

PORT OF PORTLAND

SPRING 2016 PORTSIDE

A Port of Portland publication featuring news and information about airports, marine terminals, industrial parks and environmental programs.



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SUSTAINABILITY TIPS TO GREEN YOUR BUSINESS

Portland is one of the most sustainable cities in America, and Port of Portland strives to make it even better.

One of the methods used is a triple-bottom-line approach to sustainability, making long-term positive investments in the community, environment and economy through projects and programs aligned with its mission. Port strategies represent the ongoing commitment to its constantly evolving environmental program since the Port Commission formally adopted an environmental policy in 2000 and a sustainability policy in 2010.

Bottom line, sustainability is a catalyst for innovation in how business is conducted. By creatively engaging employees to think differently about processes and efficiencies the Port strives to deliver a positive economic, social and environmental impact. As a result, over the years the Port has employed some tried and true techniques along with some innovative new programs to incorporate sustainability practices into Port business. In honor of Earth Day and in hopes of perhaps providing you with some new ideas, a selection of those is shared here.

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Ideas you can use: 10 ways the Port incorporates sustainability practices into its business.

1 BUILD GREEN

Green construction is transforming the world and minimizing the impact of buildings on the environment. Completed in 2011, The Port headquarters built at Portland International Airport is Platinum certified in Leadership in Energy Efficiency and Design. It features geothermal heating and cooling as well as a radiant ceiling panel system. The building is made of non-persistent, non-toxic materials procured from recycled, renewable or abundant sources, and it was built upon previously developed land.

This “from-the-ground-up” investment in LEED has reaped rewards and minimized operational costs related to heating, cooling and water consumption. The building promotes a healthy lifestyle with natural light and opportunities for outdoor access. New construction at the airport is on the horizon, including PDXNext terminal projects and a new rental car cleaning and fueling facility, which will incorporate similar strategies.

2 MINIMIZE WASTE

Waste generation is a major culprit of negative environmental impact. To minimize waste, the Port starts small – offering a small garbage can and a large recycling container at each desk which encourages employees to recycle. Employees are given washable cups and encouraged to take those whenever they go to the terminal for coffee and the Port works with caterers and concessionaires to offer reusable plates, utensils and napkins.

At the system level, waste stream collection evaluation has been key. For example, the Port provides a separate container for food compost in the office building kitchens as well as in the airport terminal building. The food donation program at PDX allows restaurants to donate unsold, ready-to-eat food products such as sandwiches, salads, parfaits, baked goods, and produce. The food donation program started off strong in February 2013 and now provides an average of over 1,800 meals per month.

Office supplies are also gathered for re-use on-site through the Port’s Save Our Supplies, or SOS program. One department’s folders and other gently used items now save purchasing needs in other departments.



Outside of the Port’s own partnerships, work with tenants of Port properties has shown great results. Toyota Logistics Services, located at the Port’s Terminal 4, has a remarkable 98.1 percent recycling rate. Portland State University Community Environmental Services students execute comprehensive waste audits, conduct analysis, and report back to Port tenants with tailored strategies to reduce waste and increase recycling.

3 INCREASE ENERGY EFFICIENCY

Reducing power consumption positively affects the environment and results in significant cost-savings. The Port is involved in a two-year project through 2017, investing in new energy-efficient LED lighting at marine terminals, PDX parking lots, roadways and maintenance facilities. The new HQ building employs personal occupancy sensors in meeting rooms, daylighting and integrated lighting controls, and, back at employees’ desks, electronics like monitors and speakers power down when not in use.

4 REDUCE EMISSIONS

Transportation is linked tightly to greenhouse gas and diesel emissions. To reduce emissions the Port considered how people, equipment and supplies travel, and investigated options to do it more efficiently.

Employees are offered transit subsidies, alternative work schedule options, and electric vehicle charging stations. In addition, the Port offers a fleet of hybrid and electric vehicles for employees to use at work. PDX shuttle buses run on compressed natural gas, minimizing diesel emissions. To reduce idling, PDX parking garages use a parking guidance system that helps drivers find available parking spots quickly.



5 CONSERVE WATER

While freshwater is plentiful in the Pacific Northwest, it’s not always simple to manage, due to its seasonal cycles of heavy rain and drought. The challenge is having water available when people need it, and using it wisely plays an important role in meeting that goal. To conserve water, Port landscaping uses native plants, requiring less frequent watering. PDX toilets use water-saving flush valves, and rental car wash facilities reuse rinse water. At the Port’s headquarters a “Living Machine” organic waste water treatment system cleans and filters waste water for re-use in the buildings toilets. Combined with the building’s other water-saving features, it uses 75 percent less water than a similar size office building.

6 PREVENT POLLUTION

In developed areas, stormwater runoff is a problem. Hard surfaces like roads, parking lots and rooftops can add up to huge volumes of water runoff entering the drainage system, picking up pollutants along the way. Portland leads the nation in innovative solutions for managing stormwater. Bioswales, tree plantings, rain cisterns, green roofs and porous pavement are all examples.

In 2006, the Port installed 35 acres of porous pavement at Terminal 6 to expand import and export vehicle storage. It keeps 100 percent of the stormwater on site, protecting the Columbia River. At Port headquarters, an eco roof absorbs rainwater and insulates the building.

The PDX enhanced deicing system resulted from extensive community outreach in the design process. It protects Columbia Slough water quality by collecting and treating runoff from deicing fluid before leaving the site. The facility features a solar array and energy reuse of methane by-product for power. Completed in 2012, the \$75 million dollar investment in water treatment supported local businesses and contractors.



7 CREATE A MANAGEMENT SYSTEM

A documented systematic approach will maintain and grow sustainable practices over time. Organizations may already have a sophisticated environmental management system that goes beyond regulatory requirements through evaluation and control of impacts and continual improvement. However, for small business, or the service sector, a certification may offer the most efficient way to document and build a program.

