

Important information for neighbors of Point Beach Nuclear Power Plant

Our commitment to safety

The Point Beach Nuclear Power Plant has an outstanding record of safe operations. It is designed to withstand earthquakes and other natural events stronger than ever recorded in the region.

In addition, many layers of security protect the plant. The Nuclear Regulatory Commission, federal and local law enforcement, as well as NextEra Energy's own expert security team, are always on alert to ensure that plant facilities are protected and secure. As part of our commitment to safety, we test our emergency response system regularly.

This guide contains important emergency planning information for people located within 10 miles of the Point Beach Nuclear Power Plant.

It was developed by emergency management officials and provides basic information about what to do in the event of a nuclear emergency.

Emergency information

Planning is an important part of NextEra Energy Resources' strategy to protect you and your family. State and local officials, together with NextEra Energy Resources, have prepared a detailed emergency plan to protect people who live, work, visit or go to school within 10 miles of the plant. The plan, which is updated annually, is tested by drills, evaluated exercises and inspections. Conducting emergency drills improves the overall readiness of local authorities and enhances their ability to respond to emergencies.

In an emergency

The emergency alert system will be activated in the unlikely event of an emergency at the Point Beach Nuclear Power Plant that requires you to take any action. When you become aware of an emergency, the best course of action is to monitor local radio stations for specific instructions and prepare to either evacuate or shelter in place if you are directed to do so.

How you will be notified

- » The emergency alert system will broadcast official information on local radio stations.
- » Alerts will be sent to your cellphone. If you have functional needs or do not own a cellphone, contact your emergency management agency to be registered for notification and assistance.
- » National Oceanic and Atmospheric Administration (NOAA) weather radios will also broadcast official information.

What to do

- » Receiving an emergency alert does not necessarily mean you will need to evacuate the area.
- » If you receive an alert, go inside and monitor local radio stations. Prepare to take action if instructed.
- » Review the Emergency Planning Zone to identify your evacuation route if you are instructed to evacuate.
- » There is an established plan to relocate school children if needed. Do not attempt to pick up your children at their school. This causes traffic congestion, security risks and impedes the ability of authorities to move children to safety. Instead, review the plan and proceed to the appropriate host facility.

Alerts and warnings

There are four emergency classifications at nuclear power plants. Each type calls for a certain level of response from plant and government personnel.

- » **An Unusual Event** is a minor incident such as severe weather. Because of strict regulations, a number of events must be classified and reported as “unusual events” even though they pose no threat or danger to the public. Unusual Events do not require you to take any action.
- » **An Alert** is a minor incident that affects, or could potentially affect, reactor safety. Alerts do not require you to take any action.
- » **A Site Area Emergency** is a more serious incident such as: a major leak from the reactor coolant system; or an incident in which radioactive releases are possible or are occurring but will not affect the areas beyond the plant property. If necessary, officials will take action to ensure your safety.
- » **A General Emergency** is the most severe emergency classification. Radioactive releases that could affect the areas beyond the plant property are possible or are occurring and/or a major security event has occurred at the plant. If you need to take action, you will receive an alert instructing you to tune to local radio stations for official information.

Sheltering in place

The intent of sheltering in place is for you to remain where you are or to seek shelter close by if you are in the affected area. Shelter in place instructions may also be given to keep roadways clear so others can evacuate rapidly.

If you are directed to shelter in place:

- » DO NOT pick up children at schools, preschools or registered day care centers; our plans include special precautions for children in these facilities.
- » Tune to an emergency alert system station, monitor the situation and prepare to take additional actions if directed by local officials.
- » Limit non-emergency phone calls. If you must use a mobile device, texting is preferred.
- » **Do not evacuate unless instructed to do so through the emergency alert system.**

If indoors:

- » Remain there until further notice.
- » Shut all windows and doors.
- » Turn off all ventilation systems that draw air from the outside.
- » Cover open food containers.
- » Go to an interior room or basement with no windows.

If outdoors:

- » Go indoors immediately and follow the “if indoors” instructions.
- » Wash hands and face before eating and handling food.
- » Take a lukewarm shower, if possible.
- » If you must go outside, cover your nose and mouth with a handkerchief or mask. Move quickly and limit outdoor exposure as much as you can.

