

IRMA AND THE FLORIDA KEYS

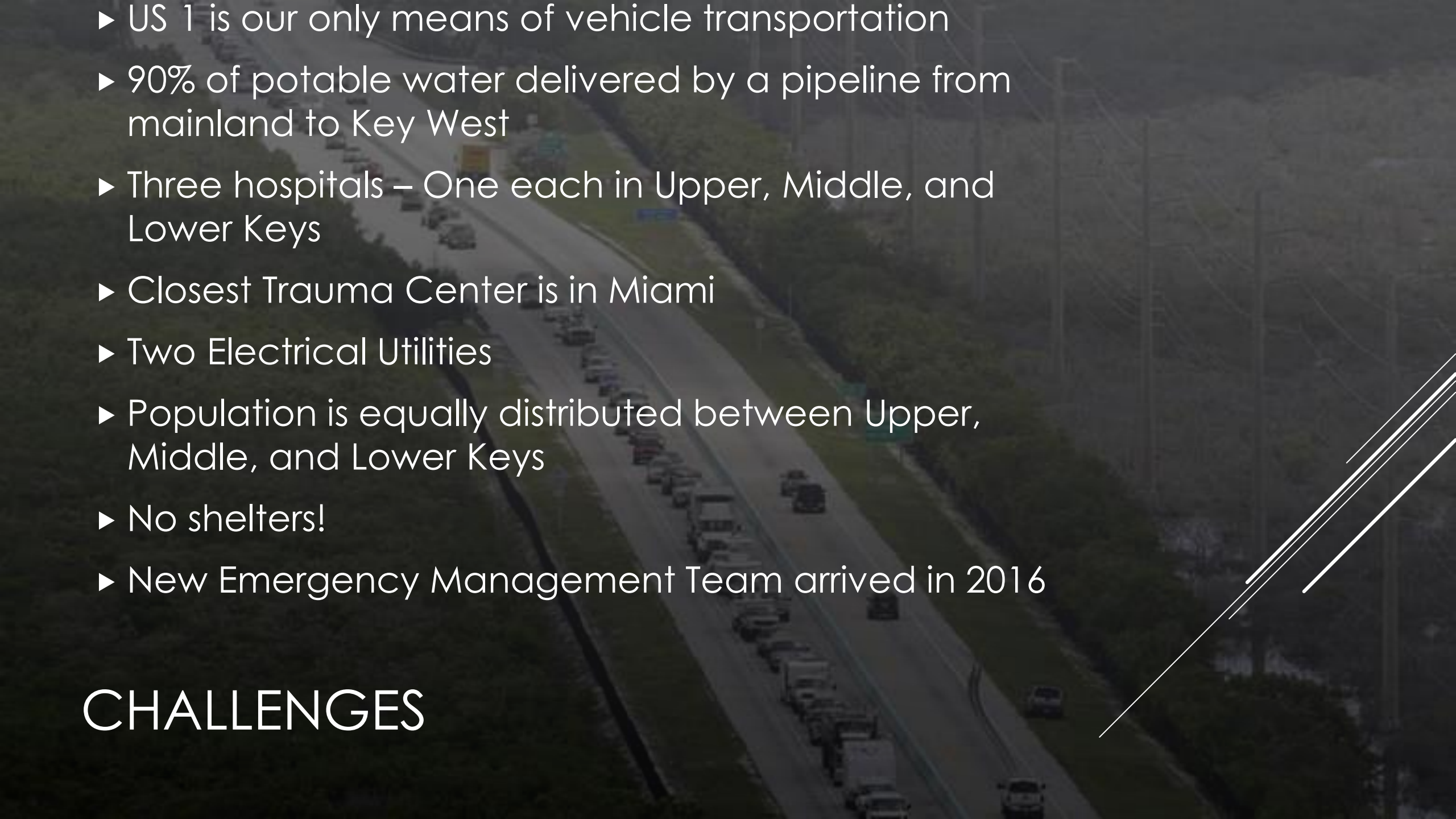


An Island Community
and its Emergency
Management
Challenges





- ▶ Population 79,000- Daily Tourism surges population to 150,000
 - ▶ 87% of the County landmass is on the mainland, but represents only six households
- ▶ 35,000 Households- 20,000+ additional Second Homes
- ▶ Median Household income \$42,283

