



## OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

### Minutes

March 12, 2024

#### **OSSPAC Members Present:**

Tiffany Brown, Chair	Local Government Stakeholder
Allison Pynch, Vice Chair	Public Member
Althea Rizzo	Department of Emergency Management
Todd Smith	Department of Consumer & Business Services
Matt Crall	Department of Land Conservation and Development
Christina LeClerc	Department of Transportation
Rep. David Gomberg	Legislative Assembly Representative - House
Sen. Dick Anderson	Legislative Assembly Representative - Senate
Lesley Ogden	First Responder Stakeholder
Nishant Parulekar	Utilities Stakeholder
Carolina Gomez	Multifamily Housing Stakeholder
Elizabeth Safran	Public Member
Anne Castleton	Public Member

#### **OSSPAC Members Absent:**

Jonathan Allan	Department of Geology & Mineral Industries
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#### **Others in Attendance:**

Jordan Peterson, Admin Support	Department of Emergency Management
Natasha Fox	Department of Emergency Management
Lalo Guerrero	Department of Geology & Mineral Industries
Mike Kortenhof	Department of Environmental Quality
Jonna Papaefthimiou	State Resilience Officer
Bridget Good	Department of Emergency Management
Michael Olsen, Ph.D.	Oregon State University
Shane Brown, Ph.D.	Oregon State University
Ilknur M.J. Tekin, Ph.D.	Oregon State University
James Bela	Public Member



## 1. Administrative Matters:

Roll Call & Introductions: At 9:00 a.m., Brown opened the meeting and roll call was taken.

Review & Approval of November and January minutes: Castleton made, and Sen. Anderson seconded a motion to approve the November and January minutes.

Events Notification: March 11<sup>th</sup> was the 13<sup>th</sup> anniversary of the Tohoku earthquake and tsunami and the third anniversary of the ShakeAlert System. Rizzo announced that the program manager training has started for the Be 2 Weeks Ready program. Additionally, the Oregon Prepared Conference will be held in Sunriver from April 23-25 including an ORP listening session. Fox updated the group about the Navigating Coastal Hazards Workshop hosted in Astoria on March 11<sup>th</sup> that had a very large focus on the Cascadia subduction zone event

New Business: Peterson announced a promotion at ODEM to be the Training Specialist and this will be his final meeting providing support for OSSPAC. Brown announced that she is now the County Emergency Manager for Lane County and came in immediately after the January ice storm which provided an interesting opportunity to actively meet all of her partners in Lane County.

Next Meeting: Tuesday, May 14, 2024 | 9:00 a.m. – 12:00 p.m.

## 2. Reports:

**ODOT:** LeClerc updated the group that the Governor announced that there will not be any tolling on I-5 or I-205. Additionally, she talked about ODOT's goals for the next legislative session including a major funding restructuring package that will decrease ODOT's reliance on gas taxes.

**DLCD:** Crall announced that DLCD official received federal funding for the Statewide Natural Hazard Mitigation Plan (NHMP). They hope for a smooth transition in the work from the Natural Hazard Risk Assessment into the NHMP. There is a very hard deadline for the updated NHMP in September 2025 as that is when the current approved plan expires.

**ODEM:** Rizzo is finalizing the State of Oregon Tsunami Debris Guidance document. Additionally, members of ODEM's mitigation section are working on a Vertical Evacuation Structure Guidance document. The Be 2 Weeks Ready program manager trainings have begun, with a public launch in June. This program will lead up to the Great Oregon ShakeOut and Great Oregon CampIn in October. Rizzo has also started the revision of the Volcano Coordination Plan and will have it completed by the end of the year. Following she will move onto the Central Cascade Communication plan and will have it completed in time for the Cities on Volcanoes Conference held in Bend in



2026. The ODEM exercise team is working diligently on the Iron OR 2024 Cascadia functional exercise that will occur in October. Fox shared that ODEM is developing its department strategic plan and will be holding a virtual town hall and survey opportunity for feedback of the plan found here:

[https://emergencymanagement.qualtrics.com/jfe/form/SV\\_3NVsyCPk2AwfUGG](https://emergencymanagement.qualtrics.com/jfe/form/SV_3NVsyCPk2AwfUGG).

