Seismic Resilience in Oregon
EERI – 69th Annual Meeting

Michael K. Harryman, M.A.
State Resilience Officer
Office of Governor Kate Brown
March 2017
Hazard Vulnerability Assessment

Figure 1  Oregon’s Public Health Hazard Vulnerability Assessment (PH-HVA)
Resilience

“ability to prepare and plan for, absorb, recover from or more successfully adapt to actual or potential adverse events”

National Academy of Sciences – 2012

“resilience is a dynamic quality and is usually developed and strengthened over time, it builds upon rather than replaces existing strengths and arrangements”

Queensland Reconstruction Authority – 2012
RESILIENCE
‘the capacity to prevent, mitigate, prepare for, respond to and recover from the impacts of disasters’

Prevent
Reconnect, rebuild and improve Oregon, its communities and economy.

Why?
To rebuild a stronger, more resilient Oregon.

Cabinet’s strategic objectives:
1. Maintain the self-confidence of Oregonians.
2. Build a resilient Oregon and support resilient Oregonians.
3. Enhance preparedness and disaster mitigation.
4. Continue implementation of the Oregon Resilience Plan.

For example:
- Planning for a stronger, more resilient Oregon, the Oregon Resilience Plan
- The Oregon State Emergency Alert System Plan

Prepare
The taking of preparatory measures to ensure that, if an event occurs, communities, resources and services are able to cope with the effects of the event.

For example:
- The Cascadia Playbook-State Emergency Coordination
- Emergency Response System-OERS
- State Search and Rescue Operations

Respond
The taking of appropriate measures to respond to an event, including action taken and measures planned in anticipation of, during and immediately after an event to ensure that its effects are minimized and that persons affected by the event are given immediate relief and support.

For example:
- One Oregon: A vision for Oregon’s transportation system
- Seismic Rehabilitation Grants
- Public Health Modernization
- Build a culture of preparedness and resilience at all levels

Recover
The taking of appropriate measures to recover from an event, including the action taken to support disaster-affected communities in the reconstruction of infrastructure, the restoration of emotional, social, economic and physical wellbeing and the restoration of the environment.

For example:
- State of Oregon Recovery Plan
- Regional Solutions Development and Recovery Package
- Mass Care/Mass Displacement Package
The Oregon Resilience Plan

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

Report to the 77th Legislative Assembly

from
Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

Salem, Oregon
February 2013

History

• The Oregon Resilience Plan – February 2013
  • Report to the 77th Legislative Assembly
  • Oregon Seismic Safety Policy Advisory Commission (OSSPAC)
    • 50-year plan

• Senate Bill 33 Task Force – October 2014
  • Implementation recommendations

• HB 2270 – July 2015
  • Created State Resilience Officer – ORS 401.913
  • In the Office of Governor

• Confirmed on May 25, 2016
  • Article III, section 4, of the Oregon Constitution
Governor’s Recommended Budget

- Seismic Upgrades: Preparedness for Schools - $160M
- Seismic Upgrades: Emergency Services Buildings - $40M
- Special Public Works Fund - $50M
- School Environmental Safety Bonding - $160M
- Schools: Capital Costs School Districts - $116M
- Affordable Housing Preservation/LIFT - $70M
- Regional Armory Emergency Enhancement Project - $16.4M
- Armory Service Life Extension Projects – $6.9M
- Water Supply Grants - $30 M
- Water Feasibility Grants - $2M
Oregon Resilience Buildings 1 & 2
Contact Information

Mike Harryman, M.A.
Office of Governor Kate Brown
State Resilience Officer
800 NE Oregon St., Ste. 965
Portland, OR 97232
mike.k.harryman@oregon.gov
(C) 503.975.1911
(O)971.673.1541