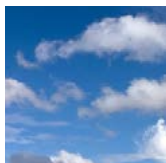


Environmental Objectives and Targets

2016-2017



Each year the Port of Portland sets objectives and targets to meet goals in five environmental program areas: air quality, energy management, natural resources, water resources and waste minimization. We use this process to set goals, track progress and measure our success. Program managers, operational staff and other stakeholders develop either annual targets, or actions in support of multi-year targets that minimize our environmental footprint. This is part of the Port of Portland's Environmental Management System framework designed to continuously and systematically improve our environmental performance, integrating responsible environmental stewardship into operations on a daily basis. We are pleased to announce 20 new and ongoing targets and actions for the 2016-17 fiscal year. Unless otherwise specified, targets and actions are due to be completed by June 30, 2017.



Air Quality

Objective: Minimize impacts to air quality

The Air Quality Program facilitates implementation of the Port's Air Quality Policy, which has a primary goal of promoting clean air for all who live in airsheds affected by Port activities. To do this, the Port utilizes emissions inventories and aspect/impact analyses of its planned and actual activities that have, or can have, a significant impact on the airshed. Recognizing that not all emission sources are under the Port's direct control, the Port seeks opportunities to improve air quality by facilitating and encouraging partnerships, education and outreach to assist customers, tenants and other stakeholders in reducing marine and aviation-related emissions. The Port supports efforts of the International Maritime Organization and International Civil Aviation Organization to set global standards to reduce emissions from marine vessels and aircraft.

FY 2016-17 Targets

Reduce diesel particulate matter by 75% from Port-controlled operations from 2000 baseline levels by 2020. This is a multi-year target.

The Port has reduced diesel particulate matter emissions by 73% from Port-owned and controlled equipment. To reach our ultimate goal of 75% reduction, two future projects are proposed: 1) Replace the Port's Tug Williams in 2-3 years; 2) Replace the dredge handling dozer in 2-3 years; and 3) Repower or replace the Port's Tug Clackamas in 3-4 years. This year's action will identify and report on external funding opportunities and prepare an application for funding, as appropriate, to support proposed repower and replacements.

Reduce Port direct and indirect Greenhouse Gas (GHG) emissions 15% below 1990 levels by 2020. This is a multi-year target.

The Port will continue to meet this target by completing planned energy efficiency improvements and through the purchase of certified Renewable Energy Credits equal to 100% of Port-wide electric energy usage.

Participate in the Airports Council International (ACI) Airport Carbon Accreditation Program to achieve Level III (Optimization) by 2018 and Level III+(Neutralization) by 2035 for Portland International Airport (PDX), Hillsboro Airport (HIO), and Troutdale Airport (TTD). This is the second year of a multi-year target.

This year's action will be to achieve Airports Council International (ACI) Airport Carbon Accreditation Level III (reduction) for PDX, HIO, and TTD, including registration, preparation of inventory, and independent third-party verification. This will include a carbon management assessment in preparation for carbon neutrality.

Advocate for unleaded fuel use for appropriate aircraft at HIO by completing an unleaded fuel study and working with HIO fueling companies to initiate an unleaded fuel program facilitated through existing Airport Minimum Standards. This is the second year of a multi-year target.

The Port will assess unleaded fuel use at HIO, report findings and communicate the results to the community and interested stakeholders.

Reduce emissions from marine and aviation-related sources not under the Port's direct control, including Port customers, tenants and other stakeholders. This a multi-year target.

The Port of Portland will work with City of Portland, Multnomah County, Metro and Department of Environmental Quality to explore the feasibility of developing an effective, implementable and uniform clean diesel construction specification that could be voluntarily adopted by participating jurisdictions in the Portland metropolitan region.

Reduce aircraft-related GHG emissions at PDX by 25% from 2010 levels by 2035. This is a multi-year target.

The Port will support an aviation industry clean fuel program by working to ensure PDX fuel delivery infrastructure can accommodate airlines' needs and interests for using sustainable biofuels in aircraft fueling at PDX. In addition, the Port will prepare a Voluntary Airport Low Emissions (VALE) Program grant application to support the installation of preconditioned air at 27 jet bridges to eliminate aircraft APU emissions.



Energy Management

Objective: Reduce energy consumption and carbon emissions

The Port developed the Energy and Carbon Management Master Plan to reduce energy consumption and carbon emissions. The plan aligns closely with the Air Quality program and presents a six point strategy for reaching the Port's GHG reduction goal. The master plan sets the foundation for establishing targets and a portfolio of projects identified and scheduled for implementation.

FY 2016-17 Targets

Reduce Port-wide energy consumption (kWh) by 20% from the 2011 baseline by 2020. This is a multi-year target.

This year we will continue construction phase implementation of planned energy savings projects. We will continue business case development to implement energy efficiency opportunities that will reduce the Port's energy consumption. In addition, where applicable, we will add energy efficiency measures to the planning and scope of work of existing or open projects using the Port's PPO change management processes. The Port is currently at a 15% reduction in overall energy consumption.

Purchase 100% of all Port electric energy from renewable sources by selecting cost-effective options in the energy market for Renewable Energy Credits (REC), Vintage Year 2016. The Port has purchased REC for 100% of its electricity consumption since 2010. This is an ongoing target.

This target assists the Port in achieving its Air Quality Green House Gas (GHG) reduction initiative goal.