The City of Portland recently recognized the Port’s headquarters building for environmental excellence through the Sustainability at Work certification program. It takes 45 actions to achieve “Gold” status and the Port achieved more than 60. Program information is available through the Portland Bureau of Planning and Sustainability.

The Port’s Environmental Management System considers environmental factors in the early stages of projects and seeks to improve operating efficiency. The “Plan-Do-Check-Act” cycle ensures ongoing performance enhancement. In Nov. 2014, the Port’s EMS was certified by an independent third-party to the ISO 14001: 2004.

8 ENGAGE EMPLOYEES

Given the impact human behavior has on resource consumption, creating a culture of sustainability to reduce it can be just as important as infrastructure investments. At the Port organizational leadership sets expectations for workplace norms. Brown bag workshops educate employees in a collaborative way, bringing people together with similar interests. Recognizing that front line employees may have the best insights on refining processes to enhance efficiency, the Port has a dedicated email

address for environmental suggestions, and employee ideas influence and prioritize future environmental projects and goals. Reporting progress annually also shows the importance of sustainability to the organization’s success.

9 COLLABORATE WITH EXPERTS

Partner organizations offer expertise, support and credibility to sustainability programs. The Port has actively engaged with government and nonprofit partners that have experience and a mission that aligns with workplace sustainability goals.

One such partnership, the Strategic Energy Management Program of the Energy Trust of Oregon, offers opportunities for energy savings. The Port enrolled in 2015 among a cohort of a dozen organizations. The program focuses on behavior change versus costly infrastructure or equipment. Baseline data is collected for a report on conservation opportunities. If successful, organizations receive cash incentives for electricity and natural gas reduction.

10 SET GOALS

Goals establish guideposts for sustainability efforts. They clarify how to achieve the organization’s vision, and reflect concerns about its impact. The Port sets annual targets aligned with



objectives to reduce its environmental footprint in five key program areas: air quality, energy management, natural resources, water resources and waste minimization. Many objectives are ongoing, such as the purchase of certified Renewable

Energy Credits for 100 percent of the Port’s electric energy consumption. In contrast, some investments may be a one-time expenditure, such as the 2014 engine replacement on the Dredge Oregon, which reduced greenhouse gas emissions over 25 percent and diesel particulate matter by approximately 88 percent.

No matter how large or small your organization, there is always something that an individual or business can do to become more sustainable, and that’s empowering. New technologies and stakeholder engagement will continue to define how the Port operates. The Port is proud to join the many efforts and innovations taking place in the Portland metropolitan area that define the community as a national leader in urban sustainability.

Learn more about Port sustainability projects at the PortCurrents blog: portcurrents.portofportland.online.

by Lisa Appel

CONNECTING THROUGH PARTNERSHIPS

How do you connect with the community? It's an evolving question that many groups ask themselves. While the "stakeholder" concept became part of business strategies over 50 years ago with shareholders, customers and employees, it has clearly evolved to inspire consideration of the interests and priorities of diverse community members.



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The Port of Portland recognizes it's part of a larger community, ranging from nearby neighborhoods to global trading partners. How the Port conducts business is just as important as what it does. Exchanging information and enhancing connections through partnerships is critical to achieving the Port mission.

Sustainability is more than the environment. Building community relationships is a critical part of the triple-bottom-line sustainability approach that is integrated into everything the Port does. Here are Port strategies for community involvement:

Equity

Considering Fairness and Diversity in the Workplace

Finding ways for all community members to contribute to your mission, and reaching out to a broader constituency, strengthens decision-making and business success.

Port Mentor Protégé Program

Helps small businesses grow sustainably through mentorship and training. Port volunteers offer their time and expertise to assist 10-15 small firms each year.

Social Equity Program/Staffing

The Port recently completed a survey of Urban League, APANO, North/Northeast Portland Business Association, and Latino Network members on what equity means to them. Their perspectives inform the Port's emerging program, and resulted in a social equity program manager position.

The PDX Community Advisory Committee Social Equity Subcommittee

Advises the Port on taking diverse perspectives into account in planning.

Events

Opening Doors to Neighbors

Inviting the community to your facilities gives an inside look at your operations and mission. Events are an opportunity to informally engage, listen and satisfy curiosity through hospitality.

Seaport Celebration

This annual event provides the community a unique opportunity to experience a working marine terminal normally closed to the public, take jet boat rides, and see demos and activities that feature Portland's shipping heritage. This year's event is August 13.

Hillsboro Airport Air Fair

The event invites families to explore helicopters, planes, displays and tours related to aviation education and airport operations.

PDX Runway Run

In celebration of the Port's 125th Anniversary, Portlanders are invited to a once-in-a-lifetime opportunity to run a 6K on the north runway. Hood to Coast Race Series is managing race registration and administration.

Portland Harbor Behind the Scenes Program

Offers tours for an inside look at waterfront businesses involved in ship building, cars and bulk grain export.

Community

Exchanging Information and Enhancing Connections

Formalizing connections to the community through advisory groups fosters meaningful dialogue and exchange of ideas, providing opportunity for community members to inform decision-making through an ongoing relationship.

PDX Community Advisory Committee

Supports engagement on PDX related planning, sustainability and development, raising public awareness of the airport and impacted communities.

Hillsboro Airport Roundtable Exchange

A public forum for discussing news, information and concerns related to Hillsboro Airport.

PDX Citizen Noise Advisory Committee

a public forum for discussion of aircraft noise concerns at PDX.

Troutdale Airport Master Plan Project Advisory Committee

Provides input to developing a roadmap for development, operation and investment at Troutdale Airport over the next 20 years. The committee will complete their work in spring 2016.

PDX Wildlife Advisory Committee

Gives valuable feedback guiding management of the PDX Wildlife Hazard Management Program, ensuring the safety of passengers, aircraft and birds.

Neighborhood Associations:

Port staff members regularly attend monthly meetings in North Portland, appear at speaking engagements, and participate on nonprofit boards.

Environmental:

Reducing the Port Footprint

Partnering with external organizations accelerates environmental performance.

