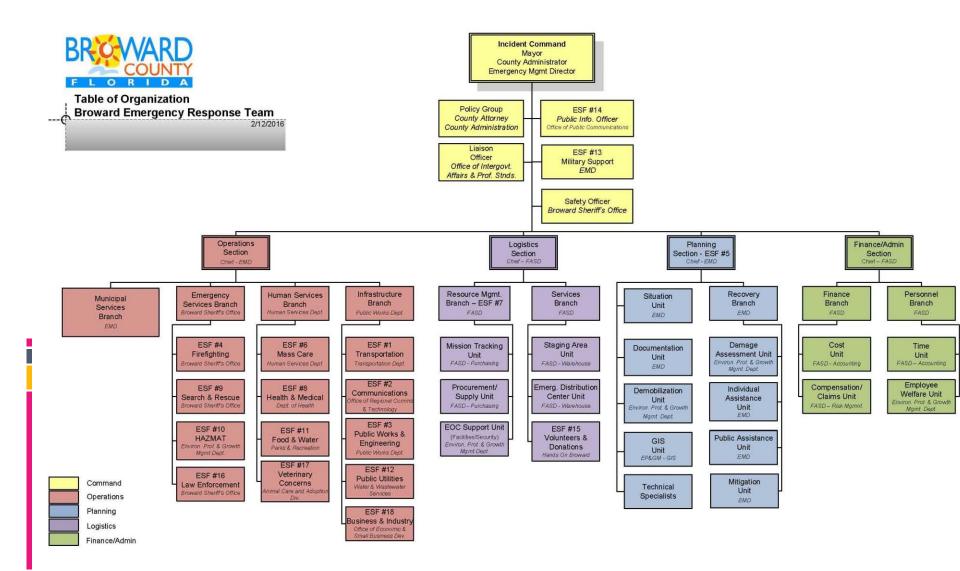
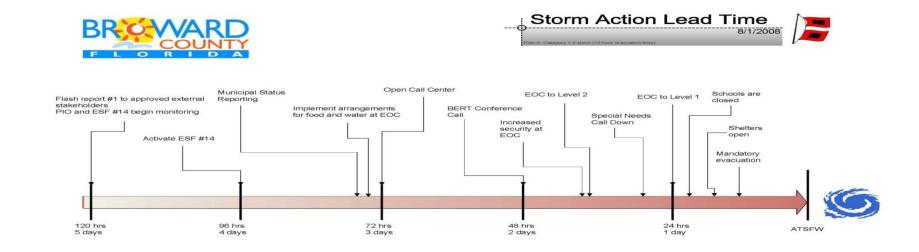


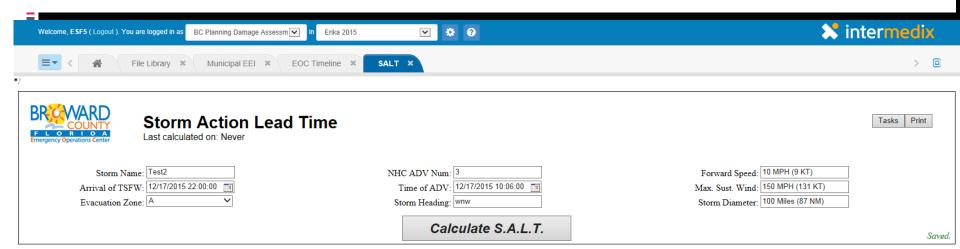
Table of Organization
WebEOC
SALT
Damage Assessment

Table of Organization



Storm Action Lead Time (SALT)





Types of Hurricanes

Category	Wind Speed	Storm Surge*
1	74-95 mph	4-5 feet
2	96-110 mph	6-8 feet
3	111-130 mph	9-12 feet
4	131-156 mph	13-18 feet
5	157 + mph	Over 18 feet

*Storm surge depth also depends upon the steepness or shallowness of the ocean or Gulf shelf; the Atlantic and Gulf coasts are generally shallow compared to other U.S. shorelines.

Mandatory Evacuation Plans

PLAN A – Typically a Category 1-2 hurricane: All residents in the area east of the Intracoastal Waterway

PLAN B

Typically a Category 3, 4 or 5 hurricane:
 All residents in the area east of U.S. 1
 And.....



Special Medical Needs shelters are appropriate for someone who:

- Has minor health/medical conditions that require professional observation, assessment, and maintenance
- Requires assistance with personal care and/or assistance with medications but does not require hospitalization or a medical institution
- All residents seeking shelter in a Special medical needs facility will be reviewed on an individual basis to determine the best placement for their needs.

