



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

September 13, 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>Senator Dick Anderson</i>	<i>Representative Legislative Assembly</i>
<i>Lesley Ogden</i>	<i>First Responder Stakeholder</i>
<i>Bonnie Magura</i>	<i>Schools 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>Meg Reed</i>	<i>Department of Land Conservation and Development</i>
<i>Jonathan Allan</i>	<i>DOGAMI</i>
<i>Christina LeClerc</i>	<i>State agency: ODOT</i>
<i>Althea Rizzo</i>	<i>State agency: OEM</i>

OSSPAC Members Absent:

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

Others in Attendance:

<i>James Bela</i>	<i>Citizen</i>
<i>Debra Wixom</i>	<i>Board Administrator Partner</i>
<i>Mikala Thomas</i>	
<i>Kim Alberts</i>	
<i>Peter Ruggiero</i>	<i>Oregon State University</i>
<i>Matt Frisom</i>	<i>Oregon State University</i>
<i>Dan McNally</i>	<i>Oregon Treasury Department</i>



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Administrative Matters

Brown opened the meeting and held roll call.
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Hosting from the Treasury building in Salem.

Event Notifications

Althea: Great Oregon ShakeOut 10/20/22 at 10:20

New Business

None

November OSSPAC Meeting

November meeting will be held at the Treasury building.

Discussion of Treasury Building

Dan McNally

Back in 2016, the space in the treasury building wasn't working. Started to talk with DAS. Bids came back. Projects were very expensive and didn't provide enough of a benefit. The Treasury started to look at other locations, and eventually considered building a new building. That path led to conversations about resiliency. Searched for property with a low liquefaction rate. Found property that could be leased next to I-5 and the airport and began enlisting the contractors, engineers, architects, and owner early on for clear coordination throughout the project. The building has base isolation. The building is one of only 6 in the country that has received the United States Resiliency Council (US RC) Platinum rating. It is the only platinum rating, base oscillation building in the world. It is also "Island mode" with built in water filtration systems, on site septic, battery backup, 230 watts of solar on the roof, diesel generator backup. The building has everything it needs to operate independent of city services. In a worst-case scenario, the Treasury team could operate in the building for 8 days without any outside assistance. In the Spring, Summer, and Fall, they should be able to operate indefinitely with the sun providing enough power. Operations have performed in the building below a net-zero level since the building opened during the summer. Operable second floor windows, radiant floor heating around the outer 12 feet of the building to help warm the building more slowly and cost effectively in the morning and then the HVAC kicks in once the building hits a certain temperature.

Gomberg asked if treasury employees normally stationed at the capitol will be staying at the new building, and McNally said the decision hadn't been made yet. They are currently in the new building due to construction at the Capitol. There is a benefit to having Treasury presence in the capitol building for collaboration and visibility. There will be more discussions to come.

Safran asked how much the building cost, and McNally answered that it came in 1.5 million under budget and one day early with a final cost of \$40 million. The Treasury is responsible for



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the flow of funds within Oregon. If Treasury systems are down, other systems don't function. Payments don't go out FEMA funds don't come into the state. The building protects the people, as well as the systems. The building is 35,805 square feet.

State Agency Reports

ODOT (Christina LeClerc):

Very busy due to the fires. Fortunately, no damage to the roads and all road closures have been lifted. Some flooding in Eastern Oregon in May and June with some pretty decent damage to I-84 and ODOT was approved for some emergency relief funding with HWA, so they covered the cost of those repairs. End of Report.

DLCD (Meg Reed):

They are almost finished with associated resources for local communities on the Oregon coast. They have a NOAA Coastal Management Fellow working with DLCD since August helping to implement new programs that will help with Tsunami inundation. This program is 2- years.

OEM (Althea Rizzo):

OEM separated from OMD on July 1st. Our move to the new building will occur in October. She is working on developing a Tsunami Debris guidance document meant to help coastal communities after a CSZ earthquake. The document characterizes the types of debris, specialized debris management issues, environmental hazards. She will be putting out a Request for Proposals for contractors to help take the project over the finish line. The second project is a Vertical Tsunami Evacuation Guidance document to help communities build evacuation structures. The work is based on Washington's guidelines, and an RFP will go out for that shortly, as well. She will be presenting at the Basin and Range Symposium, discussing the 1993 Klamath earthquakes. Next year will be the 30th anniversary of the Scott's Mill and Klamath Falls earthquakes. The Be 2 Weeks Ready will launch January 26th, 2023.

