

# Charleston County

## Hurricane Preparedness Guide



Are YOU Ready?

[www.charlestoncounty.org](http://www.charlestoncounty.org)



# Hurricanes Defined

## **Tropical Storm:**

Once winds within a tropical system reach 39 miles per hour and the distinct low-pressure area is well defined by a rotating circulation, the system is considered a tropical storm and is given a name.

## **Hurricane:**

A hurricane has sustained winds exceeding 74 miles per hour or greater, dangerously high water and rough seas.

## **Hurricane Watch:**

A hurricane watch is issued when hurricane conditions are a real possibility for an area within 48 hours.

## **Hurricane Warning:**

A hurricane warning is issued when a hurricane is expected within 36 hours. Begin precautionary action at once.

## **Emergency Operations Center (EOC):**

Charleston County Emergency Management's Emergency Operations Center is located at 8500 Palmetto Commerce Parkway, Ladson, SC 29456.

When the EOC is activated, Charleston County decision-makers coordinate information and implement the County's Emergency Operations Plan during any type of disaster. This plan is reviewed and updated every year to ensure proper readiness and response procedures.

Once activated, the EOC is directed by the County Administrator, and is staffed by personnel from a variety of departments. If a storm increases in severity, outside agencies will send representatives to the EOC, so that information can be gathered, coordinated, and shared among first responders from a single location. Some of these agencies/representatives include:

- Local Law Enforcement, Fire & Rescue
- Military Personnel
- American Red Cross
- Salvation Army
- Department of Social Services
- Transportation Services
- Public Works & Engineering Services
- SCDOT & SCHP
- Hazardous Materials
- Telecommunications
- Health and Medical
- Coroner
- Damage Assessment
- Special Medical Needs Services



# Emergency Operations Center Operating Conditions (OPCON)

## **OPCON 3**

### **~ NORMAL DAILY OPERATIONS**

- Agencies coordinate, plan, train and exercise as warranted.
- Incidents are monitored by CCEMD Staff and SCEMD Warning Point.

## **OPCON 2**

### **~ ENHANCED AWARENESS**

- A disaster or emergency is likely to affect the County.
- The County Emergency Operations Center is operating in one of the following levels of readiness: monitoring, partial activation or full activation as deemed necessary.
- Emergency operations plans are implemented.

## **OPCON 1**

### **~ FULL ALERT**

- A disaster or emergency is imminent or occurring.
- The County Emergency Operations Center is fully activated.
- All County emergency support function personnel are activated or ready to deploy.

## **Citizen's Information Line**

(DURING EMERGENCY OPERATIONS CENTER ACTIVATION ONLY)

**(843) 746 – 3900**

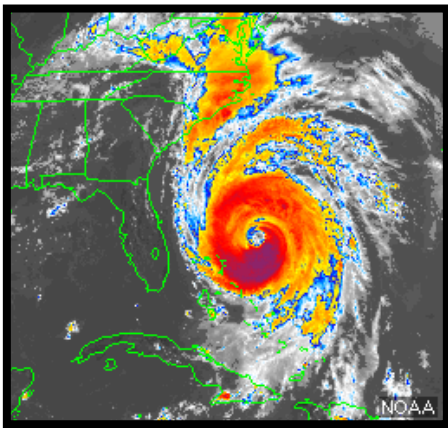
**Spanish (843) 746 - 3909**



# Before the Storm

## **Check into flood insurance.**

You can find out about the National Flood Insurance Program through your home insurance agent. There is normally a 30-day waiting period before a new flood insurance policy becomes effective for an existing residence. Homeowner policies do not cover damage from the flooding that accompanies a hurricane.



## **Develop an emergency communication plan.**

In case family members are separated from one another during a disaster (a real possibility during the day when adults are at work and children are at school); create a plan for getting back together.

Ask an out-of-state relative or friend to serve as the "family contact." After a disaster, it is often easier to call long distance. Make sure everyone in the family knows the name, address, phone number and e-mail address of the contact person.

## **Make sure that all family members know how to respond after a hurricane.**

Teach family members how and when to turn off gas, electricity and water. Teach children how and when to call 9-1-1, police, fire department, or the emergency medical services and which radio station to listen to for emergency information.

## **Create an Emergency Supplies Kit emergency supplies kit.**

Because deployment of relief supplies and support to affected communities can be delayed or prevented due to damaged or impassable bridges and roads, **assistance from emergency services may not be available for up to 72 hours, or longer, following a major natural disaster.**

## **Prepare your home.**

Once a tornado, hurricane or major storm hits, it is too late to protect your home and property, but there are preparations you can make in advance to limit future wind and flood damage. Some are fairly simple and inexpensive; others will require a contractor. You will need to consider the characteristics of your home, your financial resources and the building codes in your community.



# Emergency Supplies Kit

## **Prepare yourself and your family for a minimum of three days.**

Because deployment of relief supplies and support to storm-stricken communities can be delayed or prevented due to damaged or impassable bridges and roads, **assistance from emergency services may not be available for up to 72 hours, or longer, following a major natural disaster.**

## **Keep informed.**

The Charleston County Emergency Management Department works with local non-profit partners, local, regional and state government partners, National Weather Service officials and the media to keep residents informed of the best ways to prepare or respond during a disaster situation. The purchase of a Weather Alert Radio for your home and place of employment can help you stay informed of changing conditions.

## **Storing your kit.**

Choose a location to store your kit where it is cool and dark, such as a closet or "safety corner" in the garage. If you live in an apartment or have limited space, be innovative. Other possible storage locations include under the bed, under stairways or even a large box or plastic tub that can be covered with a tablecloth and used as an end table.



## **Layer and monitor supplies.**

Layer supplies and keep them together in a container such as a plastic garbage can with wheels. Check the items every six months for expiration dates, changes in your children's clothing sizes and weather requirements. A good way to remember to inspect your kit is to do it each time you set clocks during daylight savings time and change your smoke detector batteries.

## **Use what you have.**

Start with what you already have and prepare as if you are going camping for three days with no facilities. If you are a camper, you have a head start because camping supplies, tents, camp stoves and water jugs can double as emergency supplies.

## **Food.**

Use canned foods for easy storage and long shelf life. However, be aware that they must be changed out at least annually. Choose ready-to-eat canned meat, fruits and vegetables that your family likes.



# Emergency Supplies Kit

## **If the electricity goes off:**

- **FIRST**, use perishable food and foods from the refrigerator.
- **THEN**, use the foods from the freezer. To minimize the number of times you open the freezer door, post a list of freezer contents on the front. In a well-filled, well-insulated freezer, foods will usually still have ice crystals in their centers, meaning foods are safe to eat, for at least three days.
- **FINALLY**, begin to use non-perishable foods and staples.

## **Your Kit should include:**

- Ready-to-eat canned meats, fruits and vegetables.
- Canned juices, milk, soup (if powdered, store extra water).
- Staples - sugar, salt, pepper.
- High energy foods - peanut butter, jelly, crackers, granola bars, trail mix.
- Foods and supplements for infants, elderly persons or persons on special diets.
- Adult and children vitamins.
- “Comfort foods” - cookies, hard candy, sweetened cereals, lollipops, instant coffee, tea bags.
- Do not forget food for your pets. Store canned or dry pet food along with an extra collar and leash. Make special arrangements for your pet with boarding facilities, veterinary clinics, homes of friends and relatives or seek a hotel/motel that allows pets during emergencies.
- Store foods in single or family meal-size packaging. Unrefrigerated leftovers can cause food poisoning.
- Add a manual can opener, and cooking and eating utensils.



