Environmental and Sustainability Repository of AAPA Member Port Authorities

Featured Port Authorities:

UNITED STATES

- Port of Alaska
- Port of Albany
- Port of Anacortes
- Port of Bellingham
- Port of Brownsville
- Port of Calhoun
- Port of Cleveland
- Port of Coos Bay
- Port of Corpus Christi
- Port of Davisville
- Duluth Seaway Port Authority
- Port of Everett
- Port of Everglades
- Port of Fourchon
- Port of Galveston
- Georgia Port Authority
- Port of Grays Harbor
- Port of Green Bay
- Port of Hueneme
- Port of Chicago/Illinois Int'l Port District
- Port of Indiana
- Port of Lake Charles
- Port of Long Beach
- Port of Longview
- Port of Los Angeles
- Maine Port Authority
- Port of Miami
- Port Milwaukee
- Port of NOLA
- Port Authority of NY/NJ
- Northwest Seaport Alliance
- Port of Oakland
- Port of Pensacola
- PhilaPort
- PortPitt
- Port of Portland
- Port of Redwood City
- Port of San Diego
- Port of San Francisco
- South Jersey Port Corporation
- Port of Seattle
- Port of Stockton
- Port of Tampa Bay
- Utah Inland Port Authority
- Port of Vancouver USA
- Virginia Port Authority

CANADA

- Port of Belledune
- Port Montreal
- Port Saint John
- Prince Rupert Port Authority
- Quebec Port Authority
- Saguenay Port Authority
- St. Johns Port Authority

CARRIBEAN & LATIN AMERICA

- Port Authority of Trinidad and Tobago
- Asipona Ensenada
- Asipona Lazaro Cardenas
- Autoridad Maritima de Panama
- Empresa Portuaria Nacional de Nicaragua
- Docas do Rio De Janeiro
- Porto de Santos
- Portos do Parana
- Portos de Imbituba
- Puerto Dock Sud
- Puerto de Bahía Blanca
- Administración
- Nacional de Puertos
- Empresa Portuaria San Antonio
- Autoridad Portuaria Nacional

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Executive Summary

AAPA surveyed members of its Environment Committee and researched publicly available reports to compile this repository of environmental and sustainability initiatives and reports at port authorities. The findings include the reports and studies of 46 U.S. port authorities, seven Canadian port authorities, and fifteen Caribbean and Latin American port authorities. The enclosed reports cover topics including air quality, water quality, electrification, combatting climate change, efficient operations and management, and more.

This repository will be a living document, as all Environment Committee members are welcome to add their own port authority's work that is not yet included and update existing documents that may be out of date. The aims of this repository include the following:

Identifying Best Practices: The repository helps identify the most effective strategies and practices implemented by seaports to promote sustainability. By understanding what measures are successful, other ports can learn from these best practices and implement similar initiatives.

Encouraging Collaboration: The repository fosters collaboration among seaports. It allows them to share information, exchange ideas, and collaborate on innovative solutions. By learning from each other's experiences, seaports can collectively work towards reducing their environmental impact.

Policy Development: The repository can inform policy development at local, regional, and national levels. Governments and regulatory bodies can use the data to understand the current practices in the industry, assess the effectiveness of existing policies, and design new regulations that promote sustainable practices in seaports.

To add new information about your port authority or update included information, please contact AAPA's Manager of Energy, Resilience, and Sustainability, Ian Gansler, at igansler@aapa-ports.org.

United States

Port of Alaska
Website Link: https://www.portofalaska.com/

Key Environmental Initiatives:
- Storm Water Management
- Renewable Energy and Resilience Research
- Environment-Conscious Design, Construction Noise Reduction, and Mammal Monitoring

Provided Reports:
- 2021 Annual Report

External Studies:
- NOAA -- Port of Alaska Modernization Program South Floating Dock Project: Application for a Marine Mammal Protection Act Incidental Harassment Authorization

Port of Albany
Website Link: https://www.portofalbany.us

Key Environmental Initiatives:
- Green Marine Environmental Program

Port of Anacortes
Website link: https://www.portofanacortes.com

Overview:
- Environmental Stewardship

Key Environmental Initiatives:
- Ambient Monitoring
- Stormwater Pollution Prevention
- Clean Marina
- SEPA
- Environmental Leadership
- Clean up and habitat restoration sites
- Green Marine