If you are in your car, at work, or away from home:

- » Close car windows, vents, and shut off heating and cooling systems that draw air from the outside.
- » Turn your radio on. Monitor the situation and follow directions from local officials.
- » If your home is in an area being told to shelter in place, DO NOT try to go home. Leave the Emergency Planning Zone or enter a nearby building.

Health conditions

If you foresee that you, or members of your household, will need assistance during an evacuation, please register with your local emergency management agency each year so they can plan for your transportation and sheltering needs. All information is kept confidential.

Register for evacuation assistance if:

- » You do not have access to a vehicle.
- » You need an ambulance or wheelchair accessible bus.
- » You need assistance to be led to safety.
- » You need TTY or other special emergency communications.
- » You need electricity for medical equipment.

How to register:

- » Contact your local emergency management agency office:
 - Kewaunee County (920) 845-9701.
 - Manitowoc County (920) 683-4360.

During an evacuation:

- » If you have not registered and need special transportation or shelter assistance during an evacuation, contact:
 - Kewaunee County Sheriff (920) 388-7108.
 - Manitowoc County Sheriff (920) 683-4200.
- » Registered individuals will be transported to a reception center.

What if I am in the hospital or a nursing home?

- » Hospital and special-care facilities have emergency plans to follow and will transfer patients to another facility, if necessary.

Evacuation information

Evacuation is a precautionary move recommended for your safety. Please evacuate promptly once the recommendation is made. If you do not live in an area being evacuated, keep off the roads so the people who most need to evacuate can.

If you are directed to evacuate, you should:

- » Follow the evacuation route to leave the area. Evacuation routes will also be announced through the emergency alert system.
- » Close all windows, doors and vents.
- » Move quickly, but do not rush or panic.
- » Pack necessities for one week, including medical supplies, personal items, bedding, extra clothing, identification, important papers and baby supplies.
- » If you have room in your vehicle, take neighbors or friends who need a ride.
- » Keep car windows and vents closed.
- » Law enforcement will have patrols to ensure your property is safe. Only those authorized will be allowed into evacuated areas.

Emergency reception center information

Reception centers are established to monitor evacuees for radiological contamination. Short-term housing and food is provided. Please follow the evacuation routes to the reception center for monitoring and registration even if you and your family do not need housing.

Kewaunee County reception center:

Luxemburg-Casco Intermediate School
318 N. Main Street, Luxemburg, WI 54217

Directions:

- » From the City of Kewaunee or Town of Pierce take State Hwy 42 north to State Hwy 54. Take State Hwy 54 west to Heritage Road, south on Main Street, east to Marcks Lane, Luxemburg.
- » From the Towns of Montpelier and Franklin take County Hwy AB north to State Hwy 54. Cross State Hwy 54 east to Marcks Lane, Luxemburg.

- » From the Towns of West Kewaunee and Carlton take State Hwy 42 north to State Hwy 54. Cross State Hwy 54 east to Marcks Lane, Luxemburg. Or take County Hwy B north to County Hwy C. Take County Hwy C north to State Hwy 54. Cross State Hwy 54 west to Heritage Road, south on Main Street and east on Marcks Lane.

Manitowoc County reception center:

Manitowoc County Highway Shop
3500 State Hwy 310, Manitowoc, WI

Directions:

- » From the City of Two Rivers take State Hwy 310 west to 3500 State Hwy 310, Manitowoc.
- » From Point Beach State Forest take County Hwy O south to Viceroy Road/County Hwy VV. Take Viceroy Road/County Hwy VV west to County Hwy B in Shoto. Take County Hwy B south to State Hwy 310. Take State Hwy 310 west to 3500 State Hwy 310, Manitowoc.
- » From the Towns of Kossuth and Gibson take County Hwy Q south to State Hwy 310. Take State Hwy 310 west to 3500 State Hwy 310, Manitowoc.
- » From the Towns of Two Creeks and Two Rivers take State Hwy 42 south to County Hwy VV. Take County Hwy VV west to County Hwy B in Shoto. Take County Hwy B south to State Hwy 310. Take State Hwy 310 west to 3500 State Hwy 310, Manitowoc.
- » From other areas south of County Hwy BB in Manitowoc County take State Hwy 42 to County Hwy BB. Take County Hwy BB west to County Hwy Q. Take County Hwy Q south to State Hwy 310 then west to 3500 State Hwy 310, Manitowoc.
- » From the Village of Mishicot or Town of Mishicot take County Hwy B south to State Hwy 310. Take State Hwy 310 west to 3500 State Hwy 310, Manitowoc.