# Emergency Supplies Kit

## Water.

Store a **three-day supply, or more**, of water for your family. A minimum of **One gallon per person per day** is recommended for drinking, cooking and washing. Remember to include water for pets. Date your water containers and replace them every six months.

## Tips for storing and using water:

- Purify water by boiling it for 5 to 10 minutes or by adding drops of *unscented* household bleach containing 5.25 percent hypochlorite. The Federal Emergency Management Association (FEMA) recommends 16 drops of bleach per one gallon of water. Purification tablets or a filter system designed for backpackers also work well.
- Store water in plastic three-liter soda bottles instead of plastic milk-type jugs. Milk jugs will break down over time, and soda bottles last considerably longer. You can also freeze water, and it will last until needed. This frozen water also can be used for non-emergency situations such as camping, fishing, hunting, etc. However, do not forget to replace the water jugs when you get home.
- Learn how to remove water from your hot water heater in case you need it. Be sure to turn off the gas or electricity before draining water for emergency use.



## Planning for Your Pet – “Go Kit”



### Basic items for three days or longer:

- Water (Dog: 1 gallon for every 10 lbs your dog weighs; Cat: ½ gallon per day)
- Dry food (1-2 lbs food for every 10 lbs the pet weighs per day)
- Food and water bowls
- Vaccination records and medicines
- Collar ID and leash
- Kennel or crate
- Newspaper or litter
- Photo of your pet
- Garbage bags



# Emergency Supplies Kit

## Items, Tools and Supplies.

### HOUSEHOLD ITEMS

- Paper goods, plastic plates, cups, utensils
- Map of area to find shelters or distribution points (street sign may be gone)
- Cash or travelers checks and change
- Battery-powered radio with extra batteries
- Flashlights with extra batteries
- Battery-powered clock with extra batteries
- NOAA weather radio, solar-powered, hand-cranked-operated
- Fire extinguisher, small ABC type
- Duct tape
- Waterproofed matches
- Waterproof duffle bag/backpack
- Sewing kit
- Plastic storage containers
- Plastic Ziploc bags
- Paper, pencils and pens
- Aluminum foil
- Plastic sheeting or tarps
- Basic tool kit (adjustable wrench, screwdrivers, hammer, etc.)

### CLOTHING AND BEDDING

- Sturdy shoes or work boots, socks
- Rain gear jackets, pants, boots
- Blankets or sleeping bags
- Hat and work gloves
- Thermal & regular underwear
- Sunglasses
- Blankets, pillows, towels

### FOR BABY

- Diapers
- Formula
- Bottles
- Powdered milk
- Medications

### FOR ADULTS

- All prescription medications
- Insulin if needed
- Denture needs
- Contact lenses and supplies
- Extra eye glasses



## **SANITATION**

- Toilet paper, wet wipes
- Soap, liquid detergent
- Feminine supplies
- Personal hygiene items
- Plastic garbage bags with ties
- Plastic bucket with tight lid
- Disinfectant
- Unscented household bleach
- Insect repellent
- Sunscreen

## **SPECIAL ITEMS**

- SCEMD Hurricane Guide
- Mobile devices & chargers
- Entertainment - books, toys and games
- Important family documents to keep in a waterproof container:
  - Family records (birth, marriage, death certificates)
  - Wills
  - Insurance policies
  - Contracts
  - Deeds
  - Stocks and bonds
  - Passports
  - Social Security cards
  - Immunization records
  - Bank account numbers
  - Credit card account numbers/company
  - Inventory of valuable household items

## **FIRST AID KIT**

- Sterile adhesive bandages in assorted sizes
- 2-inch sterile gauze pads (4-6)
- 4-inch sterile gauze pads (4-6)

## **FIRST AID KIT (Continued)**

- Hypoallergenic adhesive tape
- Triangular bandages (3)
- 2-inch sterile roller bandages (3 rolls)
- 3-inch sterile roller bandages (3 rolls)
- Scissors
- Tweezers
- Needles
- Assorted sizes of safety pins
- Wet wipes
- Antiseptic
- Thermometer
- Tongue blades (2)
- Tube of petroleum jelly or other lubricant
- Soap
- Latex gloves (2 pairs)

## **NON-PRESCRIPTION DRUGS**

Aspirin or non-aspirin pain reliever

## **ANTI-DIARRHEA MEDICATION**

- Antacid (for stomach upset)
- Syrup of Ipecac (use to induce vomiting if advised by the Poison Control Center - PCC)
- Laxative
- Activated charcoal (if advised by the Poison Control Center - PCC)



# Prepare Your Home

This homeowner's checklist will help you learn what you can do in advance to protect your home from wind and flood damage. For more information about the costs and benefits of each approach, talk to a professional builder, architect or contractor. You should also ask the Charleston County Building Inspection Services Department (843-202-6930) about building permit requirements.



## **Is the roof sheathing properly installed?**

During a hurricane, wind forces are carried from the roof down to the exterior walls, down to the foundation. Homes can be damaged when wind forces are not properly transferred to the ground.

Roof sheathing (the boards or plywood nailed to the roof rafters or trusses) can fail during a hurricane if not properly installed. Examine the sheathing from the attic. If many of the nails have missed the rafters, you may need to re-nail the sheathing. If you are putting on a new roof, make sure the sheathing complies with current recommended practices.

## **Are end gables securely fastened to the rest of the roof?**

In a hurricane or other windstorm, the sidewalls of the roof (end gables) take a beating and can collapse. Gable bracing often consists of 2x4-inch boards placed in an "X" pattern at both ends of the attic – from the top center of the end gable to the bottom of the brace of the fourth truss, and from the bottom center of the end gable to the peak of the roof.

## **Is the roof fastened to the walls with hurricane straps?**

Hurricane straps (made of galvanized metal) help keep the roof fastened to the walls in high winds. They can be difficult to install, so you may need a contractor for this project. Ask the County Building Services Department whether hurricane straps are required or advisable in your area.

## **Are double entry doors secured at the top and bottom?**

The exterior walls, doors and windows are the protective shell of your home. If the shell is broken during a storm, high winds can enter the home and put pressure on the roof and walls, causing serious damage.

For each double door, at least one of the doors should be secured at both the top of the doorframe and the floor with sturdy sliding bolts. Most bolts that come with double

doors, however, are not strong enough to withstand high winds. Your local hardware store can help you select the proper bolts. Some door manufacturers provide reinforcing bolt kits made specifically for their doors.

### **Has the garage door been properly secured?**

If the garage door fails, winds can enter your home and blow out doors, windows, walls and the roof. Ask the County Building Services Department for guidance on securing a garage door.

### **Are windows protected by storm shutters?**

Installing storm shutters is one of the most effective ways to protect your home. Purchase or make shutters for all exposed windows, French doors, sliding glass doors and skylights.