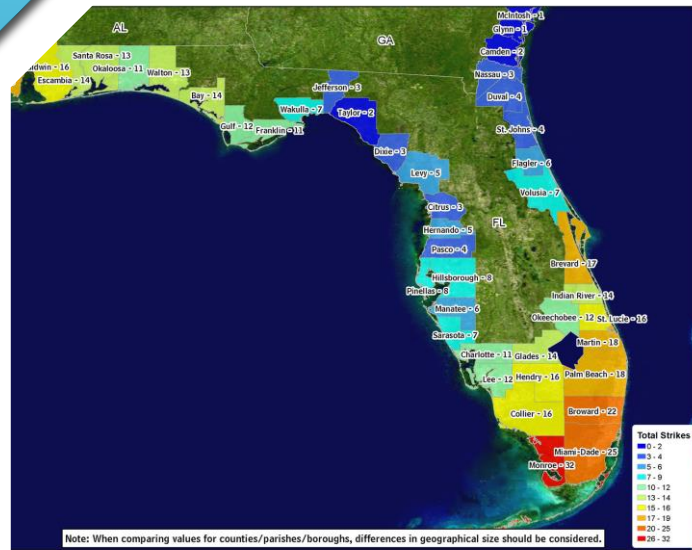
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- ▶ US 1 is our only means of vehicle transportation
 - ▶ 90% of potable water delivered by a pipeline from mainland to Key West
 - ▶ Three hospitals – One each in Upper, Middle, and Lower Keys
 - ▶ Closest Trauma Center is in Miami
 - ▶ Two Electrical Utilities
 - ▶ Population is equally distributed between Upper, Middle, and Lower Keys
 - ▶ No shelters!
 - ▶ New Emergency Management Team arrived in 2016

CHALLENGES

HURRICANE REALITY

▶ 32 Hurricane Strikes from 1900- 2010

▶ 15 Major Strikes from 1900- 2010



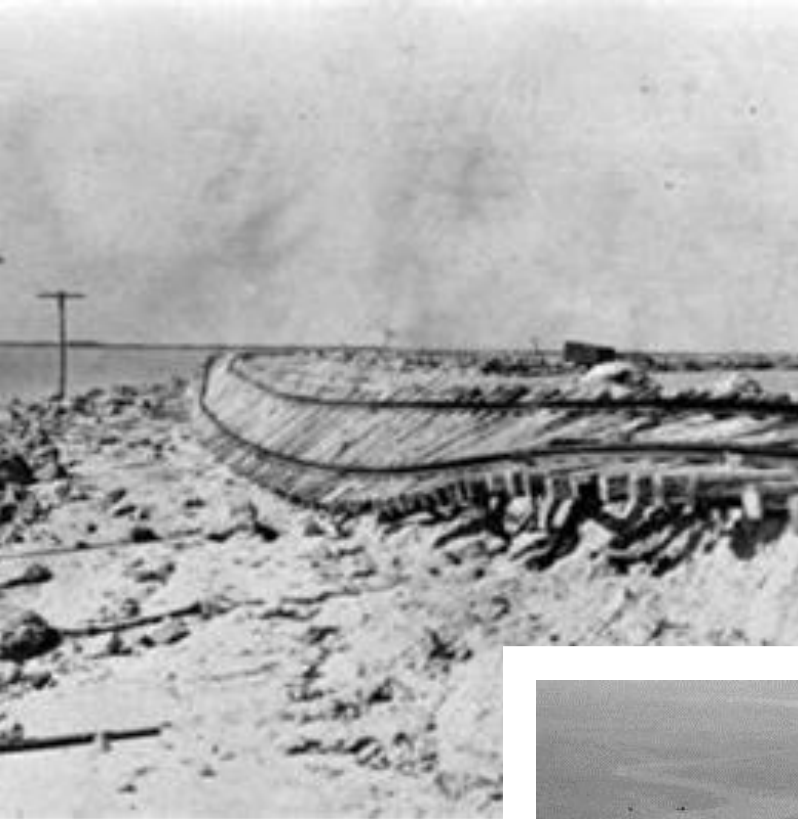
number of hurricane strikes by counties/parishes/boroughs, 1900-2010

WS BHC 46: Hurricane Experience Levels of Coastal County Populations from Texas to Maine. Jerry D. Jarrell, Paul J. Hebert, and Max Mayfield. August, 1992, with updates.



