

From Ready.gov: <https://www.ready.gov/hurricanes>

# Hurricanes

This page explains what actions to take when you receive a hurricane watch or warning alert from the National Weather Service for your local area. It also provides tips on what to do before, during, and after a hurricane.

## Hurricane Basics

### What

Hurricanes are massive storm systems that form over the water and move toward land. Threats from hurricanes include high winds, heavy rainfall, storm surge, coastal and inland flooding, rip currents, and tornadoes. These large storms are called typhoons in the North Pacific Ocean and cyclones in other parts of the world.

### Where

Each year, many parts of the United States experience heavy rains, strong winds, floods, and coastal storm surges from tropical storms and hurricanes. Affected areas include all Atlantic and Gulf of Mexico coastal areas and areas over 100 miles inland, Puerto Rico, the U.S. Virgin Islands, Hawaii, parts of the Southwest, the Pacific Coast, and the U.S. territories in the Pacific. A significant per cent of fatalities occur outside of landfall counties with causes due to inland flooding.

### When

The Atlantic hurricane season runs from June 1 to November 30, with the peak occurring between mid-August and late October. The Eastern Pacific hurricane season begins May 15 and ends November 30.

## Basic Preparedness Tips

- Know where to go. If you are ordered to evacuate, know the local hurricane evacuation route(s) to take and have a plan for where you can stay. Contact your local emergency management agency for more information.

- Put together a go-bag: disaster supply kit, including a flashlight, batteries, cash, first aid supplies, medications, and copies of your critical information if you need to evacuate
- If you are not in an area that is advised to evacuate and you decide to stay in your home, plan for adequate supplies in case you lose power and water for several days and you are not able to leave due to flooding or blocked roads.
- Make a [family emergency communication plan](#).
- Many communities have text or email alerting systems for emergency notifications. To find out what alerts are available in your area, search the Internet with your town, city, or county name and the word “alerts.”

## Preparing Your Home

- Hurricane winds can cause trees and branches to fall, so before hurricane season trim or remove damaged trees and limbs to keep you and your property safe.
- Secure loose rain gutters and downspouts and clear any clogged areas or debris to prevent water damage to your property.
- Reduce property damage by retrofitting to secure and reinforce the roof, windows and doors, including the garage doors.
- Purchase a portable generator or install a generator for use during power outages. Remember to keep generators and other alternate power/heat sources outside, at least 20 feet away from windows and doors and protected from moisture; and NEVER try to power the house wiring by plugging a generator into a wall outlet.
- Consider building a [FEMA safe room](#) or ICC 500 storm shelter designed for protection from high-winds and in locations above flooding levels.

## Hurricane Watch

**Hurricane watch = conditions possible within the next 48 hrs.**

Steps to take:

- Review your evacuation route(s) & listen to local officials.
- Review the items in your disaster supply kit; and add items to meet the household needs for children, parents, [individuals with disabilities or other access and functional needs](#) or pets.

## **Hurricane Warning**

**Hurricane warning = conditions are expected within 36 hrs.**

Steps to take:

- Follow evacuation orders from local officials, if given.
- Check-in with family and friends by texting or using social media.
- Follow the hurricane timeline preparedness checklist, depending on when the storm is anticipated to hit and the impact that is projected for your location.

## **What to do when a hurricane is 6 hours from arriving**

- **If you're not in an area that is recommended for evacuation, plan to stay at home or where you are and let friends and family know where you are.**
- Close storm shutters, and stay away from windows. Flying glass from broken windows could injure you.
- Turn your refrigerator or freezer to the coldest setting and open only when necessary. If you lose power, food will last longer. Keep a thermometer in the refrigerator to be able to check the food temperature when the power is restored.

- Turn on your TV/radio, or check your city/county website every 30 minutes in order to get the latest weather updates and emergency instructions.

## **What to do when a hurricane is 6-18 hours from arriving**

- Turn on your TV/radio, or check your city/county website every 30 minutes in order to get the latest weather updates and emergency instructions.
- Charge your cell phone now so you will have a full battery in case you lose power.

## **What to do when a hurricane is 18-36 hours from arriving**

- Bookmark your city or county website for quick access to storm updates and emergency instructions.
- Bring loose, lightweight objects inside that could become projectiles in high winds (e.g., patio furniture, garbage cans); anchor objects that would be unsafe to bring inside (e.g., propane tanks); and trim or remove trees close enough to fall on the building.
- Cover all of your home's windows. Permanent storm shutters offer the best protection for windows. A second option is to board up windows with 5/8" exterior grade or marine plywood, cut to fit and ready to install.