There are many types of manufactured storm shutters available made of wood, aluminum or steel. You can also make storm shutters with 5/8-inch-thick, exterior-grade plywood.



### **Is the main electric panel board located above potential floodwaters?**

The main electric panel board (electric fuses or circuit breakers) should be at least 12 inches above the projected flood elevation for your home. The panel board height is regulated by code. All electrical work should be done by a licensed electrician.

### **Are electric outlets and switches located above potential floodwaters?**

Consider elevating all electric outlets, switches, light sockets, baseboard heaters and wiring at least 12 inches above the projected flood elevation for your home. You may also want to elevate electric service lines (at the point they enter your home) at least 12 inches above the projected flood elevation. In areas that could get wet, connect all receptacles to a ground fault interrupter (GFI) circuit to avoid the risk of electric shock. Have electrical wiring done by a licensed electrician.

### **Are the washer, dryer, furnace and water heater above potential floodwaters?**

They can be placed on masonry blocks or concrete at least 12 inches above the projected flood elevation, moved to inside a floodwall or moved to a higher floor. All work must conform to state and local building codes.



# During a Hurricane Watch

**A Hurricane Watch is issued when hurricane conditions are a real possibility for an area within 48 hours.**

- Review your family disaster plan and check your Emergency Supplies Kit to include food and water supplies.
- Review evacuation plans. Learn safe routes inland and plan your evacuation route. Be ready to drive 20 to 50 miles, or more, inland to locate a safe place.
- Make sure the gas tank in your car is full.
- Make arrangements for pets, and identify pet-friendly hotels if you plan to evacuate
- Refill prescription medications.
- Anchor or stow small boats.
- Bring in outdoor objects such as lawn furniture, toys and garden tools; anchor objects that cannot be brought inside.
- Remove outside antennas.
- Secure buildings by closing and boarding up windows.
- Turn refrigerator and freezer to coldest settings. Make a list of refrigerated and frozen items. Open only when absolutely necessary and close quickly.
- Store drinking water in jugs, bottles and clean bathtubs.
- Trim dead or weak branches from trees.
- Stay tuned to local media and your Weather Alert Radio for updates on the storm.



# During a Hurricane Warning

**A Hurricane Warning is issued when a hurricane is expected within 36 hours. Begin precautionary action at once.**

- Store valuables such as jewelry, silverware, photos and scrapbooks in a safe place, such as a waterproof container on the highest level of your home.
- Park your car in a sheltered area or on high ground.
- Listen to a battery-operated radio or television for official instructions.
- Evacuate if the order is given.
- If you must stay at home, stay inside away from windows, skylights and glass doors.
- Keep a supply of flashlights and extra batteries. Avoid using open flames, such as candles and kerosene lamps, as a source of light.
- If power is lost, turn off major appliances to reduce power "surge" when electricity is restored.
- Follow the specific generator model's operating instructions. Do not use generators indoors or attempt to tie generators into the house circuits.
- If officials order an evacuation:
  - Leave as soon as possible. Avoid flooded roads and watch for washed-out bridges.
  - Secure your home by unplugging appliances and turning off electricity and the main water valve.
  - Tell someone outside of the storm area where you are going.
  - If time permits, and you live in an identified surge zone, elevate furniture to protect it from flooding, or move it to a higher floor.
  - Bring your pre-assembled Emergency Supplies Kit.
  - Bring blankets, pillows, and sleeping bags if you are going to a shelter.
  - Lock your home and leave.





# Evacuation Information

## "Move from the water, and brace for the wind"

If you are advised to evacuate your home and move to a safe, temporary location, you should remember a few things:

- Follow the instructions and advice of your local government. If you are advised to evacuate, do so promptly. If certain travel routes are specified or recommended, use those routes. Once an evacuation order is given, you may not be allowed to select your route. **If you plan to leave, leave early.**
- Travel considerations:
  - Before leaving your residence, prepare your family Emergency Supplies Kit (see page 8 for list of supplies) and take it with you in the car.
  - Leave well in advance to avoid being affected by flooding roads, fallen trees or power lines.
  - Make sure the gas tank in your car is full, and listen to the radio as you travel for additional information and instructions from emergency officials.
  - Make sure you have a South Carolina highway map in your vehicle.
  - Evaluate and be prepared to use parallel routes out of the community - this may include smaller roads that run parallel to the interstates and other highways.
  - If you must travel with more than one vehicle, plan to leave early to avoid traffic.
- When an emergency is declared and an evacuation order is announced, designated shelters are opened and operated by the American Red Cross and announced on local radio and television stations. Text "shelter" and your Zip Code to 43362 to get a list of nearby shelter locations.
- While shelters are available in a hurricane situation, there is not enough shelter space in Charleston County for all citizens. Therefore, officials urge citizens to use alternative housing options, such as traveling to a friend's or relative's inland home or to a motel. And remember, even inland shelters and motels may experience loss of electrical power. Take your Emergency Supplies Kit with you.
- A shelter should be considered a last resort to use if you have nowhere else to get out of harm's way. Citizens who go to a shelter are asked to bring blankets and pillows, some food for the first day and any necessary medications and supplies. It is highly recommended citizens bring their Emergency Supplies Kit.



# Evacuation Routes

When a hurricane threatens South Carolina's coast, you may plan to leave voluntarily or you may be ordered to evacuate. Blue hurricane evacuation route signs are posted along roads to guide you inland to safety.

South Carolina local and state law enforcement officers and the South Carolina Army National Guard will be posted along these routes to assist you. Motorists who wish to deviate from the primary evacuation routes may experience delays or may not be allowed to change routes.

Motorists should be on the lookout for electronic message boards along the evacuation routes and should follow any instructions displayed. These boards may direct motorists to tune in to a local AM radio station to hear route-specific traffic information and other special emergency messages.

Interstate 26 will begin reversed lanes at the Nexton Exit, 197

## **Edisto Island and Adams Run**

- Take SC 174 to US 17.
- Take US 17 south to SC 64. This will take you to Walterboro, and then to North Augusta.

## **Yonges Island, Meggett, Hollywood, and Ravenel**

- Take SC 165 to US 17, then US 17 south to SC 64.

## **Johns Island, Kiawah Island and Seabrook Island**

- Johns Island takes SC 700 (Maybank Highway) to Road S-20 (Bohicket/Main Road) to US 17.
- Kiawah/Seabrook Islands will take Road S-20 (Bohicket/Main Rd.) to US 17.
- Take US 17 south to SC 64 where you will go to Walterboro, then to North Augusta.

## **James Island and Folly Beach**

- Take SC 171 (Folly Road) to US 17.
- Take US 17 south to I-526 east to I-26.



### **City of Charleston**

- The west side of the city (West Ashley) will use SC 61 to US 78, US 321 and SC 389 to I-20 then to Aiken and North Augusta.
- Downtown will use the normal westbound lanes of I-26.
- Daniel Island/Cainhoy residents (of Berkeley County) will use I-526 or Clements Ferry Road as conditions warrant.

