

Item: 9B
Date: 11/17/22

Environmental Action Plan

Tacoma Harbor

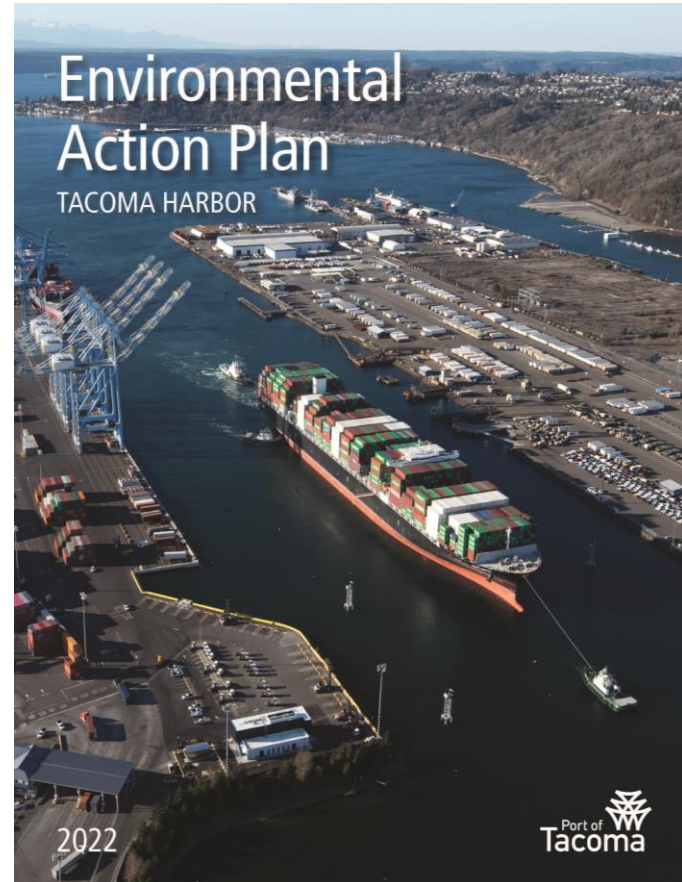
Jason Jordan, Director, Environmental & Planning
Port of Tacoma Commission Meeting

November 17, 2022



Environmental Action Plan

- At the Dec. 2021 commission meeting, Commissioner Meyer requested development of a comprehensive plan detailing all environmental projects planned for the Tacoma Harbor.
- An Environmental Action Plan has been created, consolidating the strategies and actions of the Port's environmental programs into one comprehensive document.
- This Plan provides an easy-to-read, concise way to track and measure our progress and to communicate with the community.



Environmental Action Plan

- Introduction, including explanation of NWSA partnership.
- Environmental goals, from Strategic Plan.
- Five environmental focus areas.
- Followed by a chart for each focus area showing the key actions and strategies being taken, a five-year timeline, cost range, and graphic representation of co-benefits.

INTRODUCTION

In 2015, the Ports of Tacoma and Seattle formed a partnership called The Northwest Seaport Alliance (NWSA). The NWSA markets and manages the container, breakbulk, auto, and some bulk terminals in Tacoma and Seattle. The success of the Port of Tacoma and the NWSA are intertwined—Port and NWSA staff work closely together on projects and initiatives in support of organizational mission and goals, including environmental programs.

Environmental leadership is integrated into all aspects of the Port, from development activities to ongoing operations. We proactively support and execute programs that go above and beyond regulations and continue to invest in, employ best practices, and work strategically to fulfill our environmental goals.

This Environmental Action Plan (EAP) lays out the high priority actions the Port and NWSA will take in the Tacoma harbor over the next several years to meet the environmental goals as outlined in the Port's Strategic Plan:

- Reduce the air and climate pollution generated by Port and tenant activities.
- Remediate (clean up) contaminated Port properties in a manner that ensures protection of human health and the environment while enabling economic development.
- Invest in projects that improve the quality of stormwater runoff from Port properties, embody best practices, and empower our tenants to comply with complex permits.
- Create wetland opportunities and improve fish habitat independent of regulatory obligation.