Develop an energy baseline metering, tracking and analysis system for PDX Terminal Complex and other large Port buildings or systems utility services. This is the fourth year of a multi-year target.

This program target includes billing PDX concession tenants for water, electricity and natural gas consumption, and will continue for another six years to allow for upgrades over time as new PDX concessionaires sign leases. Newly-leased areas have sub-meters installed that create real-time database tracking. The Port's new metering system incorporates this data for automatic bill generation of each tenant's water, electricity and natural gas consumption. The Port will explore expanding the automatic metering system to install standardized meters for automatic bill generation at other locations, such as marine and general aviation facilities.

Develop and deliver a Strategic Energy Management Program for the Port's commercial energy improvements by participation in the Energy Trust of Oregon Strategic Energy Management (SEM) Program. This is the third year of a multi-year target.

This target will support broader awareness related to how Port employees and tenants can personally contribute to energy efficiency through their daily actions. We will work toward this target by focusing on communications, education, facility monitoring, and participating in the second year of the Oregon Energy Trust's SEM Program.



Natural Resources

Objective: Minimize impacts and seek opportunities to enhance natural resources

The Natural Resources Program seeks to ensure the development and maintenance of a consistent, ecosystem-based framework for all decisions involving natural resources at the Port.

The Port takes a proactive approach to managing natural resources and is responsible for the long-term management of its mitigation commitments. Engaging with the community to identify opportunities has been an important aspect in target selection to support regional conservation goals and initiatives.

FY 2016-17 Targets

Implement projects in support of the Airport Futures Intergovernmental Agreement for environmental improvements around PDX. This is year six of a multi-year target.

The Port will implement Phase II of the Government Island Grassland Mitigation Project (seeding and monitoring), complete one Columbia Slough Enhancement Project, and complete one Canopy Enhancement Project for this on-going commitment.

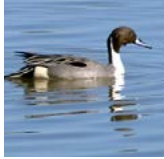
Extend partnership with Friends of Trees by sponsoring and participating in tree plantings in neighborhoods adjacent to or near Port facilities to help offset impacts from Port operations.

Events will include an employee service opportunity.

Develop a Pacific Lamprey monitoring plan in conjunction with the U.S. Fish and Wildlife and the U.S. Army Corps of Engineers for locations near Port Marine Terminals by June 30, 2017.

This is year two of a two-year target that meets the Port's obligation under the 10-year terminal-wide berth maintenance permit.

Develop a Port-wide Strategic Natural Resources Mitigation Plan that will identify mitigation needs and potential mitigation options. This is year one of a two-year target.



Water Resources

Objective: Minimize impacts to water resources

The Port of Portland's Stormwater Management Program is designed to prevent, reduce, and eliminate the discharge of polluted stormwater to the Columbia Slough and Willamette and Columbia rivers. In addition, the Port continues to set targets in support of the Water Conservation Strategy developed in 2014 that defines strategies to eliminate waste, improve efficiency and use alternative water sources across the Port. It strives to further integrate water conservation into the Port's daily operations, business planning, maintenance, and capital projects.

FY 2016-17 Targets

Improve stormwater quality by evaluating the potential contribution of zinc from galvanized metals at Port facilities and implement recommendations for potential source control measures by June 2018. This is year one of a two-year target.

Galvanization is the process of coating metal with zinc for corrosion protection. This project will proactively develop a Port policy around galvanized metals to minimize the impact on water resources.

Improve stormwater quality by designing and implementing a social marketing campaign for Port tenants working in outdoor locations to encourage good housekeeping, spill response and cleanup.

This project conducts education and outreach to increase tenant understanding of watershed best-management practices to improve stormwater quality.

Reduce water consumption at PDX by completing a pilot education and outreach campaign aimed at optimizing water use reduction through proper use of rest room water efficiency features at PDX.

Dual efficiency flush valves have been placed in all PDX restrooms. It is unknown if passengers appropriately use valves to achieve maximum water savings. This study will analyze behavior and provide recommendations for improved signage, if needed.



Waste Minimization

Objective: Reduce waste generation and hazardous materials use

Five Years to Zero Waste is the Port of Portland's ambitious plan developed in 2014 to create a guidance framework for the actions necessary to reach "Zero-Waste" status, which the EPA defines as landfill waste diversion of 90% or greater. This plan has been developed through an ongoing partnership with Portland State University's Community Environmental Services, as part of the Port's commitment to innovative, industry-leading waste minimization efforts within the broader framework of the Port's EMS. This plan sets out a framework to achieve Zero Waste status by implementing broad strategies in key areas, with specific actions, priorities, and targets. The Port has made great strides toward Zero Waste at Port-owned properties.

FY 2016-17 Targets

Achieve 90% or greater landfill diversion by 2018. This is the fourth year of a multi-year target

Conduct a PDX food court durable dishware pilot project and Port employee durable take-out container pilot project that will assess the feasibility of using durable dishware in PDX food courts.

Reduce food waste from PDX concessions by implementing one or more Food Optimization Study recommendations in coordination with restaurants. This is the second year of a multi-year target.

Provide waste minimization outreach and technical assistance to non-terminal tenants at PDX.

Develop tenant outreach materials, conduct outreach to tenants, identify tenants interested in partnering with the waste minimization team, perform tenant-specific waste assessments, and report the findings and recommendations.