



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

July 12, 2022

MEETING AGENDA

IN-PERSON

Hatfield Marine Science Center
2030 SE Marine Science Drive
Newport, OR 97365

VIRTUAL

<https://us02web.zoom.us/j/83009351869?pwd=enNwb0krUmV5TWJQV2FXdkpvSEV6UT09>

Meeting ID: 830 0935 1869 | Passcode: 339619

+16699009128,83009351869#,*339619# US (San Jose)

+12532158782,83009351869#,*339619# US (Tacoma)

- 9:00 – 9:15 1. Administrative Matters
- a. Welcome
 - b. Roll Call & Introductions
 - c. Review and Approval of Minutes from previous meeting
 - d. Events Notification
 - e. New Business
 - f. September OSSPAC Meeting
- 9:15 – 9:30 2. Reports
- a. State Agencies
 - i. ODOT
 - ii. DLCDC
 - iii. OEM
 - iv. DOGAMI
 - v. DCBS
 - vi. DEQ
 - vii. Legislative Assembly
 - b. State Resilience Officer
- 9:30 – 9:40 3. Public Comment
- 9:40 – 10:00 4. Cascadia Rising 2022 – Lincoln County Tabletop Exercise
Virginia “Jenny” Demaris, Lincoln County Emergency Manager
- 10:00 – 10:05 Break**
- 10:05 – 10:35 5. Cascadia Rising 2022 – CEI Hub Tabletop Exercise
Scott Smith, DEQ
- 10:35 – 10:55 6. Lessons Learned from the Great Japan Earthquake
Liz Safran, Associate Professor of Geological Science
- 10:55 – 11:00 7. Approval of OSSPAC 2020-21 Annual Report
- Adjourn

Note: The formal meeting will adjourn at 11:00 at which time those attending in-person may participate in a guided tour of the facility

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OSSPAC Agenda Item Summary

July 12, 2022

ITEM 1

Issue/Title	Cascadia Rising 2022 – Lincoln County Emergency Management Tabletop Exercise
Presenter(s)	Virginia “Jenny” Demaris
Summary	Demaris will provide an overview of a tabletop exercise conducted in Lincoln County on 6/14/22 that relied on a 9.0 magnitude Cascadia event for its scenario. The event was attended by over 120 participants representing more than 25 agencies, and it highlighted unique coastal issues around fuel, transportation, and mass care.
History	Started in 2016, Cascadia Rising is the title of an ongoing regional exercise effort that engages stakeholders that will be impacted as well as those who will lend support during an anticipated Cascadia Subduction Zone event. Lincoln County was a 2016 participant, so the 2022 event was a continuation of that effort and reflected advancements made since and as a result of the first exercise.
Attachments	None

ITEM 2

Issue/Title	Cascadia Rising 2022 – CEI Hub Tabletop Exercise
Presenter	Scott Smith, DEQ
Summary	Smith, a USCG veteran, participated and will give a general briefing of a Cascadia Rising exercise hosted by the USCG 13 th District in Astoria on 6/22/22. Attended primarily by federal response partners, this CR22 event explored agencies, policies and response protocols in relation to a Spill of National Significance (SONS) involving failure of the CEI Hub failure as a result of a large magnitude earthquake.
History	This exercise was one of the first efforts from such a wide breadth of stakeholders to examine and address how a CSZ event will impact the CEI Hub, this event took a fundamental look at “Who does what?” and “How is it accomplished?” with respect to the public safety and environmental response along the Columbia River.
Attachments	None

ITEM 3

Issue/Title	Japan – 2022 Photos & Observations
Presenter	Liz Safran, Environmental Science Program, Lewis & Clark College
Summary	Professor Safran will share photos and observations related to seismic safety from her recent trip to Japan.
History	Safran is a geomorphologist, Associate Professor of Geological Science at Lewis & Clark College, and holds one of the Citizen Stakeholder positions on the OSSPAC. She has visited Japan on a number of occasions in her work to better understand the potential physical and social impacts of a Cascadia event.
Attachments	None.