Emergency transportation assistance

Emergency transportation will be provided along the evacuation routes for affected areas to those who have no other means of transportation. Contact Manitowoc County Emergency Management at (920) 683-4207 or Kewaunee County Emergency Management Agency at (920) 845-9701 each year to pre-register for evacuation assistance.

School relocation

Early in an emergency, school children may be moved to host facilities outside the Emergency Planning Zone. Public and private schools and licensed daycares in the 10-mile Emergency Planning Zone have emergency plans in place to ensure the safety of children. Children will be cared for, fed and housed at the host facility until a parent or guardian can safely pick them up. Please check with your school to learn more about their emergency plans.

- » **If your child's school is relocated, DO NOT attempt to pick them up at their normal school.** This causes traffic congestion, security risks and impedes the ability of authorities to move children to safety. Pick up your child at the designated host facility.
- » Do not phone the school as the phone lines are needed for emergency use.
- » Local radio stations will announce when and where school children may be picked up.
- » Parents and guardians can pick up children at the host facilities.

Manitowoc County

- » **Roncalli and Lutheran High Schools**
Students attending these Manitowoc schools who live in the 10-mile Emergency Planning Zone will remain at their respective school until plans can be made with their parents or guardians.
- » **Mishicot schools/daycares**
Transported to Valders Schools
138 Wilson Street, Valders, WI, 54245
- » **Two Rivers schools/daycares**
Transported to University of Wisconsin - Green Bay
Manitowoc Campus, 705 Viebahn Street
Manitowoc, WI, 54220

Kewaunee County

Students/children attending the following Kewaunee schools who live in the 10-mile Emergency Planning Zone will remain at their respective school until plans can be made with their parents or guardians:

- » Kewaunee High School
- » Kewaunee Holy Rosary School and Childcare
- » Kewaunee Elementary School
- » Kewaunee Middle School

Emergency alert system

In the unlikely event of an emergency at the Point Beach Nuclear Power Plant, you will be notified through a variety of methods.

The emergency alert system will be activated. The emergency alert system is a group of radio stations that broadcast official information during an emergency. The emergency alert system is the direct link between you and the people responsible for your safety. Instructions may be given to you at any hour, day or night, and will include recommendations as to what you should do for your protection. Do not worry if you miss the beginning of an emergency broadcast as the information will be repeated regularly.

Radio

Cleveland:	Sturgeon Bay:
» WLKN 98.1 FM	» WDOR 910 AM
Manitowoc/Two Rivers:	» WDOR 93.9 FM
» WCUB 980 AM	» WAUN 92.7 FM
» WLTU 92.1 FM	» WBDK 96.7 FM
» WOMT 1240 AM	» WRKU 102.1 FM
» WQTC 102.3 FM	» WRLU 104.1 FM
Denmark:	» WQDC 97.7 FM
» WGBW 1590 AM	

Mobile alerts

If an emergency occurs at the Point Beach Nuclear Power Plant that requires you to take action, emergency management officials will send out automatic alert messages to cellphones in the area. There is no need to sign up for this service.

Websites

During an emergency, up-to-date information will be posted at www.nexteraenergyresources.com/PointBeach

You can also find information about emergency preparedness on these websites:

Manitowoc County

co.manitowoc.wi.us/departments/emergency-management

Kewaunee County

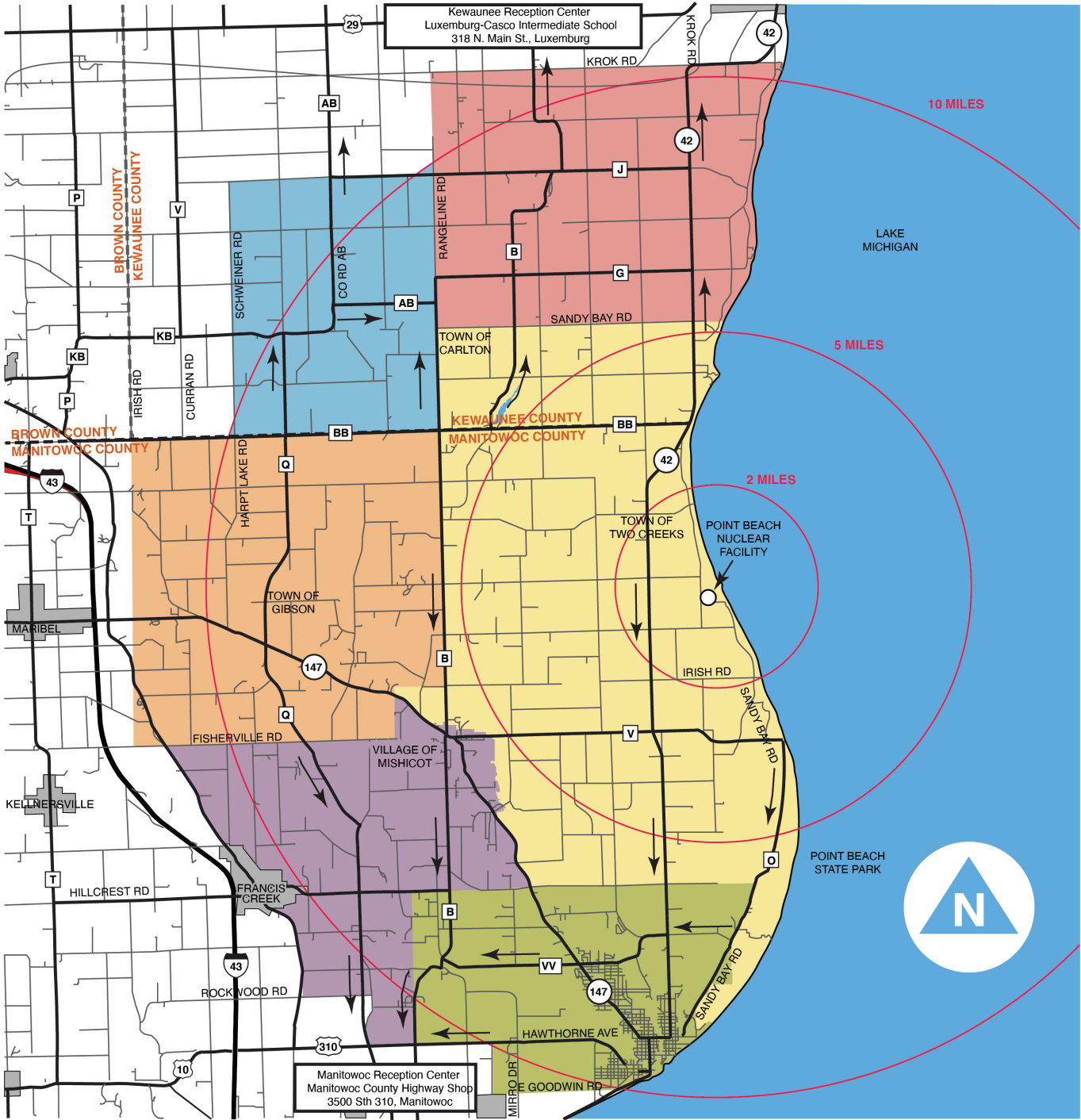
www.kewauneeco.org/departments/emergency-management/

Additional means of notification

During an emergency local fire, police and emergency officials may patrol affected areas within the Emergency Planning Zone to broadcast information via loudspeakers and/or go door-to-door to ensure residents are aware of the situation.

Emergency planning map

To save time and avoid confusion during an emergency, there are a few pieces of information that will help you and your family be prepared. Complete the emergency planning checklist at the end of this document to help your family prepare.



Farm information

In the event of an emergency at the Point Beach Nuclear Power Plant, state and local officials may direct farmers to perform specific actions. Instructions for farmers will be included in emergency alert system messages.

Livestock

Move livestock from pasture into an enclosed shelter and limit entry of outside air and water. Provide feed from protected sources. If unable to shelter livestock completely, utilize shelter that provides as much protection as possible from outside air and rainwater.

State and local government officials may need to take samples of milk, feed, and/or water for analysis. If dairy products are contaminated, specific actions will be recommended at that time.

Poultry and poultry products

Poultry raised indoors should be given protected feed and water. State and local officials will provide information about what actions to take with poultry raised outdoors.

