

Percival Plaza - Olympics Room 626 Columbia Street NW Olympia, WA 98501

The meeting agenda is available on the Port's website as of May 8, 2025. <u>https://www.portolympia.com/commission</u>

The public may join the meeting from their computer, tablet or smartphone at:

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or Telephone: 1 253 215 8782 Meeting ID: 881 9254 1987

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No public comment or commission action will be taken at this Work Session.

AGENDA

- A. Call to Order
- B. Approval of Agenda
- C. Sea Level Rise and Climate Resilience Briefing: Natalie Weiss, Climate Programs, City of Olympia
- D. Adjourn

	COVER MEMO
Briefing Date/Time:	May 12, 2025
Staff Contact/Title:	Jonathon Wolf, Environmental Manager, 360.528.8073, jonathonw@portolympia.com
	Guest Presenter – Natalie Weiss, Climate Programs, City of Olympia
Subject:	Sea Level Rise and Climate Resilience
Purpose:	Information Only Decision Needed

Overview:

Briefing - No action required.

Background:

Natalie Weiss from the City of Olympia Climate Program will present on the implementation of the Olympia Sea level Rise Response Plan. The Olympia Sea level Rise Response Plan is a product of the Olympia Sea Level Rise Collaborative that includes the Port of Olympia, the City of Olympia, and LOTT Clean Water Alliance.

Natalie will describe the history of the Sea Level Rise Response plan and current and future efforts to build resiliency against sea level rise in Olympia and the Port peninsula.

Documents Attached:

PowerPoint Presentation

Summary and Financial Impact:

This is an informational briefing with no action proposed at this time. Therefore, there is no financial impact.

Conclusion:

This briefing is to update the Commission on current sea level rise resiliency efforts and stimulate conversations on what the Port of Olympia can do to further overall climate resiliency efforts.





Olympia Sea Level Rise Response Plan

The adopted document guiding all sea level rise planning and implementation until 2100.

- Project partners: City of Olympia, LOTT Clean Water Alliance, and Port of Olympia
- SLR Plan includes:
 - Science and Projections
 - Vulnerability and Risks of assets
 - Adaptation Strategies
 - Needed Actions and Next Steps
 - Estimated Costs and Resources
 - Implementation Schedules





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Sea Level Rise Projections

Year	Most Likely (inches)	High-Range (inches)
2020	3	7
2030	5 to 7	11 to 13
2040	8 to 10	16 to 18
2050	11 to 13	23 to 25
2060	15 to 17	30 to 32
2070	18 to 20	37 to 39
2080	22 to 25	46 to 49
2090	27 to 31	54 to 58
2100	32 to 36	64 to 68





Port of Olympia Vulnerabilities: Between 2030-2050

- With low to moderate sea level rise (6 to 12 inches), floodwaters could travel southward from North Point and northward from Percival Landing and impact the following assets:
 - Marine Terminal (cargo yard, rail, and Warehouse A)
 - Cascade Pole site and the groundwater treatment facility
 - Stormwater pumping station
 - Port Plaza and Farmers Market



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Port of Olympia Vulnerabilities: Between 2040-2070

- With moderate sea level rise (18 to 24 inches), East Bay shoreline and assets exposed to flooding:
 - Olympia Area Rowing Center
 - Swantown Marina and Boatworks
 - Shipping berths
 - Key transportation corridors (Marine Drive)







Should We Stay or Should We Go? Managed Retreat Considerations



Above and Below Ground Infrastructure Demolition, Disposal, Clean Up, Restoration

Irreplaceable Cultural Resources

Wholesale retreat deemed unpragmatic and infeasible.

Adaptation and protection strategies focus on publicly owned property and rights-of-way.













Port of Olympia's SLR Responsibilities

- 1. Implement adaptation strategies on Port property
- 2. Ensure new construction is aligned with future SLR projections























Any questions?

Thank you! Natalie Weiss nweiss@ci.olympia.wa.us (360) 570-5828

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