Oregon Resilience Plan: Innovative, Integrative and Effective

11NCEE, Los Angeles CA
June 29, 2018
Yumei Wang
Oregon Department of Geology and Mineral Industries (DOGAMI)
State of Oregon’s Successes

1. **Seismic Rehabilitation Grant Program (SRGP)**
   - Funds schools and emergency facilities
   - Managed by Oregon Business (state agency)

2. **Oregon Resilience Plan (ORP)**
   - 50 year planning horizon
   - Since 2016, overseen by State Resilience Officer

*Hints:*

*Need champions to improve seismic safety*

*Integrate, if possible, into an institutionalized system*
#1 SRGP Grant Program …
… Long Start Up Process

- 1999 M8.5 damage and loss study
- 2001 Legislation (ORS 455.400)
  - 2022 emergency, 2032 schools
- 2002 ballot measures
- 2004 GO bond task force
- 2005 SB 2,3,4,5
- 2007 statewide assessment completed
- 2009 – ongoing. grant program using state bonds
- 2012 SB 1566 requires school district to report
- 2013 SB 813 Switched agencies
- 2015-17 Governor’s Budget $100M
- 2015 Legislation
  - $207M for grant program
  - Oregon Dept Education (ODE) match funds on bonds and technical assistance grants
- 2016 ODE issues first technical assistance grants
- 2018 SRGP cap raised $1.5M to $2.5M

Resolved Obstacles
- Awareness: public and leaders
  Early school advocates: “seismic = black hole”
- Great Recession (limited State borrowing)
- Switched state agencies
Many Involved! 2004 GO Bond Task Force

Oregon Senate President Peter Courtney & staff
Oregon Legislative Fiscal
Oregon Legislative Counsel
Oregon Seismic Safety Policy Advisory Commission
Oregon Dept of Geology and Mineral Industries
Oregon Emergency Management
Local Emergency Management departments
American Red Cross
Oregon Department of Education
Division of Health Services
Representatives from Individual Oregon Fire Districts
Representatives from Structural Engineering
Association of Oregon Hospitals
City of Berkeley, California (invited speaker)
United States Geological Survey (invited speaker)
California Division of the State Architect (invited speaker)
Oregon University System
Oregon School Boards Association
Department of Community Colleges & Workforce
Federal Emergency Management Association
Oregon Sheriff’s Association

Oregon Community Colleges Association
Representatives from Individual Oregon Community Colleges
Oregon Fire Chiefs Association
Oregon State Fire Fighters Council
Oregon Department of Administrative Services
Oregon Natural Hazards Workshop
Engineering Faculty from Portland State University
Various other stakeholders, Businesses and Public at Large
Oregon Emergency Management
League of Oregon Cities
City of Portland
City of Salem
City of Mt. Angel
Associated General Contractors Oregon
Oregon Department of Transportation
Oregon Department of Land Conservation and Development
Portland Metro Association of Buildings
Portland Public Schools
Oregon Association of Hospitals and Health Systems
Oregon Association Chiefs of Police
Active Support of Bills...Easy is Good

Safe Communities and Schools
Preparing for Earthquakes

Senate Bills 2, 3, 4 and 5, currently under consideration by the Oregon Legislature, would assist Oregon communities and schools to be safe in earthquakes (Oregon Revised Statutes 455.600 requirement). Currently, fire, police, hospitals and public schools are required to be safe during earthquakes. Unfortunately, hundreds of these buildings were not built to withstand earthquake shaking and will be severely damaged. In 2002, Oregonians voted to appropriate state bond funds to help fix the most vulnerable buildings. Senate Bills 2, 3, 4 and 5 would identify the highest risk buildings, and carefully allocate state bond funds to help the worst communities and schools in the most cost-effective manner.

Fire, police, and hospitals are important to have operating during emergencies to respond to problems and help with damage in our communities. In earthquake disasters, schools often function as community gathering centers and provide a sense of normalcy in our lives.

