



HVX-HURREVAC Webinar Series

Day 5 – Applying HURREVAC



2019 HVX-HURREVAC WEBINAR SERIES

1. Intro to HURREVAC and General Overview of the Program (*August 5th*)
2. Wind Forecast Features (*August 6th*)
3. Evacuation Timing Features (*August 7th*)
4. Storm Surge and Other Program Tools (*August 8th*)
5. **Applying HURREVAC** (*August 9th*)

Visit www.hurrevac.com/training.htm
to watch past recorded sessions



INTRODUCTIONS

Instructor: Karen Townsend, Sea Island Software
(karentownsend@seaislandsoftware.biz)

Panelist: Dib Oglesby, Sea Island Software
(dib@seaislandsoftware.biz)



APPLYING HURREVAC

Scenario 1

*You are the emergency Manager for Mobile County, AL
looking at Hurricane Isaac 2012, Advisory 21*

1. Is your county within the potential track area? How can you tell the potential location of the storm center 36 hours into the forecast period?
2. Mobile is close to the forecasted track. What is the probability of experiencing hurricane force winds there over the next 120 hours?
3. Assume strengthening is forecast. How will an increase in SS category impact your county's clearance time?



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Scenario 2

You are the Emergency Manager for Jackson, MS concerned with the potential for inland flood impacts from an approaching tropical system.

1. How can you determine what the highest recorded flood stage was for the Pearl River near Jackson?
2. How can you see a floodplain map near the gage location?
3. How can you see the rainfall forecast and if any flooding is expected in the next five days?



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Scenario 3

*You are an Emergency Manager for FEMA Region 4
looking at Hurricane Matthew, Advisory 26*

1. How can you determine what counties in your multi-state region have the greatest chance of impact from the storm?
2. Assuming evacuation clearance times for a Cat 3 storm, what is the range of evacuation start times for counties in South Carolina?



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Scenario 4

You are the Emergency Manager for Walton County, FL looking at Hurricane Katrina, Advisory 16

1. The County Commissioners want to see the track forecast trends for the last few advisories. How can you find this information?
2. They also want a briefing graphic for an upcoming press conference that includes the track forecast trends and labels the location of the EOC. How can you create this graphic and what features will you include?



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Scenario 5

*You are the town manager for New Bern, NC
looking at Hurricane Florence, Advisory 56*

1. How can you determine the storm surge height above ground that is unlikely to be exceeded at the Riverfront Convention Center?
2. What is the greatest amount of surge that could occur at that location from any storm?
3. Which direction of storm approach would be the worst?



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Scenario 6

You have started a new job as Emergency Manager for Camden County, NC and need to get familiar with your region's Hurricane Evacuation Study

1. What is the date of the most recent study and who are the USACE and FEMA points-of-contact for questions?
2. What is the history of hurricane impacts in North Carolina?
3. Are the county's police and fire stations vulnerable to storm surge?



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Scenario 7

*You are the Emergency Manager for Miami-Dade County, FL
looking at Hurricane Irma, Advisory 30*

1. What is the range of scenarios and clearance times under consideration with this forecast?
2. What is the range of evacuation start times?
3. You expect the public to react slowly to the evacuation start order. How can you account for this in your start time?



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Scenario 8

You are the Emergency Manager for the State of Florida looking at Hurricane Irma 2017, Advisory 34

1. You want to know more detail and the confidence level of the forecaster. Where can you look for this information?
2. How do the odds of hurricane winds compare between the Atlantic and Gulf coast locations in Florida?



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Scenario 9

*You are the Emergency Manager for Bay County, FL
looking at Hurricane Michael 2018, Advisory 10*

1. What is the percent chance of hurricane force winds impacting your county over the next 5 days?
2. What time period is the most likely for tropical storm force winds to begin? What is the earliest possible onset time for arrival of tropical storm force winds?
3. When does the Clearance Time Arc for the county indicate is the earliest evacuation start time?

