



OREGON SEISMIC SAFETY POLICY ADVISORY COMMISSION (OSSPAC)

Tuesday, March 14, 2023

MEETING AGENDA

IN-PERSON

State of Oregon Treasury
867 Hawthorne Ave SE
Salem, OR 97301
Meeting Room(s): Yasui – A, B, & C

VIRTUAL

<https://us02web.zoom.us/j/89539117040?pwd=b0svZDVjL2RYeHBaZkFnUUxHdVh4UT09>

Meeting ID: 895 3911 7040 | Passcode: 997027

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|---------------|--|
| 9:00 – 9:15 | 1. Administrative Matters |
| | a. Welcome |
| | b. Roll Call & Introductions |
| | c. Review and Approval of January Minutes |
| | d. Events Notification |
| | e. New Business |
| | f. May OSSPAC Meeting |
| 9:15 – 9:30 | 2. Reports |
| | a. State Agencies |
| | i. ODOT |
| | ii. DLCD |
| | iii. ODEM |
| | iv. DOGAMI |
| | v. DCBS |
| | vi. DEQ |
| | vii. Legislative Assembly |
| | viii. State Resilience Officer |
| 9:30 – 9:40 | 3. Public Comment |
| 9:40 – 10:10 | 4. Oregon Resilience Plan 10 th Anniversary
Kent Yu, SEFT Consulting Group LLC |
| 10:10 – 10:30 | 5. Oregon Resilience Plan 10 th Anniversary
Jay Wilson, Clackamas County Disaster Management |
| 10:30 – 10:40 | BREAK |
| 10:40 – 11:00 | 6. Oregon CEI Hub 2050 Vision
Jay Wilson, Clackamas County Disaster Management |
| 11:00 – 11:20 | 7. Legislative Subcommittee Update |
| 11:20 – 11:30 | 8. 2020-21 Annual Report Approval |
| | Adjourn |



OSSPAC Agenda Item Summary

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ITEM 4

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Presenter(s)	Kent Yu
Summary	Discuss the ORP history and opportunity to address in 2023.
Background	Yu was OSSPAC Chair and led the ORP effort in that capacity.
Links	Oregon Resilience Plan

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Presenter	Jay Wilson, Clackamas County Disaster Management
Summary	Present resilience concept regarding the need for a comprehensive long-term vision for the CEI Hub
Background	In 2022, Senate Bill 1567 was approved, thus requiring CEI Hub terminal owners to submit comprehensive seismic vulnerability assessment and risk mitigation plans to the Oregon Department of Environmental Quality no later than June 1, 2024. The CEI Hub 2050 Vision briefing paper addresses a number of emerging issues that are outside of the scope of SB 1567 legislation and Rule Making.
Attachment	CEI Hub Briefing DRAFT

ITEM 7

Issue/Title	Legislative Update
Presenter	Legislative Work Group Members
Summary	Discuss OSSPAC Legislative Priorities
Background	The legislative session has begun, and the OSSPAC legislative subcommittee is convening throughout the session to identify and communicate areas of interest to the Commission.
Attachment	OSSPAC Bill Tracker

ITEM 8

Issue/Title	2020-21 OSSPAC Annual Report Approval
Presenter	Tiffany Brown
Summary	Approve 2020-21 OSSPAC Annual Report
Background	The 2020-21 Annual OSSPAC Report was presented in draft form at the January meeting after which time members submitted edits and additions that were subsequently added. The draft report is missing one piece of data coming from OEM, otherwise ready for Commission approval.
Attachment	

Oregon CEI Hub 2050 Vision - Briefing *DRAFT*

Problem Statement

We need a comprehensive long-term vision for the CEI Hub that aligns with the Oregon 2050 GHG emission goals while mitigating the earthquake threat, avoiding a catastrophic oil spill, ensuring energy and economic security, and delivering environmental justice for impacted communities.

What we know:

Old and Aging Infrastructure: The CEI Hub has hundreds of old oil storage tanks that hold hundreds of millions of gallons of various petroleum products - over 90% of Oregon's liquid fuel (gasoline and diesel).