### **North Charleston**

- Take US 52 (Rivers Avenue) to US 78 to US 178 to Orangeburg, or continue on US 52 to US 176, or continue north on US 52.
- The right lane of US 52 at Goose Creek will continue towards Moncks Corner. In Moncks Corner, it will be directed onto SC 6, where SC 6 will take you toward Columbia.
- The left lane of US 52 at Goose Creek will go on to US 176 to Columbia.
- Evacuees using SC 642 will travel west toward Summerville, and then take Road S-22 (Old Orangeburg Road) to US 78 west.

### **East Cooper**

- *Mount Pleasant:* Take I-526 west or US 17 south to I-26 west.
- *Sullivan's Island:* Take SC 703 to I-526 Business to access I-526 west, and then take I-26 west.
- *Isle of Palms:* Take the Isle of Palms connector (SC 517) to go to US 17 where the right lane will turn north onto US 17. Next, proceed to take SC 41 to SC 402; then to US 52 to SC 375; then to US 521 to SC 261; and then US 378 to Columbia.

#### Note:

- Interstate reversal begins at the Nexton Exit starting in 2020.

### **Awendaw and McClellanville**

- Take SC 45 to US 52, where you will be directed to the right onto US 52 to SC 375; then to US 521 to SC 261; and then to US 378 to Columbia.





# Charleston County

## Bridge Procedures During High Winds

The Charleston County Emergency Operations Center (EOC) works closely with law enforcement officers to receive updates on wind speeds on the various bridges throughout the County during an emergency.

**The public can expect the following warnings during storms that produce high winds:**

### Condition Yellow: 30 mph sustained winds

- When the EOC receives reports from law enforcement officers that sustained wind speeds have reached 30 mph, the media will be asked to put out a message to the public that high profile vehicles will be advised not to use high span (65 feet or higher) or exposed bridges, and the public should use extreme caution if they decide to travel over bridges.

High profile vehicles are:

- Box-type trucks similar to those operated by the United Parcel Service (UPS)
- Tractor trailers
- Motor homes
- Vehicles pulling travel trailers, box type trailers, large sail boats or other watercraft

### Condition Red: 40 mph sustained winds:

- When the EOC receives reports from law enforcement officers that sustained wind speeds have reached 40 mph, the media will be asked to put out a message to the public that high span (65 feet or higher) or exposed bridges are **unsafe for public travel**. At these wind speeds, law enforcement officers may not be present at bridges due to unsafe conditions. Anyone who drives over bridges against the advisory is doing so at their own risk.

In addition to the above advisories, the public is warned that in addition to the measured sustained wind speeds, there could be unexpected and dangerous wind gusts of higher speeds.

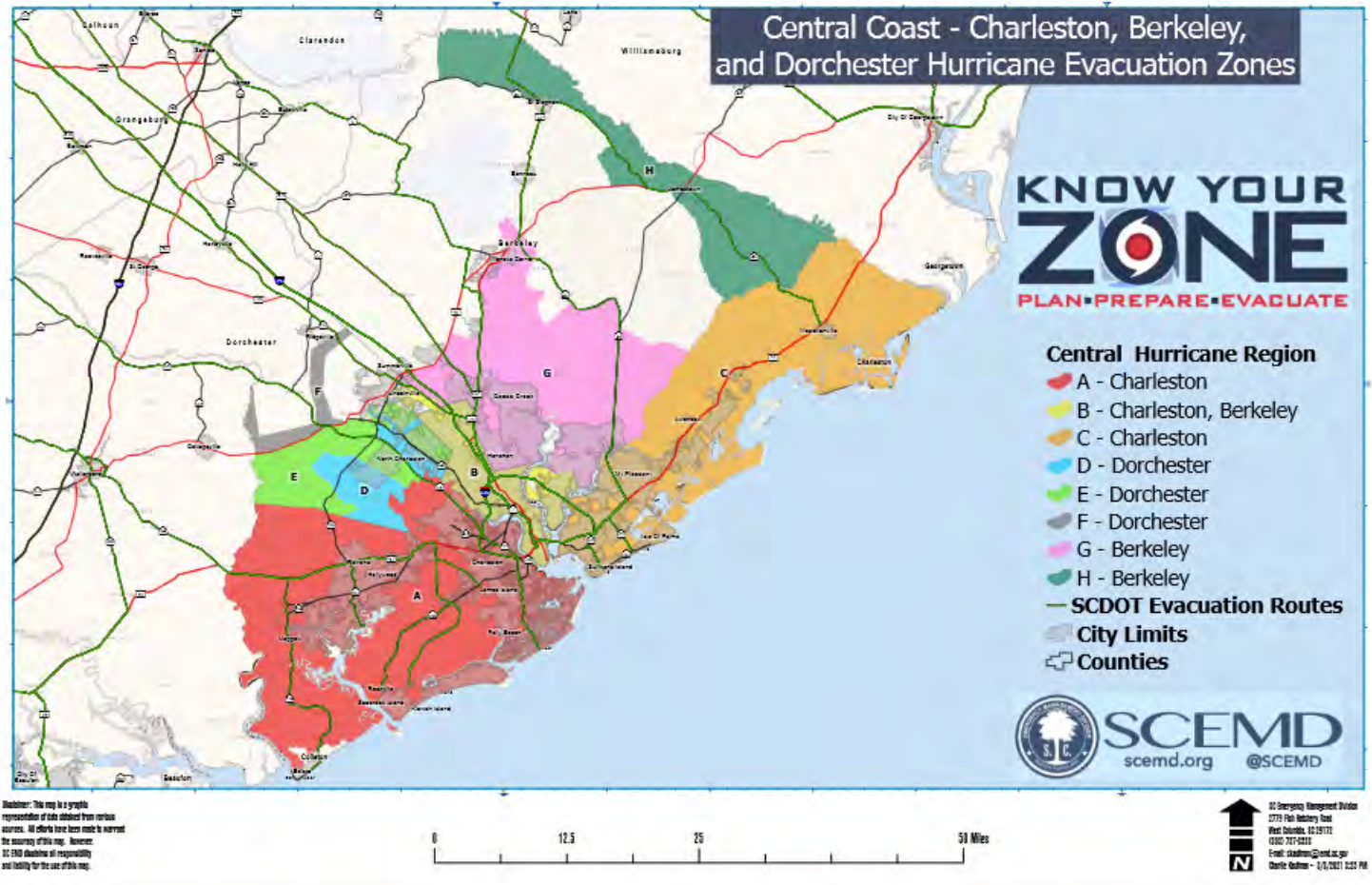
### High span (65 feet high or higher) or exposed bridges in Charleston County:

- Arthur Ravenel, Jr. Bridge
- Ashley River Bridges (old and new bridges)
- Ben Sawyer Bridge (Sullivan's Island Bridge)
- Breech Inlet Bridge (connects Isle of Palms to Sullivan's Island)
- Cosgrove Bridge (the "North Bridge")
- Dawhoo River Bridge (on Edisto Highway SC 174)
- Don Holt Bridge (I-526 over the Cooper River between North Charleston and Daniel Island)
- Isle of Palms Connector
- James Island Connector
- Limehouse Bridge
- McKinley Washington Bridge (the "Edisto Bridge": Hwy. 174 over the Edisto River near Edisto Island)
- Stono River Bridge (connects James Island to Johns Island over Maybank Highway)
- Wando River Bridge (I-526 over the Wando River in Mt. Pleasant)
- Wappoo Bridge (connects W. Ashley to James Island)
- Westmoreland Bridge (I-526 over the Ashley River between North Charleston and W. Ashley)

**At 25 mph, drawbridges are locked down to boat traffic.** Drawbridges and swing bridges (bridges that can be mechanically opened to allow for tall boat traffic to pass through from the water) will be **locked down to boat traffic** when sustained winds reach 25 mph or greater.



