

Resilience in Oregon

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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

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

- 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

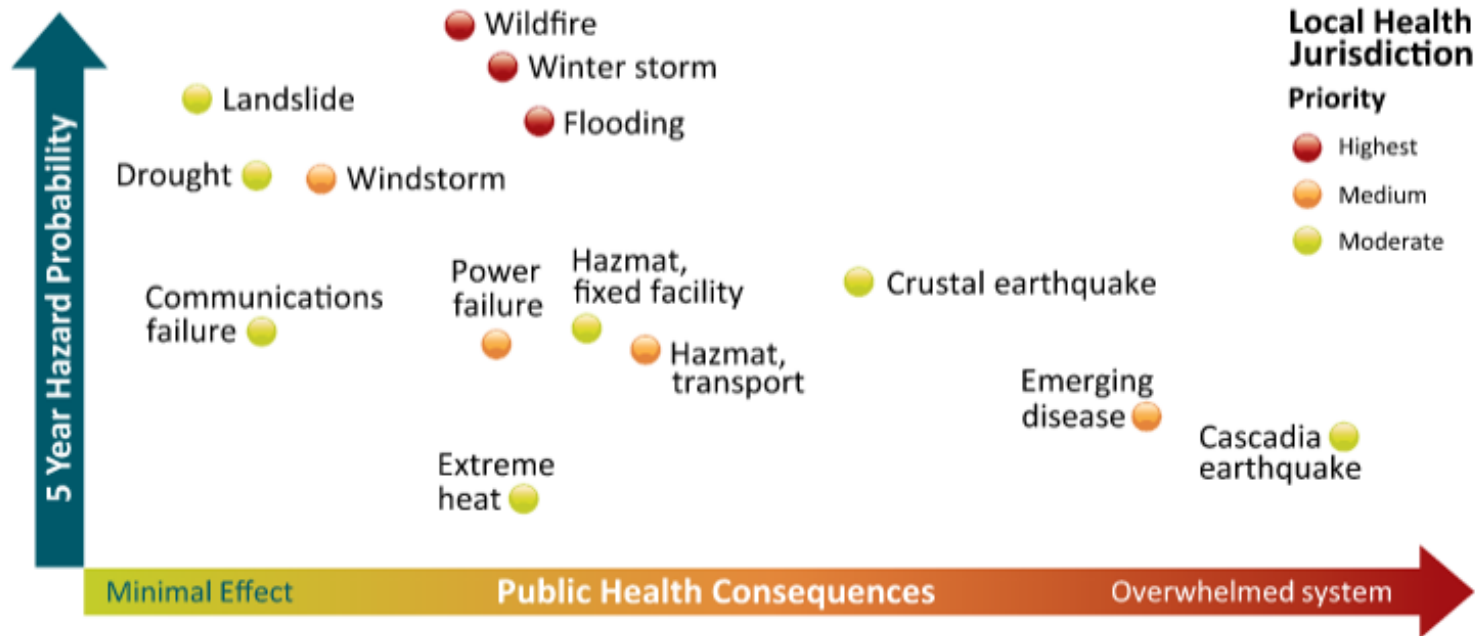
Oversight of the SRO

- ...State establish the office of State Resilience Officer in the office of the Governor;
- ...SRO shall direct, implement and coordinate seismic safety;
- ...resilience goal setting; and
- ...state agency planning & preparedness to improve seismic safety, and resilience



