



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)
May 10, 2022

<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)

AGENDA

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| 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. July OSSPAC Meeting |
| 9:15 – 9:30 | 2. Reports |
| | a. State Agencies |
| | i. ODOT |
| | ii. DLCD |
| | iii. OEM |
| | iv. DOGAMI |
| | v. DCBS |
| | vi. Legislative Assembly |
| | b. State Resilience Officer |
| 9:30 – 9:40 | 3. Public Comment |
| 9:40 – 10:00 | 4. CEI Hub Neighborhood Resilience
Nancy Hiser & Shawn Looney, Linnton Neighborhood Association |
| 10:00 – 10:30 | 5. The CEI Hub and Seismic Fragility of Oregon’s Fuel
Peter Dusicka, PhD, Civil & Environmental Engineering, PSU |
| 10:30 – 10:40 | 6. 2023 Legislative Initiatives & Discussion
Representative David Gomberg |
| 10:40 – 10:50 | Break |
| 10:50 – 11:10 | 7. ShakeAlert early earthquake warning system
Doug Toomey, UO Hazards Lab Director |
| 11:10 – 11:30 | 8. OSSPAC Vacant Stakeholder Position |
| 11:30 – 11:50 | 9. 2020-21 Annual Report DRAFT Review |
| | Adjourn |



OSSPAC Agenda Item(s) Summary

May 10, 2022

Amended 5/2/22

ITEM 4

Issue/Title	CEI Hub Neighborhood Resilience – Linnton Neighborhood
Presenter(s)	Nancy Hiser and Shawn Looney, Linnton Neighborhood Association
Summary	LNA members Hiser and Looney will outline the groups interest and activities related to the CEI Hub
History	The Linnton Neighborhood Association has been involved with raising public awareness about the threat of the CEI Hub for more than 4 years and has joined a growing group of Portland activists. The group points to OSSPAC's 2019 report, which pointed out that the local jurisdictions have neglected to exert their legislative authority, as having provided them with continued engagement in the issue. The group is highly encouraged by the passage of SB 1567, and interested in connecting with OSSPAC to stay apprised of ongoing developments.
Attachments	Linnton Neighborhood Association https://linntonna.org/

ITEM 5

Issue/Title	The CEI Hub and Seismic Fragility of Oregon's Fuel
Presenter	Peter Dusicka, PhD, Civil & Environmental Engineering, Portland State University
Summary	This research evaluates the seismic vulnerability of the Critical Energy Infrastructure (CEI) Hub and the associated fuel repercussions for the expected 9.0 magnitude earthquake along the Cascadia Subduction Zone. The tanks in the CEI hub are analyzed based on size and content. The owners and secondary containment areas are discussed using the same parameters. Various analysis techniques are reviewed to determine the most appropriate seismic fragility estimate for the site. The seismic vulnerability is analyzed using fragility curves by Hazus, American Lifeline Alliance, and D'Amico. The fragility curves are applied to the CEI Hub to determine expected damage and the related fuel loss impacts. Gasoline and diesel have the highest expected damage with a maximum prediction of 13.7 million and 9.5 million gallons respectively experiencing complete content loss.
History	Prior to advising this project, Dr. Dusicka supported other research and policy work regarding the CEI Hub, including that performed by PBEM in recent years where he provided estimates regarding quantity, type, age, and storage capacity of liquid fuel tanks; expected earthquake damages based on a case study comparisons, description of mitigation options and costs, and recommended mitigation strategies.
Attachments	Bal, Anney L., "The Critical Energy Infrastructure (CEI) Hub: A Look into the Seismic Fragility of Oregon's Fuel" (2021). CIVIL AND ENVIRONMENTAL ENGINEERING UNDERGRADUATE HONORS THESES. 15. https://doi.org/10.15760/honors.1144

ITEM 6

Issue/Title	2023 Legislative Overview
Presenter	Representative David Gomberg

Summary	Legislative update and anticipated bill frameworks regarding coastal resilience, and general overview of the upcoming legislative timeline.
History	In 2021, Gomberg sponsored HB2608, which proposed directing the Department of Education to establish and administer pilot program to assist school districts in providing age-appropriate instruction on natural disaster. In the meantime, findings from the Oregon Coastal Hospital Resilience Project identified water needs as a critical gap in hospital emergency planning, which Gomberg has identified as a key issue.
Attachments	House Bill 2608 https://olis.oregonlegislature.gov/liz/2021R1/Measures/Overview/HB2608 Oregon Coastal Hospital Resilience Project https://www.oregongeology.org/pubs/ofr/p-O-20-02.htm