# Tri-County Evacuation Zones





## **Charleston, Dorchester and Berkeley County Evacuation Zone Descriptions**

**Zone A:** West of the Ashley River - Unincorporated areas of Charleston County from the Ashley River to the Colleton County line; Atlantic Ocean to the Dorchester County Line. This includes City of Folly Beach, Town of Hollywood, Town of Kiawah Island, Town of Meggett, Town of Ravenel, Town of Rockville, Town of Seabrook Island, James Island, Johns Island, Wadmalaw Island, Adams Run, Parkers Ferry, Wiltown, Yonges Island and all other unincorporated Charleston County in this area.

**Zone B:** Central Charleston - From the tip of the Peninsula to Ladson Road; from the Ashley River to the Wando River. This includes City of Charleston, City of North Charleston, the Town of Lincolnton, Daniel Island, St. Thomas Island, and unincorporated Charleston County.

**Zone C:** East of the Wando River - Unincorporated areas of Charleston County from the Atlantic Ocean to the Berkeley County line; Wando River to the Georgetown County line. This includes the Town of Mount Pleasant, Town of Isle of Palms, Town of Sullivan's Island, Town of Awendaw, the Town of McClellanville, Dewees Island, Capers Island, and Goat Island.

**Zone D:** Tidal River and Creeks/Southern Swamps - All properties along the Ashley River between Ashley River Road and Dorchester Road, from the Charleston County line to Bacons Bridge Rd. Properties that front the Sawmill Branch from Dorchester Road to Luden Road including Arbor Oaks, Sawbranch Apartments, Millbrook Apartments, and Creekside. Properties near Eagle Creek between Ladson Road and Parlor Road from Dorchester Road to the Charleston County line. Southeast portions of the county in the vicinity of Bear Swamp, Horse Savannah Swamp, Fishburne Creek, and Rantowles Creek including the Poplar Grove Community. All residents living in flood-prone areas or mobile/manufactured homes.

**Zone E:** Sand Hills/North Charleston/Wescott/Oakbrook/Miles Jamison Areas - Properties east of US Highway 17A to Dorchester Road including Summers Corner and Clubhouse Crossroads. Properties east of Orangeburg Road and South of Miles Jamison Road to the Charleston County line including South Main Mobile Home Park, Newington Plantation, Woodland Estates, Oakbrook, Wood Oak Park, Wescott, and the City of North Charleston in Dorchester County. All residents living in flood-prone areas or mobile/manufactured homes.

**Zone F:** The Cypress Swamp - Areas near the Cypress Swamp, the Edisto River, the Twin Lakes subdivision, and portions of The Ponds subdivision. All residents living in flood-prone areas or mobile/manufactured homes.

**Zone G:** Hanahan, Goose Creek, Ladson, Summerville, Whitesville, Pimlico, Cordesville, Huger, Cainhoy and Wando

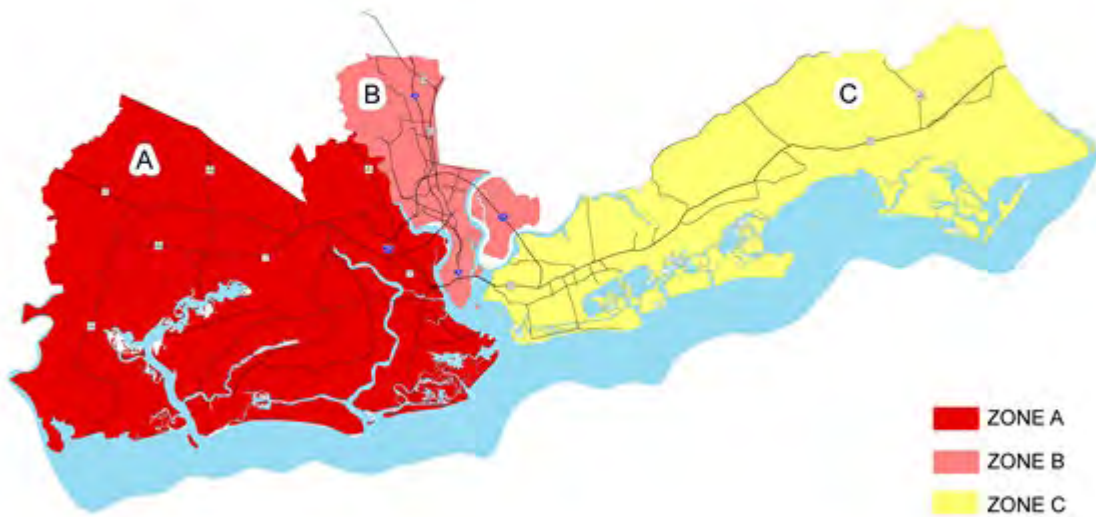
**Zone H:** Shulerville, Honey Hill, Jamestown, Alvin



# KNOW YOUR ZONE

LEARN — PLAN — EXECUTE

Enlarged Map of Charleston County Zones Only





# Shelter

Emergency shelters may be opened with the approach of a hurricane to South Carolina. Shelters should generally be used as a place of **last resort**.

- Individuals and families are encouraged to have emergency plans in place. Include relatives or friends with whom you can stay or locations to which you will travel.
- In the event of a major disaster, monitor local media outlets and Text “shelter” to 43362 and enter your Zip Code to get a list of nearby shelter locations.
- During an evacuation, listen for emergency alerts on the radio and look for road signs for shelter information.

Charleston County provides general population shelters for citizens who have been evacuated from their homes, for those who live in low-lying areas, and for others seeking shelter from a storm. Shelters are alcohol, drug and weapon free. Individuals should come prepared with supplies.

Items to bring to the shelter include:

- Water and food (3-day supply)
- Clothing and bedding
- Personal items, toiletries and medications
- First-aid supplies
- Important papers
- Miscellaneous items like games, toys, battery-powered radios and flashlights
- Identification card
- Medical Information card
- Daily prescriptions (2-week supply)
- Non-prescription medicines (2-week supply)
- Mobile phone charger, if needed
- Other special items such as eyeglasses, hearing aids, prosthetic devices, walkers, special dietary foods, etc.
- Medical supplies that you utilize on a daily basis, this includes any portable oxygen, cannula, diabetes testing kit, nebulizer, etc.
- A book, magazine, or something to occupy your time while you wait for the storm to pass



# Transportation

If an **evacuation** is ordered and you do not have transportation, buses will be provided to take you from the following pick-up points to the nearest available shelter. In the event of an emergency, pay attention to local media for possible pick-up location changes.