Hazard Vulnerability Assessment

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



Oregon – Resilience in the disaster management cycle

Oregon Disaster and Economic Recovery Cabinet

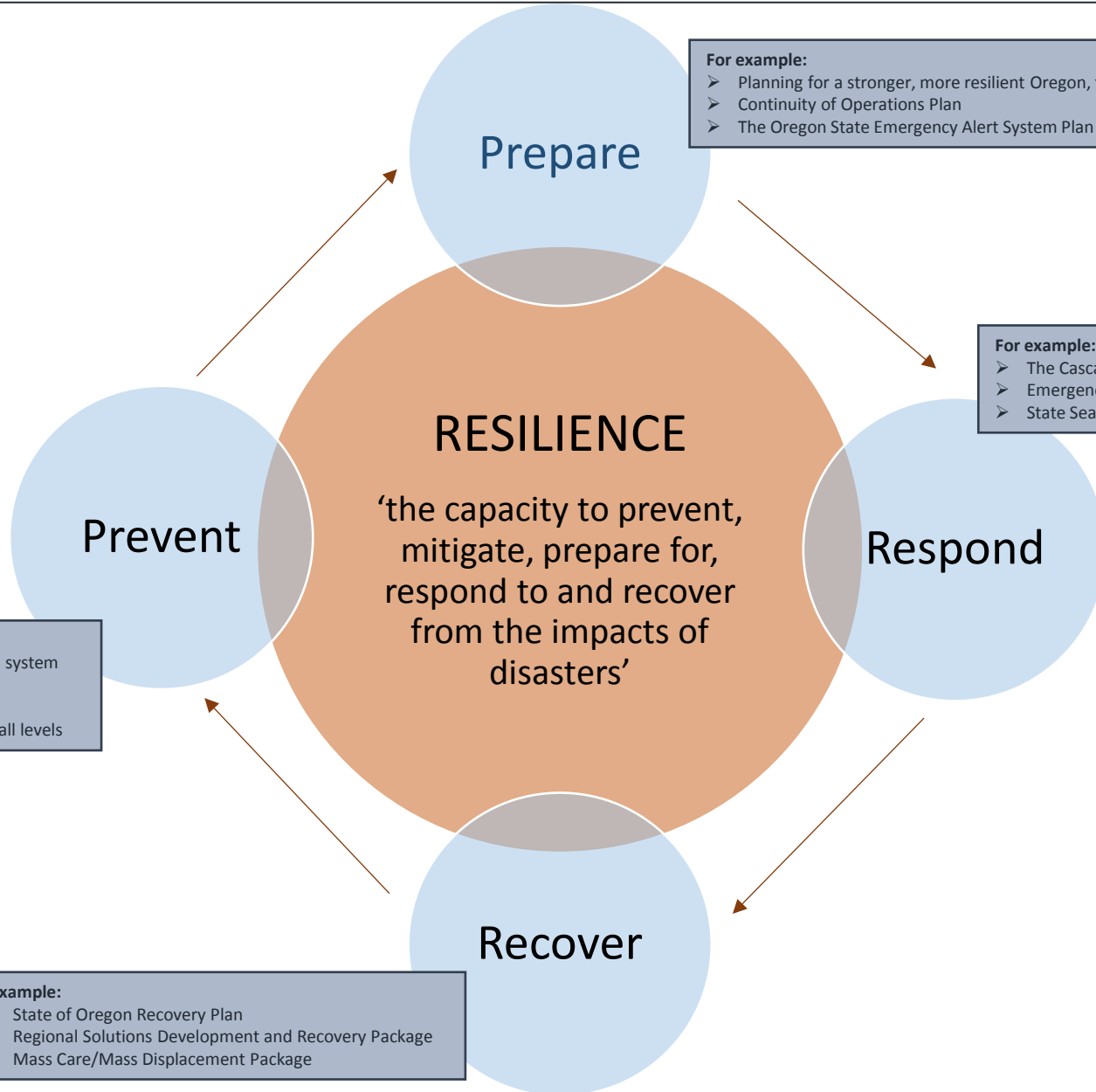
Reconnect, rebuild and improve Oregon, its communities and economy.

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
- Continuity of Operations Plan
- The Oregon State Emergency Alert System Plan

For example:

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

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

For example:

- State of Oregon Recovery Plan
- Regional Solutions Development and Recovery Package
- Mass Care/Mass Displacement Package

Prevent

The taking of preventative measures to reduce the likelihood of an event occurring or, if an event occurs, to reduce the severity of the event

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.

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.

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.

Triple 3 Resilience Target

A Resilient Engineering Framework: *Adapting to Extreme Events* –

- *3 days: to meet immediate infrastructure needs*
- *3 weeks: to meet basic needs*
- *3 years: to modernize infrastructure*





Built Infrastructure

- *ability to withstand impacts of disasters*
- *hospitals*
- *local government*
- *emergency response facilities*
- *schools*
- *homes*
- *businesses*
- *bridges*
- *roads*



Critical and Environmental Infrastructure

- *enhance/limit ability to recover*
- *water*
- *sewage*
- *transportation*
- *power*
- *communications*
- *natural infrastructure*





Continuity of State Government

- **Oregon Leadership: Executive | Legislative | Judicial**
 - Executive Order No. 16-07: Governor's Disaster Cabinet | Economic Recovery Council
- **Mission Critical Building(s)**
 - Oregon Resilience Building – Yellow and Red lot in Capital Mall area
 - 17-19 BI – planning
 - 19-21 BI – build
- **State Agencies: Business Continuity Plans**
- **State Workforce**
 - OEM survey to all state agencies



Social Factors

- *enhance/limit ability to recover*
- *social capital*
- *education*
- *language*
- *governance*
- *financial structure*
- *culture*
- *workforce*





Vulnerable Populations

- *individual/groups*
- *minority status*
- *health issues*
- *mobility*
- *socioeconomic status*



SRO – Priorities

- Continuity of State Government, all three branches
 - Mission Critical Building
 - Executive – Legislative – Judicial
 - State Workforce
- *People*: Water | Food | Shelter | Public Health | Medical
- *Infrastructure*: Fuel | Power | Communications
- *Transportation Lifelines*: Roads | Bridges | Airports | Seaports
- *Land Use*: Building Codes | Flooding Zones | Inundation Zones



Contact Information

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