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Port of Bellingham

Website link: https://www.portofbellingham.com

Overview:
- Environmental Programs

Key Environmental Initiatives:
- Cleanup
- Environmental Stewardship
- Habitat Restoration
- SEPA
- Stormwater Management
- ECAP
- Climate Change
- E.V. Charging Stations
- Renewable Energy

Port of Brownsville

Website link: https://www.portofbrownsville.com

Key Environmental Initiatives:
- Conservation of Regional Ecosystem

Port of Calhoun

Website link: http://www.calhounport.com

Important Links:
- Carbon Neutral Port Expansion

Port of Cleveland

Website link https://www.portofcleveland.com

Key Environmental Initiatives:
- Cleanup Cleveland

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Port of Coos Bay
Website link https://www.portofcoosbay.com

Overview:
- Environment Overview

Key Environmental Initiatives:
- Policies
- Projects
- Programs

Port of Corpus Christi
Website Link: https://portofcc.com/

Key Environmental Initiatives:
- Environmental Management System
- Environmental Policy - Updated March 2022
- Waterborne Trash Collection – April 2020

Provided Reports:
- 2020 Air Emissions Inventory

External Studies/Research Projects:
- Greenhouse Gas Emissions Storage Beneath the Seafloor – 2023 (ongoing)

Port of Davisville
Website link: https://www.provport.com/waterson/waterson.html

Overview:
- Environment

Duluth Seaway Port Authority
Website link: https://duluthport.com

Overview:
- Environment and Sustainability

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Port of Everett

Website link: https://www.portofeverett.com/index.php

Overviews:
- Environment Cleanup
- Climate change strategy
- Air quality & protection
- Water quality & protection
- Waste management

Key Environmental Initiatives:
- Remediating historic contamination
- East waterway cleanup
- TC systems clean up
- Puget sound air emissions forum
- Seabin

Port Everglades

Website link: https://www.porteverglades.net/

Overviews:
- Environment
- Air quality
- Coral reefs
- Partnerships
- Sustainable facilities
- Water
- Wetlands conservation
- Wildlife

Port Fourchon

Website link: https://portfourchon.com/

Overviews:
- Our Environment
- Coastal Wetlands Park
- Outdoor Recreation
- Green Marine

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Port of Galveston

Website link: https://www.portofgalveston.com/

Overviews:
- About us
- Environmental

Georgia Ports Authority

Website link https://gaports.com/

Overview:
- Community and Sustainability

Port of Grays Harbor

Website link: https://www.portofgraysharbor.com/

Overview:
- Environmental

Port of Green Bay

Website link: https://www.portofgreenbay.com/

Overview:
- Environmental

Port of Hueneme/Oxnard Harbor District

Website Link: https://www.portofhueneme.org/

Key Environmental Initiatives:
- Environmental Framework and Strategic Implementation Plans
- Zero Emission Ship-to-Shore Freight Project
- At-Berth Regulations
- Other Environmental Initiatives:
  - PHRESH – Port of Hueneme, Reducing Emissions, Supporting Health
  - HERO Class and Solar-Hybrid Vessels
- Shore Power Project

External Studies
- EPA – Port of Hueneme Air Quality Monitoring Program

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Port of Chicago/Illinois Int'l Port District
Website Link: https://www.iipd.com/

Key Environmental Initiatives:
- Master Plan featuring Environmental Strategy

Ports of Indiana
Website Link: https://www.portsofindiana.com/

Key Environmental Initiatives:
- Community Engagement and Projects

Port of Lake Charles
Website Link: http://portlc.com/

Key Environmental Initiatives:
- Gulf Offshore Wind Power
- Partnership with Crowley Marine and Entergy Louisiana for Shore Power

Port of Long Beach
Website link: https://polb.com/

Environment Overview
- Air policy
- Water & land policy
- Clean trucks policy
- Energy initiatives
- Shore power
- Climate change policy
- Zero emissions future
- Environmental documents/Ceqa
- Clean air action plan

Port of Longview
Website link: https://www.portoflongview.com/

Overviews:
- Environmental
- Water quality
- Air quality

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- Waste and material re-use
- Energy and climate
- Projects and planning