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cane Experience Levels of Coastal County Populations from Texas to Maine. Jerry D. Jarrell, Paul J. Hebert, and Max Mayfield. August, 1992, with updates.




- ▶ What would a Hurricane Response look like without US 1?
- ▶ Bridge Failure Reality of the Florida Keys

TOP: RAILROAD WASHOUT 1935
ISLAMORADA
BOTTOM: BRIDGE WASHOUT- 1960
HURRICANE DONNA- MARATHON



HURRICANE IRMA 2017

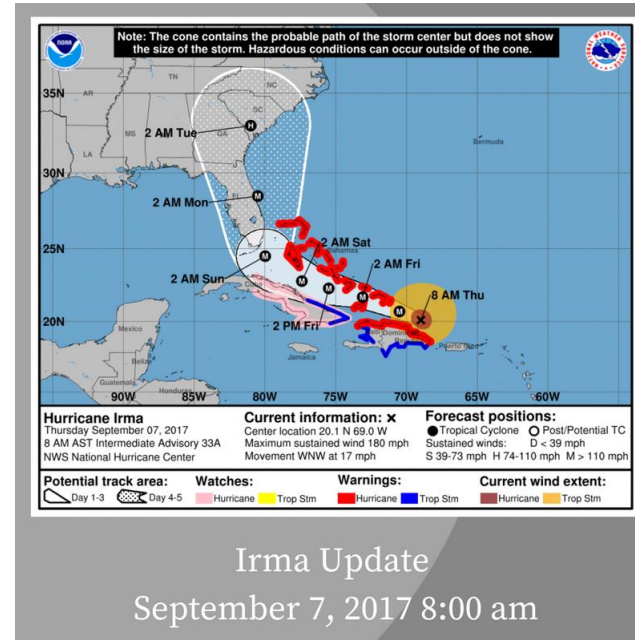
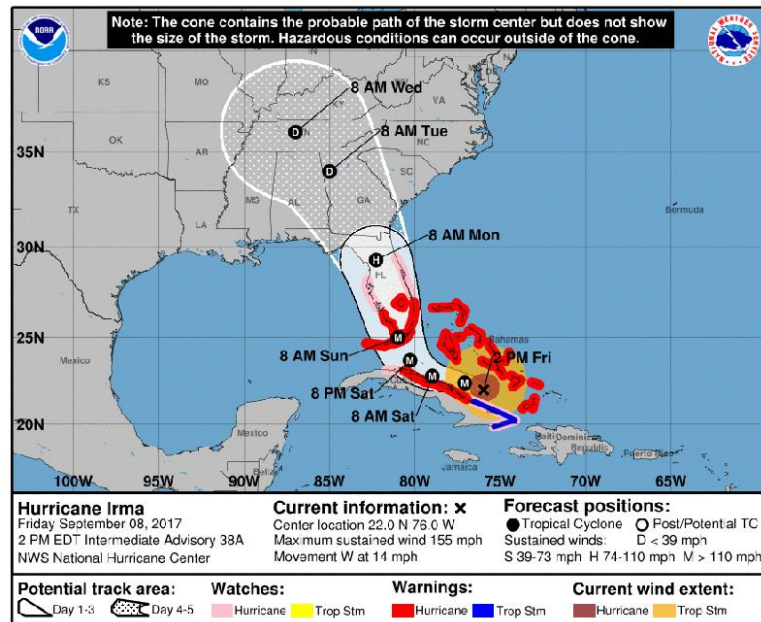
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- ▶ Time Equals Safety!
 - ▶ Reliance on our Partners at Key West Weather Service and the National Hurricane Center