The Climate Registry

The Port is a founding member and completes an annual inventory of its greenhouse gas emissions.

Columbia Slough Watershed Council

As an active member, the Port promotes education and outreach and coordinates on restoration projects, helping to improve water quality on a large-scale.

Oregon Environmental Council Healthy Purchasing Initiative Partnership

Shifts institutional purchasing practices to protect human health, reduce chemical hazards and offer safer alternatives.

Urban Gleaners/PDX Food Donation Program

Portland airport concessionaires donate thousands of meals each year to hungry families.

Friends of Trees

Port support and involvement helps plant thousands of trees each year in north Portland neighborhoods.

Xerces Society

Provides an opportunity to use Port mitigation sites as research laboratories for wetland invertebrates and pollinators.

Oregon Invasive Species Council

This partnership helps prevent and manage invasive species on land and in water.

SOLVE

Port support helps empower citizens to manage and restore urban and wild natural areas throughout the state.

Bicycle Transportation Alliance

Port employees participate in the annual Bike Commute Challenge.

Youth:

Engaging the Next Generation

Investing in children today yields a bright tomorrow. From one-day events to internships and programs, there are many avenues to make a difference.

Where in the World

Designed to meet common-core curriculum standards for third, fourth and fifth-grade classrooms, this hands-on learning program engages thousands of area students in activities about trade, transportation and the environment.

Honoring our Rivers Student Anthology Sponsorship

As a major supporter, the Port helps connect students to their watersheds through writing and artwork.

NW Youth Careers Expo Participation

Provides an opportunity for youth to explore careers. Port engineers also participate in the annual E-week, where students experience STEM careers touring the Port's Platinum LEED certified headquarters building, and Portland International Airport airfield.

De La Salle North Catholic High School Corporate Work Study Program Involvement

helps students gain real-world business experiences for workplace skills and personal development.

The Port College Internship Program

Provides career experience in engineering, legal, environmental, public affairs, surveying and accounting fields. Typically, interns have a one-year experience with full-time summer employment and flexible hours to support academics.

PSU Environmental Services Program Partnership

This Portland State University program provides an opportunity for student consultants to work alongside Port staff in one- or two-year terms to solve real-life waste management problems at PDX and Port facilities.

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Aviation



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PDX RANKED EXCEPTIONAL

In December, J.D. Power recognized that Portland International Airport ranks "Highest in Customer Satisfaction among Large Airports". The accolades for PDX resulted from the J.D. Power 2015 North America Airport Satisfaction Study, which acknowledges that the traveler experience is the focal point for airports in improving overall user satisfaction.

According to the news release, the study measures overall traveler satisfaction by examining six factors (in order of importance): terminal facilities, airport accessibility, security check, baggage claim, check-in/baggage check, and terminal shopping.

- Several key findings of the study include:
- The check-in process and security line make or break airport satisfaction;
 - Younger travelers are generally more satisfied and spend more money than baby boomers;
 - Cleanliness of the gate area is critical; and
 - Dissatisfied customers are very vocal.

The J.D. Power news release about the award notes, "Travelers now are substantially more satisfied with retail experiences in their airport. Airports that have responded to this demand by offering a variety of food, beverage, merchandise, and other attractive

services and amenities are realizing significant gains in overall customer satisfaction."

For more information about the study results and PDX's ranking, visit www.jdpower.com.

Disclaimer: Portland International received the highest numerical score among large airports in the J.D. Power 2015 North America Airport Satisfaction Study, based on 21,009 responses from 31 airports measuring satisfaction of passengers with their airport experience surveyed in September-October 2015. Your experiences may vary. Visit jdpower.com

PDX AIRLINES START NEW SERVICE

In roughly a year, from spring 2015 to spring 2016, the 13 airlines serving Portland International Airport added four more air carriers to their ranks, announced nine new nonstop destinations and increased service to 15 cities. This increased activity helped PDX welcome 16.85 million passengers in 2015 – an all-time record high.

Icelandair (May 2015), Condor Airlines (June 2015), PenAir (September 2015) and Sun Country Airlines (June 2016) are the newest carriers to join the PDX airline family.

Icelandair flies seasonally to Reykjavik, Iceland and points beyond; the airline announced an increase of service to four-times weekly for the summer of 2016. Condor also flies seasonally from PDX to Frankfurt, Germany, and will fly the route four-times weekly this summer.

PenAir started service at PDX with flights to Crescent City, Calif., a new destination. It announced the addition of flights to North Bend/Coos Bay, Ore. beginning in March, and Redding and Arcata/Eureka, Calif., new destinations, starting in April. Sun Country will start service to Minneapolis-St. Paul on June 9.

Additionally, travelers can fly nonstop from PDX to these new destinations: Dallas Love Field on Southwest Airlines; St. Louis on Alaska Airlines and Southwest, Omaha, Neb. on Alaska; Cleveland on Frontier Airlines; and, Toronto on Air Canada starting May 27.

Finally, the airlines serving PDX added flights, increasing the capacity and options for travelers to the following markets.

- Austin, Tex. (Alaska)
- Burbank, Calif. (Southwest)
- Chicago-O'Hare (Frontier)
- Houston-Hobby (Southwest)
- Kansas City, Mo. (Alaska)
- Los Angeles (Southwest, Spirit Airlines and American Airlines)
- Minneapolis (Alaska, Sun Country)
- Ontario, Calif. (Southwest)
- Phoenix (Frontier)
- Orange County, Calif. (Southwest)

Notably, in roughly a year at PDX, Alaska added or enhanced service to six cities; Southwest added or enhanced service to seven cities.

JOBS@PDX WEBSITE NOW OPEN FOR BUSINESS

Interested in working at Portland International Airport, but don't know where to start? The Jobs@PDX website can help.

Jobs@PDX is a one-stop website for finding airport jobs ranging from barista to baggage handler; sales associate to security officer. With more than 75 organizations to choose from, PDX provides a wide variety of exciting work experiences.