- The largest tanks were built between the 1930s and 1960s when we did not have seismic codes and we didn't adopt the most basic seismic codes for an M9.0 quake in Oregon until the mid-1990s.
- We are still not designing and building our infrastructure to the **resilience-based design** levels of countries like Japan and Chile that face similar type earthquakes.
- The daily exposure of these various oil products, like diesel exhaust, may have chronic impacts to air quality in the adjacent communities like Linnton and possibly in the neighborhood of St. Johns, disproportionately impacting BIPOC communities.

Earthquake Threat: The expected M9.0 Cascadia earthquake will bring heavy shaking for 4-5 minutes and liquefaction to the CEI Hub area along the lower Willamette River. These riverine soils will amplify the ground shaking by a factor of 2-3 times shaking like Jell-O. The sandy soils will lose their load-bearing capacity and oil tanks will sag and rupture or topple due to heavy liquid sloshing for minutes.

An M6.0 or greater Portland Hills earthquake could occur directly underneath the CEI Hub area. While this earthquake has a very low probability, it is the worst-case scenario event for the CEI Hub and may generate a surface fault rupture with permanent lateral offsets. Should we even be considering allowing new construction of critical energy facilities on top of this fault?

Oil Spill: Based on the recent EcoNW report by the City of Portland and Multnomah County, the volume released will be between 10 and 40 million gallons of oil that will likely produce one of the worst oil spills in US history.

Spill Impacts: The immediate plume exposure of these various oil products will have devastating impacts to the surrounding communities like Linnton and St. Johns and in Historically Black Communities in N/NE Portland. Likewise, the liquid oil products released will spread into the natural environment throughout the entire lower Columbia River systems for 100 river miles to the Pacific Ocean.

- Impacts to salmon recovery, Indigenous cultures, recreation, shipping, and to areas of tidal influence will be enormous and environmental recovery may take longer than the earthquake recovery.
- Oil will be washing out from the mouth of the Columbia within five days of the earthquake and immediately begin to cover Oregon beaches and infiltrate into estuaries and into coastal river systems, already overwhelmed by the tsunami events. Coastal recovery will be impeded by oil contamination.
- This spill will impede disaster recovery by delaying the use of the Columbia and Willamette Rivers to bring supplies into the Portland area and beyond Bonneville Dam.
- Oil impacts may delay resumption to the \$21 billion annual economy of river cargo shipping.

Spill Response: While DEQ, EPA, US Coast Guard and local HAZMAT teams have contingency plans for anticipated releases due to routine transportation accidents or pipe bursts, they do not have a master plan for responding to a post-EQ multi-facility failure.

- This spill will not be responded to in the immediate aftermath of an earthquake.
- Every EQ aftershock sequence will trigger additional spills from ruptured tanks and pipelines and collapsed containments basins.

Oregon CEI Hub 2050 Vision - Briefing *DRAFT*

The Path Forward

2050 CEI Hub Vision - A Resilience Imperative: Ownership, Stewardship, Leadership

- As this is Oregon's primary petroleum storage facility, shouldn't we be thinking about what and how we want the CEI Hub transition to be as we shift more towards green energy by the mid-21st century?
- As we draw down our need for historic levels of gasoline storage, we can then begin to decommission, at a commensurate level, the worst offending oil tanks and reduce our oil exposure.
- Ownership - Oil Company accountability, responsibility, liability through community engagement
- Stewardship - Community values that shape a *Just Transition* for the natural and human environment
- Leadership - Shared values and goals with support for the local, regional, state, Tribal, and federal champions to develop and implement a multi-generational vision for the Lower Willamette River

Policy and Strategy Alignment - At this time, Oregon's various agencies are all working on parts of the 2050 climate goals, but the CEI Hub has **not** been integrated into that policy arena for the leverage it can provide.

