Waste Minimization Program and Portland State University Partnership

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PDX COMMUNITY ADVISORY COMMITTEE

CHARTING A COURSE FOR PDX

Presentation Overview

- Introduction to Port Waste Minimization Program
- CES Overview and Current Developments
- Port/CES Partnership
- Waste Minimization Program Achievements

PDX Waste Minimization Programs

Food Waste Program

Food waste is collected from tenants and from the travelling public in Concourse D

Tenant Cleanup Events

The Port hosts events twice a year to help tenants dispose of large, bulky items

Restaurant Grease Recycling

Grease from restaurant locations is recycled and purchased for use in Port equipment

Liquid Collection Stations

Collecting liquids at security checkpoints gets them out of landfill-bound waste streams

Recycling Program

Recycling includes conventional items and others such as batteries and plastics

Reuse and Repurposing

The Port finds ways to reuse or repurpose materials - even difficult items like escalator handrails

Outreach and Technical Assistance

PSU partnership provides outreach and education for tenants and Port staff to increase landfill diversion

Food Donation

To landfill

CES Facts: Overview

- Non-profit Environmental Consulting Firm at PSU
- Over $1.2 million in Current Grant Projects
- Faculty Members/Students
- 25 years developing & researching waste minimization practices regionally

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CES Facts: The Latest

CES in September 2012:
Staff: 16 (3 managers)
Projects: 14 (13 Public, 1 Private)

CES in September 2014:
Staff: 27 (4 managers)
Projects: 20 (14 public, 6 private)

Private Sector Growth:
FY 12: $10,000
FY 14: $225,000

Major Grant Award:
EPA P2 grant for $102,000 (May 2014)

Notable Partnerships

- Nike
- Bonneville Power Administration
- New Seasons
- Lloyd EcoDistrict

LLOYD ECO DISTRICT

BONNEVILLE POWER ADMINISTRATION

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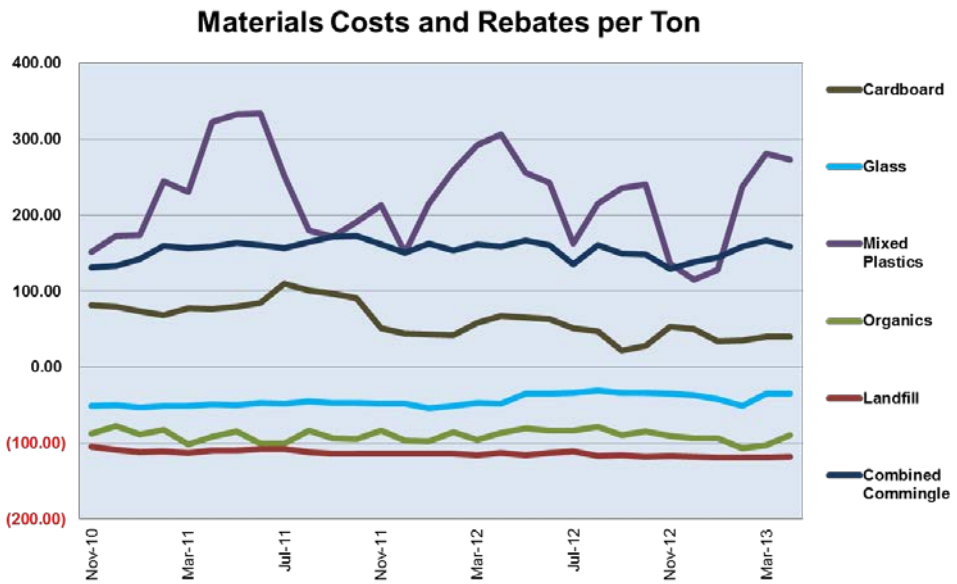
CES Program Support Activities

- Robust data collection and analysis
- Waste sorts and assessments



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CES Program Support Activities

- Waste collection system design

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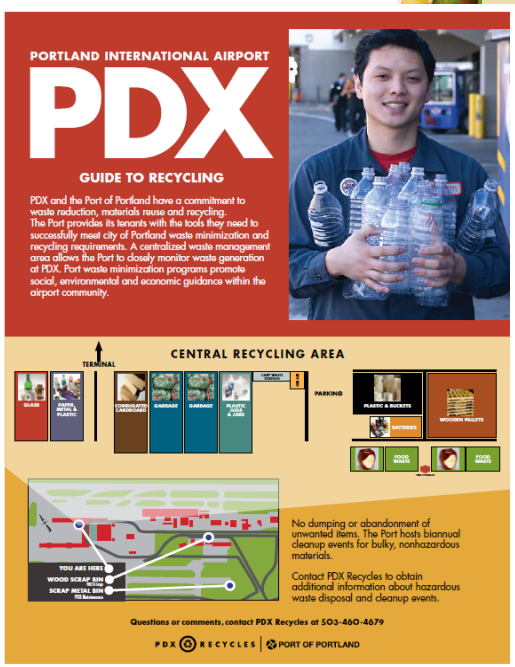
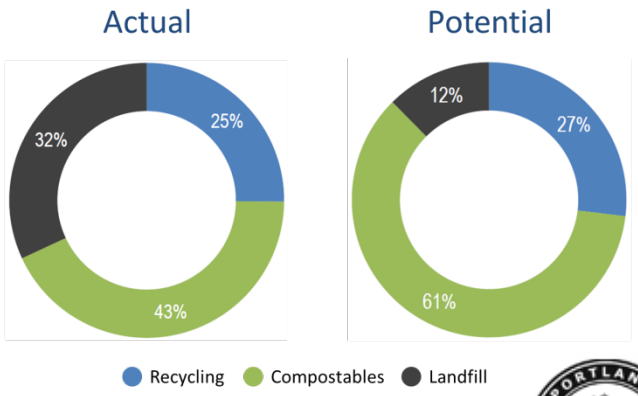
CES Program Support Activities