The website is available at jobs.pdx.com.

The website is one of the accomplishments associated with the Port of Portland's PDX Workplace Initiative, which identified an airport jobs website as a high-priority need. The goal of the initiative is to continue the Port's history of making PDX a great place to work.

"We're pleased to offer Jobs@PDX as a way to help job seekers become part of the PDX team, as well as help



Murals in the newly remodeled PDX International Arrivals Hall illustrate the many wonders of Oregon.

PDX team members explore new opportunities," said Vince Granato, Port chief operating officer. "The new website will also assist our airport business partners in filling any job vacancies, so we can continue providing the best possible service to PDX travelers."

Jobs@PDX lets applicants filter postings by company, job title or employer type. The website is accessible on all mobile devices, and users are encouraged to share jobs with friends via email, Facebook or Twitter. Computers are available in the PDX Conference Center to access the website, if needed.

INTERNATIONAL ARRIVALS HALL IMPROVED FOR TRAVELERS

International flights can be long. For travelers, arriving at their destination generally means large windowless rooms, long lines and more waiting before they are cleared by U.S. Customs and Border Protection to enter the country and reunite with friends and family or begin their travel adventure. Alas, that may be the case for some airports, but not Portland International!

Last winter, PDX completed a rehabilitation of the airport's International Arrivals Hall, operated by CBP. The improvements include more and brighter lighting, larger display screens, the addition of iconic illustrations of Oregon and construction of canopies to ward off the rain. These changes join the automated passport control kiosks, intended to reduce wait times and expedite the international arrivals process, all the while providing a top-notch customer experience for those who select PDX as an international gateway.

Travelers can now fly nonstop to PDX from 10 international destinations. The Port of Portland upgraded the International

Arrivals Hall to better serve arriving international travelers through enhanced comfort, ease and convenience.

MORE COFFEE, GOURMET MARKETS & UNIQUE SHOPS LAND AT PDX

In mid-2016, Portland International Airport travelers will have even more choices with changes coming to PDX shops and restaurants.

The Port of Portland Commission approved 11 lease agreements for retail and food and beverage locations at their January meeting. The leases are the second phase of a multiyear project to refresh PDX concessions through 2018.

The focus of phase two is on coffee, expanding from 10 to 12 locations at PDX and offering travelers four brands, rather than two.

"Portland is a coffee town; anyone seeking a good, strong cup of coffee before an early morning flight ought to appreciate the mix of brands PDX will soon offer," said Chris Czarnecki, Port general manager of aviation business and properties. "We sought to expand the local and regional presence of the new shops opening soon, and we focused on companies that could deliver the best customer experience possible. We also paid close attention to quality employers who appreciate the value each employee brings to the job."

Peet's Coffee & Tea, Portland Roasting Company, Starbucks and Stumptown will be the coffee brands with a presence in the airport this summer.

New and expanded shops and restaurants include: Capers Farm-to-Table Market, House Spirits Distillery, Kenny & Zuke's



Delicatessen & Market, Made in Oregon, Soundbalance, Timberline Lodge, and Vino Volo.

When all locations are fully operational, the airport will add approximately 100 new jobs. Current information about airport job openings is available on jobs.pdx.com.

PDXART BLOG SHARES AIRPORT ART

A new PDXART blog offers updates on rotating art exhibits at PDX, as well as information for regional artists interested in submitting their work for exhibit consideration. The PDXART blog is located at pdxart.portofportland.online. Visitors can register to receive email notifications on blog updates.

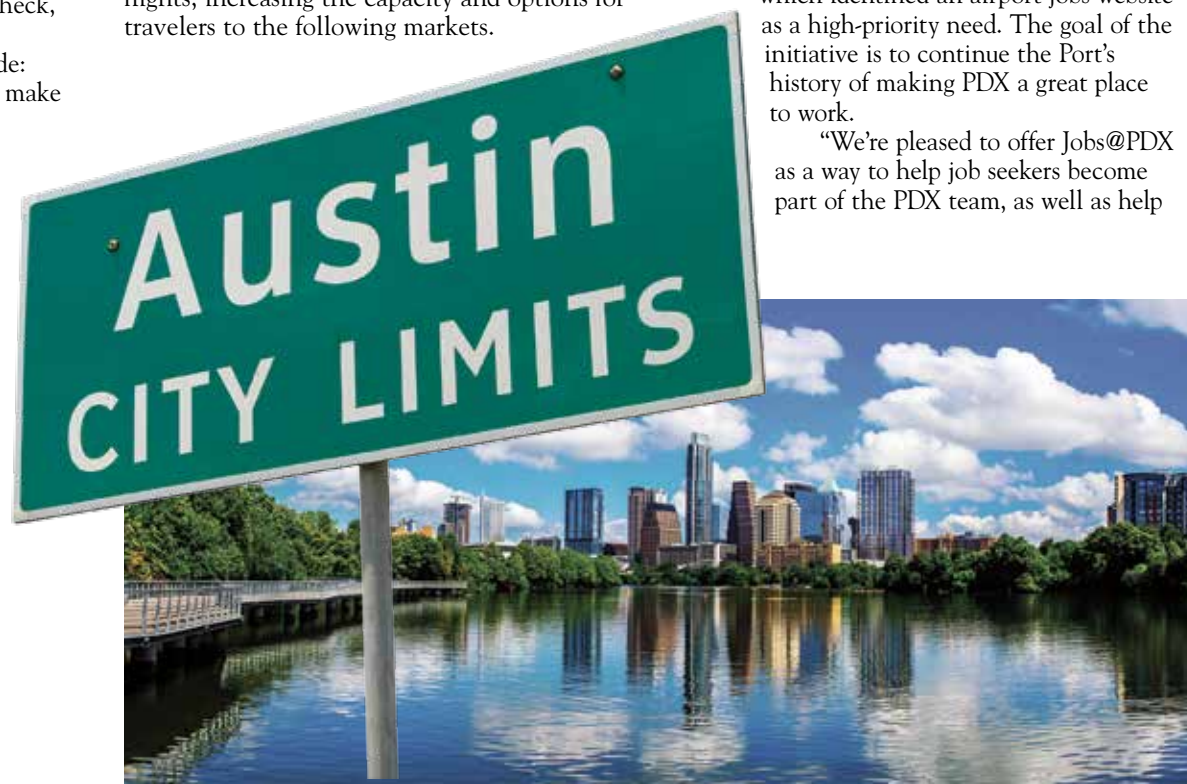
The PDX Art Program provides a portal into the dynamic cultural life of the region. Through ongoing relationships with professional artists, arts organizations, art museums and galleries, the Port of Portland provides a showcase for artwork that reflects the values of the Port and the region the Port serves.