- Oregon Global Warming Commission - CEI Hub not part of their 2050 targets
- DEQ Climate Protection Program - CEI Hub not part of the GHG reduction modeling
- DEQ Equity Advisory Committee - the CEI Hub needs to be part of their mandate
 - What is the role for equity-based environmental justice for populations exposed to the CEI Hub and just-transition away from fossil fuels and towards green energy?
- ODOE Energy Security Plan update - CEI Hub spill and response planning just added into the equation, but unclear on goals and objectives
- PNW Regional Spill Response Planning - no contingency planning for the CEI Hub failure, so our only recourse is to what seismic design level will be recommended by the DEQ RAC?
- We need to adopt the recent FEMA/NIST (SP-1254) Standards for "Functional Recovery" guidance for **resilience-based design** to allow immediate operations or require minimal repair post-disaster.
- What is the role of the Oregon Federal Delegation to help?
 - Oil company oversight, responsibilities and liabilities
 - Multi-state impacts and planning
 - Consider the CEI Hub as a national case study for alignment of climate change with seismic, energy transition and environmental protection policies

Current CEI Hub Efforts:

SB 1567 DEQ Rules Advisory Committee (RAC) - The RAC is currently working on mitigation planning standards for the oil companies to self-assess their seismic risk and determine a mitigation plan for existing tanks or building new bulk oil storage tanks. DEQ report is due by June 2023 and the oil company plans are due by June 2024.

- While we cannot stop the earthquake from happening, we can avert the oil spill if we address the structural deficiencies of the aging petroleum infrastructure.
- If we do not have a 2050 vision for the CEI Hub then these oil companies may likely address their seismic vulnerabilities in a manner that best serves their business models and may not adequately manage the oil spill potential or address the transition away from fossil fuels to green energy.
- For oil company mitigation planning, we should appeal to their company's business bottom line to minimize service disruption, improve return to service capacity, avoid spill potential, decentralize their concentration of risk, and anticipate future energy transition opportunities.

Risk Bonding for Oil Spills - Multnomah County has been exploring the legal options to require oil companies to insure their liability for potential oil spills. This cannot stop the spills, but it may be a disincentive for the oil companies to maintain business as usual and provide some financial compensation for spill impacts.



OSSPAC 2023 BILLTRACKER

SENATE BILLS - 2023 LEGISLATIVE SESSION

#	DESCRIPTION	SPONSOR	TOPIC/RELATED BILLS	MEETINGS	ACTIVITY	OSSPAC NOTES
SB868	Requires Department of Consumer and Business Services to study how to build resiliency into buildings. Directs department to submit findings to interim committees of Legislative Assembly related to environment not later than September 15, 2024.	Lieber & Marsh	Resilience			Find out more about this.

HOUSE BILLS - 2023 LEGISLATIVE SESSION

#	DESCRIPTION	SPONSOR	TOPIC & RELATED BILLS	MEETINGS	ACTIVITIES	OSSPAC NOTES
HB2154	Requires ODEM to study EM. Submit findings no later than 9/15/24.	Grayber	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	Placeholder bill-- track.
HB2155	Requires ODEM to study EM. Submit findings no later than 9/15/24.	Grayber	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	Placeholder bill--track.
HB2257	Appropriates monies to schools for construction projects with urgent safety priority		INFRASTRUCTURE			Research.
HB2300	Adopt licensing standards for structural masonry in essential facilities; requires adequate fireproofing in essential facilities	Lewis	CONSTRUCTION STANDARDS HB2877	None scheduled at this time.	Referred to Business & Labor.	Duplicates HB2877
HB2508	Directs Oregon Department Office of Emergency Management to administer grant program in support of projects to consolidate and modernize or upgrade public safety answering points. Sunsets January 2, 2043.	Nathanson, Findley, Evans, Grayber & Helm	PSAP	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	PSAP = 911 Centers Which/how many exist in URM or inundation zone?