Port of Los Angeles
Website link: https://www.portoflosangeles.org

Overviews:
- Environment
- Air quality
- Water and sediment quality
- Biological resources
- Site restoration and hazmat services
- Sustainability
- Environmental documents
- Environmental management policy
- ISO 14001enivonmental management system

Maine Port Authority
Website Link: https://www.maineports.com/

Key Environmental Initiatives and Reports:
- Offshore Wind Port Advisory Group
- Maine Climate Council Report
    - Includes information on offshore wind infrastructure at Maine's ports

Port of Miami
Website Link: https://www.miamidade.gov/portmiami/

Key Environmental Initiatives:
- Port Sustainability Goals and Initiatives
    - Off-shore mitigation
    - Energy Savings
    - Emissions Control
    - LEED Certification
- NetZero Program – Resiliency and Supply Chain Improvements

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Port Milwaukee

Website Link: https://portmilwaukee.com/port

Key Environmental Initiatives:
- StewardSHIP Initative

Provided Reports:
- 2022 Annual Report featuring Environmental Commitments and Statistics

Port of NOLA

Website Link: https://portnola.com/

Key Environmental Initiatives:
- Environmental Policy
- Port Inner Harbor Economic Revitalization Plan (PIER Plan)
- Clean Truck Replacement Incentive (Clean TRIP)
- Sustainable Development Program Page
- EPA New Orleans Community-Port Collaboration Pilot Program

Provided Reports:
- Green Supply Chain Report

External Studies:
- Climate Action for a Resilient New Orleans – Transportation Chapter
- ESRI – Port NOLA Geographic Information System Case Study

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Port Authority of NY/NJ

Website Link: https://www.panynj.gov/port/en/index.html

Overview:
- Sustainability Goals as of October 2021

Key Environmental Initiatives:
- Environmental Management System
- Clean Vessel Incentive Program
- Truck Replacement Program
- Drayage Truck Registry

Provided Reports:
- Air Emissions Inventories and Related Studies (Last Updated in 2021)
- PortTruckPass Comprehensive Report - updated monthly

External Studies:
- Port Electrification Case Study - 2023 (ongoing)
- Climate Change Adaptation and Sustainable Designs at the Port Authority of NYNJ – 2011
- Port of New York and New Jersey Drayage Electrification Analysis, National Renewable Energy Laboratory – 2022

Northwest Seaport Alliance

Website Link: https://www.nwseaportalliance.com/

Key Environmental Initiatives:
- Clean Air Program
- Northwest Ports Clean Air Strategy
- Clean Truck Program
- Shore Power Program
- Protecting Water Quality
- Sustainable Practices

Provided Reports:
- Shore Power Infrastructure

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Port of Oakland

Website Link: https://www.portofoakland.com/

Key Environmental Initiatives:
- Environmental Statement
- Maritime Air Quality
- Clean Waters Program
- Shore Power Program

Provided Reports:
- Seaport Air Emissions Inventories

External Studies:
- Environmental Science Associates – Port of Oakland Seaport Air Quality Planning

Port of Pensacola

Website Link: https://www.cityofpensacola.com/683/Port-of-Pensacola

Overview:
- Environmental Overview and Green Marine 2023 Results

PhilaPort

Website Link: https://www.philaport.com/

Overview:
- Environmental Stewardship

Key Environmental Initiatives:
- Dray Truck Replacement Program
- Philadelphia Wholesale Produce Market Recycling Program

PortPitt

Website Link: https://www.portpitt.com/

Provided Reports:
- FY 2020-21 End of Year Report

External Reports:
- Waterways Council – The Port of Pittsburgh: Impact, Opportunities, and Challenges
  - Features Energy Reports, Environmental Impact and Compliance, and Electrification Information

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Port of Portland

Website Link: https://www.portofportland.com/

Key Environmental Initiatives:
- Environment Homepage
  - Green Transportation
  - Alternative Fuels
  - Cleaner-Burning Fuels
  - Energy and Carbon Management
  - Land Quality and Waste Management
  - Wildlife Hazard Management
  - Mitigation Management Program
  - Water Conservation
  - Stormwater Management
  - PDX Deicing Treatment