## **North Charleston #1 (Lower North Charleston)**

- NC-101: Bus stop at Rivers & Berlin's Restaurant Supply, 5051 Rivers Ave
- NC-102: Bus Stop at 3740 Rivers from Old K-Mart
- NC-103: Bus stop at Military Magnet Academy
- NC-104: Bus stop at Montague Avenue and McDowell Avenue
- NC-105: Bus stop at Remount Road and Saxon Street
- NC-106: Carta Bus Super Stop at Rivers Avenue and Cosgrove Ave
- NC-107: Bus stop at 2336 Meeting Street Rd & Delaware Street
- NC-108: Bus stop at Fabian Shopping Center, 4310 Rivers Avenue & Durant
- NC-109: Bus stop at Felix C. Davis Community Center at 4800 Park Circle
- NC-110: Bus stop at Spruill Avenue and Verde Avenue
- NC-111: Perry-Webb Community Center – 3200 Appleton Street
- NC-112: Bus stop at Spruill Avenue & Echo Avenue – 2347 Spruill Avenue
- NC-113: Bus stop at Meeting Street Road & Hackemann Ave. (Union Heights)
- NC-114: Bus stop at Spruill Avenue and Baxter Street

## **North Charleston #2 (Upper North Charleston)**

- NC-201: Bus stop at Hwy. 78 and Shadow Lane
- NC-202: Bus stop at Old K-Mart Super Center – 8571 Rivers Avenue and Otranto Road
- NC-203: Bus stop at Rivers Avenue and Ashley Phosphate Road at Aspen Dental
- NC-204: Bus stop at Rivers Avenue and Trident Technical College
- NC-205: Bus stop at Remount Road and Attaway St.
- NC-206: Bus stop at North Charleston Center – 5900 Rivers Avenue
- NC-207: Bus stop at Ashley Phosphate Road and Cross County Road
- NC-208: Bus stop at Ashley Phosphate Road and Stall Road
- NC-209: Bus stop on Greenridge Road and Rivers Ave.
- NC-210: Bi-Lo Shopping Center, 9612 US Highway 78 @ College Park Road
- NC-211: Grace Alliance Church, 8101 Northside Dr.
- NC-212: Journey Baptist Church, 8723 Salamander Rd
- NC-213: Bus stop at Rivers Ave and Midland Park Rd

## **North Charleston #3 (Dorchester Road Corridor)**

- NC-301: Bus stop at Dorchester Road and Madden/Stark Drive
- NC-302: Bus stop at Dorchester Road and Leeds Avenue
- NC-303: Bus stop at Oak Ridge Plaza – 5060 Dorchester Road
- NC-304: Bus stop at Goodwin Elementary School – 5501 Dorchester Road
- NC-305: Bus stop at Lambs Elementary School – 6800 Dorchester Road
- NC-306: Bus stop at Forest Hills – 7601 Dorchester Road and Lowell Dr
- NC-307: Bus stop at Dorchester Road and Paramount Drive

## **Mount Pleasant #1 (Arthur Ravenel Bridge to the Isle of Palms Connector)**

- MP-101: Bus stop at Frontage Road and Lansing Drive (Trader Joe's)
- MP-102: Bus stop at Ben Sawyer Blvd. and New Parrish Way



**Look for this sign designating a pick-up point location near you.**

### **Mount Pleasant #1 (Continued)**

MP-103: Bus stop at Johnnie Dodds Blvd. & Queensborough Shopping Center  
MP-104: Bus stop at Moultrie Middle School – 645 Coleman Blvd.  
MP-106: Bus stop at Coleman Blvd. and Harborgate Drive

### **Mount Pleasant #2 (North of the Isle of Palms Connector)**

MP-201: Bus stop at Hwy. 17 and Hwy. 41  
MP-202: Bus stop at Six Mile Road and Tea Planter Road  
MP-203: Bus stop at Hwy. 17 and Hamlin Road  
MP-204: Belle Hall Elementary School – 385 Egypt Road  
MP-205: Lucy Garrett Beckham High School – 1560 Mathis Ferry Road  
MP-206: Harris Teeter – 2035 Hwy. 41  
MP-207: Whitesides Elementary School – 1565 Rifle Range Road  
MP-208: Circle K - Hwy 41 at 1401 Joe Rouse Road.

### **Isle of Palms and Sullivan's Island**

IOP-301: Isle of Palms Recreation Center - 24 28th Avenue  
IOP-302: US Post Office – 1000 Palm Blvd (Isle of Palms)  
SI-303: Sullivan's Island Elementary School - 2014 Mike Perkis Place  
SI-304: Sunrise Presbyterian Church – 3222 Middle Street (Sullivan's Island)

### **Awendaw and McClellanville**

AM-401: South Santee Community Center - 710 S. Santee Rd, off Rutledge Rd  
AM-402: McClellanville Middle School - 711 Pinckney Street, McClellanville  
AM-403: St. James-Santee Elem School - 8900 Hwy. 17 North, McClellanville  
AM-404: Berkeley Co-Op - 7200 Hwy. 17 North and Union Road, Awendaw  
AM-405: Sawgrass Center - 6448 Hwy. 17 North, Awendaw  
AM-406: Seewee Outpost - 4853 Highway 17 North, Awendaw  
AM-407: Dollar General – 10141 Hwy. 17 North, Awendaw  
AM-408: McClellanville Diner – 9905 Hwy. 17 North  
AM-409: Mt. Nebo AME Church – 5600 Hwy. 17 North  
AM-410: Greater Zion AME Church – 4174 Hwy. 17 North  
AM-411: Hwy. 17 North and Carolina Park Blvd., Mt. Pleasant  
AM-412: St. James AME Church - 8004 Hwy 17N., Awendaw  
AM-413: Tibwin AME Church – 9442 Hwy 17 N.  
AM-414: Hwy 17N at Bee Hive Road.  
AM-415: Howard AME Church, Germantown - 2032 Rutledge Road.  
AM-416: Hwy 17N and River Road/Harney Lane.

### **Downtown Charleston**

CC-101: Bus stop at Meeting Street and Mary Street  
CC-102: Bus stop at Meeting Street and Johnson Street  
CC-103: Bus stop at Fishburne Street and Rutledge Avenue  
CC-104: Bus stop at King Street and Mt. Pleasant Street  
CC-105: Bus stop at Calhoun Street and Alexander Street  
CC-106: Bus stop at Beaufain Street and Market Street (Canterbury House)  
CC-107: Bridgeview Village Apartments – 106 D. North Romney Street  
CC-108: Bus stop at Doscher Avenue and Peonie Street  
CC-109: Bus stop at Rutledge Avenue and Simmons Street  
CC-110: Bus stop at Rutledge Avenue and Cannon Street  
CC-111: Bus stop at Rutledge Avenue and Bennett Street  
CC-112: Bus stop at Broad Street and King Street  
CC-113: Bus stop at East Bay Street and Hasell St (Wentworth Street)  
CC-114: Bus stop at Morrison Drive and Romney Street  
CC-115: Bus stop at President and Fishburne Streets