HB2771	Expands duties of State Resilience Officer.	Evans	SRO	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	Ask what this adds to HB making SRO all-hazards.
HB2779	Study issues related to improving ground transportation infrastructure resilience, report on or before 9/15/24.	Evans	TRANSPORTATION	None scheduled at this time.	Referred to Transportation.	RRAP-related
HB2785	Directs Department of Transportation to study issues related to improving transportation infrastructure resilience and to report to appropriate committee or interim committee of Legislative Assembly					RRAP-related
HB2825	Authorizes Oregon Department of Emergency Management to issue temporary professional licenses during states of emergency to individuals formerly licensed by certain professional licensing boards.	Evans	TEMPORARY LICENSURE	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	Post-earthquake inspections?
HB2827	Directs Oregon Department of Emergency Management to develop and maintain grant program to harden community facilities against man-made and natural disasters. Establishes Community Facility Hardening Fund.	Evans	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	Research.
HB2837	Study granting tax benefit to emergency management volunteers.	Evans	VOLUNTEERS & CBO	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	
HB2848	Directs Oregon Department of Emergency Management to establish liaison to each county to foster development of county-level organizations or networks to address emergency prevention, preparedness, response and recovery. Sunsets January 2, 2026. Declares emergency, effective on passage.	Evans & Lewis	CBO	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	VOAD/COAD? How do these volunteer/CBO bills differ and where are they coming from? Update schedule?
HB2850	Directs Oregon Department of Emergency Management to contract with one or more philanthropic liaisons. Specifies minimum duties of philanthropic liaisons. Declares emergency, effective on passage.	Evans	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	VOAD liaison already in place-- what is different?

HB2860	Directs ODEM to develop and implment volunteer program in consultation with OregonServe	Evans	ODEM & VOLUNTEERS	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	ATC-20?
HB2861	Directs multiple state agencies to develop volunteer database; directs ODEM to administer and maintain	Evans	VOLUNTEERS	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	Inaccessibility issues in the past-- used regionally. OEM only accessed. Money already spent on this 3 years ago?
HB2863	Establishes Oregon Deslination Authority to study development and maintenance of state facilities	Evans	DESALINATION	None scheduled at this time.	Referred to Climate, Energy, and Environment with subsequent referral to Ways and Means. Scheduled Events	Related to tsunami?
HB2873	Authorizes issuance of general obligation bonds for emergency preparedness equipment.	Evans	LOCAL GOVT EQUIPMENT	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	
HB2877	Adopt licensing standards for structural masonry in essential facilities; requires adequate fireproofing in essential facilities	Evans	CONSTRUCTION STANDARDS HB2300	None scheduled at this time.	Referred to Business and Labor.	Why duplicated? Is it needed in addition to building codes already?
HB2901	Directs OBDD to develop and implement fuel/water grant program for essential facilities in tsunami inundation zone	Gomberg, Anderson, Smith & Weber	ESSENTIAL FACILITIES	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	Check with Gomberg, ask Lesley
HB2902	Requires Dept of Ed to prepare all-hazards curriculum and professional development	Gomberg, Anderson and Weber	HAZARDS EDUCATION	None scheduled at this time.	Referred to Education.	
HB2937	Requires ODEM to study emergency communications infrastructure	Morgan & Wright	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	
HB2948	ODEM to develop/implement grants for fairgrounds used as evacuation sites	Morgan, Scharf, Hansell & Wright	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans with subsequent referral to Ways and Means.	
HB2990	Directs Oregon Health Authority to develop and implement grant program to support resilience hubs and networks in Oregon.	Marsh & Pham	OHA	None scheduled at this time.	Referred to Climate, Energy, and Environment.	Types of resources/supplies?

HB3058	Directs Oregon Aviation to study airport infrastructure resilience	Evans	TRANSPORTATION	None scheduled at this time.	Referred to Transportation.	How does this relate to the other Evans' transportation resilience bills?
HB3059	Requires ODEM to study EM	Evans	ODEM	None scheduled at this time.	Referred to Emergency Management, General Government, and Veterans.	
HB3323	Appropriates moneys from General Fund to Oregon Department of Administrative Services for distribution to Multnomah County for Earthquake Ready Burnside Bridge project.	Dexter	INFRASTRUCTURE			



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