**DOGAMI:** Guerrero brought up that there was a series of magnitude four earthquakes in Baker City, DOGAMI worked with the Baker City Herald to publish a story about earthquake hazards in Eastern Oregon. DOGAMI is a member of the Basin and Range Province Earthquake Working Group (BRPEWG) and, in February, participated in the Basin and Range Earthquake Summit, hosted by the Utah Geological Survey. Guerrero reemphasized Rizzo's point, explaining that the Cities on Volcanoes Conference is an bi-annual international conference that has only ever been hosted in the US one other time in Hilo in 2003. It will be an amazing opportunity for the state of Oregon to host the world's greatest volcanologists.

**DCBS:** Smith updated the group that the Building Codes Structures Board started the 2025 Oregon Structural Specialty Code (OSSC) adoption process this month. Member solicitations are due by March 24<sup>th</sup> and public proposals are due by April 21<sup>st</sup>. More information can be found here: <https://www.oregon.gov/bcd/codes-stand/pages/oss-c-adoption.aspx>.

**DEQ:** Korten Hof updated the group on the fuel tank resilience project, put forward under S.B.1567. Work is on track, including 17 sites across the state. Seismic vulnerability assessments are due by June 1<sup>st</sup>. The PDX-fuels consortium is ahead of everyone else, with plans to replace all three of their large fuel tanks as a part of the overall Airport Resiliency Project. DEQ has reviewed and provided technical comments back to them. Sometime in April, DEQ will have a 30-day open comment period and public hearing for review. Sending out roadmap for compliance to facilities to support facilities in completing their assessments. DEQ did a fiscal analysis with Portland State University regarding H.B.4044, which called for seismic vulnerability assessment for hazardous material storage – prepared an estimate of costs for Statewide assessments. The bill did not pass this session but could possibly come up next year in the long legislative session. S.B.1567 requires ODOE to create a report on fuel resource stability. At the local level, ODOE contacted counties with a funding opportunity to develop a fuel resilience plan.

**Legislative Assembly:** Representative Gomberg updated the group about the results of the short legislative session including roughly \$100 million for water and sewer infrastructure to fund 50 projects across the state. He highlighted that although this is a massive win, the work is not done and there are another 200 projects awaiting funding. Sen. Anderson reminded the group to not be discouraged, that the short session was



largely focused on housing and Measure 110 reform, and that many bills that didn't pass likely will in future sessions.

**State Resilience Officer:** Papaefthimiou has been busy with fentanyl emergency in downtown Portland, working with Multnomah County and the City of Portland. She will be attending the Earthquake Engineering Research Institute (EERI) Conference from April 9-12. More information can be found here: <https://2024am.eeri-events.org/>.

3. **Public Comment:** None.

#### 4. **Oregon Resilience Plan Project Update & Discussion**

Enlisting help from partners in update, delving into a kickoff meeting, steering committee, workgroups, etc. A new scheduler will go out this week and the group can discuss the meeting. Will be sending out a revised workplan after this meeting. Hoping to hold a series of listening sessions, starting with one occurring at Oregon Prepared on April 23 from 1:45 – 2:45 pm. This meeting will consist of discussion groups to ensure. We will continue to use this framework for other sessions. Could utilize APWA conference at beginning of April, OEMA conference, Building code division meeting (BOMA?) Oregon chapter of American planning associate session by April 5<sup>th</sup>, ASCE, SCAO? Schools – Jennifer? Pyrch suggested tapping those involved in the original ORP. Focusing on all areas of the state. Safran suggested ensuring integration between research and practice. Brown discussed the connection between planning, research, and practice – earthquake culture making sure we foster this culture at all levels.