### **West Ashley**

CC-201: Bus stop at Ashely River Road and Bees Ferry Road  
CC-202: West Ashely Middle School – 1776 William Kennerty Drive  
CC-203: Bus stop at Ashley River Road and Glendale Drive  
CC-204: Bus stop at Savannah Hwy. and Wappoo Road  
CC-205: Bus stop at Savannah Hwy. and West Oak Forest Drive  
CC-206: Bus stop at Citadel Mall (across from United Community Bank)  
CC-207: Bus stop at Ashley Landing Mall (Near Burlington Clothing Store)  
CC-208: Charleston First Assembly - 2957 Savannah Highway (Highway 17)  
CC-209: Bus stop at Hwy. 61 and Peeks Pike  
CC-210: Bus stop at Hwy 61 and Wappoo  
CC-211: Bus stop at Magwood Drive and Charlie Hall Blvd.  
CC-212: Publix – 3642 Savannah Hwy  
CC-213: Bus stop at Folly Road and S. Windermere Blvd.  
CC-214: Bus stop at Hwy. 61 and Playground Road  
CC-215: Bus stop at Castlewood Blvd. and Savage Road  
CC-216: Bus stop at Ashley River Road and Woodland Road  
CC-217: Seventh Day Adventist Church – 2518 Savannah Hwy.  
CC-218: Bus Stop at 627 Savannah Highway, past Nicholson St.

### **James Island and Folly Beach**

CC-301: Bus stop at Folly Road and Maybank Hwy.  
CC-302: Bus stop at Folly Road and Ellis Oak Avenue  
CC-303: Bus stop at Riverland Drive and Lucky Road  
CC-304: Bus stop at Camp Road and Folly Road  
CC-305: Bus stop at Folly Road and Wilton Street  
CC-306: Camp Center – 1238 Camp Road  
CC-307: James Island High School – 1000 Ft. Johnson Road  
CC-308: Hideaway Pizza Kitchen – 608 Harbor View Road & Clearview Drive  
CC-309: Harris Teeter – 1005 Harbor View Road (at Harbor Place Drive)  
CC-310: Bus stop at Folly Road and Westway Drive  
CC-311: Harris Teeter – 1985 Folly Road and Sol Legere Road  
CC-312: Old Military Road and Lamar Road  
CC-313: Bus stop at Ft. Johnson Road and Secessionville Road  
CC-314: Riverland Drive and Stonewood Drive  
CC-315: Wappoo Drive and Plymouth Avenue  
CC-316: Folly Boat Landing – Folly Road at ICW – 97 Center Street

### **Johns Island**

JI-401: Charleston Executive Airport - 2700 Fort Trenholm Rd (off River Road)  
JI-402: Mount Zion Elementary School - 3464 River Road  
JI-403: Bohicket Road at Plow Ground Road  
JI-404: Ace Hardware/Island Center Executive Offices - 3690 Bohicket Road  
JI-405: BI-LO - 3575 Maybank Highway (Main Road and Maybank Highway)  
JI-406: St. John's High School - 1518 Main Road  
JI-407: Food Lion – 2770 Maybank Hwy  
JI-408: Stono Market and Tomato Shed – 842 Main Road  
JI-409: Hebron Zion Presbyterian Church – 2915 Bohicket Road  
JI-410: Betsy Kerrison Parkway and Habitat Blvd.  
JI-414: St. Johns Fire Station No. 5 – 4550 River Road  
JI-416: Greater St. Johns AME – 4326 Betsy Kerrison Parkway  
JI-417: Holy Spirit Catholic Church – 3871 Betsy Kerrison Parkway  
JI-418: Habitat for Humanity Office – 2545 Bohicket Road



### **Wadmalaw Island**

JI-411: New Jerusalem A.M.E. Church - 6179 Bears Bluff Road  
JI-412: Salem Presbyterian Church – 5591 Maybank Hwy  
JI-413: Frierson Elementary School - 6133 Maybank Highway  
JI-419: New St. James Bethel AME – 5305 Maybank Rd at Rose Bank Rd.

### **Adam's Run**

SP-101: Adam's Run Civic Center - 5166 Hwy. 174  
SP-102: St. Paul's Fire Department – 5674 Hwy. 174  
SP-103: Shiloh Baptist Church - 5629 Parkers Ferry Road  
SP-104: Bethel AME Church – 5495 Parkers Ferry Road at Mauss Hill Road.  
SP-105: Faith Ministries Church – 7121 Savannah Hwy.

### **Edisto Island**

SP-201: Geechie Boy Grits Market and Mill – 2975 Hwy. 174  
SP-202: Horizon E-Z Stop - 2410 Hwy. 174  
SP-203: Jane Edwards Elementary School - 1960 Jane Edwards Road  
SP-204: Trinity Episcopal Church – 1589 Hwy. 174  
SP-205: Enterprise Bank – 804 Oyster Factory Drive  
SP-206: True Value Hardware Store - 487 Hwy. 174

### **Hollywood, Ravenel, and Yonges Island**

SP-301: Rantowles Baptist Church - 4590 Hwy. 162 (Hollywood)  
SP-302: Baptist Hill High School - 5117 Baptist Hill Road (Hollywood)  
SP-303: Allen A.M.E. Church - 6940 Ethel Post Office Rd (Hollywood)  
SP-304: Minnie Hughes Elementary School - 8548 Willtown Rd (Hollywood)  
SP-305: Mt. Horr A.M.E. Church - 4360 Hwy. 174 (Hollywood)  
SP-306: Ravenel Town Hall - 5962 Hwy. 165, Suite 100 (Ravenel)  
SP-307: C.C. Blaney Elementary School - 7184 Hwy. 162 (Yonges Island)  
SP-308: St. Paul's Presbyterian Church – 7404 Hwy. 162  
SP-309: Christ St. Paul's Episcopal Church – 4981 Chapel Hill Road  
SP-310: Calvary Baptist Church – 4744 Hwy. 165  
SP-311: E.B. Ellington Elementary School – 5540 Old Jacksonboro Road  
SP-312: Quick Stop – 5737 Savannah Hwy at Glayton.  
SP-313: Bethel AME Church – 4595 Savannah Hwy.  
SP-314: Circle K/BP Station – 4315 Savannah Hwy near Hwy 162  
SP-315: Faithwalk Ministries Church – 6054 Hwy 162

### ***Transportation Notes:***

**If you have an animal to evacuate with you and you do not have transportation:** Contact the Charleston County Emergency Operations Center Citizen's Information Line at (843) 746-3900, and a vehicle will be dispatched to transport you and your pet(s) to the evacuation animal shelter. Bring all supplies needed for your pet: crate, collar, leash, food, identification, veterinarian/immunization records, etc.

**If you are disabled and cannot get to the nearest evacuation pick-up point:** Contact the Charleston County Emergency Operations Center Citizen's Information Line at (843) 746-3900, and a vehicle will be dispatched to transport you to the nearest available shelter.

**If you need transportation to the nearest shelter during a voluntary evacuation:** Contact the Charleston County Emergency Operations Center Citizen's Information Line at (843) 746-3900 for assistance.

**Pay attention to local media for any pick-up location changes.**



# After the Storm

## ***Special Needs Planning***

- **Medical Needs**

Charleston County Health Department at (843) 953 - 0038.

- **Mobility & Other Special Needs** Access Ability at (843) 225 - 5080.