ITEM 4

Issue/Title	Approval of OSSPAC Annual Report 2020-2021
Presenter	Tiffany Brown
Summary	Approve 2020-21 OSSPAC Annual Report
History	An unformatted version of the 2020-21 OSSPAC Annual Report was reviewed during the May meeting, at which time there were no substantive changes. This agenda seeks approval of the report content so to hasten final completion when a publishing resource is identified.
Attachments	Draft 2020-21 Annual OSSPAC Report



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

Meeting Minutes
May 10, 2022

OSSPAC Members Present:

<i>Tiffany Brown, Chair</i>	<i>Local Government Stakeholder</i>
<i>Trent Nagele, Vice Chair</i>	<i>Structural Engineer Stakeholder</i>
<i>David Gomberg</i>	<i>Representative Legislative Assembly</i>
<i>Lesley Ogden</i>	<i>First Responder Stakeholder</i>
<i>Bonnie Magura</i>	<i>Schools Stakeholder</i>
<i>Joe Karney</i>	<i>Utilities Stakeholder</i>
<i>Ed MacMullan</i>	<i>Banking Stakeholder</i>
<i>Adam Pushkas</i>	<i>Building Owners Stakeholder</i>
<i>Susan Romanski</i>	<i>Public Member</i>
<i>Katie Young</i>	<i>Public Member</i>
<i>Elizabeth Safran</i>	<i>Public Member</i>
<i>Christina LeClerc</i>	<i>State agency: ODOT</i>
<i>Althea Rizzo</i>	<i>State agency: OEM</i>

OSSPAC Members Absent:

<i>Matt Crall</i>	<i>Department of Land Conservation and Development</i>
<i>Meg Reed</i>	<i>Department of Land Conservation and Development</i>
<i>Jonathan Allan</i>	<i>DOGAMI</i>
<i>Aeron Teverbaugh</i>	<i>State Agency: DCBS</i>
<i>Carolina Gomez</i>	<i>Multifamily Housing Stakeholder</i>

Others in Attendance:

<i>Nancy Hiser</i>	<i>CEI Hub Neighborhood Resilience</i>
<i>Shawn Looney</i>	<i>CEI Hub Neighborhood Resilience</i>
<i>Aliana Mayfield</i>	<i>OEM</i>
<i>Doug Toomey</i>	<i>University of Oregon</i>
<i>James Bela</i>	<i>Citizen</i>
<i>Lauren Wirtess</i>	
<i>Meg Reed</i>	<i>DLCD</i>
<i>Scott Smith</i>	<i>DEQ</i>

1. ADMINISTRATIVE MATTERS

a/b. Welcome and Introductions

- *Brown opened the meeting; Rizzo led roll call*
- *Brown Welcomed/introduced Senator Anderson*

c. Review and Approval of Minutes from January meeting

- *Minutes were approved by motion, as distributed.*



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

Meeting Minutes
May 10, 2022

- d. **Events Notification**
 - Rizzo: Several online courses through OEM on ATC course's, seismic retrofits for hospitals along with other related topics.
 - Gomberg: Lincoln County Sheriff's office conducting a series of public information gatherings regarding earthquakes, tsunamis and wildfires.
 - Brown: Lincoln County there will be a Cascadia Rising exercise the 2nd week of June.
- e. **New Business (none)**
- f. **July OSSPAC meeting**
 - The July meeting will be in-person depending on finding a location. To be announced.

2. REPORTS

a. State Agencies

ODOT (Christina LeClerc):

- Putting together projects to apply for the infrastructure bill
- Finalizing the Debry removal project from the 2020 wildfires with an after-action report to follow

DLCD (Meg Reed):

- New Director: Dr. Brenda Bateman
- Staff have started back in office/along with several new staff
- Working on climate friendly and equitable communities, rulemaking, transportation planning and other climate change related work
- Going for adoption before commission this month

OEM (Althea Rizzo/Alaina Mayfield):

- OEM will become its own agency July 1
- OEM will be moving facilities but staying in Salem; the ECC will remain at the current location in the Anderson Readiness Center for now. Ultimately, would like to build a building that is seismically resilient to house the new Department of Emergency Management
- Continuing work on Be 2 weeks ready program. Tentatively to launch Jan.26th 2023



