

# Updates from Oregon

## 2013 National Earthquake Program Managers Meeting

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# From Awareness to Action

Gold Beach, Oregon  
becomes *TsunamiReady*



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# Education and Outreach



Statewide  
Drop, Cover,  
and Hold On Drill



## 2013 Tsunami Road Show

- 9 Tsunami Prep Talks
- 6 Distant Tsunami Response training



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# Tsunami evacuation planning

## Newport Tsunami Refuge and Interpretive Trail



Japanese Tsunami Exhibit at  
Hatfield Marine Science Center, Newport, OR



# Oregon Resiliency Plan

- To help Oregon make long-term investments to reduce earthquake and tsunami risk over multiple generations.
- Includes a comprehensive list of actions for steady change over the next 50 years
  - to help save lives
  - reduce damage
  - promote a quicker recovery.
- Systematic effort to assess:
  - buildings
  - lifelines
  - social systems

## The Oregon Resilience Plan Executive Summary

Reducing Risk and Improving Recovery  
for the Next Cascadia Earthquake and Tsunami

Report to the 77<sup>th</sup> Legislative Assembly  
from Oregon Seismic Safety  
Policy Advisory Commission (OSSPAC)

Salem, Oregon  
February 2023



This Plan establishes a 50-year goal of recovery based on attainable examples from Chile and Japan to provide transportation, utility and communication services back to 90% capacity within four weeks of the disaster.



# Mitigating tsunami impact on coastal schools

- Waldport High School
  - First FEMA tsunami acquisition project in the country.
  - Lincoln County School District secured a bond to rebuild a new high school on the hill above the city.
- Seaside School District
  - Board approved a resolution to authorize the designing of a new school campus above the tsunami inundation zone.
  - A bond measure in November 2013.
- Cannon Beach City Council agreed to acquire 55 acres to expand the city limits for a new school site above the tsunami inundation zone.



# Mitigating the impact of earthquakes on schools

- State Seismic Rehabilitation Grant Program
  - Funded 25 schools throughout the state
  - Will save lives of more than 8000 students
- Portland Public Schools bond measure
  - \$482 million school construction bond by a two thirds majority
- Oregon University Systems
  - Many universities buildings have been retrofitted or will be retrofitted in the near future.
- Private Universities
  - Some private university buildings have been renovated.



# State Seismic Rehabilitation Grant Program

## ■ Funded 18 Emergency Response and Hospital Facilities

Awarded in 2009  
to 2010

<b>Emergency Services</b>	
<u><b>Entity</b></u>	<u><b>Project</b></u>
Tuality Healthcare	Tuality Hospital, Building A
City of Dallas Fire Department	Dallas Fire Station
City of Albany Fire Department	Station 12
City of Gresham Fire & Emergency Services	Stations 71 (Public Safety Building) & 72
Netarts Oceanside Fire District	Station 61
City of St. Helens Police Department	St. Helens Police Station
Klamath County Fire District No. 1	Station 6
City of Eugene	Danebo Fire Station Number 8
Silverton Fire District	Scotts Mills Station
Oregon Health & Science University	University Hospital South
City of Coos Bay	Coos Bay City Hall

Awarded in 2010  
to 2011

<b>Emergency Services</b>	
<u><b>Entity</b></u>	<u><b>Project</b></u>
Langlois RFPD	Langlois Fire Station
City of Garibaldi	Garibaldi Fire Station
City of Grants Pass	Hillcrest Public Safety Building
City of Astoria	Public Safety Building
Santa Clara Fire District	Station 1
City of Hood River	Hood River Fire Department
Woodburn RFPD	Station 22



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# Mitigating the impact of earthquakes on emergency facilities

- City of Portland:
  - Renovated nearly all of their fire stations
  - Constructing a new Emergency Communication Center
- TVFR
  - On going program to renovated their fire stations



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# Mitigating the impact of earthquakes on transportation



1947 original and 1999 detour

## Tsunami Resistant Bridge: US 101 Spencer Creek Bridge



<http://www.slayden.com/us-101-spencer-creek-bridge/>



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# Mitigating the impact of earthquakes on lifelines



50 MG Powell Butte  
Reservoir  
City of Portland PWB



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# Questions?

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