Consolidating the strategies and actions of the Port's environmental programs into this comprehensive EAP provides a clear and concise way to track and measure our progress and to communicate with the community.



ENVIRONMENTAL FOCUS AREAS

The actions outlined in this EAP are divided into five environmental focus areas, each including an outline of the key strategies and actions, a timeline, and graphic representation of co-benefits.

Clean Air & Climate

Phase out emissions from seaport-related activities by 2050, or sooner, supporting cleaner air for our local communities and fulfilling our shared responsibility to help limit global temperature rise to 1.5°C.

Water Quality

Protect and enhance the environment of the Puyallup River and Commencement Bay by continuing to improve water quality and stormwater runoff from Port-owned properties.

Cleanup & Remediation

Remediate and clean up Port-owned land that has been contaminated by previous owners and uses, transforming old industrial sites into usable properties to attract new business and jobs to our region.

Habitat Restoration

The Port is committed to the creation, enhancement and restoration of wetlands and habitat for fish and wildlife.

Resiliency

Protect the health and safety of our employees, labor partners, customers, community, and operations while protecting our assets against current and future threats.

IDENTIFYING CO-BENEFITS

Co-benefits from the Port's environmental actions can help improve the environment and make a difference in the lives of people that work or live near the port and throughout our region.

Examples of co-benefits include:

-  Air quality
-  Energy conservation
-  Fish & Wildlife
-  Health
-  Operational cost savings
-  Partnerships
-  Pollution reduction
-  Reduced congestion
-  Water quality

Environmental Action Plan

Clean Air & Climate

To phase out emissions from seaport-related activities by 2050 or sooner, in partnership with The Northwest Seaport Alliance.

Cost Range

Low = <\$100K

Medium = \$100k-500k

High = >\$500k

Co-Benefits



Air quality



Health



Pollution reduction



Energy conservation



Operational cost savings



Reduced congestion



Fish & wildlife



Partnerships



Water quality

Example page
for focus area:
Clean Air &
Climate

	2023	2024	2025	2026	2027 +	Cost Range	Co-Benefits
Strategy: Install infrastructure needed to support adoption of zero-emission technologies							
Action: Complete the South Harbor Electrification Roadmap						Medium	
Action: Install EV charging stations on Port properties						High	
Port administration building (One Sitcum Way)							
Port maintenance building							
Port terminal EB-1							
Port North Intermodal Yard							
Strategy: Transition Port fleet to zero-emission vehicles by 2050							
Action: Complete Sustainable Fleet Plan						Low	
Action: Purchase zero-emission vehicles						High	
Strategy: Increase energy efficiency/clean energy usage in existing Port buildings and facilities							
Action: Complete a Sustainable Building Policy						Low	
Action: Conduct energy audits/assessments of Port-owned buildings						Low	
Action: Make emergency efficiency improvements at Port-owned buildings						Medium	
LED lighting upgrades at Fabulich Center							
LED lighting upgrades at Maintenance yard							
Strategy: Install and require shore power usage at international container terminals							
Action: Install shore power at Husky Terminal						High	
Action: Require capable vessels to connect to shore power						Low	
Action: Design shore power at Washington United Terminal						Low	

