

Emergency Plan for Hayden Island

A large subduction zone earthquake may affect each neighborhood in Portland differently. Portland Bureau of Emergency Management advises each neighborhood and each citizen to be prepared for a variety of scenarios.

A 9.0 earthquake could last 3-5 minutes, compared to the 30-45 seconds of smaller, routine quakes. You won't be able to stand up. Shelving and wall hangings will fall. Let it go. Duck and cover. Get under a solid table and stay there. **Tsunamis, forming above a magnitude 7, may devastate the coast just minutes after the quake but won't be a big concern more than a dozen miles up the Columbia River.**



LIQUEFACTION

Our island is composed of sandy soil close to the water. Liquefaction, where the ground becomes jello-like, is likely to be our biggest enemy.

Some foundations will sink while others will spout water trapped within the sand. Mobile homes are 2-5 times more vulnerable than woodframe houses and may likely fall off their concrete block foundations.

A big quake could close traffic on the I-5 bridge, sever water and sewer pipes, halt communications and electricity.

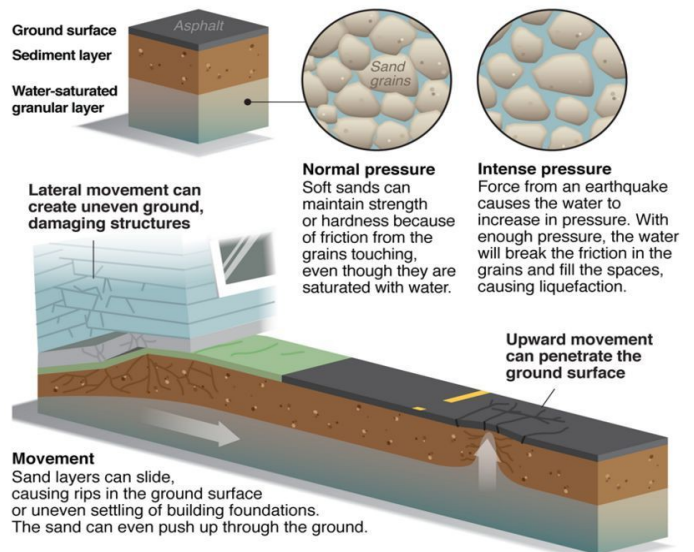
Consequently, food, water, shelter, heat, cell phone service, banking, travel and health services, which we take for granted, may or may not be available.

1. Develop a PLAN for you and your family.

- Sit down with your family and/or friends to discuss what to do. Imagine different times of day and scenarios—particularly who will be on what side of the river.
- Set up at least two places to meet: one outside of your home, the other outside of your neighborhood.
- Designate a contact—outside of Portland. Make them your communications hub.
- Your Family Plan gets everyone on the same page. It can save the day.

Soil liquefaction

Liquefaction is a phenomenon in which water-saturated sandy layers of earth act like liquids due to the pressure created by earthquakes.



Source: California Watch research

BRIAN CRAGIN / CALIFORNIA WATCH

.....
Write your family's name above

Family Emergency Communication Plan

HOUSEHOLD INFORMATION

Home #:
Address:
Name: Mobile #:
Other # or social media: Email:
Important medical or other information:
Name: Mobile #:
Other # or social media: Email:
Important medical or other information:

Name: Mobile #:
Other # or social media: Email:
Important medical or other information:

Name: Mobile #:
Other # or social media: Email:
Important medical or other information:

SCHOOL, CHILDCARE, CAREGIVER, AND WORKPLACE EMERGENCY PLANS

Name:
Address:
Emergency/Hotline #: Website:
Emergency Plan/Pick-Up:

Name:
Address:
Emergency/Hotline #: Website:
Emergency Plan/Pick-Up:

Name:
Address:
Emergency/Hotline #: Website:
Emergency Plan/Pick-Up:

Name:
Address:
Emergency/Hotline #: Website:
Emergency Plan/Pick-Up:

IN CASE OF EMERGENCY (ICE) CONTACT

Name: Mobile #:
Home #: Email:
Address:

OUT-OF-TOWN CONTACT

Name: Mobile #:
Home #: Email:
Address:

EMERGENCY MEETING PLACES

Indoor:
Instructions:

Neighborhood:
Instructions:

Out-of-Neighborhood:
Address:
Instructions:

Out-of-Town:
Address:
Instructions:

IMPORTANT NUMBERS OR INFORMATION

Police: Dial 911 or #:
Fire: Dial 911 or #:
Poison Control: #:
Doctor: #:
Doctor: #:
Pediatrician: #:
Dentist: #:
Medical Insurance: #:
Policy #: #:
Medical Insurance: #:
Policy #: #:
Hospital/Clinic: #:
Pharmacy: #:
Homeowner/Rental Insurance: #:
Policy #: #:
Flood Insurance: #:
Policy #: #:
Veterinarian: #:
Kennel: #:
Electric Company: #:
Gas Company: #:
Water Company: #:
Alternate/Accessible Transportation: #:
Other: #:
Other:

FOLD HERE

FOLD HERE

FOLD HERE

FOLD HERE

2. Create a Basic Disaster Kit with enough supplies for at least two weeks. Start with three necessities:

- **Water** — one gallon per person per day. A two week supply is recommended. That's 14 gallons per person.
- **Food** — items that don't need to be refrigerated or cooked (e.g., peanut butter, canned meats, energy bars, canned fruits and vegetables, etc.)
- **First Aid Kit** — include any prescription and over-the counter medications.

Basic Emergency Supplies



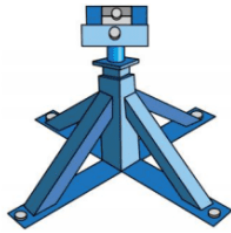
Recommended Items to Include in a Basic Emergency Supply Kit:

- Water, one gallon of water per person per day for at least three days, for drinking and sanitation**
- Food, at least a three-day supply of non-perishable food**
- Battery-powered or hand crank radio and a NOAA Weather Radio with tone alert and extra batteries for both**
- Flashlight and extra batteries**
- First aid kit**
- Whistle to signal for help**
- Dust mask, to help filter contaminated air and plastic sheeting and duct tape to shelter-in-place**
- Moist towelettes, garbage bags and plastic ties for personal sanitation**
- Wrench or pliers to turn off utilities**
- Can opener for food (if kit contains canned food)**
- Local maps**

3. Get to know your neighbors. Exchange information. Portland Emergency Team members (NET volunteers) are your neighbors. They will meet at a nearby Staging Area, scout the neighborhood in teams of two, identify tasks that other volunteers can carry out, and communicate with the Portland Fire Bureau and Portland's Emergency Operations Center for emergency help.

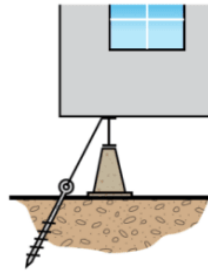
MOBILE HOMES

Reduce or prevent collapse



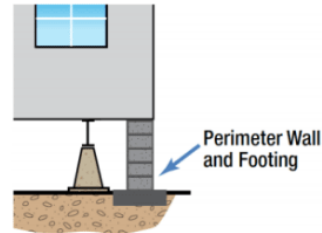
Good: Earthquake Resistant Bracing System (ERBS)
\$3,000-\$5,000

OR



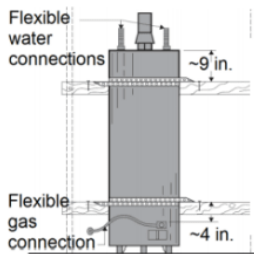
Better: Engineered Tie-down System (ETS)
\$1,000-\$2,000