DOGAMI (Jonathan Allan):

Reviewing applications for a new earthquake geologist and hope to have someone lined up by the next OSSPAC meeting. They've received funding through the National Tsunami Mitigation Program and will start on September 1st. Working with Clatsop County to develop a Vertical Tsunami structure and moving to Tillamook Co for some tabletop exercises to evaluate potential sites for building the vertical evacuation structures. What are the best locations to safeguard the greatest number of people or those who will be the most severely impacted. They are completing a coastwide assessment looking at the casualties and economic impacts after a CSZ earthquake and tsunami for the whole Oregon coastline. Numbers need to be updated for Clatsop and Tillamook counties and then distil the information into more meaningful data for pre-disaster planning. Several sites have been identified along the Oregon coast based on casualty modeling, so DOGAMI will work with local communities to identify the best locations for building within their borders. Places in Clatsop County of interest would include Fort Steven's



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state park, Gearhart, and Hammond in Seaside where evacuation is not possible without a structure.

DCBS (Erin):

The Division of Financial regulation is doing a lot with the wildfire activity. The structural build board will meet to discuss postponing the new structural code until April 1st. The adoption of the code is still supposed to happen October 1st with a phase in period until the April 1st deadline.

Representative Gomberg:

Legislative days coming up later in the month. Committees meet remotely to discuss issues that may come up in January's legislative session. The end of September is the deadline to submit legislative drafts to the legislative council. Concepts are not available to the public.

Public Comment

None

Cascadia CoPes Hub Presentation

Peter Ruggiero: <https://cascadiacopeshub.org>

New project by the National Science Foundation Coastlines and Peoples Program engages diverse groups of stakeholders to understand the complex interactions between coastal processes, human dynamics, and the built environment. OSU submitted for the RFP and won a 5-year, 19 million dollars project. The project is the Cascadia Coastlines and Peoples Hazards Research Hub (Cascadia CoPes Hub), involves over 70 researchers. 5 teams:

- Tectonic Geohazard Sources and Integrated Probabilistic Modeling
 - Identifying onshore and offshore faults
 - New landslide mapping and dating
 - Landscape modeling and geomorphic assessments
 - Updated estimates of vertical land movement
 - New geologic observations and dating
 - Recurrence interval estimates
 - Coupled earthquake-landslide-tsunami simulations
 - Multi-hazard impacts of shaking and inundation on coastal infrastructure
 - Tsunami debris forecasting and vulnerability assessment
 - Capstone classes have helped develop warning applications
- Exposure to Inundation and Coast Change Hazards
 - Quantifying risk from extreme coastal water levels
 - Quantifying evolution of coastal morphology and coastal ecological response
 - Evaluate natural and nature-based features for climate change adaptation
- Community Adaptive Capacity
- Broadening Participation and Inclusive STEAM Education
- Community Engagement and Co-Production of Coastal Hazards Knowledge.



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Some work is Cascadia wide; some is based on three collaboratories: Tokeland to Taholah, WA, Newport to Astoria, OR & Coos Bay, OR
Coastal Hazards Support has a webpage that allows communities to directly request support. Students can engage through the Fellows program

Break began at 9:49

Conversation during break:

Some Oregon Tsunami Inundation videos and apps are available:
<https://www.oregongeology.org/tsuclearinghouse/pubs-videos.htm>
<http://nvs.nanoos.org/TsunamiEvac>
http://www.nanoos.org/mobile/tsunami_evac_app.php

Break ends at 9:55

Legislative Updates

Who is interested in being part of a legislative subcommittee? Is anyone interested in leading that legislative subcommittee? Brown will initiate the first meeting with members separate from the regular meeting.

Harryman advised that he has been asked to give two presentations over the 3-day session.