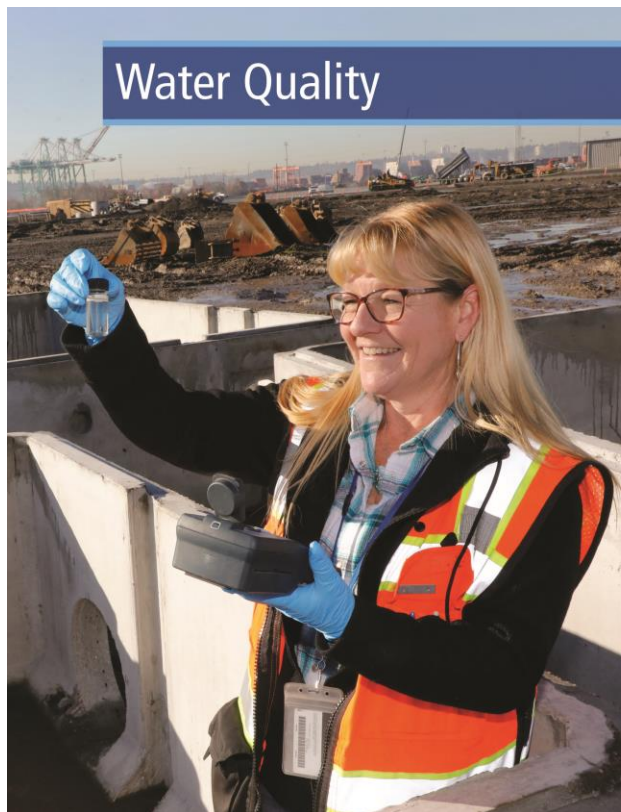
Environmental Programs Overview Booklet

- Following up on the success of the in-person Environmental Programs overview presentations we have done over the past year.
- An environmental programs overview booklet is being developed to provide another communication tool for meetings and community events.



Environmental Programs Overview Booklet

- This booklet will provide a high-level overview of the Port's environmental programs and focus areas.
- It will also include a fold-out (11"x17") map showing the location all of the environmental actions the Port/NWSA has taken in the Tideflats.



The Port takes proactive approaches to ensure that stormwater runoff from Port operations is contained, and does not damage the salmon habitat of our waterways.

We invest in projects improve the quality of stormwater runoff from Port properties, embodying best practices and empower our tenants to comply with complex permits.

We maintain stormwater pipes and catch basins, test new types of filtration media, install treatment systems on Port properties, and assist tenants with recommendations for treatment solutions.

We also perform source control inspections to help tenants and Port operations prevent sources of contaminants from leaving their sites via stormwater conveyance (e.g., pipes, ditches, or gutters).

What is Stormwater Runoff?

Stormwater is rain and snow melt that runs off rooftops, paved streets, highways, and parking lots. As it runs off, it picks up pollution like oil, fertilizers, pesticides, soil, trash, and animal manure. Most stormwater is not treated, even when it goes into a street drain. It flows downstream directly into streams, lakes, and marine waters. Stormwater runoff is the leading threat to Washington's urban waters.

*The Port's West Hylebos
log yard stormwater
system received national
recognition for its
innovative, cost efficient
design, using natural filters
such as plants, rocks and sand.
The system ensures that COD
(chemical oxygen demand)
levels stay low so that the water
has the oxygen necessary
for fish.*

Environmental Programs Overview Booklet

Summary of Environmental Actions

Air Quality & Climate

- 1 Electric Yard Trucks at South Intermodal Yard
- 2 Shore power at Husky Terminal
- 3 Shore power at TOTE Terminal

Habitat Restoration

- 1 APM Seaplane Ramp
- 2 Dick Gilmer Kayak Launch & Shoreline Restoration
- 3 EB-18 Alexander Avenue Wetland Restoration
- 4 Fairliner
- 5 Gog-je-hi-te Wetland Complex
- 6 Inner Hylebos Peninsula
- 7 Julia's Gulch
- 8 Lower Clear Creek
- 9 Lower Wapato Creek
- 10 Milwaukee Waterway
- 11 Mowitch NRDA
- 12 Orting Habitat Preservation Area (not on map)
- 13 Outer Hylebos
- 14 qa'qalak'Walcwu? (Place of Circling Waters)
- 15 q'Wiq'Wolut (Little Marsh)
- 16 Slip 5 Habitat Site
- 17 Sound Refining Cove
- 18 Upper Clear Creek