OR



Best: Reinforced concrete or reinforced masonry foundation
\$5,000-\$50,000

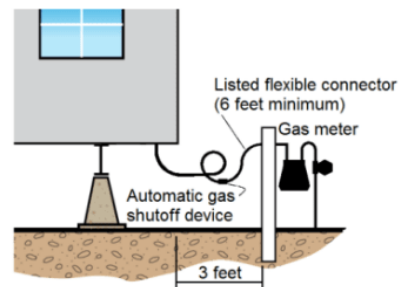
Reduce or prevent fire



◀ Brace water heater (\$35-\$200)

AND

Flexible gas connection (\$100) ▶



In the Manufactured Home Community, liquefaction may cause units to fall off their foundations. A fix would be expensive since sandy soil is unstable.

NATURAL GAS

BEFORE an Earthquake:

- Secure your gas equipment to minimize movement during a quake.
- Replace semi-rigid gas connectors with flexible connectors.
- Move combustibles away from appliances.

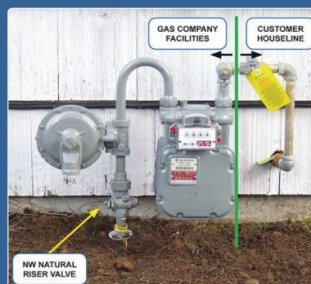
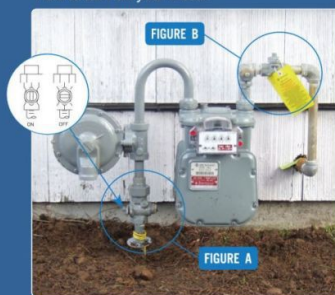
AFTER an Earthquake:

- If you detect a natural gas odor, leave the area on foot and then call NW Natural at 800.882.3377.
- **ONLY**, turn off your gas, if it is safe to do so.
- If you turn off your gas, **DO NOT** turn it back on yourself. Leave it off and contact NW Natural.

Regarding Earthquake Shut-off Valves:

- If you choose to install an earthquake shut-off valve, be sure to use a qualified, licensed contractor.
- Earthquake shut-off valves must be installed on the customer's side of the meter, not on NW Natural's.
- If the shut-off valve has closed you will need to contact a qualified, licensed contractor to reset the valve and relight your natural gas appliances.

How to turn-off your meter:



Learn how to turn off the gas from the outside shutoff valve. Use flexible gas connection to your home.

Propane Tanks. Bolt the four legs of the tank to a concrete pad. Install flexible hose connections between the tank, the supply line and the entrance to your house. Tie a wrench near the shut-off valve, and make sure all family members know how to use it.

IF YOU HAD TO RE-LOCATE, WHERE WOULD YOU GO?

What would YOU do? What would YOU take? It's worth considering. Basic utilities, water, electricity and gas may not be available. Staging areas in locations such as PIR or East Delta Park might be used for temporary shelter, communications, food and emergency medical response. We're lucky having lots of boats to get off the island. But should you stay or should you go? Listen to the radio. Pack a bag with a phone and a shared family plan.

DON'T PANIC

REPORT EMERGENCIES TO BEECN NODE. SHELTER IN PLACE IF ALL IS WELL.

A BEECN (Basic Earthquake Emergency Communication Node) is the place to go if phone service is down and you need to report severe damage or injury. On Hayden Island our BEECN node will be located by the Bed Mart parking lot, on the far west side of the Jantzen Beach shopping center.

If you and your neighbors appear to be okay, then you should shelter in place at your residence. Radio & tv should have official advisories as well as local BEECN nodes.

MORE INFORMATION

WWW.HAYDEN-ISLAND.NET	www.portlandgeneral.com/outages/
https://portlandprepares.org/	www.portlandoregon.gov/pbem/
www.portlandoregon.gov/fire/	facebook.com/groups/portlandprepares/
www.publicalerts.org/	https://twitter.com/nwnatural
www.tripcheck.com/	https://twitter.com/portlandgeneral
www.oregon.gov/OEM	www.redcross.org/local/oregon