The PDX Art Program includes:

Rotating Exhibits – PDX has nine changing exhibit spaces throughout the terminal. Existing work on loan from artists' collections is exhibited in six month rotations. Installation artwork designed and fabricated specifically for PDX changes annually.

Permanent Art Collection – The Port's permanent art collection is found throughout PDX, along Northeast Airport Way, and in the Port headquarters building. The collection includes work by Louis Bunce, Jack Portland, Deborah Butterfield and many others.

Film – PDX is partnering with Portland's own iconic not-for-profit Hollywood Theatre to bring the work of regional filmmakers to the big screen at PDX. The theatre will feature five to seven minute short-format films that entertain and educate travelers about the lifestyles and values of the Northwest region.



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Marine and Properties



Ford exports to Korea and China through Port of Portland are expected to continue increasing.

TRANS-PACIFIC TRADE AGREEMENT SUPPORTS OREGON TRADE

Ratification and implementation of the Trans-Pacific Partnership by 12 Pacific Rim countries, including the U.S., would have significant benefits for Oregon and the region. The trade agreement would provide Oregon with an opportunity to open new markets for its goods and services in countries that are not current Free Trade Agreement partners.

The most significant benefit of the agreement to the region would be a much more liberalized trade relationship with Japan, as Japan continues to be the largest market for marine cargo exported from the Port of Portland. With the elimination of tariffs, regional exports could also benefit from new market access to Brunei, Malaysia, New Zealand, Vietnam and other countries.

Some regional products face stiff tariffs – from 34 percent for breads and pastries to 70 percent for machinery. Although it is hard to predict exactly how much shipping volumes could increase, it is clear there is room to improve when these impediments are removed.

In the auto export business, for instance, existing trade agreements have proven to be very helpful. Since Ford began exporting autos to Korea and China, exports from the Port of Portland have gone from zero in 2011 to more than 49,000 in 2015, and are expected to continue to increase.

Trans-Pacific Partnership countries represent nearly half of the \$21 billion in goods exported from the Portland-Vancouver metro area annually.

SUPPORTING THE TRADES

Port of Portland, the Working Waterfront Coalition and Bank of America recently presented donations to Portland Community

College's Swan Island Trades Center, collectively totaling \$50,000. Trade education plays an important role in training a new generation of qualified workers for area industries and the manufacturing sector, as well as creating a clear pathway to family-wage jobs.

The Center is a 20,000-square-foot facility housing the college's apprenticeship and trades department. The Center and nearby Cascade Campus, along with expertise from PCC's CLIMB Center for Advancement, coordinate continuing education, training, retraining and professional development for Swan Island businesses.

Offered at the Swan Island campus are the Facilities Maintenance Technology two-year degree; Facilities Maintenance Technology and HVAC Installers certificates; Millwright, Industrial Mechanics, Limited Maintenance Electrician, Manufacturing Plant Electrician and Stationary Engineer apprenticeships; and the Limited Building Maintenance Electrician training program.

PCC purchased the former Oregon Motor Pool Facility in 2010 with a vision of creating a trades facility within the industrial core of Swan Island to meet the needs of the businesses in the area. In 2012, the Oregon Legislature authorized \$1 million to go toward construction of the Center in addition to the \$3.6 million earmarked from PCC's 2008 voter-approved \$374 million bond.

INITIATIVE OFFERS SOLUTIONS TO KEEP OREGON FREIGHT MOVING

The International Trade and Logistics Initiative released its recommendations in February to help Oregon businesses facing logistics challenges due to the loss of weekly Port of Portland Terminal 6 container service and changes in the international maritime and

transportation industries. The goal is to help Oregon businesses move freight to markets and compete globally.

In April 2015, Governor Kate Brown launched the Initiative – a partnership of Business Oregon, Oregon Department of Agriculture, Oregon Department of Transportation, and the Port – to identify trade-related, freight logistics solutions to help small- and medium-sized businesses across Oregon stay competitive. Over 88 percent of Oregon exporters are small- and medium-sized businesses. Many of these businesses are experiencing increased transportation costs, longer transit times, reduced reliability, and loss of markets and market share.

Recommendations included in the International Trade and Logistics Report fall into the following four categories:

- Resolution of Terminal 6 labor-management issues and restoration of weekly container service
- Operational enhancements and actions to improve the existing logistics system
- Strategic investments in freight logistics to sustain services
- Policy actions to enhance Oregon trade and improve the transport of goods



Support to shippers currently underway includes the creation of a drop yard for the monthly Westwood Shipping Lines container service at Terminal 6, the restart of an upriver barge-rail shuttle to connect with farmers in eastern Oregon, southeastern Washington and Idaho; and exploration of both a container reuse pilot and intermodal rail facility for mid-Willamette Valley shippers. The full report is available at www.oregontradesolutions.com.



KeHE Distributors in PDX Logistics Center.

PDX LOGISTICS CENTER ADDS TENANTS, NEW BUILDINGS

At nearly one-million square feet, the PDX Logistics Center will have a total of five state-of-the-art buildings; two of which are already fully leased to trade and logistics tenants. The project, located within the Port of Portland's Portland International Center south of Northeast Airport Way, is being developed by locally-based Capstone Partners.