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

Meeting Minutes
May 10, 2022

- Have participated in some of the Cascadia Rising exercises and will continue to participate
- Discussing OEM offering a space for in-person OSSPAC meetings

b. State Resilience Officer:

- *Review of Legislative session outcomes*
 - HB 2927: OMD, OEM will become their own department. Oregon State Fire Marshall will become its own Agency
 - Two new Councils be formed
 - Local Government Emergency Management Advisory Council (11 members)
 - Emergency Preparedness Advisory Council (16 members)
 - Applications for positions on these councils are due by May 26th
 - HB 5202: Infrastructure Bill
 - Over \$1.2 billion allocated for infrastructure
 - Funding for general obligating, lottery, federal limitations and general fun dollars
 - Communities were given funding to upgrade their wastewater, sewage and drinking water systems
 - Funding given to help recovery of the 2020 wildfires
 - 16-18 counties were funded about \$1-2 million for fairground upgrades
 - Coos Bay was given funding for the bay
 - Newport was given funding for their seawall
 - Transportation Regional Resilience Assessment Program (RRAP)
 - ODOT GIS Section
 - Data is free in the Geo space Library
 - Gathering additional mapping to share with the communities, counties, airport managers, riverports and seaports managers
 - Infrastructure Investment Job Act (IIJA)
 - Governor established council to disperse money for a 5-year period
 - Year 1 is to set the table
 - Year 2,3,4,5 is when the bulk funding will be coming into key state agencies.
 - Working with community-based organizations and stake holders to continue in making investments in the Oregon infrastructure

3. Public Comment



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

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a. James Bela: Concerns that there are going to be financial hardship for families preparing for the 2 Weeks Ready program. Suggest list on shopping bags or reference lists of some type.

b. Steve Robinson: Also stated a related concern regarding the 2 weeks ready program, and suggested some type of reference list or questionnaires on a website that families can find easily.

Rizzo and Brown responded with letting the group know that this is an ongoing program that is still being built and there are a lot of tools that will be available to help families prepare.

4. **Topic: 2022 CEI HUB/Linnton Neighborhood Association | Nancy Hiser & Shawn Looney**

- SB1567 has come through. The Multnomah County and City report about seismic risk which was published in January 2022 and was the most comprehensive, diagnostic and impactful report to date on the risk and protentional mitigation of the Hub
- Following the County and City reports a letter has written been to Multnomah County Officials and City Officials asking them to exercise some authority for mitigation
- Meeting Scheduled with Multnomah County
- Copy of letter has been posted to 82 neighborhood organization-based groups

Discussion

Romanski asked if they could give some examples of some of the mitigation actions that you're hoping the city and county will consider and also what you all have done in addition to the fire wise program that you feel is a bright spot-on example of how the community group is organizing themselves to be prepared.

Hiser responded that they are part of the NET group (Neighborhood Emergency team) where outreach and education are the main priority. They have received funding from the Portland Bureau of emergency management to provide 50 to go backpacks to giveaway, publicized a newsletter which comes out every two months with preparedness tips, and distribute neighborhood NET news, which comes out monthly with topics on preparedness. They speak at Linnton neighborhood association meetings and try to build social connections. Linnton is composed of multiple neighborhoods many of which are on hills divided by ravines, so they anticipate functional islands following a catastrophic event. For this reason, those communities need to be able to pull together so they are trying to build social connection dependence on neighborhoods.

5. **Topic: 2023 Legislative Initiatives & Discussion**



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

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Representative David Gomberg

- Legislator will not convene again until early 2023
- Two elections between now and early 2023
- Committee rooms in the capital are in the process of undergoing seismic renovations along with the whole capital undergoing renovations
- Now is the process of beginning to submit bill concepts to legislative council, when the proposals come back then begin looking for co-sponsors and line up process to be heard in committee and move to the floor to vote on
- Two proposals moving forward:
 - Bill proposed to put grant dollars aside to help the 11 hospitals along the coast upgrade their water and fuel supplies, so they are better prepared to support their communities
 - Bill proposed to intergrade Emergency Education into our school's curriculum at least one day a year.

