

Ocean Acidification Action Plan

A Commitment to the International Alliance to Combat Ocean Acidification

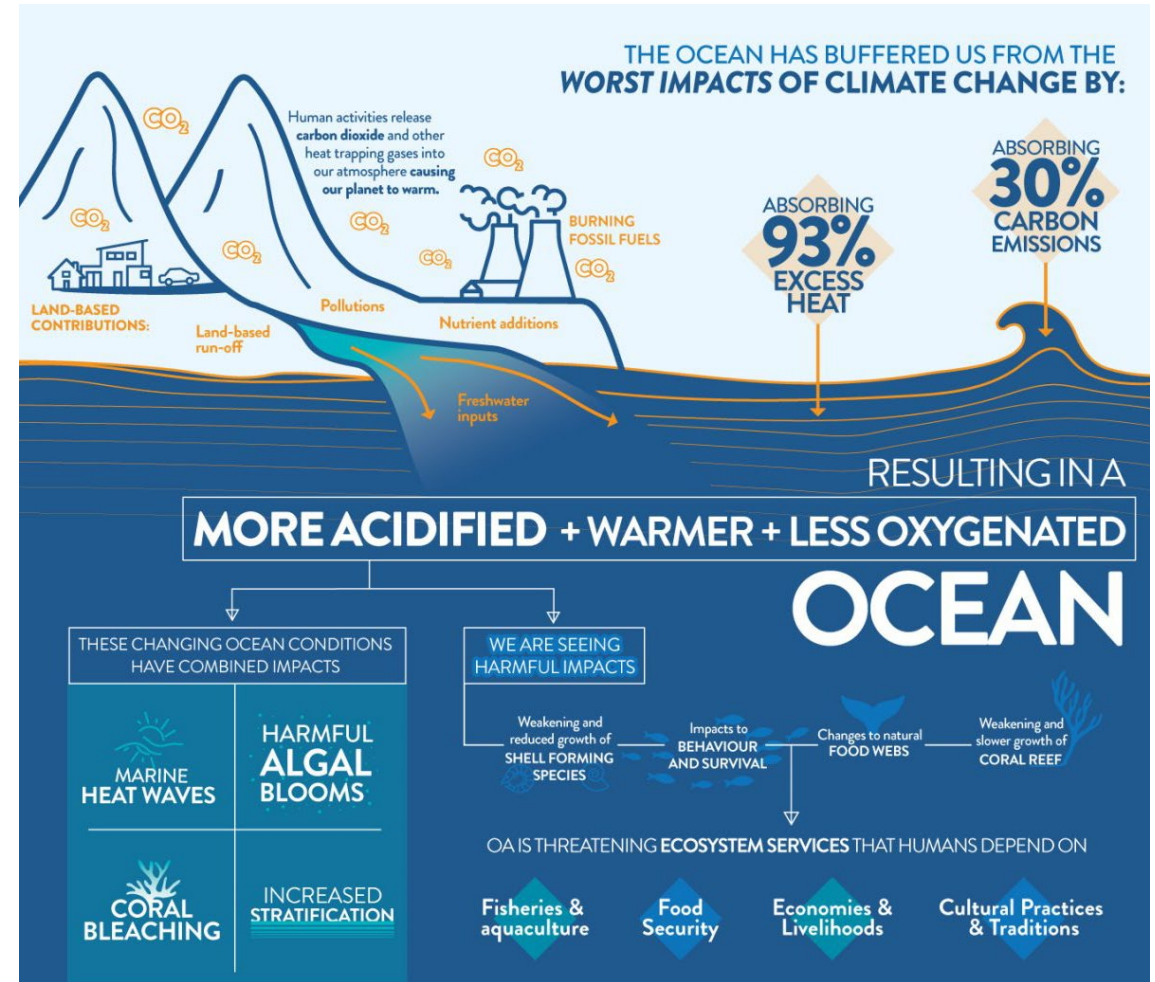
Commission Briefing

July 13, 2021



Overview

- Provide an overview of the Ocean Acidification (OA) Action Plan and Case Study
- Key elements in the action plan
- Summary of Port-wide efforts on OA
- Recommendations
- Next steps



About the Action Plan



- Plan summarizes existing Port-wide initiatives addressing OA
- Concludes with *voluntary* recommendations to advance OA work at the Port
- First Port to join the International Alliance to Combat Ocean Acidification (the Alliance)
- Development of an action plan is a requirement for Alliance membership

OA Goals and Associated Port Initiatives



Reduce atmospheric emissions of CO2

- Century Agenda
- Northwest Ports Clean Air Strategy
- Charting the Course to Zero: Port of Seattle's Maritime Climate and Air Action Plan
- Seattle Waterfront Clean Energy Strategic Plan
- Renewable Natural Gas Agreement
- Use of electric ground support equipment
- Options for greener transportation to and from SEA
- Ground power for aircrafts
- Sustainable aviation fuel (part of Sustainable Airport Master Plan)



Advance scientific understanding of climate-ocean impacts, locally and globally

- Habitat Restoration Program Initiatives
- Smith Cove Blue Carbon Pilot Project
- Duwamish River Floating Wetlands Projects

OA Goals and Associated Port Initiatives



Reduce local pollution that exacerbates OA

- Stormwater initiatives
- Cruise Exhaust Gas Cleaning System Discharge Ban at Berth



Protect the environment and coastal communities

- Habitat restoration, such as the Mitigation Bank, Alternative Bankline Stabilization Program
- Salmon Safe Program
- Floating wetlands

OA Goals and Associated Port Initiatives



Expand public awareness

- Duwamish Valley Community Benefits Commitment
- Green Jobs Program



Sustain international support

- Commitment to join the OA Alliance
- Presentations at OA Alliance events
- Northwest Ports Clean Air Strategy

Existing Port Programs that Support OA Goals

Initiative	Goal 1 (Reduce CO2)	Goal 2 (Advance Science)	Goal 3 (Reduce local pollutants)	Goal 4 (Protect envr)	Goal 5 (Public awareness)	Goal 6 (Int'l support)
Century Agenda	•	•	•	•	•	
Northwest Port Clean Air Strategy	•	•	•	•		•
Maritime Climate and Air Action Plan	•	•	•	•	•	
Seattle Waterfront Clean Energy Strategic Plan	•			•		
Sustainable Aviation Fuels	•		•			
SEA Emissions Reduction Initiatives	•		•		•	
Habitat Restoration Program Initiatives		•	•	•	•	
Smith Cove Blue Carbon Pilot Project		•	•	•	•	
Duwamish River Floating Wetlands Projects		•			•	
Stormwater Initiatives		•	•	•	•	
Exhaust Gas Cleaning Discharge Ban			•	•		
Alternative Bankline Stabilization Program			•	•		
Duwamish Valley Community Benefits Commitment				•	•	
Duwamish River Green Jobs Program				•	•	

Voluntary Recommendations

1. Expand public awareness of OA & Port actions
2. Integration of OA into relevant community engagement efforts
3. Continue implementation of existing efforts to combat OA
4. Continue exploring opportunities for additional studies on carbon sequestration and associated OA benefits
5. Initiate an Elliott Bay kelp restoration limiting factors analysis
6. Incorporate OA metrics into future habitat restoration monitoring plans



Next Steps

- Submit the OA Action Plan and case study to the OA Alliance for publication on their website
- Public communications aligned with the July 2021 Smith Cove oyster enhancement event and kelp expedition
- Planning for implementation of recommendations
- Pursue opportunities to amplify the work the Port and others are undertaking on OA, for example with the Seattle Aquarium, state-level kelp initiatives