Soil

Soils will be tested for contamination. State and local officials will recommend soil management procedures, if necessary.

Fish and marine life

State and local officials will monitor fish in ponds and hatcheries to determine if fish can continue to be harvested and consumed. Samples of water and fish from bodies of fresh water will be sampled. Recommendations will be made based upon sample results.

Grains

Unharvested grains will be sampled before harvesting. Harvested grains will be sampled before use.

Water

Protect open water sources. Cover rain barrels and tanks. Covered wells and other covered underground water sources require no further protective action. Disconnect fill pipes from storage containers that are replenished by surface run-off.

Honey

State and local officials will sample honey and bee hives. Recommendations will be made based upon sample results.

Food processors and distributors

Government officials may restrict the movement of food products and withhold them from the marketplace until sampling and analysis have been complete. Officials may instruct you to hold raw food products for sampling before processing. Officials will issue instructions on the safe handling and disposition of contaminated food products.

Reentry

Reentry is the temporary, controlled entry into a restricted area. If your farm is in the evacuated or restricted area, you may be allowed to return to your farm temporarily and tend to your operations when conditions permit. State and local government officials will utilize the media to advise if reentry is permitted. Specific instructions of routes, entry points and safety precautions will be given.

Recovery

Recovery is the process of reducing radiation in the environment to acceptable levels for normal daily living. State and local officials will obtain samples of air, water, soil, crops and animal products from farms and/or businesses. If contamination is found, they will provide you with specific instructions and assist you with decontamination procedures. Contaminated food will be isolated to prevent its entry into the marketplace. State officials will determine if condemnation and disposal are necessary.

You will be compensated for losses suffered as a result of a nuclear power plant accident. Carefully document all losses incurred.

Understanding nuclear energy and radiation

Benefits of Point Beach Nuclear Power Plant:

- » Produces no greenhouse gases or emissions
- » Produces clean, reliable and affordable electricity
- » Provides hundreds of high-quality jobs for local residents
- » A leader in environmental stewardship in the region
- » An economic engine for the entire state

Understanding nuclear energy and radiation

Nuclear power plants create steam to turn the blades of a turbine to generate electricity. Nuclear power plants use uranium fuel in a process called nuclear fission to generate the heat to create the steam.

The uranium fuel inside the reactor is radioactive. It is securely contained and constantly monitored. The fuel is encased in ceramic pellets which are stacked end-to-end inside long metal tubes. The tubes are assembled into fuel bundles that are immersed in water in the reactor core. The core is housed inside a nine-inch thick steel pressure vessel. That vessel is inside a robust containment building made of steel-reinforced concrete.

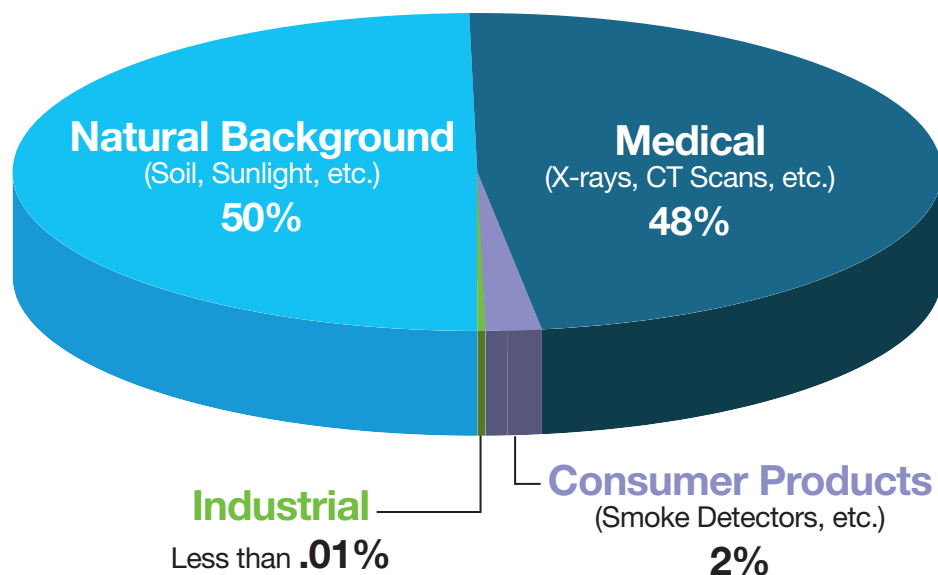
Exposure to large amounts of radiation can be harmful to human health. However, given the nuclear industry's strong commitment to safety, such exposures are extremely rare and unlikely.

