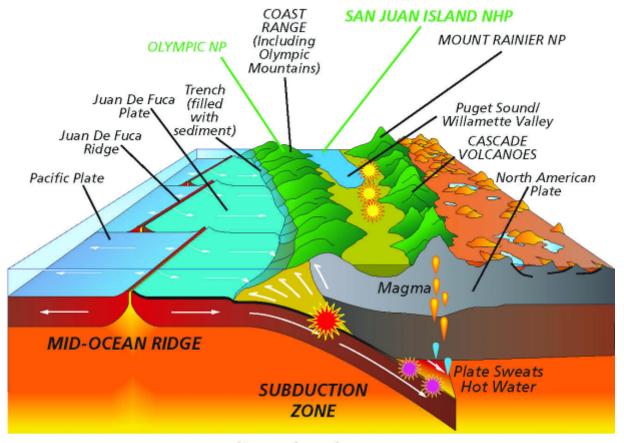
Preplate

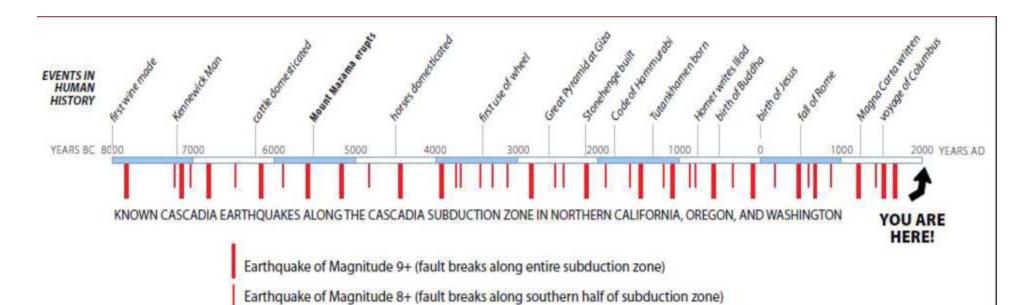
Agenda

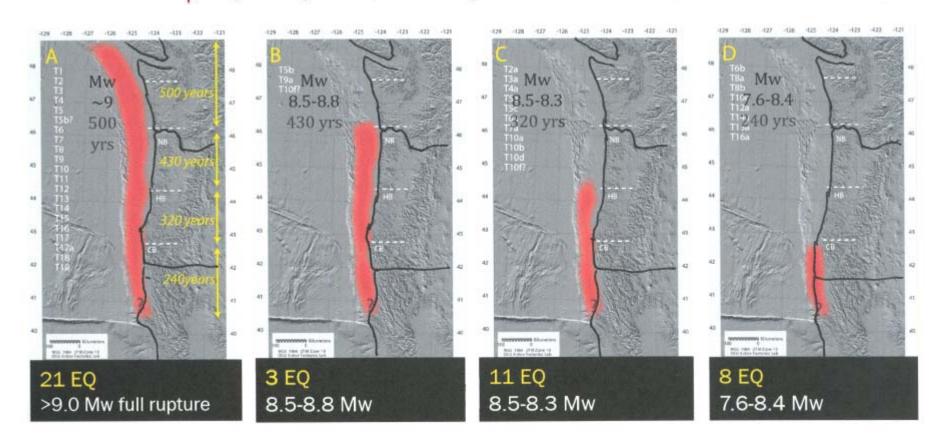
- Brief overview of the Cascadia Subduction Zone earthquake
- Description of where Neighborhood Associations are in the response structure
- Report on recent improvements in the readiness of the city's infrastructure
- Check-in with each chair on what kind, if any, organization already exists in your NA and what assistance you might need.

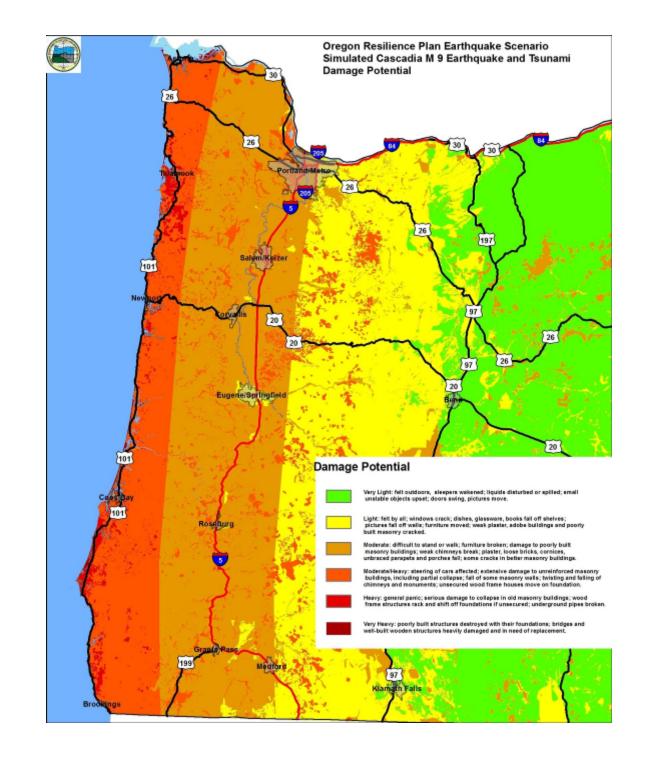


Cascadia earthquake sources

W	Source	Affected area	Max. size	Recurrence
*	Subduction Zone	West. WA, OR, CA	M 9	500-600 years
**	Deep Juan De Fuca Plate	West. WA, OR	M 7+	30-50 years (1949, 1965, 2001)
ANK.	Crustal faults	WA, OR, CA	M 7+	hundreds of years? (CE 900, 1872)