ITEM 7

Issue/Title	ShakeAlert Update
Presenter	Professor Doug Toomey
Summary	Toomey will talk about current efforts, milestone, and advancement of the ShakeAlert rollout in Oregon
History	In 2020, UO ShakeAlert was awarded \$7.5M during the Oregon legislative special session, and in 2021, Congress provided \$35.7M to the USGS for ShakeAlert earthquake early warning on the West Coast in the Fiscal Year 2021 omnibus bill.
Attachments	Shake Alert webpage https://www.oregon.gov/oem/hazardsprep/pages/orshakealert.aspx

ITEM 8

Issue/Title	OSSPAC Vacant Stakeholder Position
Presenter	Mike Harryman/Tiffany Brown
Summary	Discuss Banking & Finance stakeholder position
History	The OSSPAC Bylaws Article 2, Section 1 identified 18 members that comprise the Commission, and they are 5 State Agencies, 1 Local Government Representative, 2 Legislative Assembly, 1 Education Sector and 3 members of the general public. The remaining 6 positions are identified only as those which “represent affected industries or stakeholders.” The Banking & Finance position is vacating and since it is a position with greater latitude for stakeholder type, there is an opportunity for the Commission to explore what other industry or stakeholder representatives might be relevant at this time.
Attachments	OSSPAC Bylaws (Attached)

ITEM 9

Issue/Title	OSSPAC Annual Report 2020-2021 DRAFT
Presenter	Tiffany Brown
Summary	Review 2020-21 OSSPAC Annual Report DRAFT for approval and/or edits.
History	The first OSSPAC Annual Report was developed for the year 2019 and issued in March 2020. Due to a few factors, a report was not published for 2020. Fewer activities had occurred on which to report, and the group had no significant involvement in the (short) legislative session.
Attachments	2020-21 Annual OSSPAC Report (Attached) 2019 Annual Report https://www.oregon.gov/oem/Documents/OSSPAC_2019_Annual_Report_final.pdf



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 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>Meg Reed</i>	<i>Department of Land Conservation and Development</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 6981</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>Jonathan Allan</i>	<i>DOGAMI</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>
<i>Aeron Teverbaugh</i>	<i>State Agency: DCBS</i>
<i>Carolina Gomez</i>	<i>Multifamily Housing Stakeholder</i>

OSSPAC Members Absent:

<i>Matt Crall</i>	<i>Department of Land Conservation and Development</i>
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Others in Attendance:

Deanna Henry	ODOE
James Bela	Citizen
MJ Rupp	
Scott Smith	DEQ
Sierra Prior	Senator's office (Dembrow)
Michael Dembrow	Senator
Steve Robinson	Citizen
Yumei Wang	
James Bela	Citizen
Joe Karney	
Wes Risher	DEQ

1. ADMINISTRATIVE MATTERS

a/b. Welcome and Introductions



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

- *Brown opened the meeting; Gehret led roll call*
- c. Review and Approval of Minutes from January meeting**
 - *Minutes were approved by motion, as written.*
- d. Events Notification**
 - *Rizzo: March 11 is the anniversary of the Japanese Earthquake and Tsunami*
 - *Rep Gomberg: Legislation has adjourned*
- e. New Business**
- f. May OSSPAC meeting**
 - The May meeting will be virtual

2. REPORTS

a. State Agency

Representative Gomberg:

- With the latest legislative session adjourned, there will be policy bills of consequence
- We had an influx of one-time money from the Federal Government for infrastructure and this is being disbursed throughout the state. This will especially benefit smaller cities that need to update their infrastructure and can't carry the cost themselves.

ODOT (Christina LeClerc):

- Busy during the legislative session
- Looking forward to next year
- There was a series of landslides in Dec/early January and received funding to help cover the cost of cleanup and repairs

DLCD (Meg Reed):

- Oregon Sea Grant recently developed a mapping tool and library called the [Oregon coastal hazards library and mapper](#)
 - Showcases resilience projects on the coast for chronic and acute coastal hazards



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

- Has case studies and links to great resources
- Created a listserv and newsletter; joint effort with Washington to create a Pacific NW hazards newsletter
- Invaluable to local government

DOGAMI (Jonathan Allan):

- The new state geologist director, Dr. Day-Stirrat is joining DOGAMI as the director; from Texas, broad range of experience including significant industry experience

OEM (Althea Rizzo):

- 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

DCBS (Aeron Teverbaugh):

- Teverbaugh focused on legislative session

DEQ (Scott Smith):

- **SB 1567 passed and now DEQ is in the early stages of establishing the new program. Meetings this week to identify program manager.**