**Stay tuned to local media for information. Return home only after authorities advise that it is safe to do so.**

- Enter your home with caution.
- Avoid loose or dangling power lines, report them immediately to the power company and call 911 to report the safety hazard.
- Beware of snakes, insects and other animals driven to higher ground, such as inside your home, by floodwater.
- Open windows and doors to ventilate and dry your home.
- Check the refrigerator for spoiled foods.
- Take pictures of the damage, both to the house and its contents, for insurance claims.
- Drive only if necessary and avoid flooded roads and washed-out bridges.
- Use the telephone only for emergency calls.
- Check for gas leaks. If you smell gas or hear a blowing or hissing noise, open a window and quickly leave the building. Turn off the gas at the outside main valve if you can and call the gas company from a neighbor's home. If you turn off the gas for any reason, it must be turned back on by a professional.
- Look for electrical system damage. If you see sparks or broken or frayed wires, or if you smell hot insulation, turn off the electricity at the main fuse box or circuit breaker. If you have to step in water to get to the fuse box or circuit breaker, call an electrician first for advice.
- Check for sewage and water line damage. If you suspect sewage lines are damaged, avoid using the toilets and call a plumber. If water pipes are damaged, contact the water company and avoid using water faucets.



# Managing Storm Debris

Do your part to help speed up the recovery process. Proper clean-up procedures can go a long way toward regaining your normal way of life. Separating debris maximizes recycling opportunities and reduces the amount of waste that goes into the landfill.

**Regular household garbage** should be put in its normal place/container and will be picked up by the regular provider. It should not be sorted into the storm debris piles.

**Don't C.H.E.A.T. the environment. Separate your debris into the following categories:**



## C

### Construction debris

Building materials, drywall, lumber, carpet, furniture, mattresses and plumbing



## H

### Hazardous waste

Oils, batteries, pesticides, paints, cleaning supplies and compressed gas



## E

### Electronics

Televisions, computers, radios, stereos, DVD players gaming systems and telephones



## A

### Appliances

Refrigerators, washers/dryers, freezers, air conditioners, stoves, water heaters and dishwashers



## T

### Trees and vegetation

Tree branches, leaves and logs

#### **CORRECT placement of debris piles:**

- Curbside within 15 feet of the road
- Between the street and the sidewalk (if there's a sidewalk)
- Pair up with neighbors and consolidate your waste piles

#### **INCORRECT placement of debris piles:**

- On the road
- On the sidewalk
- On or leaning against trees, water/gas meters, telephone poles or power towers



# Important Phone Numbers

<b>Charleston County Emergency Management Department</b>	<b>(843) 746 - 3800</b>
<b>Charleston County Building Services</b> (Preparing Your Home and Flood Zone Information)	<b>(843) 202 - 6930</b>
<b>Disabilities Resource Center</b> (Mobility Issues Assistance)	<b>(843) 225 - 5080</b>
<b>S.C. Department of Health and Environmental Control</b> (Medical Needs Assistance)	<b>(843) 953 - 0038</b>
<b>American Red Cross: South Carolina Region</b>	<b>(843) 764 - 2323</b>
<b>S.C. Department of Transportation</b> South Carolina 511 Traveler's Information System	<b>"511"</b>
<b>Charleston County Emergency Citizen's Information Line</b> (Open <u>only</u> during Emergency Operation Center Activation)	<b>(843) 746 - 3900</b>
<b>Charleston County Emergency Citizen's Information Line - <i>Spanish</i></b> (Open <u>only</u> during Emergency Operation Center Activation)	<b>(843) 746 - 3909</b>



# Family Communications Plan

Your family may not be together when disaster strikes, so plan how you will contact one another and review what you will do in different situations.

Out-of-Town Contact Name _____	Telephone Number: _____
Email: _____	Telephone Number: _____

Fill out the following information for each family member and keep it up to date.

Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____
Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____
Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____
Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____
Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____
Name: _____	Social Security Number: _____
Date of Birth: _____	Important Medical Information: _____

Where to go in an emergency. Write down where your family spends the most time: work, school and other places you frequent. Schools, daycare providers, workplaces and apartment buildings should all have site-specific emergency plans.

<b>Home</b> Address: _____ Phone Number: _____ Neighborhood Meeting Place: _____ Regional Meeting Place: _____	<b>Work</b> Address: _____ Phone Number: _____ Evacuation Location: _____
<b>School</b> Address: _____ Phone Number: _____ Evacuation Location: _____	<b>Work</b> Address: _____ Phone Number: _____ Evacuation Location: _____
<b>School</b> Address: _____ Phone Number: _____ Evacuation Location: _____	<b>Other place you frequent:</b> Address: _____ Phone Number: _____ Evacuation Location: _____
<b>School</b> Address: _____ Phone Number: _____ Evacuation Location: _____	<b>Other place you frequent:</b> Address: _____ Phone Number: _____ Evacuation Location: _____

Important Information	Name	Telephone #	Policy #
Doctor(s):			
Other:			
Pharmacist:			
Medical Insurance:			
Homeowners/Rental Insurance:			
Veterinarian/Kennel (for pets):			

Other useful phone numbers: **9-1-1** for emergencies. Police Non-Emergency Phone #: \_\_\_\_\_



# How you can help...

## Community Emergency Response Team (CERT)



**Assist your neighbors during an emergency by applying basic response skills to help save lives!**

**You will learn:**

- Disaster preparedness
- Fire safety
- Disaster medical operations
- Team organization
- Disaster psychology
- Terrorism response
- Light search & rescue

The Community Emergency Response Team (CERT) program educates volunteers about disaster preparedness for the hazards that may impact their area and trains them in basic disaster response skills, such as fire safety, light search and rescue, team organization, and disaster medical operations. CERT offers a consistent, nationwide approach to volunteer training and organization that professional responders can rely on during disaster situations, allowing them to focus on more complex tasks.

**Contact the Charleston County Emergency Management Department at [emergencymanagement@charlestoncounty.org](mailto:emergencymanagement@charlestoncounty.org) or 843-746-3800 to inquire about signing up for the next CERT class.**

# Charleston County Citizen Alert Notification System

If we can't reach you, we can't alert you

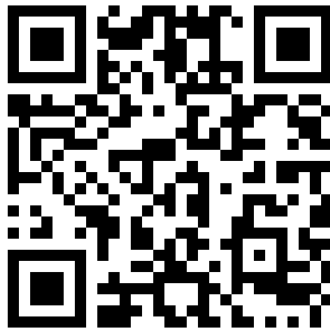


## Charleston County Citizen Alert Notification System

Get alerted about emergencies and other important community news by signing up for our Emergency Alert Program. This system enables us to provide you with critical information quickly in a variety of situations, such as severe weather, unexpected road closures, missing persons and evacuations of buildings or neighborhoods.

You will receive time-sensitive messages wherever you specify, such as your home, mobile or business phones, email address, text messages and more. You pick where, you pick how.

In order to register use the QR Code below or  
<https://member.everbridge.net/453003085611698/login>



<https://www.charlestoncounty.org/departments/emergency-management/>



**8500 Palmetto Commerce Parkway  
Ladson, SC 29456**

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