Representative Dick Anderson

- Supports the proposed bill to bring Emergency Education into our schools' curriculum

Discussion

Besty Emry from Merkley's office shared guidance from the infrastructure and investments in Jobs Act, which includes several resiliency-oriented funds, especially for coastal communities.

<https://www.cantwell.senate.gov>

- What is happening on the North Coast with the resiliency project?
- The three North Coast hospitals were the first to be addressed
- Maps were created for the hospitals and met with them that indicated their tsunami risk and what they might do as well as maps that show the greater reach it there could be greater hospital region and the community assets that they might lean on
- All the hospital publications are available on the Oregon Health Authority Webpage as well as all but one report is available on the DOGAMI website

6. **Topic: ShakeAlert early earthquake warning system | Doug Toomey, UO Hazards Lab Director**

- Goal of ShakeAlert is to reduce impact on earthquakes, save lives and properties in the United States by developing early warning detection on the West Coast
- Seismic Sensors deliver data 24/7, 365 days a year



Oregon Seismic Safety Policy Advisory Commission (OSSPAC)

Meeting Minutes
May 10, 2022

- From last year we have gone from 62% to 82% of the build out across the pacific northwest
- Will be complete with the build out in 2023
- In 2021 we had public roll out in the state of Oregon
- OR Short session awarded 4.5M to UP for ALERTWildfire
- ShakeAlert is now Live across the West Coast
- 3 ways to get Wireless Emergency Alerts (WEA), make sure that wireless emergency alerts are enabled on your phone, QuakeAlertUSA app and MyShake app
- City of Albany Oregon are using alerts to automatically shut off water valves
- Providence Hospital in Medford is the first hospital in the Northwest to formally adopt ShakeAlert
- ShakeAlert learning resources can be found at IRIS.edu

7. Topic: OSSPAC Vacant Stakeholder Position | SRO Mike Harryman

- Farewell to Ed MacMullan
- What Kind of stakeholder position would benefit the commission?
 - Group make suggestions to Mike about what kind of stakeholder would be good for the commission
 - Suggestions of a culture specific population stakeholder to bring to the group things that we might be missing on the outside
 - Suggestion of someone who can bring the economic impact to the group.

9. Topic: Annual report | Tiffany Brown

Brown asked for edits/feedback regarding the report, and advised she was trying to find a resource to assist with publication. There were no changes.

Adjourn

2020-21 Annual Report

Oregon Seismic Safety Policy Advisory Commission

OSSPAC Publication 22-01

[Date]

The State of Oregon

Mike Harryman, State Resilience Officer

(Introduction – No Heading)

Oregon Seismic Safety Policy Advisory Commission

After the Loma Prieta earthquake in 1989, Oregon residents demanded that the State of Oregon better address earthquake hazards throughout the state. The state legislature established the Oregon Seismic Safety Policy Advisory Commission (OSSSPAC) in 1991 through Senate Bill 96. The Commission is a group of eighteen individuals appointed the Governor. They represent a variety of interests regarding public policy and earthquake and include representative of many state agencies, a member each from the Oregon House and Senate, representatives of important stakeholders groups, and members of the public. The OSSPAC mission is to positively influence decisions and policies regarding pre-disaster mitigation of earthquake and tsunami hazards, increase public understanding of hazard, risk, exposure and vulnerability through education; and be responsive to new studies or issues raised around earthquakes and tsunami.

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Printed in the United States of America

OSSPAC Publication Number 22-01

2020-2021 MEMBERS

Jeffrey Soulages

Chair, Public Member

Tiffany Brown

Vice-Chair, Local Government Stakeholder

Matt Crall

Dept of Land Conservation & Development

David Gomberg

Representative, Legislative Assembly

Lesley Ogden

First Responder Stakeholder

Joe Karney

Utilities Stakeholder

Christina LaClerc

Oregon Department of Transportation

Ed MacMullan

Banking Stakeholder

Bonnie Magura

Schools Stakeholder

Walter McMonies

Multi-family housing stakeholder

Trent Nagele

Structure Engineer Stakeholder

Adam Pushkas

Building Owners Stakeholder

Althea Rizzo

Oregon Office of Emergency Management

Arnie Roblan (2020)