Adam Pushkas:

- Newest member of the Seismic Rehabilitation Program for Schools and Emergency Facilities committee

b. State Resilience Officer

- *Review of Legislative session outcomes*
 - OSSPAC submitted 2 letters of support and both bills passed
 - HB 4155: Transfer Oregon Cybersecurity Advisor Council from office of Enterprise Information Services to Oregon Cybersecurity Center of Excellence: Did not pass



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

- HB 4156: moves pre-mitigation grant from the Military Dept to the Oregon Dept of Emergency Management; passed
- SB 1554: OHA study of COVID response; Using AAR as well as an internal study to create report; will present to committee during legislative days
- HB 1567: Passed, see below
- HB 4041: Permits Building Code Structures Board to adopt licensing standards for performing structural masonry; was not passed out of the Business and Labor Committee
- HB 4067: Provides a new law governing urban flood safety and water quality district; helps city focus on the levee systems; passed
- Bill 4068: transfers Oregon Homeland Security Council to Oregon Department of Emergency Management along with staffing and funding; Homeland Security Council now has 14 members; There is a section about stockpiling critical supplies and provided additional information for training and exercises.
- HB 2927: 2 new advisory councils established; One will provide advisory to director of ODEM; one will provide advisory to Harryman and Governor on all hazard-related matters; hiring for positions in these 2 councils soon; goal is to have them up and running by July 1, 2022.
- Self-service bill did not get out of Ways and Means by order of the Senate President
- HB 5202: Infrastructure Bill
 - \$1.2 billion allocated for infrastructure
 - \$263 Million dollars for wastewater, sewage and drinking water systems
 - 16-18 counties were funded about \$1-2 million for fairground upgrades
- Infrastructure Investment Job Act (IIJA)
 - Governor established council to disperse money for a 5-year period
 - \$176 billion- transportation
 - \$73 billion- power grids
 - \$65 billion- broadband
 - \$71 billion- resiliency and climate change
 - \$55 billion- drinking water
 - \$64 billion- public transportation
 - \$43 billion- misc infrastructure
- The Governor's website has been updated. The resiliency webpage should be back up.



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

3. Public Comment

- a. No public comment

4. Topic: 2022 Legislative Report and Discussion: Mike Harryman, State Resilience Officer

- This is the time period that state agencies are given instructions on how to prepare their 2023-2025 budgets from the CFO and DAS
- There will be equity investments across the board
- Policy option packages are also created and submitted to be included in the Governor's recommended budget; With the election of a new Governor this fall, any option packages not chosen by Governor Brown are still up for approval.
- We received funding for the wildfire alert system to complement ShakeAlert;
- HB 5202 \$4.5 million in general funds that will go to the Oregon Hazard Lab; collaborating with Oregon Department of Forestry to map where cameras are already installed to help dictate where wildfire cameras will be installed; goal is to have the wildfire alert cameras installed and running by the end of 2023.

Discussion:

- **How does the handoff to the new governor affect our work?**
 - When there is a change of administration, the staff/advisors stays and they just keep doing what they are doing. There will be background documentation provided to the new governor. When sharing information with the new Governor, connect the dots on what you have been doing and how this affects future work
- **This commission has leaned heavily into the legislative sessions the last few years. We have developed a couple workgroups. What plans do we want for the future?**
 - Bonnie Magura: We need to get the 2 Weeks Read campaign out there. It is critical. All disasters are local and we need to focus on resilience. We should also create a publication sharing information on seismically retro fitting their single residence homes. Publication- Take from what Washington has done and to put our own spin on it.
- **Do you think we should stand up the workgroups sooner and what do you think about the liaison?**



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

- Trent: Standing up workgroups ahead of time may not be a good idea because we don't have the measures we need. If we only focus on the legislative results, we become reactionary.
 - **Liz Safran:** We have had some conversation about things we want to prioritize; next step could be to think about relevant stakeholders, who could be allies, people we need to consult with to be more proactive. In the short session, we had to be in reactive mood. But now we can help shape what will be put out there. Return to the priorities identified. Create a workgroup that is more broadly representative of stakeholders.
 - **Susan Romanski:** I feel like there are groups that could be a benefit to work together. Check in to see what work is going on around the community. It would be great to have a public member work closely with Althea to help support advocacy
 - **Tiffany Brown:** Our report section only allows for state agencies to share out. We have very intentional stakeholders on the committee. We could allow every stakeholder to report out.
 - **Ed MacMullan:** I like the efforts around the legislative sessions. Is there a way to plan the meetings around the cycle of the sessions and be more deliberate about the timing?
- **Possible Topics for future meetings**
 - Peter Dusicka, PSU: CEI Hub Report
 - ShakeAlert in May
 - Wildfire updates