Remediation Actions

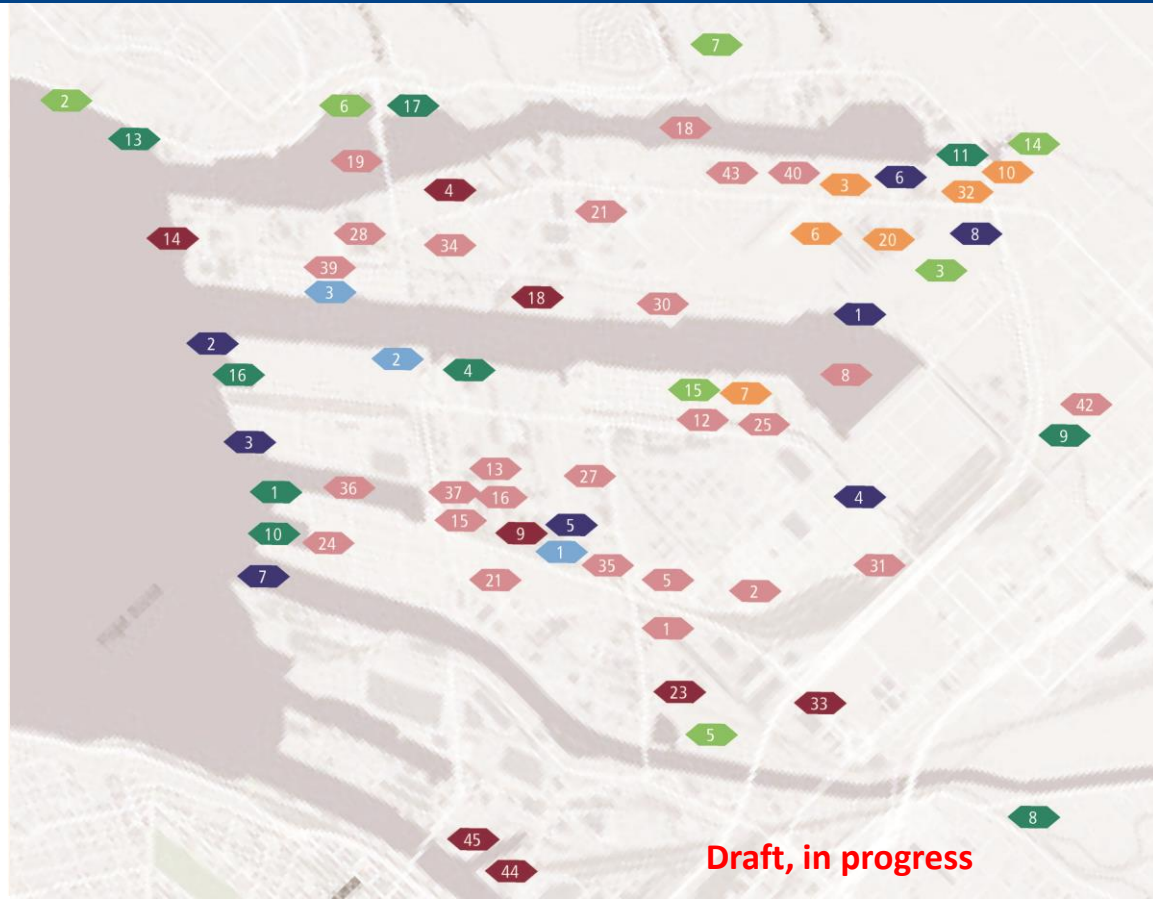
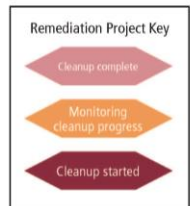
- 1 1980 1/2 Milwaukee Way
- 2 2114 Marshall Avenue East
- 3 Arkema (Dunlap Mound)
- 4 Arkema Manufacturing
- 5 AWC