Levels of Response

Federal

State

County

City

Neighborhood Associations (PrepLO)

Blocks

Household

Maintenance Center



Public Works & Parks Facility



ROADS AND BRIDGES





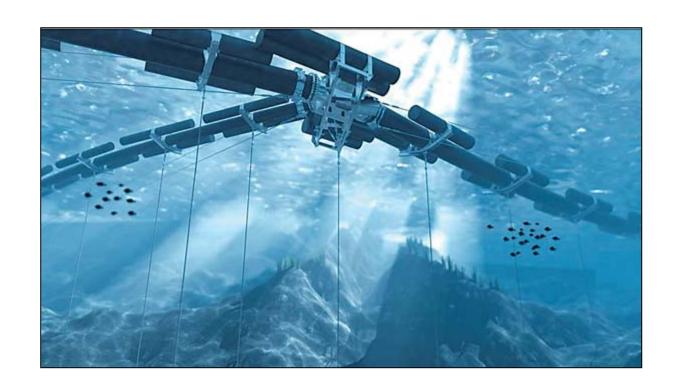




WATER



SEWER



ELECTRICITY





NATURAL GAS







NW Natural's Pipeline System:

- Our pipeline system exceeds federal pipeline safety regulations.
- We have one of the most modern systems in the nation, with no bare steel or cast iron pipe left.
 The materials in our system are more ductile (flexible) and perform better in land movement.
- NW Natural also has thousands of shut-off valves to control our system in the event of any emergency. Some close automatically; some are controlled remotely from our Gas Control Center; and others are manually operated.
- Further, NW Natural has installed more than 200,000 excess flow valves (EFVs) throughout our system intended to automatically shut off gas in the event of damage to the service line.
- NW Natural maintains emergency first responders around the clock. In the event of an earthquake, field personnel will be called out to respond to the event. We also have mutual assistance agreements with other natural gas utilities across the Western U.S. which allows access to additional trained personnel in case of an extended event.



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.



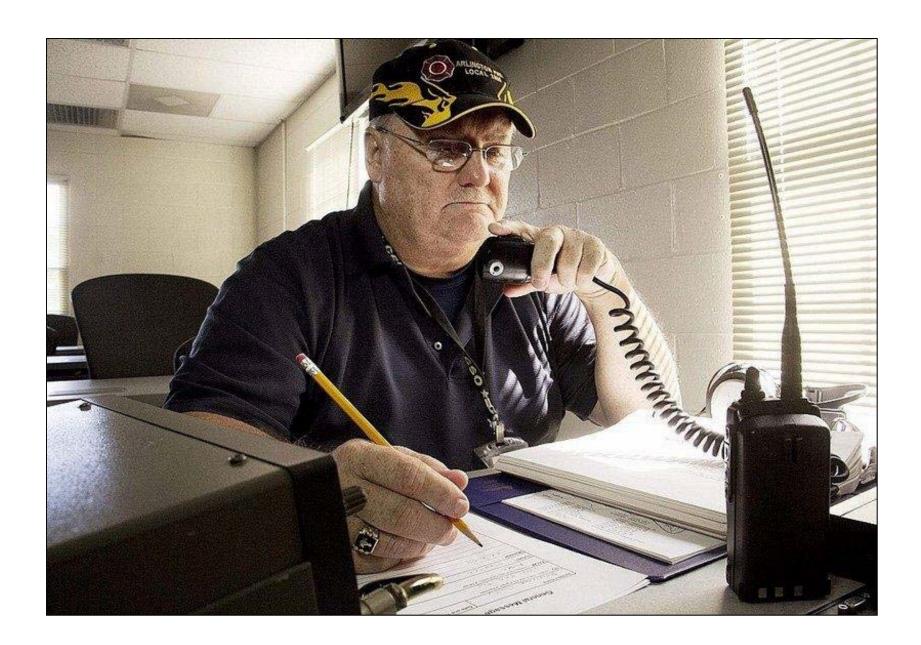




For more information, visit: www.nwnatural.com/Residential/Safety/EarthquakePreparedness

COMMUNICATIONS





SCHOOLS



Summary

Within 5 years LO will have

- A new LOCOM/police facility
- New waste water treatment facility
- New county-wide communication network
- New maintenance facility
- New water treatment plant
- New sewer interceptor
- One new junior high school/emergency shelter

All built to withstand a 9.0 earthquake

Let's make it our job to have all of our neighborhoods organized and citizens prepared by 2021

How to organize your NA

No one answer – each has done it differently

Common elements:

- A driving force one or two people who are passionate about it.
- Divide neighborhood into sections.
- Educational gatherings
 - Large group for a speaker at NA general meetings
 - Small group classes on different subjects

Goals

- Individuals prepare their own homes and families
- Individuals make plans with their immediate neighbors
- Develop a communication system for reporting to the closest fire station

Overarching goal: make everyone feel like they will be taken care of and have a part to play in recovery.

Tools

Individuals

- Websites www.preporegon.org
- Living on Shaky Ground brochures available from Bonnie Hirschberger at City Hall
- Educational gatherings
- Handout

Immediate neighbors (blocks)

Map Your Neighborhood exercise – available at Main Fire Station

Communication System

 Will develop as a result of dividing up, and activating, sections of your neighborhood