- 1) The interim house, Veterans of Emergency Management Committee. Discussion on schools serving as after-earthquake shelters. Business Oregon is providing an up-to-date map of the seismically retrofitted schools and emergency facilities such as hospitals, fire & police stations. Grants issued since 2009 have been utilized and the hope is to create buildings that will allow for immediate occupancy following an event. Resiliency facilities. He will also get information from the Port of Portland.
- 2) Interim Committee for Wildfires and talk about the 2020 after action reviews. We did not have a very good alert system. We do today. It's called OR Alert.

He noticed that over the past three sessions that OSSPAC did a great job focusing on policies with the word seismic or resilience. He asks that the committee gets to discuss any in-support letter prior to it being introduced officially to the Governor's office or Legislators. By the end of this biennium, Oregon will have invested in almost 720 million in schools and emergency facilities since 2009. In the last session, HB 2927 created the Department of Emergency Management and the Department of the State Fire Marshal, as well as the Local Government Emergency Management Advisory Council and the Emergency Preparedness Advisory Council.

Gomberg reminded that the Capitol building is going to be closed for most of next year. It is undergoing seismic rehabilitations and expansions. This could be a three-year project. The House and Senate Chambers will be open. The Committee wing is closed so it will operate in an alternative location or virtually. January will bring a new Governor and turnover in the House



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and Senate. Roughly 60% of the House has served less than two years (in the times of Covid) so collaboration looks a little different.

Regarding his education bill he explained: We are going to spend one day per year in classrooms teaching kids how to prepare for natural disasters. It's one day of emergency preparation education which can include earthquakes and tsunamis, fires, floods, droughts, heavy snowfalls. The curriculum would be prepared by the Department of Education, ensuring the disasters are relevant in the specific communities and the information is age specific. The hope is that the kids will talk about what they learn at home and communities will get better prepared. The Chair of the House Education Committee will be new and hopefully more open to the bill. Make sure the committee pays attention to bills on the coast that may be seismic related without saying seismic in the title. One example is the new infrastructure bill and how seismic considerations need to be assessed in those projects. If OSSPAC wants to be more involved in bills, they are going to have to be able to react very quickly, with perhaps on 24 hours to respond. Secondly, OSSPAC may not propose legislation but could send it through the agency at the Governor's request. Third, many infrastructure issues aren't actually bills and just go through the Capital Construction Committee, and after public hearings, they present what they chose to fund. One of the best ways we can influence the course of the legislations is by reaching out to Legislation directly.

10-Year Anniversary of the Oregon Resilience Plan

Mike Harryman:

Mike will speak with OSU on 09/14/22. We don't really have metrics to gauge resilience per the chapters of the plan. OSU may be able to help us create those metrics. Example is chapter 5 of the Oregon Resilience Plan: Transportation. Assessments needed to be done and Oregon used the Department of Homeland Security, Cybersecurity and Infrastructure security agency (CISA) to assist. Looking at what assessments have been completed would be a good metric. OSSPAC should decide if they want to update individual chapters and whether they'd like to work with OSU to help identify the metrics. Not touching it at 10-years could mean the plan fades away and it's beneficial to keep it current. It could help pinpoint which chapters need the most focus going forward. Perhaps its water and wastewater in the rural counties.

Brown asked who was interested in convening a subgroup for an Oregon Resilience Plan review, and said the group should meet within the next month, discuss frameworks and timelines. Bonnie, Susan and Jonathan have shown interest. Getting it done in time to be introduced at legislative session will be the goal. Brown will send out a Doodle Scheduler to all OSSPAC members. Whoever wants to participate can participate in the scheduler.

The first draft had a team of 120 people. Creating a version 2 complete rewrite may not be feasible, but updates and metrics could be. A complete revision could be beneficial down the road but on a different timeframe.



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Break

Annual Report

Althea Rizzo:

We are in a new funding cycle and \$2,500 has been set aside for OSSPAC's annual report. Waiting on OEM finance to confirm where the funding might be. Willing to be put in touch with POC to start the contract piece. A new QuickBooks link needed to be sent out.

Closing Remarks

Tiffany Brown:

We will get the 2023 meetings up on the website and get those updated. Next meeting will be Tuesday, November 8th. This meeting is adjourned.