5. **Cascadia Lifelines Program (CLiP) Overview:** Presented by Mike Olsen, Ph.D. | Oregon State University (OSU), School of Civil and Construction Engineering

The [Cascadia Lifelines Program \(CLiP\)](#) connects Oregon's lifeline providers with OSU faculty to conduct research for value-informed and cost-informed decisions to mitigate damage resulting from Cascadia Subduction Zone earthquakes and tsunamis. The program was established following the 2011 Tohoku earthquake in Japan, and partnerships were established in 2013. Members include Bonneville Power Administration, Northwest Natural Gas, ODOT, Port of Portland, and Portland General Electric, among others.

Goals of the CLiP include creating decision support systems to analyze hazards, identifying major gaps in analysis tools, developing efficient solutions to help Oregon, and provide meaningful workforce development and public outreach.

Major components of the CLiP include Hazard Mapping & Modeling, Infrastructure Damage/Loss Analysis Tools, Public Impact Modeling, and Workforce Development.



During Olsen's presentation, he provided specific examples of projects created by the CLiP including "[The Oregon Hazard Explorer for Lifelines Program \(O-Help\) Web GIS](#)" and the "[Georeferenced Oregon Soil Engineering Properties \(GOSEP\)](#)." The research conducted by the program has helped support additional including a study from the National Science Foundation (NSF) on the "Earthquake Resilience of the Western Electrical Grid."

Olsen finished by discussing the collaboration between the CLiP and the [Cascadia Region Earthquake Science Center \(CRESCENT\)](#), namely how CLiP acts as the public outreach wing of the CRESCENT. There is a meeting on June 27<sup>th</sup> in Portland for public feedback.

**6. Cascadia Lifelines Program (CLiP) Community Resilience Project:** Presented by Shane Brown, Ph.D. | OSU School of Civil and Construction Engineering

Brown is an engineering educational researcher presenting two of his team's projects that are funded by the CLiP. Both projects are aimed at understanding and improving the implementation of the Oregon Resilience Plan. The first project (CLiP 1) is complete and was focused on understanding the degree of awareness and implementation of ORP goals. The second project (CLiP 2) is ongoing and focuses on understanding how and why progress on community resilience efforts could potentially be challenging. He highlighted the importance of participatory involvement and how it helps to empower participants and facilitate a shared understanding of ideas, which leads to shared action towards goals.

**CLiP1 Case Study Results:**

1. There is currently disagreement about the definition of resilience. We must come to a high-level agreement on this to achieve the common goal of ORP implementation. For this to happen, it must be valued throughout the organization culture.
2. Differing belief on whether the ORP needs to be updated, but agreement that most of the problems identified in it remain. Many found it difficult to take the content of the ORP and know how to implement it within their organization, some have developed internal resilience plans to better frame it to their context.
3. Within some organizations, resilience is a strategic decision-making criterion, where it is a factor incorporated into their capital improvement plan and grant proposals, selecting projects that offer co-benefits such as offering both seismic and climate resilience.
4. ORP implementation is currently fragmented, but individual organizational efforts impact others and the way forward for more comprehensive action towards the ORP goals as a state is through collaboration.



The objective of CLiP2 is to address challenges and to coordinate and facilitate implementation. This second project has four phases: conduct case study interviews, plan consortium workshop, conduct workshop with consortium, and develop website to report results and set up dashboard. Brown's team is currently in the first phase and have conducted 25 interviews with agencies in Oregon talking to a variety of professionals including mayors, emergency managers, transportation service managers, and water resource managers.

Observations so far from these interviews include needs for funding and resources (surprisingly, the needs are greatest in larger counties), an isolation of efforts (not working fully interdependently with other agencies and needs for more coordination (although existing communication channels offer a good foundation). Additionally, several emergency managers have voiced the need for an online Community Resilience Hub platform to host online resources, training content, communication tools, and act as a knowledge-sharing repository.

Brown closed by providing a summary of where his team is at, including their findings from CLiP 1, their process to aid local resilience plan development, and their anticipated outcomes from their projects.

**Adjourned:** Brown adjourned the meeting at 10:57 a.m.

**Next Meeting:** May 14, 2024 | 9:00 a.m. – 12:00 p.m.