Senator: Legislative Assembly

Susan Romanski

Public Member

Aeron Teverbaugh

Dept of Consumer and Business Services

Bob Houston

DOGAMI

Katie Young

Public Member

Liz Safran

Public Member

membership & financial

The following annual report provides a brief overview of activities in which the Oregon Seismic Safety Policy Advisory Commission (OSSPAC) was engaged in 2020-21. This includes a description of changes in Commission membership over the year, a financial summary, summaries of all official testimony received during the year, descriptions of major reports and letters produced and priorities for the upcoming year.

Complete projects, along with relevant reports or studies, are placed on the OSSPAC webpage at: <https://www.oregon.gov/oem/Councils-and-Committees/Pages/OSSPAC.aspx>

Changes in Commission Membership

Public Member Jeff Soulages, an engineer with Intel, retired from the Commission in June 2021 after serving 2 years as Vice-Chair and two years as Chair of OSSPAC; Jeff also served as a member of the Oregon Resilience Plan Advisory Panel. His replacement is Liz Safran, who is a professor at Lewis & Clark College. Safran holds a Ph.D. in geological sciences and has a keen interest in disaster preparedness research, specifically around motivating factors for young adults and areas of racial inequity. Local Government Stakeholder Tiffany Brown succeeded Soulages as Chair.

First Responder/Non-Governmental Organization Stakeholder Dacia Grayber, a firefighter and paramedic for Tualatin Valley Fire and Rescue vacated her position after being elected to the Oregon House of Representatives in November 2020 to represent District 35. She was replaced by Lesley Ogden, who works for Samaritan Health. As an M.D. and CEO for two coastal hospitals, Ogden brings experience in emergency medicine, a voice of experience for increasing resilience across hospital operations and infrastructure, and a commitment to providing equitable healthcare in all environments.

Multi-Family Housing Stakeholder Walt McMonies retired from his position at the end of June 2021 after 8 years on the Commission. McMonies was a real estate attorney and multi-family housing building(s) owner who advocated for seismic upgrades to unreinforced masonry construction by initiating projects to his own property. Carolina Gomez replaces McMonies. With over 15 years of experience serving multi-family housing communities, Gomez brings a strong business background and multicultural lens to her position.

Legislative Member Senator Arnie Roblan retired from the Commission in January 2021 after finishing out his final term in the Legislature. Roblan spent his legislative career and time on the Commission ensuring the priority needs of coastal and rural communities were met. The position remains vacant pending new appointment.

Department of Geology and Mineral Industries' (DOGAMI) Yumei Wang, a geotechnical engineer, left the Commission prior to her departure from the agency in 2020. Her replacement for a time was Bob Houston, a geologist and legislative coordinator with the agency. In December 2021, Houston announced he was leaving DOGAMI. In 2022, coastal geomorphologist Jonathan Allan replaces Houston. Allan has performed research and written extensively regarding tsunami modeling for the coast and associated harbors/ivers and is the Oregon Science Lead for the National Tsunami Hazard Mitigation Program (NTHMP).

Administrative Support was provided by Julie Tanasdy, assistant to the State Resilience Officer, on an interim basis for one year beginning in July 2020. In the fall of 2021, OEM was appointed April Smith and Beth Gehret to respectively provide meeting and website support.

Financial Summary

Historically, OSSPAC has had a small budget administered by the State of Oregon through the Office of Emergency Management (OEM). OEM additionally provides technical, clerical and other necessary support services. On occasion, the Commission receives additional funding or in-kind services contributed to specific projects but relies primarily on the volunteer hours contributed by its membership.

In 2020, the OEM provided \$2,500 to OSSPAC to support report development, and the Commission members reported \$23,710 in-kind volunteer hours. The Commission did not create a report in 2021, therefore, no grant funds were provided.

testimony to commission

The Commission by statute meets every 2 months on the second Tuesday of the month in January, March, May, July, September and November. Testimony is provided to the Commission on a myriad of subjects but is often in support of current projects and issues being deliberated. The following is a summary of invited testimony to the Commission at each meeting.