Many monitoring devices placed in and around the Point Beach Nuclear Power Plant can detect very small amounts of radiation. Plant operators are alerted if radiation amounts increase above naturally occurring background levels. The operators then quickly notify state and county officials.

What is radiation?

Radiation is energy that is given off as a particle or wave. Radioactive elements are naturally occurring in small amounts throughout our environment. In the United States, natural sources, such as radon products, account for the majority of the radiation we are exposed to each year. Radiation also comes from medical tests such as X-rays, CT scans and nuclear medicine studies. Normal everyday items such as smoke detectors also emit small amounts of radiation. Less than one percent of the radiation to which people are exposed comes from nuclear power plants.

Source: National Council on Radiation Protection and Measurements
Report 160 (2009)



Evacuation checklist:

If your area is instructed to evacuate, calmly and carefully pack necessities for up to one week. You can use the following checklist to prepare.

Things to do:

- » Listen to local radio or television stations. Emergency officials will provide information and instructions.
- » Follow evacuation directions.
- » Secure your residence. Lock doors and windows.
- » Pet owners are reminded that pets require special consideration. Make arrangements for your pets to be housed outside of the emergency planning zone.
- » If you are not within the declared evacuation area, you should not evacuate. Continue to monitor the event and follow the instructions from local authorities. Evacuating when not required has the potential to increase the risk to your family and others by impeding the outbound traffic flow and slowing the evacuation from the affected area.
- » If you require evacuation assistance, make arrangements now by contacting your local emergency management agency.

Things to pack:

Medical items

- » Prescriptions
- » Eye glasses or contacts
- » Dentures
- » Special diet foods
- » Medical equipment
- » _____
- » _____
- » _____
- » _____
- » _____
- » _____

Baby supplies

- » Baby food and formula
- » Diapers and wipes
- » Favorite toy and blanket
- » Bottled water
- » _____
- » _____
- » _____
- » _____
- » _____
- » _____

Extra clothing

- » Enough clothing for several days for each person
- » Shoes
- » Coats or jackets depending on the weather
- » _____
- » _____
- » _____
- » _____

Personal hygiene items

- » Toothbrush/toothpaste
- » Shaving items
- » Sanitary items
- » Special soaps/shampoo
- » _____
- » _____
- » _____
- » _____
- » _____

Money

- » Cash and credit cards
- » Checkbook

Identification and important papers

- » Driver's license
- » List of medications
- » Passport
- » _____
- » _____
- » _____
- » _____
- » _____

Bedding

- » Two blankets or a sleeping bag for each person
- » Pillows
- » Towels

Miscellaneous

- » Portable radio with spare batteries
- » Flashlight with spare batteries
- » Cellphone charger
- » Extra car keys
- » _____
- » _____
- » _____

We hope you find this guide helpful. Please keep in mind it is not intended to be all-inclusive. You can find additional resources at **Ready.gov**.

Plan ahead:

To save time and avoid confusion during an emergency, there are a few pieces of information that will help you and your family be prepared.

I live in emergency planning area: _____

My emergency reception center is located: _____

My best evacuation route is: _____

I can pick my children up from their host school: _____

My plan for my pets: _____

Contact information

During an emergency, it is important to keep phone lines available for emergency workers. Do not use the telephone unless you need special assistance. If you need emergency assistance, call 911.

This information has been prepared by NextEra Energy Resources in cooperation with the Manitowoc and Kewaunee County emergency management agencies. You may obtain further information from any of the following organizations:

Manitowoc County Emergency Management Agency

(920) 683-4207
co.manitowoc.wi.us/departments/emergency-management/
[Facebook.com/ManitowocES](https://www.facebook.com/ManitowocES)

Kewaunee County Emergency Management Agency

(920) 845-9701
www.kewauneeco.org/departments/emergency-management/
[Facebook.com/KewCoEM/](https://www.facebook.com/KewCoEM/)

Point Beach Nuclear Power Plant

PointBeachNuclear.com