## **What to do when a hurricane is 36 hours from arriving**

- Turn on your TV or radio in order to get the latest weather updates and emergency instructions.

- Build or restock your emergency preparedness kit. Include food and water sufficient for at least three days, medications, a flashlight, batteries, cash, and first aid supplies.
- Plan how to communicate with family members if you lose power. For example, you can call, text, email or use social media. Remember that during disasters, sending text messages is usually reliable and faster than making phone calls because phone lines are often overloaded.
- Review your evacuation plan with your family. You may have to leave quickly so plan ahead.
- Keep your car in good working condition, and keep the gas tank full; stock your vehicle with emergency supplies and a change of clothes.

## **After a Hurricane**

- Listen to local officials for updates and instructions.
- Check-in with family and friends by texting or using social media.
- Return home only when authorities indicate it is safe.
- Watch out for debris and downed power lines.
- Avoid walking or driving through flood waters. Just 6 inches of moving water can knock you down, and one foot of fast-moving water can sweep your vehicle away.
- Avoid flood water as it may be electrically charged from underground or downed power lines and may hide dangerous debris or places where the ground is washed away.
- Photograph the damage to your property in order to assist in filing an insurance claim.

- Do what you can to prevent further damage to your property, (e.g., putting a tarp on a damaged roof), as insurance may not cover additional damage that occurs after the storm.

## **When there is no hurricane: Make a hurricane plan**

- Know your [hurricane risk](#). Talk to your local emergency management agency.
- Make an [emergency plan](#).
  - Sign up for alerts and warnings
  - Make a Family Communication plan
  - Plan shelter options
  - Know your evacuation route
- Build or restock your [basic disaster supplies kit](#), including food and water, a flashlight, batteries, chargers, cash, and first aid supplies.
- Consider buying [flood insurance](#).
- Familiarize yourself with local emergency plans. Know where to go and how to get there should you need to get to higher ground or to evacuate.
- Stay tuned to local [wireless emergency alerts](#), TV, or radio for weather updates, emergency instructions, or evacuation orders.

## **Shareables**

- [2017 Hurricane Preparedness Week Social Media Toolkit](#)(link)
- [National Hurricane Center](#) (link)
- [National Weather Service Hurricane Safety](#) (link)
- [When the Waves Swell – Hurricane Animated](#) (Video)

- [How to Prepare for a Hurricane](#) (PDF)
- [Hurricane Playbook](#) (PDF)
- [Prepare Your Organization for a Hurricane Playbook](#) (PDF)
- [Communication Tools](#) (PDF)
- [Hurricane Creative Materials](#) (PDF)
- [National Creative Resources](#) (PDF)

Saffir-Simpson Hurricane Wind Scale Summary		
SCALE NUMBER (CATEGORY)	SUSTAINED WINDS (MPH)	DAMAGE
1	74-95	<p>Very dangerous winds will produce some damage</p> <ul style="list-style-type: none"> <li>• Minor damage to exterior of homes</li> <li>• Toppled tree branches, uprooting of smaller trees</li> <li>• Extensive damage to power lines, power outages</li> </ul>
2	96-110	<p>Extremely dangerous winds will cause extensive damage</p> <ul style="list-style-type: none"> <li>• Major damage to exterior of homes</li> <li>• Uprooting of small trees and many roads blocked</li> </ul>

		<ul style="list-style-type: none"> <li>• Guaranteed power outages for long periods of time – days to weeks</li> </ul>
3	111-130	<p>Devastating damage will occur</p> <ul style="list-style-type: none"> <li>• Extensive damage to exterior of homes</li> <li>• Many trees uprooted and many roads blocked</li> <li>• Extremely limited availability of water and electricity</li> </ul>
4	131-155	<p>Catastrophic damage will occur</p> <ul style="list-style-type: none"> <li>• Loss of roof structure and/or some exterior walls</li> <li>• Most trees uprooted and most power lines down</li> <li>• Isolated residential due to debris pile up</li> <li>• Power outages lasting for weeks to months</li> </ul>
5	More than 155	<p>Catastrophic damage will occur</p> <ul style="list-style-type: none"> <li>• A high percentage of homes will be destroyed</li> <li>• Fallen trees and power lines isolate residential areas</li> <li>• Power outages lasting for weeks to months</li> <li>• Most areas will be uninhabitable</li> </ul>