- 6 Blair Backup Property
- 7 Blair Terminal
- 8 Blair Waterway
- 9 Brown & Haley / Sound Mattress & Felt
- 10 Calbag
- 11 Can-Am
- 12 Cascade Timber No. 3 (WUT Terminal)
- 13 Cole
- 14 Earley Business Center
- 15 Fire Station #12
- 16 Fisher Five
- 17 GCP Terminal Area - Slip 1
- 18 Hylebos Waterway (Head)
- 19 Hylebos Waterway (Mouth)
- 20 Kaiser Aluminum Property
- 21 Lincoln Ave Ditches
- 22 Maersk Gate CFS
- 23 Marc St. Tringale; Darling International
- 24 Milwaukee Waterway
- 25 Murray Pacific No. 2 (WUT Terminal)
- 26 North Boundary Area
- 27 Old Union Pacific Property
- 28 Parcel 104
- 29 Parcel 15 - Former Portac
- 30 Parcel 2
- 31 PCT
- 32 Pony Lumber
- 33 Port Monument
- 34 PQ Corporation
- 35 Revchem
- 36 Sitcum Waterway
- 37 Sizemore
- 38 Steam Plant
- 39 TOTE


- 40 TWAAFA-Hylebos/TPU Marsh
- 41 TWAAFA-Potter Property LLC
- 42 TWAAFA-Prologis
- 43 US Gypsum/Carlie
- 44 Watkins
- 45 Wattles
- 46 Wypenn

Water Quality

- 1 East Blair Terminal
- 2 North Intermodal Yard
- 3 Olympic Container Terminal
- 4 Pierce County Terminal
- 5 South Intermodal Yard
- 6 West Hylebos Log Yard
- 7 West Sitcum Terminal
- 8 WWL Auto Terminal



Port of Tacoma Bridge and Road Priorities



Port of Tacoma

Finish what we started

The Port encourages the state to “finish what we started” by completing critical freight route efficiency and connectivity projects included in the *Connecting Washington* and *Move Ahead WA* transportation packages – and the Ports’ Strategic Plan. Specifically:

- the on-time completion **State Route 167**; and
- the appropriation in the 2023/25 biennium of the \$35 million in state funding included in *Move Ahead WA* for the City of Fife’s **Interstate 5/Port of Tacoma Road Interchange** project.

Fishing Wars Memorial Bridge

The Port supports the City of Tacoma in their efforts to complete replacement of the **Fishing Wars Memorial Bridge**. The bridge is made up of seven steel-truss spans linked by reinforced concrete sections. The City replaced three sections in 2019 and is making plans to replace the four remaining segments.

Portland Avenue and Tacoma Harbor (PATH) improvements

The Port has identified a series of smaller-scale projects that are in various stages of design and funding along the Portland Avenue corridor and throughout the Tideflats that—taken together—would improve freight movements. These include:

- Portland Avenue Freight Access Improvements**
This project would make pavement, signal and fiber improvements and carry out needed bridge repairs along Portland Avenue between Lincoln Avenue and East 27th Street.
- Lincoln Avenue/Portland Avenue Intersection Improvements**
Address traffic operations and truck turning maneuvers within the intersection.
- Fishing Wars Memorial Bridge-Milwaukee Way/Pacific Avenue Intersection Improvements**
Address traffic operations and truck turning maneuvers at the intersection, thereby improving the viability of Milwaukee Way as a truck route, improving mobility and resiliency across the Puyallup River and to Interstate 5.
- 54th Avenue/Taylor Way/SR 509 Intersection Improvements**
Adding a second left-turn lane to northbound 54th Street would improve the level of service of the intersection.

Secondary regional priorities (not shown on map)

While the above listed projects are the Port’s primary bridge and road priorities for the Tacoma Tideflats, other regional projects would also benefit freight mobility to and from the Port. These include the **Canyon Road Regional Connection**, the **Interstate 5 Nisqually River Bridge** replacement and the **Triangle Project** in Federal Way.

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Questions & Discussion



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