5. Topic: Senate Bill 1567: Senator Dembrow

- The strong support from OSSPAC and individually made a huge difference.
- The two parties came together on this issue and that will give it staying power.
- Yumei Wang has been working on CEI hub since 2007; impressed that Dembrow was able to connect to such a large variety of stakeholders, including the petroleum industry.
- DEQ is hiring an outside engineering firm that will review the self-assessments and mitigation plans coming on. DEQ is setting up the rule-making committee and will have the third party contractor help with this.
- We want to make sure the rules are proper and the project started on the right foot.
- One of the selling points is that there are federal resources, including infrastructure dollars out there to help.



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

March 8, 2022

- Reached out to Defazio's office, chairing the Transportation committee in the House. They pointed Dembrow to a couple FEMA resources since these retrofits could be expensive.
- Tiffany Brown: In the process of developing their plans, these private companies can work with the county or region to fund the project.
- Yumei Wang: a potential opportunity for funding in the Pacific NW is PENWAR. This won't be solved with one bill. How should we continue this work- what are next steps?
- What we learn from the assessments will lead our next steps. In 2025, the legislation will have to look at expansion beyond the three counties in this bill.

Annual report

- Tiffany will send draft to Susan Romanski and Trent Nagele to review before the next meeting.

Adjournment

Oregon Seismic Safety Policy Advisory Commission Bylaws

Article 1 Mission

SECTION 1: NAME

The name of the body is the Oregon Seismic Safety Policy Advisory Commission, also known as “OSSPAC” or the “Earthquake Commission.” OSSPAC is established and addressed in Oregon Revised Statutes (ORS) 401.337 to 401.347.

SECTION 2: OBJECTIVES

OSSPAC promotes earthquake awareness and preparedness through education, research, and legislation. The mission of OSSPAC is to positively influence decisions and policies regarding pre-disaster mitigation and post-disaster issues of earthquake and tsunami hazards, increase public understanding of hazard, risk, exposure, and vulnerability and be responsive to the new studies and/or issues raised around earthquakes and tsunamis. In order to fulfill the goals of the commission, OSSPAC members have developed five primary objectives. These objectives are to develop policy recommendations to increase or improve:

- Earthquake and tsunami awareness, education, and preparedness.
- Earthquake risk information.
- The earthquake safety of buildings and lifelines.
- Geo-science and technical information.
- Emergency pre-disaster planning, response, and recovery efforts.

Article 2 Membership

SECTION 1: MEMBER APPOINTMENT

OSSPAC is composed of 18 members. They include:

The chief officer or the chief officer's designee of these state agencies:

- Department of Consumer and Business Services.
- Department of Geology and Mineral Industries.
- Department of Land Conservation and Development.
- Department of Transportation.
- Office of Emergency Management of the Oregon Military Department.

Thirteen members appointed by the Governor:

- One representative of local government.
- Six members representing the public interest, including:
 - One representative of a school district, community college or university.
 - Two members of the Legislative Assembly.
 - Three members of the general public.
- Six members representing affected industries or stakeholders.

SECTION 2: TERM OF OFFICE

The term of office of each member appointed by the Governor, except the members of the Legislative Assembly, is four years, but a member serves at the pleasure of the Governor. The term of office of a member of the Legislative Assembly expires at the end of the term for which the member is elected. Before the expiration of the term of a member, the Governor shall appoint a successor whose term begins on July 1, next following. A member is eligible for reappointment. If there is a vacancy for any cause, the Governor shall make an appointment effective immediately for the unexpired term.

SECTION 3: EXPENSES

OSSPAC members appointed by the Governor, except members of the Legislative Assembly, are entitled to compensation and expenses as provided for in ORS 401.345 and 292.495.

SECTION 4: ATTENDANCE

Members are expected to attend all meetings of OSSPAC. Legislative members may designate a staff person to attend OSSPAC meetings on their behalf as needed. An expected absence shall be noted to the staff of OSSPAC in advance.

If a member misses two meetings in a row, or three meetings in a 12-month period, without just cause the OSSPAC Chair or staff may request the Governor to appoint or the chief officer of a state agency to designate a replacement. Just cause shall include illness of the member or the family of the member or any other cause that the Chair determines constitutes a valid reason for failing to attend.

SECTION 5: AUTHORITY

No action by any OSSPAC member shall be binding upon, or constitute an expression of, OSSPAC policy until it is approved by OSSPAC membership.