- Outreach and Technical Assistance
- Free services for PDX tenants
  - Training & Consulting
  - Outreach & Rewards
  - Signage & Bins
  - Assessments & Sorts



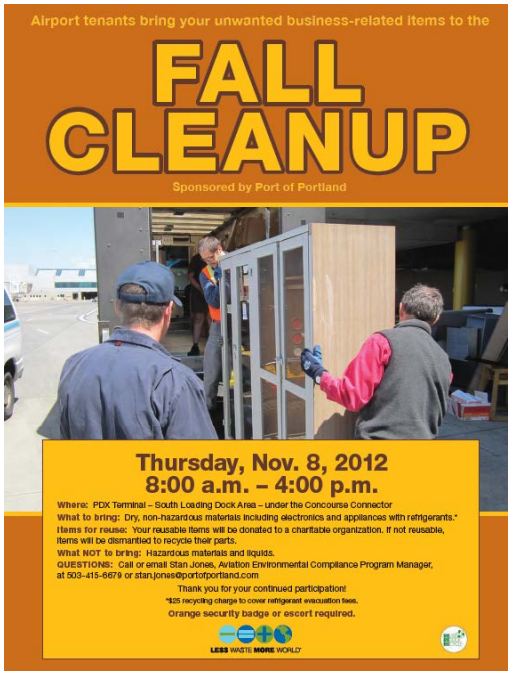


Waste Minimization Program Achievements

- First public food waste donation system for any airport in the US
- Pioneering contributor to launching Metro's region-wide food composting program and City-wide *Portland Composts!* program
- Diverts approximately 200 tons of food waste per year

Waste Minimization Program Achievements

- Bi-annual cleanup events
- Help tenants dispose of large, bulky and unusual items
- Increases diversion rates through repurposing and recycling
- Prevents illegal dumping on airport property



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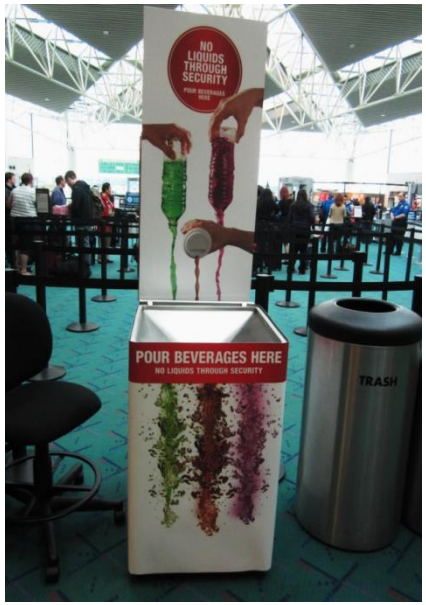
Waste Minimization Program Achievements

- Innovative liquid collection stations at security checkpoints
- Design adopted by Chicago Midway and Boston Logan
- Saves approximately $30,000 per year



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Waste Minimization Program Achievements

- First successful deplaned waste diversion program – still in operation at Horizon Airlines
- Now in place at SEA and SFO as well

Waste Minimization Program Achievements

- PDX Food Donation Program started in February 2013
- Partnership with St. Vincent dePaul of Portland
- 73% of terminal tenants participate + LSG SkyChefs
- Won Airports Council International Green Concessions Award
- Feb. 13 - Aug.14: 54,748 pounds donated = 36,498 meals

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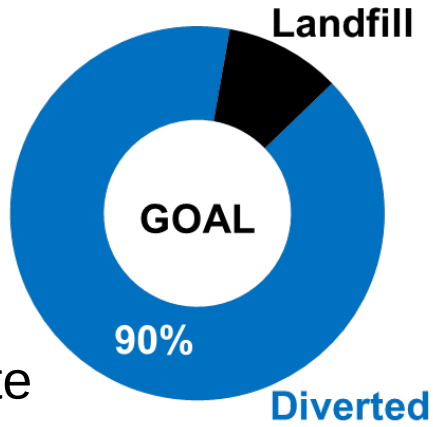
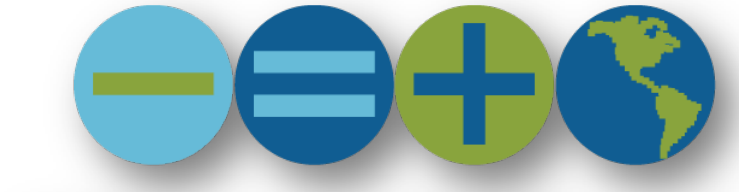
Current Program Focus



- Five Years to Zero Waste Plan
- Zero Waste = 90% or greater waste diversion rate
- Port's goal is to reach Zero Waste Port-wide by 2018
- Current status: PDX Terminal diverts only 32% of waste; Concessions divert about 63%
- Reaching Zero Waste for the terminal would save PDX around $200,000 per year

Benefits to PSU Students

- Annual support of 4 Graduate Research Assistant positions
- $70,500 in tuition remissions annually
- Hands-on experience solving real-world waste management and minimization challenges
- Graduates go on to hold senior positions in waste management and sustainability at regional government agencies and other large organizations

Questions?