Vulnerable Population Registry

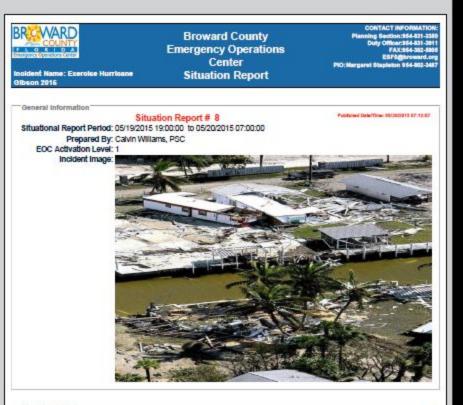
...a joint partnership between Broward County and its municipalities www.broward.org/atrisk





Who is it for?

- People who would be at risk after a storm, especially those with a disability, frailty or health issue.
- Does not guarantee that you will be provided services or placed on a priority list.
- First responders use this database to prioritize initial response.
- Register online at <u>www.broward.org/atrisk</u> or by calling the Broward County Call Center at (954) 831-4000 or 311



Weather Outlook

Weather Forecast

Locally we are at 76 degrees with winds out of the NW at 20 mph and overcast skies. The NWS has placed Broward County under Severe Thunderstorm and Flooding Warnings. More rain is forecast over the next 24 hours up to 6".

Gloson is currently located 50 miles east of the South Georgia coast. It is a Category 1 hurricane on the Safir-Bimpson Hurricane Wind Scale, with maximum sustained winds of 75 mph (65 kb), moving north-north-east at 17 mph. The estimated minimum central pressure is 974 mb. Hurricane-force winds extend outward up to 30 miles (45 km) from the storm center. Tropical storm-force winds extend outward up to 230 miles (370 km) from the storm center.

Summary of Current Situation and Actions

Current Situation

As of today, Wednesday, May 20, at 08:30 a.m., we are 37 hours post landfall of the hurricane. Our Rapid Initial Assessments (RIA) for damages has been initiated and the initial reports are that many of the County areas hardest hit are those which also experienced tomado damage (Holywood-Davie, Pompano-Coral Springs and Lauderhil). All areas of the county however are reporting moderate to severe damages.

There is major flooding, wind and storm surge damages evident throughout the county.

90% of County roads remain either cluttered or blocked due to debris.

Approximately 10% of the county's bridges are inoperable, primarily in the coastal communities and barrier islands.

Upwards of 80% of the County is without power.

County residents are not being allowed out into the streets unless they are employees of hospitals or are other First Responder agencies as many areas still have downed power lines in roads and over pedestrian travel points.

The EOC continues to receive damage assessments from first responders, Public Works and other sources.

At this point life-safety issues continue to be the highest priority.

Impacts after the storm





Local State of Emergency

State Emergency Declaration

Local, State, Federal Disaster

Joint Preliminary Damago Association Presidentia Disaster Declaration





Local

Initial Damage

American Red Cross PDA

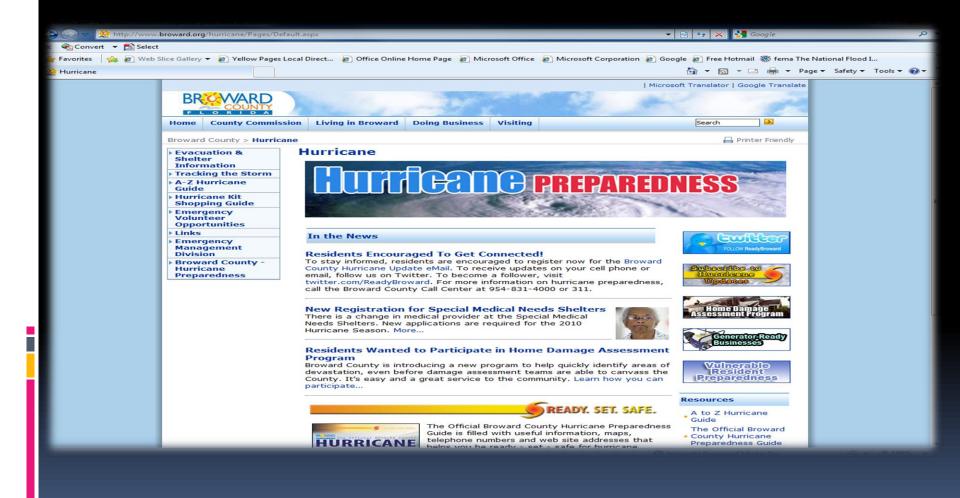
Impact Assessment >Public Assistance

Response

Recovery

Reconstruction

Home Damage Assessment Program



Report Your Damage

Three methods:

Internet Cell Phone Emergency Hotline

Data Entry Screen

Report the Address louse Number: Direction: Street Name ity: State: ZIP:	Street Type:
Select the Damage/Flood Level	
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	R DAMAGE HABITABLE A A A A A A A B A B A B A B A B A B A B A B A B B <

Terms of Use · Contact Us

What the pictures say.





