

# Chapter-2

## Natural and Technological Hazards and Risk Assessment



**FIGURE 2.1:** Long Beach, N.Y., Nov. 8, 2012—Aerial views of Hurricane Sandy damage to homes on Long Beach, New York. Following the hurricane, a nor'easter struck the area causing more power outages and additional flooding. FEMA is working with state and local officials to assist residents who were affected by Hurricane Sandy. Andrea Booher/FEMA.



**FIGURE 2.2:** Quechee, Vt., Sep. 11, 2011—The Quechee bridge is a main thoroughfare and an integral part of the town. Residents cried as they watched their beloved bridge battered by flash flood waters caused by tropical storm Irene. Photo by Wendell A. Davis Jr/FEMA.





**FIGURE 2.3:** Napa, California, Aug. 24, 2014. This building was damaged by the magnitude 6.0 earthquake that struck Napa, resulting in a fenced-off street and closed businesses in the area. Photo by Ellis Maynard/FEMA.



TOWN OF MADISON  
CONNECTICUT 06443-2563

## EMERGENCY EVACUATION ORDER

**OCTOBER 28, 2012**

TOWN OF MADISON First Selectman Fillmore McPherson has ordered  
MANDATORY EVACUATION of Low-Lying Areas by **THIS AFTERNOON.**

Your home is in an area that will flood or will become isolated from the rest of Town.

This is the **ONLY EVACUATION NOTICE** you will receive.

Your **FIRST** option is to seek shelter

NORTH OF I-95 with family, friends or in a hotel.

Your **SECOND OPTION** is to seek shelter at the

**The EVACUATION CENTER**

**Located @ 8 Campus Drive in the GYM.**

The Center will be open @ 6pm TODAY.

Bring a three day supply of clothes, medicine, specialty foods and personal hygiene  
products as well as a pillow and a blanket, pet food

If you have loose propane tanks you must secure them and turn them off.

**THIS IS THE ONLY EVACUATION NOTICE YOU WILL  
RECEIVE!!!**

PUBLIC Safety may NOT be able to assist you during the storm!

DO NOT underestimate the POWER and DESTRUCTION that Storm SANDY may  
Cause.

8 Campus Drive

(203) 245-5602

FAX 245-5609

**FIGURE 2.4:** Image of evacuation flyer distributed in advance of Hurricane Sandy (2012) in coastal areas expected to be impacted by a storm surge. Author (2012).



**FIGURE 2.5:** Rowlett, TX, Dec. 28, 2015. Rowlett Fire Battalion Chief does a wellness check on residents in tornado-stricken Rowlett neighborhood. Photo by Andrea Booher/FEMA.





**FIGURE 2.6:** Tulsa, Oklahoma, Nov. 23, 2001. Disaster Ally in the Eastland Mall. Safe rooms can be designed with many different materials. Shown are concrete block walls, formed concrete walls, and a special ceiling framing. Photo by Kent Baxter/FEMA News Photo.



**FIGURE 2.7:** Yuriage Port, Tohoku, Japan, Mar. 16, 2015. A resident of Yuriage Port, which was destroyed in the 2011 Great East Japan Earthquake, displays before and after photographs of the community to illustrate the scope of damage. Photo by Damon Coppola.





**FIGURE 2.8:** Lovelock, NV, Feb. 7, 2014. State park rangers burned weeds on the exposed lakebed of the Rye Patch Reservoir in Nevada, which was at 3.5% capacity amid a drought that has caused the worst water shortage the region has faced in more than a century. Photo by Max Whittaker, FEMA Website.



**FIGURE 2.9:** Staten Island, NY, Nov. 12, 2012, Aerial view of beach erosion on Coney Island, New York. Storm surge from Hurricane Sandy caused flooding and power outages throughout the island. Photo by Andrea Booher, FEMA.