"PDX Logistics Center is in a prime location next to a major north/south Interstate (I-205), the Portland International Airport and other freight services," said Chris Nelson, a principal at Capstone Partners. "The combination of infrastructure and resources that make up such a central distribution and logistics hub is desirable for a broad range of industrial tenants."

Companies operating in the initial phase of the project include Gateway Express, a Singapore-based e-commerce company; specialty packaging company Ernest Packaging, and KeHE Distributors, a natural and organic foods distributor. A third building, which will add 355,000 square feet, is currently under construction and will be completed this summer.

"The ability of this region to have shovel-ready industrial land for existing and new-to-market traded sector companies that wish to expand or relocate to Portland is critical to the long-term economic health of our region," said Nelson. "The Port is playing an important leadership role in making that possible."

SUBARU CONSTRUCTION UNDERWAY AT GRESHAM VISTA BUSINESS PARK

Subaru of America, Inc., with the Trammell Crow Company and Clarion Partners, is constructing a 600,000 square-foot building for a master parts distribution center on 39 acres at Port of Portland's Gresham Vista Business Park.

An anchor tenant at the development, Subaru brings investment and jobs to the region by relocating the facility from Japan to Gresham. The company also operates a 413,000 square-foot regional distribution center at the Port's Rivergate Industrial Park. The Gresham site will be operational by October 2016.

"We're pleased to welcome Subaru as our first industrial tenant in Gresham Vista, and continue our partnership with Subaru and Trammell Crow to support the growing regional automotive business," said Bill Wyatt, Port executive director. "This successful

TRIP PHASE II SITES NEAR COMPLETION FOR MARKET

The Troutdale Reynolds Industrial Park marked a milestone in its Phase II development of 184 acres. Newly graded wetlands and industrial lots mean the former contaminated brownfield will be ready for development at the end of the year.

"We've sculpted a new channel to direct water to a reservoir, which feeds into the Columbia River," said Carrie Butler, mitigation manager for the Port of Portland, which owns TRIP. "Sundial Channel represents a key feature of this 90-acre wetland mitigation site, which will provide a variety of habitat types to support local and migrating wildlife."

The project is visible from Northeast Marine Drive near 223rd Avenue and was formerly home to the Reynolds aluminum plant and later declared a Superfund site. The Port acquired the property in 2007 and completed Phase I in 2010. FedEx Ground, the first tenant, constructed and



Subaru master parts distribution center takes shape at Gresham Vista Business Park.

business investment is a direct result of the close partnership between the City of Gresham, the Port and the private sector, as well as the region's industrial site readiness efforts."

Paving the way for the development were acquisition and site readiness investments by the Port, and support by the City of Gresham, Business Oregon, the Governor's Regional Solutions Team, and Metro. The property's large size, shovel ready status, favorable soils, and easy access to Interstate 84 made it a logical choice for the project. The project is benefiting from the City's expedited permitting and review process and will also utilize the City's existing Enterprise Zone.

operates a \$130 million state-of-the-art, 471,000-square-foot regional freight distribution hub on 78 acres. TRIP has even drawn attention from the U.S. Environmental Protection Agency.

"The EPA and the Port hope this can be a case study on how to effectively clean up, develop and create a job center out of a Superfund site," said Ken Anderton, Port industrial development manager.

As part of the wetland mitigation, the Port is planting 98,000 native shrubs and trees in stages over the next few years.

To date, the Port has invested over \$53 million in the acquisition and redevelopment of the site to support regional jobs.

Business and Environmental

MCDONALD JOINS PORT COMMISSION

Pat McDonald is a newly appointed member of the Port of Portland Commission.

McDonald is vice president of human resources and director of the Intel Talent Organization at Intel Corporation. Since joining Intel in 1986 as a summer intern, McDonald has held a wide range of engineering, manufacturing and management positions, including vice president and plant manager of Fab 20 in Hillsboro, leading 1,800 employees. She has also served as director of the ATMx organization, director of the Product Health Enhancement Organization, and pioneered Intel's Healthcare Marketplace Collaborative, an alliance of Portland health care providers, a health plan, and the Virginia Mason Institute.



Long a champion of diversity at Intel, McDonald is Intel's executive sponsor for the Women at Intel Network with 40 chapters worldwide. McDonald earned a bachelor's degree in chemical engineering from Oregon State University. She lives in Portland with her husband and son.

MARYHELEN KINCAID RECEIVES PORT COMPASS AWARD

Community volunteer Maryhelen Kincaid is winner of the Port of Portland's 2015 Compass Award.

Kincaid has worked with the Port as an engaged citizen for over 12 years, and devoted more than 35 years to citizen involvement. She served on the Portland International Airport Citizen Noise Advisory Committee as a member and committee chair for nine years, the Regional Air Cargo Feeder Ad Hoc Committee, the PDX Airport Futures Planning Advisory Group, and currently serves on the PDX Community Advisory Committee.



In her tenure as a community volunteer, she has advised the Port on many important topics, including aircraft noise, land use and future development.

"Maryhelen is a well-known and respected name in the Portland community and participates in planning, land use and community engagement processes throughout the city," said Port Commission President Jim Carter. "She is an exceptional leader with a strong commitment to authentic

community dialogue, balanced perspective and fairness. Her vision and practical insight has helped the Port of Portland collaborate with the community on numerous projects, and her commitment to volunteer service is an inspiration to us all."

Instituted in 2006, the Compass Award recognizes the contributions of community individuals and entities that have demonstrated exceptional support for the Port. Compass Award recipients serve as civic and/or corporate role models through their outstanding contributions to the Port and the communities it serves. Recipients can be recognized for overall support of the Port's strategic mission or any of the Port's individual business units including aviation, marine, properties, and environmental affairs.

The award was presented Feb. 18 during the Port's annual Gateway to the Globe meeting with business leaders, elected officials and community stakeholders. This year's event also celebrated the Port's 125th anniversary.



Port of Portland's 125 years of history is now on display at Portland International Airport.