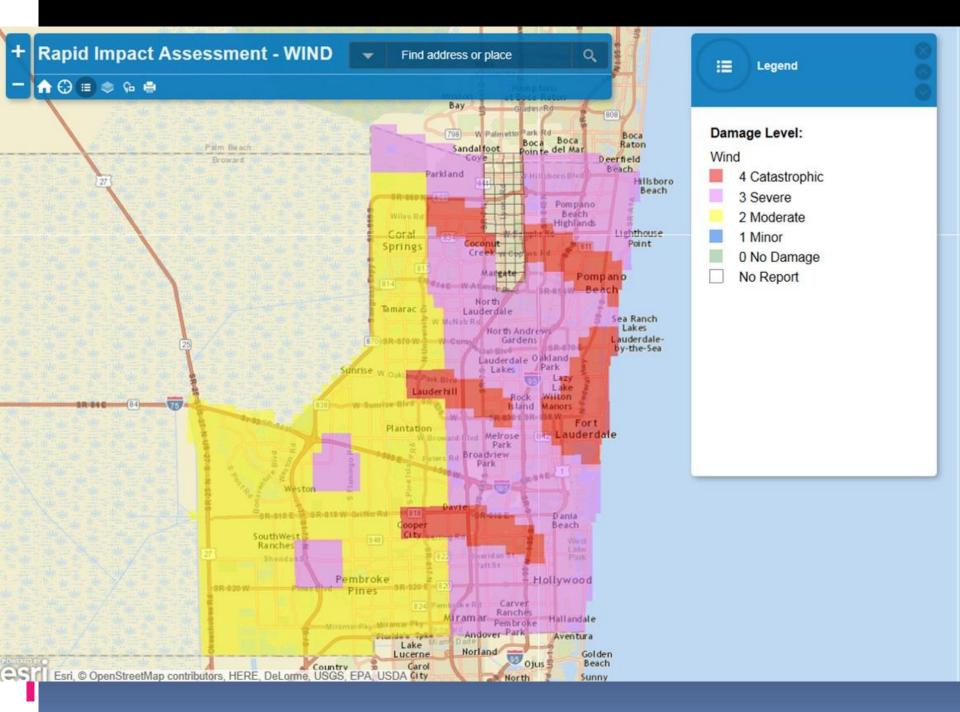
With tarps, you may be able to stay in your home.

Need long-term housing.





Longterm housing is needed.



+ Rapid Impact Assessment - FLOOD

Find address or place

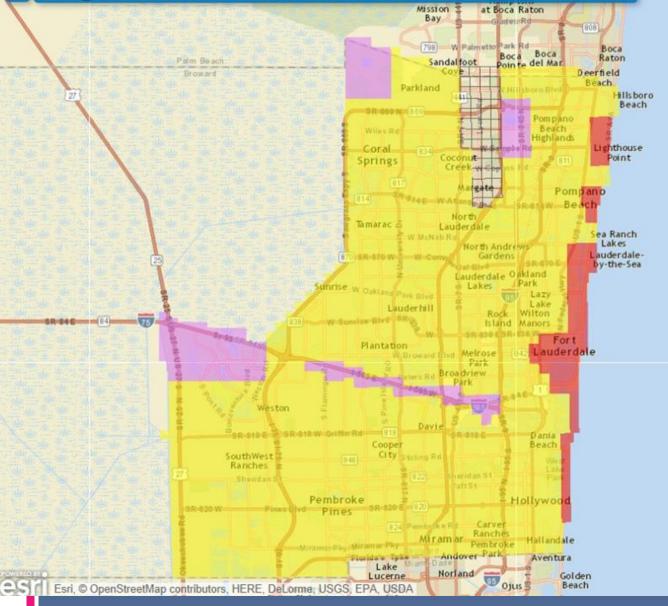
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Legend

Beach

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Prototype Storm Surge Watch/Warning Graphic*

Hurricane MATTHEW

Advisory 034 Issued: 11:00 AM EDT Thu Oct 6





Broward Emergency Management Division www.broward.org/emergency www.broward.org/hurricane **Florida Division of Emergency Management** www.floridadisaster.org **FEMA** www.fema.qov **READY (Ready America/Ready Business)** www.ready.gov Twitter - @readybroward Facebook – Broward County Emergency Management

Questions?