Article 3 Meetings

SECTION 1: REGULAR MEETINGS

OSSPAC shall meet at least once every two months at a place, day and hour determined by the commission. Generally, meetings will be conducted on the second Tuesday of odd numbered months. Meetings generally will be conducted in Salem or Portland, although meetings may be scheduled in other locations in Oregon when convenient for a majority of the members or when circumstances allow.

Meetings shall be conducted in accordance with Oregon's Public Meetings Law (ORS 192.710) and Public Records Law (ORS 192.001 through 192.505). Regular meetings require at least 14 days written advance notice to members. The notice shall include an agenda of all major topics for discussion.

SECTION 2: SPECIAL MEETINGS

OSSPAC also may meet at other times and places specified by the call of the Chair or a quorum of members. Special meetings shall require at least 10 days advance written notice to all members, and shall include an agenda of all major topics for discussion and all topics for action.

Under necessary circumstances, OSSPAC business may be handled by a telephone conference call.

OSSPAC Committees will meet at the call of the Committee Chair.

SECTION 3: QUORUM

ORS 401.345 states that a majority of the members of the Commission constitutes a quorum for the transaction for business. Since there are 18 members, a quorum is 10 when all positions are filled.

SECTION 4: VOTING

Each OSSPAC member is entitled to one vote. Proxy voting is not allowed, except for Legislative members, who may designate in writing a staff person to vote on their behalf.

SECTION 5: PARLIAMENTARY AUTHORITY

The current edition of Roberts Rules of Order shall be the final source of authority in all questions of parliamentary procedures, unless such questions

are addressed by Oregon Revised Statute, Oregon Administrative Rule, or OSSPAC Bylaws.

SECTION 6: PUBLIC PARTICIPATION

The Chair may choose to allow limited public participation in Commission meetings as time permits during designated public comment periods. During a public comment period, members of the public wishing to raise an issue which is not on the Commission's agenda for that meeting shall provide the Commission with 20 copies of the information which will be entered into the public record. The Chair has the authority to regulate the order and length of appearances by members of the public. The Chair also has the authority to refuse to allow specific comments if the comments do not pertain to the mission of OSSPAC or if OSSPAC has already acted on the issue.

Article 4 Offices

SECTION 1: SELECTION OF OFFICERS

OSSPAC shall select one of its members to serve as Chair of the commission and shall select another member to serve as Vice Chair. Officers shall serve for a term of two years, running from November 1 through October 31 of the second year following. Officers may serve a maximum of two terms in the same office.

A biennial election of the officers of Chair and Vice Chair will be held at the regular meeting in September of odd numbered years, or the regular meeting of the third quarter of the year. The new officers will take office on November 1.

If a vacancy occurs in an OSSPAC office, a special election to fill the office will be conducted at the next regular meeting. The new officer will take office at the next meeting after the election.

SECTION 2: DUTIES OF CHAIR

The Chair shall:

- Preside at all OSSPAC meetings. Agendas will be prepared in coordination with Oregon Emergency Management staff.
- Be the contact representative for OSSPAC unless the commission makes other arrangements in an official meeting.
- Represent OSSPAC, along with other members or staff, before legislative committees and official functions. If the Chair represents a state agency on the commission and agency policy does not allow him or her to appear before legislative committees, the Chair may appoint another OSSPAC member to do so.
- Establish committees as needed and appoint members to committees with member approval.
- Provide a summary report of OSSPAC activities to the Governor every two years.

SECTION 3: DUTIES OF VICE CHAIR

The Vice Chair shall:

- Serve in the absence of the Chair.
- Not automatically succeed to the office of Chair, but may be elected Chair.

Article 5 Committees

The Chair may establish any committees that the Commission deems necessary and prudent to carry out OSSPAC business. Committee appointments shall be at the will of the Chair, with approval from the full commission.

Standing committees are the Legislative Committee and the Education Committee. Standing committees will report as needed to the full commission at regular meetings.

Article 6 Staff

The Office of Emergency Management shall provide technical, clerical and other necessary support services to the commission. The Department of Consumer and Business Services, the Department of Human Services, the State Department of Geology and Mineral Industries, the Department of Land Conservation and Development, the Department of Transportation, the Water Resources Department and the Oregon University System shall provide assistance, as required, to the commission to enable it to meet its objectives.

Article 7 Amendment of Bylaws

These bylaws may be amended or repealed and new bylaws may be adopted at any regular meeting of OSSPAC. Notice of any proposal to change the bylaws shall be included in the notice of the meeting.

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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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