PORT 125TH ANNIVERSARY CELEBRATION CONTINUES

This year marks the Port of Portland's 125th anniversary and throughout the year the Port is hosting a number of events to help tell the story of the evolution of travel and trade in the region.

At Portland International Airport a new mural depicting key moments in the Port's history greets travelers in the north tunnel from the parking garages into the terminal. An online trivia contest gets underway this spring, offering prize winners a jet boat tour of the Portland Harbor.

The Port's major annual community event, Seaport Celebration, is Aug. 13 and will feature many nods to the Port's past along with reduced-price jet boat tours of Portland's working harbor.

The final event is a one-of-a-kind opportunity to run or walk a 6K on PDX's north runway on Sept. 24. For registration information, visit <http://bit.ly/1L2szaS>.

For more information on these activities or to learn more about the Port's 125 years of history, visit www.portofportland.com. Follow the Port on Twitter, Facebook and Instagram for fun history facts and updates using #Port125.

NEW WEBSITE CELEBRATES UNEXPECTED CAREERS

Where can you find a digital alchemist, foodpreneur and machine wrangler all supporting the same mission? The Port of Portland. Surprised?

"We're not what you'd expect" is the theme

of the Port's updated careers website which challenges assumptions that applicants may have about civil service. From gourmet cuisine at the Portland International Airport to a Leadership in Energy and Environmental Design Platinum headquarters building and employees who run marathons, brew craft beer and climb mountains, the new website helps redefine what it means to work at a government agency.

The website provides current openings, an application guide, and registration for automatic notifications as new positions are posted. It also features photos and quotes from many Port employees, who share their personal experiences

with finding purpose, growth and balance through their work.

To explore the new website and learn more about the variety of careers found at the Port, visit www.portofportland.com/careers.

ENHANCING POLLINATOR HABITAT ON GOVERNMENT ISLAND

Bees, butterflies and other pollinators maintain healthy ecosystems and, unfortunately, their populations are declining.

Habitat loss affects pollinator populations – especially the loss of native plant species. Oak prairie communities have particularly suffered as the region developed, with only one percent remaining from the original landscape. Oak prairies are native grasslands scattered with oak trees.

Both grassland diversity and associated pollinators are topics of conservation concern in the Portland metropolitan area; many organizations collaborate through the Intertwine Alliance's Oak Prairie Work Group.



Port staff conduct a vegetation survey.

In fall 2015, the Port of Portland planted the first 50 acres of grassland enhancement on the Port-owned Government Island in the Columbia River, as mitigation linked to the Airport Futures planning process. The Port manages more than 800 acres of mitigation lands using the latest applied science and restoration techniques.

In designing the grassland enhancement project, the Port took an innovative approach by conducting research in partnership with the Xerces Society. The Xerces Society will monitor pollinators before and after site enhancement to understand how establishing native grasses and wildflowers will change the diversity and abundance of pollinators.

Discussions with researchers and other groups restoring prairies in Oregon, such as the Institute for Applied Ecology, Xerces Society, The



Port of Portland employees plant native shrubs in partnership with SOLVE at Heron Pointe Wetland in Fairview in November 2015. The native plants will diversify this wetland, protecting the health of Fairview Creek, which drains to the Columbia Slough.

Nature Conservancy, the Audubon Society and the City of Portland, helped with initial project design. The diverse seed mix included a broad diversity of native wildflower and grass species to evaluate what species thrive in the unique island landscape. The species mix offers staggered blooms to provide pollinators with nectar and food throughout the growing season. In addition to seeding, Port staff hand planted 2,000 Camas bulbs. Looking to the future, pollinator, wildlife and vegetation monitoring will continue in 2016. It will take three years for the grassland planting to become fully established.

PLANNING FOR SEISMIC EVENTS

Earthquake threat is on the minds of Oregonians...How will it happen? Am I prepared? Planning is critical to ensure safety and resilience.

These same questions concern Port of Portland engineers and managers when considering essential infrastructure assets that the Port maintains and operates. Airports and marine terminals provide a vital link for the movement of supplies and equipment.

Given the threat, the Port worked on a comprehensive seismic risk and vulnerability analysis of its most critical assets. The Oregon Resilience Plan inspired their work; it calls for a comprehensive assessment of key structures and systems that support Oregon's economy.

In recognition of their work, the Oregon Emergency Management Association recently awarded the Port's project the 2015 OEMA Partner Award in Innovation. In the award, OEMA cited the work as a "model" for others, given few seismic studies of this scope have occurred in response to the Oregon Resilience Plan.

The project's scope included ground motion analysis to simulate how earth would move in an earthquake. Engineers also evaluated buildings to see how their age and construction type would respond to ground motion forces and liquefaction. Upon identifying vulnerabilities, engineers proposed corrective action projects and a cost-benefit analysis to prioritize projects.

NEED TO PLUG IN YOUR ELECTRIC VEHICLE? PDX HAS YOU COVERED

Portland International Airport offers travelers and employees 48 electric vehicle charging stations – the largest installation of commercial stations at an airport in the United States.

The PDX economy parking lot has 24 L1 PowerPost™ EV charging stations, available in two separate areas of 12 stations each. An additional 18 level 1 stations are located in the PDX employee lot on Northeast Alderwood Road.

In the short-term garage on the fourth floor, there are six 240 volt level 2 charging ports, as three stations offer two connections each. PDX also provides level 2 charging to valet parking customers, giving a faster boost for quick trips.

The level 1 stations have the typical 120 voltage found in homes. Level 1 outlets enable EV drivers to recover about five miles of range for every hour they are charging. So, a typical commute of 20 miles is recovered in about four hours. The lower voltage allowed PDX to install more charging stations without costly electrical supply upgrades often needed by more powerful level 2 chargers.

The Port is monitoring the care and use of the EV charging stations, and intends to expand the program in the future in response to demand.



