

Where do hurricanes come from? Is one heading your way? Are you and your family prepared to ride out the storm? Don't worry! Our infographic provides the information and tips you need on what to expect, how to prepare, and what to watch for during hurricane season.

THE HURRICANE THREAT



HURRICANE FORCE WIND STRENGTH

STORM FORCE WINDS are rated according to the SAFFIR-SIMPSON HURRICANE WIND SCALE.4 This scale estimates potential property damage according to the hurricane's sustained wind speed.⁵

CATEGORY WINDS DAMAGE TYPES



75-95 mph

VERY DANGEROUS.

Well-constructed frame homes could have damaged roofs and broken tree branches. Some power loss.



mph

96-110

Homes sustain major roof and siding damage. Shallow rooted trees snapped or uprooted. Near-total power loss is expected.

EXTREMELY DANGEROUS.





130-156

mph

111-129

Electricity and water will be unavailable for several days or weeks. CATASTROPHIC DAMAGE. Many homes severely damaged,





mph

157+

CATASTROPHIC DAMAGE. Most homes destroyed. Most of the area will be uninhabitable for weeks or months.

STORM SURGE -WIND AND WAVE

Storm surges affect coastal areas and regions with large estuaries that can reach hundreds of miles inland. These include Galveston Bay in Texas, the Chesapeake Bay in Virginia, and the bays of the Port of New York and New Jersey.

Storm winds pile up sea water pushing on the ocean surface. Water is added to height of the normal tide and is known as a the storm tide or "surge".

Let's say today's normal tide height is 2 feet and normally stays in the ocean. Hurricane winds add 15 feet on top producing a total 17 foot storm tide.

When the storm tide hits the shore line, it only sends the 15 feet of extra ocean water surging inland.

Storm tide height depends on whether the tide is high or low and the movement of the hurricane. The worst case is when a hurricane has generated a storm tide during a normal high tide. The effects are devastating.⁶



HOW FAR INLAND CAN A HURRICANE REACH?

HURRICANE PREPARATION

HOW CAN I PREPARE MY FAMILY?

weeks to months.

If you're going to stay, prepare your **DISASTER SUPPLIES KIT,** which will allow you to shelter in place. Your kit should include:



One gallon of **CLEAN** DRINKING WATER per individual (and pets) for 3-7 days. Fill bathtubs with water for cleaning. Save used soapy

water to flush toilets.

Some food and water.

for phone calls.



NON-**PERISHABLE FOOD** to last 3-7 days for individuals and pets.

BE READY TO EVACUATE

Situations change. Prepare A GO BAG⁸ for each

individual with you. Each Go Bag should be light and portable, carry an ID tag, and at least contain:

A personal-sized first aid plus any prescription medicines.

A flashlight, portable radio, fully charged cell phone.

Emergency cash in small denominations and quarters



FIRST BATTERY-AID KIT POWERED plus a 3-7 day **WEATHER** supply of any prescription medications.



FULL GAS TANKS in your





towns below.

HOW DO I KNOW IF I SHOULD EVACUATE? Monitor weather reports about the on-coming hurricane

IF you live on a barrier island with a history

IF you live in a low-lying or flood prone area.

IF your home is in a coastal area and lacks

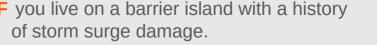
IF you are vacationers with young

EVERY STATE IN THE UNION.9

IF local officials order or recommend that residents evacuate depending on expected storm severity.



threat. You should consider evacuating/leaving the area:



IF you live in a mobile home in a coastal area.

hurricane structural reinforcing.10

or elderly dependents.



1 http://www.weather.com/outlook/weather-news/hurricanes/articles/hurricane-origins-tracks 2010-05-24 ² http://www.globalpost.com/dispatch/news/regions/americas/united-states/121029/hurricane-sandy-five-reasons

Your GO BAG bag should also contain important family documents

(insurance, medical records, bank account numbers, social security card, pet care information) inside a watertight re-sealable plastic bag or container.

- ³ http://www.nhc.noaa.gov/pdf/nws-nhc-6.pdf 4 http://www.nhc.noaa.gov/aboutsshws.php
- ⁵ http://www.nhc.noaa.gov/prepare/hazards.php#wind ⁶ http://www.nhc.noaa.gov/surge/animations/hurricane_stormsurge.swf ⁷ http://emergency.cdc.gov/preparedness/kit/disasters
- 8 http://72hours.org/go_bag.html
- ⁹ http://en.wikipedia.org/wiki/List_of_wettest_tropical_cyclones_in_the_United_States ¹⁰ http://http://www.fema.gov/media-library-data/20130726-1505-20490-3483/agstwnd.pdf







directenergy.com