Provided Reports:
- Environmental Annual Report (FY21-22)
- Sustainability Fact Sheet
- Mitigation Management Program Site Status Report (2021-22)
- Vegetation Management Plan 2021

Port of Redwood City

Website Link: https://www.redwoodcityport.com/

Key Environmental Initiatives:
- San Mateo Countywide Water Pollution Prevention Program
- Pumpout Guide for Boaters

Provided Reports:
- Environmental Stewardship Fact Sheet

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Port of San Diego

Website Link: https://www.portofsandiego.org/

Overviews:
- Energy Overview
- Clean Transportation
- Maritime Environment
- Natural Resource Management
- Protection, Restoration, and Enhancement

Provided Reports:
- Climate Action Plan (2013)
- Sea Level Rise Vulnerability Assessment and Coastal Resiliency Report (2019)
- Environmental Championship Year in Review (2019)
- Maritime Emissions Inventory (2016)

Key Environmental Initiatives:
- Maritime Clean Air Strategy
- Green Business Network
- Blue Economy Incubator and Blue Technology Program
- Copper Reduction Program
- Soil and Sediment Remediation
- Stormwater Management Program
- Environmental Education Program

Port of San Francisco

Website Link: https://sfport.com/

Overviews:
- Sustainability

Provided Reports:
- Strategic Plan (2021-2025)
- Environmental Sustainability Waterfront Plan Update (2016)

Key Environmental Initiatives:
- Waterfront Resilience Program
- Stormwater Public Outreach and Education Program
- Sewer System Management Plan
- The Greenagers Community Program

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South Jersey Port Corporation

Website Link: https://www.southjerseyport.com/

Key Environmental Initiatives:
- Green Ports Initiatives
- All-Electric Terminal Tractor – Press Release
- Green Energy Lighting Project -- Press Release
- Offshore Wind Energy Brochure

Provided Reports:
- 2021 Annual Report featuring Electrification Plans

Port of Seattle

Website link: https://www.portseattle.org

Overview:
- Mission Statement
- Port Programs and Projects

Environment and Sustainability Initiatives:
- Clean up
- Climate and air quality
- Energy efficiency
- Environmental overview
- Habitat and natural recourses
- Waste reduction and recycling
- Water quality and water conservation
- Wildlife management
- Solar power at the port

Provided and External Reports:
- Measuring Greenhouse Gas Emissions at Port of Seattle
- Charting the Course to Zero: Port of Seattle's Maritime Climate and Air Action Plan
- Exploring a Green Corridor to Alaska

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Port of Stockton

Website Link: https://www.portofstockton.com/

Overviews:
- Environment
- Air Quality
- Water Quality
- California Environmental Quality Act (CEQA) Documents
- Wildlife

Provided Reports:
- Green Marine Results (2020)
- Air Emissions Inventory (2020)
- Water Monitoring Data
- Low & Zero Emission Fuel Options for the Port of Stockton
- The Blue Economy and the Port of Stockton

Key Environmental Initiatives:
- Decarbonizing California Ports START Project (Ports of Oakland and Stockton)

Port Tampa Bay

Website link: https://www.porttb.com/

Overview:
- Environmental

Utah Inland Port Authority

Website link: https://inlandportauthority.utah.gov/

Overviews:
- Northwest Quadrant Sustainability Action
- Happening Now
- Sustainability Spotlight

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Port of Vancouver USA

Website link https://www.portvanusa.com/

Overviews:

- Environmental
- Habitat Management
- Clean air
- Climate action plan
- Water Quality
- Cleanups
- SEPA

Virginia Port Authority

Website link: https://www.portofvirginia.com/

Overview:

- Environmental

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Canada

Port of Belledune
Website link: Canada's Green Energy Hub | Port of Belledune (portbelledune.ca)

Key Environmental Initiatives:
- Green Energy Hub
- Environmental Leadership

Port Montreal
Website link https://www.port-montreal.com/en/

Overview:
- Environmental

Port Saint John
Website link: Port Saint John - Positioned for Performance in Atlantic Canada. (sjport.com)

Overviews:
- Emissions and energy
- Waste and spill prevention
- Partnerships
- Policies and Procedures

Provided Reports:
- Sustainability Report

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Prince Rupert Port Authority

Website link: https://www.rupertport.com/

Overviews:
- Environmental Stewardship
  - Environmental stewardship certification