RESTORING OUR RIVER

The community will have an opportunity this spring to weigh in on the Environmental Protection Agency's proposed remedy for the Lower Willamette River Superfund site.

The EPA listed the Lower Willamette as a Superfund site in 2000. The designated area encompasses approximately 10 miles of the Willamette in Portland, from the Broadway Bridge north to near the confluence of the Willamette and Columbia rivers. After 16 years of study and analysis, the EPA will release its proposed plan to clean up the site in April. EPA hosted forums in February and March to provide information to the community about the Superfund site and cleanup options, and from April to June a public comment period will provide other opportunities to react.

Background

Since 2000, the Port of Portland, City of Portland and businesses have worked with EPA to study the sources and extent of the contamination found in the Lower Willamette. Studies showed that more than 100 years of development (industrial, urban and agricultural), combined sewer overflows and storm water discharges, as well as ship building and ship scrapping (dating from World War I and World War II to the Korean War) all contributed to the contamination.

The result is four main chemicals found in the sediment (e.g., the mud) in the river – PCBs, PAHs, dioxins/furans and pesticides – pose the most significant risks to humans and the environment. The highest risks come from eating resident fish like bass and carp. Migratory fish like salmon do not spend enough time in the area, and thus pose less risk. The State of Oregon has determined that the Lower Willamette is safe for all kinds of recreation, like swimming, boating or walking along the beaches open to the public.

In addition to the study and analysis, some cleanup actions have already taken place to address contamination in the river, but the bulk of the cleanup in the river awaits the EPA decision which begins this spring and will conclude with a final decision at the end of 2016. The Oregon Department of Environmental Quality has also overseen numerous projects to clean up land adjacent to the river.

A draft Feasibility Study released by EPA last summer included a range of cleanup options for the Portland Harbor site (from alternative A to alternative G) and the associated costs of each option. The costs varied from \$800 million to nearly \$4 billion. The study also described the type of cleanup options to be undertaken.

The methods of cleanup for the Portland Harbor site are straightforward – dredging, capping, treatment of the sediment, and monitored natural recovery (e.g., monitoring or enhancing the river's own natural process of moving cleaner sediment down the river). No single cleanup method is best for every situation; each has its pros and cons, and each comes with a different price tag. When evaluating the different ways to protect human health and the environment, EPA is required to consider costs, as well as other more technical factors such as long-term and short-term effectiveness, implementability, and reduction of toxicity.

The Superfund law requires that those responsible for the contamination pay for the cleanup. In the case of the Lower Willamette site more than 100 different potentially responsible parties have been identified. These include local businesses, like Gunderson and Schnitzer Steel; Oregon utilities, like NW Natural and Portland General Electric; local governments like the City of Portland and the Port of Portland; as well as the federal government and the State of Oregon; along with other businesses, some of which are no longer in existence due to bankruptcy or corporate dissolution. The process to allocate costs among parties involved in the Portland Harbor site is separate from EPA's remedy selection process and is already underway. It is designed to be completed by the time cleanup actions are ready to be implemented. The goal is to have a successful allocation in place to avoid costly and lengthy federal litigation.

Next Steps

The Port supports the goals of EPA in addressing the cleanup of the Portland Harbor: to protect human health and the environment. A great deal of time and effort has gone into understanding the site and building the scientific basis for a cleanup that addresses the key risks. It is time to clean up these long-buried pollutants that pose unacceptable risks. The cleanup needs to be done right by prioritizing the areas with the most significant risk.

The cleanup is also extraordinarily expensive and will be disruptive to the communities and businesses in and around the Portland Harbor. People who live and work in this region today, and for many years to come, will be paying for this cleanup, and the ramifications of its price tag will show up in a variety of ways. For that reason, we need to ensure the way forward is smart and cost-effective, relying on science and best practices from other cleanup sites around the nation.

CALENDAR

May 4

Hillsboro Airport Roundtable Exchange
5:30 – 7:30 p.m.
Hillsboro Civic Center, Rooms 113 B & C
150 E Main St, Hillsboro, OR

11

Port of Portland Commission Meeting
9:30 – 11:30 a.m. • Chinook Room
Port of Portland headquarters

12

PDX Citizen Noise Advisory Committee
5:30 – 8:00 p.m. • PDX Terminal
St. Helens Conference Room

June 8

Port of Portland Commission Meeting
9:30 – 11:30 a.m. • Chinook Room
Port of Portland headquarters

July

13

Port of Portland Commission Meeting
9:30 – 11:30 a.m. • Chinook Room
Port of Portland headquarters

14

PDX Citizen Noise Advisory Committee
5:30 – 8:00 p.m. • PDX Terminal
St. Helens Conference Room

August 5th – 7th

The Oregon International Air Show
Gates open at 6 p.m. on Friday
9 a.m. on Saturday and Sunday
Hillsboro Airport

10

Port of Portland Commission Meeting
9:30 – 11:30 a.m. • Chinook Room
Port of Portland headquarters

13

Seaport Celebration
10 a.m. – 4 p.m. • Terminal 4
11040 N. Lombard Portland

Visit us online

Here is a full menu of all of the various channels the Port of Portland uses to keep the community up to date on Port events and activities:

Corporate Facebook: www.facebook.com/portofportland

PDX Facebook: www.facebook.com/flypdx

Corporate Twitter (@PortOfPortland): twitter.com/PortofPortland

PDX Twitter (@flypdx): twitter.com/flypdx

PDX Instagram (@pdxairport): www.instagram.com/pdxairport/

Bill Wyatt Twitter: twitter.com/bmwwyatt

Port of Portland LinkedIn: www.linkedin.com/company/165514

Port of Portland YouTube Channel: www.youtube.com/user/portofportland

Learn more about the Port of Portland at www.portofportland.com. Online newsletters are located in the Publications section of our website:

PDXART – Portland International Airport art news: pdxart.portofportland.online

Port Currents – Community and Environmental news: portcurrents.portofportland.online

Port Dispatch – Marine Marketing news: www.portofportland.com/publications/PortDispatch/