2020

March 10, 2020

- Colin Blaney of Buehler Engineering presented FEMA's P-1100: Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings.

May 12, 2020

- Evan Reis, Co-Project Director for PEER/CEA, provided a presentation on Quantifying the Performance of Retrofit of Cripple Walls and Sill Anchorage in Single Family Wood-Frame Buildings

- Janiele Maffei, Chief Mitigation Officer for CEA, talked about QuakeGrade and FEMA P-50: Simplified Seismic Assessment of Detached, Single-Family, Wood-Frame Dwellings.

July 14, 2020

- Art Frankel with USGS and UW presented on USGS National Hazard Maps: Cascadia Source characterizations
- Hong Kie Thio with AECOM provided a presentation and welcomed discussion regarding ASCE 7-16 Tsunami Inundation Maps
- Jonathan Allan (DOGAMI) introduced the Tsunami Inundation Map Roadmap regarding future planning
- Gordon McCraw with Tillamook County Emergency Management spoke about a tsunami overlay project with DLCD
- Tom Horning, a Seaside City Councilor and geologist, provided remarks regarding challenges around tsunami inundation on the North Coast
- Ken Murphy, Lincoln City Emergency Manager and retired FEMA Region 10 director, provided remarks regarding challenges and the current environment with respect to the tsunami threat on the Central Coast

September 8, 2020

- Larry Magura, Engineering Stakeholder for the ASCE Legislative Committee, introduced his committee's perspective on the tsunami line legislation in Oregon

November 2020

- Sara Absher, Director of Community Development for Tillamook County talked about her experience working with the community to create a tsunami overlay.
- Carole Connell, Planner for the City of Gearhart, shared work done by the City regarding tsunami overlay and improved tsunami evacuation resources

2021

January 2021

- Bob Houston, legislative coordinator with DOGAMI, and Amira Houston, natural resources policy advisor to the Governor's Office, discussed and answered questions related to proposed changes to the Department of Geology and Mineral Industries.

March 9, 2021

- Overview of NSMHP Workshop
- Jenni Hall of Energy Trust of Oregon provided testimony regarding SFHR Testimony

September 14, 2021

- Commission Member Althea Rizzo presented to the group regarding her proposal to develop a seismic outreach program and community toolkit.
- Andrew Phelps, Director of Office of Emergency Management, presented on the changes occurring to his agency as a result of HB2927, which moved OEM out from the Military Department and created a new Department of Emergency Management.

November 9, 2021

- Senator Michael Dembrow briefed the Commission on his proposed Critical Energy Infrastructure Hub legislation planned for the 2022 session.
- Ed Flick, who oversees the new mass care team within the Department of Human Services presented on progress made to increase capability at the state and how those efforts relate to research and reports undertaken by the Commission.
- Bob Houston with DOGAMI followed up with the Commission regarding how legislation during the short session impacted agency staffing and project capacity.

Reports, letters & priorities

OSSPAC discussed, investigated, took testimony and wrote policy positions on a number of topics during 2020-21. In 2020, the Commission turned its attention to the (2019) repeal of a nearly 25-year-old law prohibiting essential facilities from being built in the tsunami inundation zone, which left a critical gap in local emergency planning and mitigation along the coast.

On the heels of the tsunami line abolishment, legislators proposed that the Department of Geology and Mineral Industries (DOGAMI) cease to exist in its current form as a standalone agency by folding into the Department of Lands and Conservation Development (DLCD), so the Commission turned its attention to supporting the process for determining the future of a key state agency.

Continued focus on the CEI hub occupied a substantial portion of 2021 as regional stakeholders continued to shine a light on the public safety hazard and fuel scarcity issues the site suggests as the result of a catastrophic seismic event in Oregon.

After discussion, voting, the priority topics identified for the next biennium are as follows:

- Continued, increased legislative engagement and support.
- Revisiting key areas of interest to monitor opportunities for ongoing support and engagement
- Coastal resilience