PREPARING FOR THE STORM

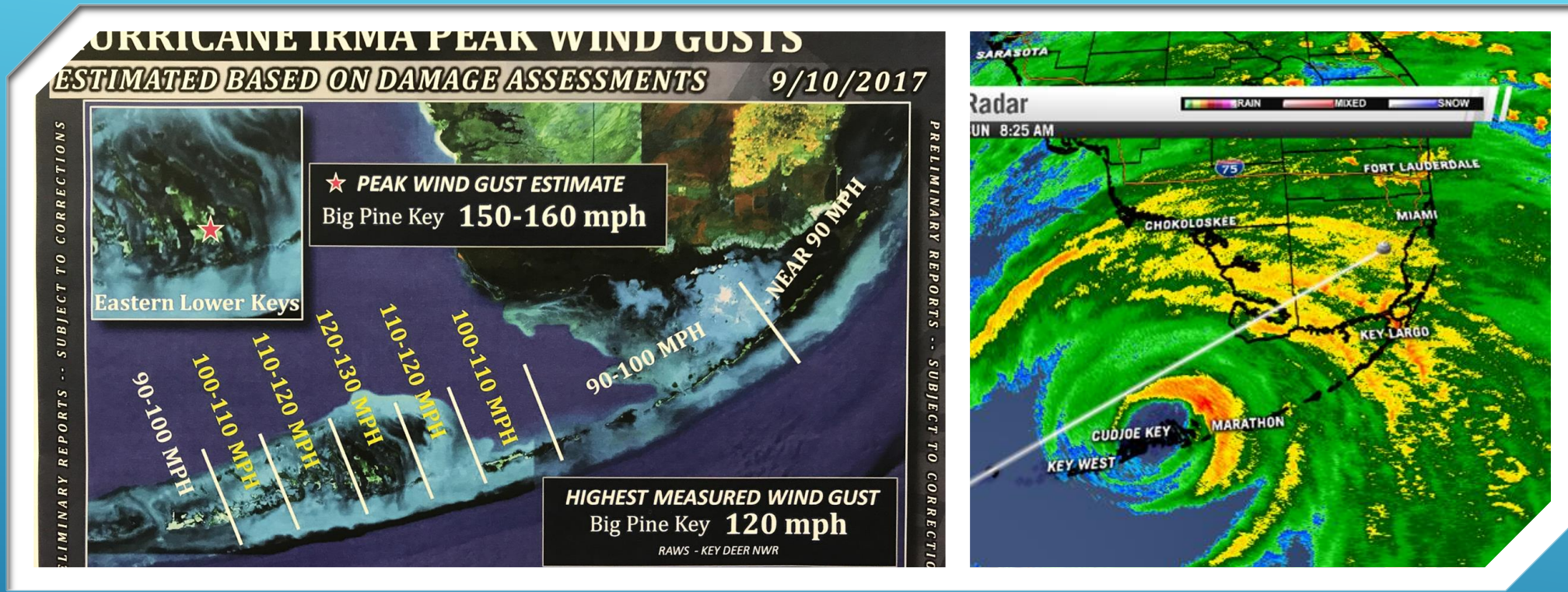


HARD DECISIONS

EVACUATION OF THE KEYS
 WEDNESDAY SEPTEMBER 06 AT 0700 HRS
 72 HOURS BEFORE STORM ARRIVAL



DECISION TO EVACUATE THE EOC SEPTEMBER 09, 2017



HURRICANE IRMA 2017

WIND ARRIVAL SATURDAY SEPTEMBER 10- NOON
EYE ARRIVAL SUNDAY SEPTEMBER 11- 0800 HRS





DEVASTATION





A man in an orange shirt is seated at a desk, looking out a large window. The desk is cluttered with a computer monitor, keyboard, and various items. Outside the window, the landscape is in ruins, with debris, broken branches, and a thatched-roof structure visible. The scene is dimly lit, with the primary light source coming from the window.

AN EOC WORKER...ON HIS
DAY OFF

4 OF OUR 6 HOMES WERE
UNLIVABLE



SOUTH OF KEY WEST
SEPTEMBER 11 2017
USS ABRAHAM LINCOLN

OCTOBER 01, 2017- KEYS REOPEN FOR BUSINESS

**AFTER
IRMA**

Key West

FRIST CRUISE SHIP PASSENGERS ARRIVE



CBSMiami.com



FINAL THOUGHTS...

PLANNING

RELATIONSHIPS

OVERWHELMING
RESPONSE