Key Environmental Initiatives:
- Healthy Ecosystems:
  - Aquatic invasive species
  - Marine mammal programing
  - Shore zone and shoreline habitat protection
  - Water Quality
- Air and Climate:
  - Air quality
  - Dust fall monitoring
  - Noise monitoring
  - Environmental program

Provided Reports:
- Emissions inventory and reduction

Quebec Port Authority

Website link https://www.portquebec.ca/en/

Overviews:
- We're committed
- Sustainable Development
- Environmental Policy
- Green Marine

Key Environmental Initiatives:
- Ecocargo Program

Saguenay Port Authority

Website link: Port of Saguenay (portsaguenay.ca)

Overviews:
- Green Marine Certified
- Sustainable Development

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St. Johns Port Authority

Website link: St. John's Port Authority (sjpa-apsj.com)

Overview:
- Environmental Stewardship

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Caribbean and Latin America

Port Authority of Trinidad and Tobago
Website link https://www.patnt.com/index.php

Overview:
- Health Safety and Environment - Port Authority of Trinidad and Tobago (patnt.com)

Asipona Ensenada
Website link: https://www.puertoensenada.com.mx/espi/0000001/inicio

Overview:
- Green port

Asipona Lazaro Cardenas
Website link: https://www.puertolazarocardenas.com.mx/plc25/contacto

Overviews:
- Clean industry
- Port environmental policy
- Quality, environment, safety, and health at work

Autoridad Maritima de Panama
Website link: https://arap.gob.pa/

Overviews:
- Environmental unit

Empresa Portuaria Nacional de Nicaragua
Website link: https://www.epn.com.ni/index.php

Overview:
- Good environmental practices PDF

Companhia Docas do Rio De Janeiro
Website link: https://www.portosrio.gov.br/

Overviews:
Sustainability
- Environmental management instruments
- Environmental data
- Other environmental data

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Porto de Santos
Website link: https://www.portodesantos.com.br/
Overview:
- [Sustainability](#)

Portos do Parana
Website link: https://www.portosdoparana.pr.gov.br/

Overviews and Key Environmental Initiatives:
- [Environment and safety](#)
- [Environmental control](#)
- [Atmospheric emissions management](#)
- [Solid waste management](#)
- [Vector proliferation control program](#)
- [Effluent management program](#)
- [Environmental recoveries program](#)
- [Degraded recoveries program](#)
- [Environmental monitoring](#)
- [Noise Emission Monitoring](#)
- [Water Quality Monitoring](#)
- [Monitoring of Fishing Activity](#)
- [Aquatic Biota Monitoring](#)
- [Sediment Quality Monitoring](#)
- [Groundwater Monitoring](#)
- [Ballast water monitoring](#)
- [Mangrove Monitoring](#)

Portos de Imbituba
Website link https://portodeimbituba.com.br/

Overviews and Provided Reports:
- [Health, Safety, and Environment Management](#)
- [Environmental Control Plan'](#)
- [Port Security Plans](#)
- [Environmental Agenda](#)
- [Agreements and partnerships](#)
- [Environmental Studies](#)
- [Golden Rules](#)
- [Actions against COVID-19](#)

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Puerto Dock Sud

Website Link: https://www.puertodocksud.com/

Key Environmental Initiatives:
- Certification of UN SDGs

Puerto de Bahía Blanca

Website Link: https://puertobahiablanca.com/

Overviews:
- Environment

Provided Reports:
- Water Quality Environmental Measurements
- Documentation and Certificates

Key Environmental Initiatives:
- Rescue Station

Administración Nacional de Puertos (A.N.P.)

Website Link: https://www.anp.com.uy/

Overviews:
- Environmental Management

Provided Reports:
- Port of Montevideo Environmental Report for 2021

Empresa Portuaria San Antonio

Website Link: https://www.puertosanantonio.com/

Overviews:
- Sustainability Policy
- Education and Culture
- Environment and Health
- Key Sustainability Indicators

Key Environmental Initiatives:
- Sustainability in Action
- North Coastal Border Walk

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Autoridad Portuaria Nacional

Website Link: https://www.gob.pe/apn

Provided Reports:
- Statistics – Historical Figures APN Environment
- Quality Monitoring Formats