Senate Bills 2, 3, 4 and 5 would:

- Complete a statewide Needs Assessment on kindergarten to high schools, community colleges, and emergency facilities (fire, police and hospitals) by January 1, 2007.
- Provide state, long term state bond funds to improve earthquake safety in communities and public schools.
- By January 1, 2007 a Grant Program will be established to allocate state bond funds for earthquake rehabilitation in emergency facilities and schools.

How to contact your legislator

BY TELEPHONE: Phone (800) 250-3233, ask for your legislator by area, and leave a message that you would like him or her to support SB 2, 3, 4 and 5 the earthquake safety bills on schools, fire, police, and hospitals.

BY MAIL: Send a short note (it may be typed or handwritten, whatever you prefer) to your legislator, and sign it as a letter of support for SB 2, 3, 4 and 5 the earthquake safety bills on schools, fire, police, and hospitals.

Addressing Senator: The Honorable [FULL NAME] 900 Court Street NE Salem, Oregon 97301
Dear Senator [LAST NAME]

Addressing Representative: The Honorable [FULL NAME] 900 Court Street NE Salem, Oregon 97301
Dear Representative [LAST NAME] Let’s do this with “Respectfully” or “Sincerely,”

BY EMAIL: Log on to [Oregon Legislature site]. Click on “Write Your Legislator” on the right hand side of the page and enter your home address. The web page will automatically connect you with your legislator’s e-mail address you can compose and send your message right there.

IF YOU DON’T KNOW YOUR DISTRICT: Log on to [Oregon Legislature site]. Click on “Find Your Legislator” on the right hand side of the page and enter your home address. The web page will automatically provide the names and addresses of your state representatives.

IF YOU DON’T HAVE A COMPUTER: Call your county or city elections office. You’ll find them in the blue pages of your telephone book under “County Government - Elections Office.” The clerk will be able to give you the names and addresses of your legislators.

How to testify at a legislative committee

Written testimony examples

Public support briefing sheet (left)
Provided hearing schedule & bill status

YWang, DOGAMI, 2018
Keeping SRGP Grant Program Running

- Oregon Business
- Advisory Committees
- Oregon Dept Education
- DOGAMI
- School Districts
- Emergency Services
- Dept of Administrative Services
- Treasury Dept
- Governor’s Office
- Legislature
- Public Stakeholders
SRGP Successes and Challenges

**SUCCESSES**
- Helped *tip* public awareness!
- Integrated into state governance (*institutionalized*)
- Not *if* but how much $
- Protects communities statewide
- Schools are Hearts of communities & seeds for broadening resilience
- ~Safe schools by ~2032!

**CURRENT CHALLENGES**
- No statewide tracking
  - Emergency services by 2022
- Eligibility limitations
- What about *other* states?

Peter Courtney
Senate President
#2 Oregon Resilience Plan (ORP)

**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)

---

- **January 2011 Op Ed Call for Resilience**
- **March 11, 2011 Tohoku earthquake**
- **2011 House Resolution 3 directive**
- Oregon Seismic Safety Policy Advisory Commission (OSSPAC)
  - 2013 ORP Report to Legislature
  - Kent Yu (Chair) and 170 volunteers
  - Identifies significant gaps
  - Hundreds of recommendations
- **2013 Senate Bill 33 created Task Force**
  - Scott Ashford (Chair)
  - 10 actionable recommendations
  - Create State Resilience Office
- **2015 House Bill 2270**
  - Created State Resilience Office
  - In Office of Governor
  - Requires Senate confirmation

---

*YWang, DOGAMI, 2018*
Mike Harryman, State Resilience Officer

- **May 2016 SRO Senate Confirmation**
  - direct, implement and coordinate seismic safety
  - resilience goal setting
  - state agency planning & preparedness to improve seismic safety, and resilience

- **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

- **2018 5 year ORP progress report at:** www.oregon.gov/gov/policy/orr

Source: Mike Harryman
Tips

- Be persistent, inclusive and flexible
- Involve policy experts to help *institutionalize*
  - State earthquake commissions
  - Congressional fellowships

More Oregon *institutionalized* examples

- All 7 Oregon public universities via facilities departments
- All state-owned facilities via State Architect
- Electricity, gas, water service providers: seismic vulnerability assessment and mitigation plans required