



Sustainability at Pacific University

University Council

May 7, 2015

Pacific
University
Oregon

Sustainability Center

URL: www.pacificu.edu/center_for_sustainable_society/

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503-352-2041

Scott Hall 204 (at least until June 30)

Mission (unofficial): The Center embraces the sustainability component of the Pacific University Mission. The Center—working with its Advisory Council, faculty, staff, and students—seeks to help all areas of university operations use resources more efficiently; **increasing efficiency of resource use also greens the university bottom line.** The Center advises academic programs on incorporating sustainability themes into the curriculum. It also works with external partners to help Pacific University, Forest Grove, and Washington County become more sustainable.

Projects — 1st Three Years

American College & University Presidents' Climate Commitment

- Joined November 19, 2012
- Greenhouse Gas Inventory submitted May 15, 2014 (rs.acupcc.org/ghg/3156/)
- Climate Action Plan submitted February 12, 2015 (rs.acupcc.org/cap/1255/)
- Climate neutrality target date: 2020 (would require 30% GHG reduction and purchase carbon offsets to cover the rest)

Forest Grove Sustainability Commission

- Established February 10, 2014 (for 2 years prior was “Committee”)
- Sustainability Action Plan published October 2013 (www.forestgrove-or.gov/images/stories/government/boards/Sustainability/pdf/Action_Plan_FINAL.pdf)
- Plastic bag ban proposal to City Council; city grant awarded to provide every residence with a washable, reusable bag

Projects — cont'd

CITY OF FOREST GROVE CODE AMENDMENTS

NEW CODE SECTION 7.900 – 7.930

SINGLE-USE PLASTIC CARRYOUT BAGS

Purpose. The purpose of Code Sections 7.900 – 7.930 is to prohibit use of single-use plastic carryout bags at retail establishments, any city facilities, city managed concessions, city sponsored events and/or city permitted events, and requires retailers to charge at least five cents for a paper bag.

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(Exceptions include packaging for bulk items such as vegetables and hardware items; wrap for fish, meat, flowers, or other wet products; prescription bags; dry cleaning bags; bags sold for home food storage, garbage, pet or yard waste.)

LEED Buildings



Pacific has built 7 LEED buildings, 6 Gold, 1 Silver

Building Energy Reduction



Scott Hall polystyrene roof insulation, July 2012

Building Energy Reduction



Dave Cookman/Marsh Hall 97%-efficient condensing gas boilers

Building Energy Reduction



University Center daylighting and LED light fixtures

Transportation



Two Zipcars on the Forest Grove campus, one a 50 mpg Prius

Transportation



Forest Grove charging station; Hillsboro ITF has several charging stations

Transportation



Hillsboro Intermodal Transit Facility with photovoltaic panels on the roof, Creighton Hall in the background

Transportation



Outdoor Pursuits Afreebike loans; OP buys 2 Africabikes, Kona sends 1 to Africa using profits on the 2 purchased bikes.

Transportation



Pacific has several covered bike racks; this one has a bike pump.

Transportation

Need a ride to PDX?

Tuesday May 12th

Load 3:15 AM Depart 3:30 AM
Load 4:00 AM Depart 4:30 AM
Load 9:00 AM Depart 9:30 AM
Load 11:30 AM Depart Noon

Wednesday May 13th

Load 3:15 AM Depart 3:30 AM
Load 4:00 AM Depart 4:30 AM

Sign-up by Friday May 8th at the PIC

\$8.00 dollars per ticket (non-refundable)

Shuttles based on first come first serve basis
Bring your boarding ticket to get on the shuttle
Board by Walter Hall turnaround

Student transportation initiative

Purchasing Policies

Purchasing Responsibly

The Purchasing Office (“Purchasing”) is authorized to make commitments to off-campus vendors for the purchase of supplies, equipment, and services on behalf of all University departments. Purchasing conducts its function in accordance with the ethical and fiscally responsible practices of the purchasing profession, and in support of the University’s mission of sustainability.

In addition, Purchasing contracts with vendors of common-use supplies to provide individual offices and departments with discounted, environmentally preferable products. All departments are encouraged to make purchases that reduce consumption of materials, reuse or repurpose materials whenever possible, and use products that are ultimately recyclable. Common consumables should have recycled content; office paper should contain at least 30 percent post-consumer recycled content. Appliances, computers, copiers, and printers should be Energy Star-rated.

Office Greening



Office greening initiatives include mandatory minimum 30% post-consumer recycled content office paper

Recycling



What two things are wrong with this set up?

Recycling



Better set up

Recycling

Sustainable Indoor/Outdoor Furnishings

COLOR OF PRODUCT : F-BLUE	SPECIAL INSTRUCTIONS:
ITEM : REPLACEMENT DOORS FOR EXSITING UNITS	ORIGINAL ORDER: #63321
RESIN POURED : NO	
RESIN COLORS : N/A	

10"

1.875"  MIXED RECYCLING

 GLASS

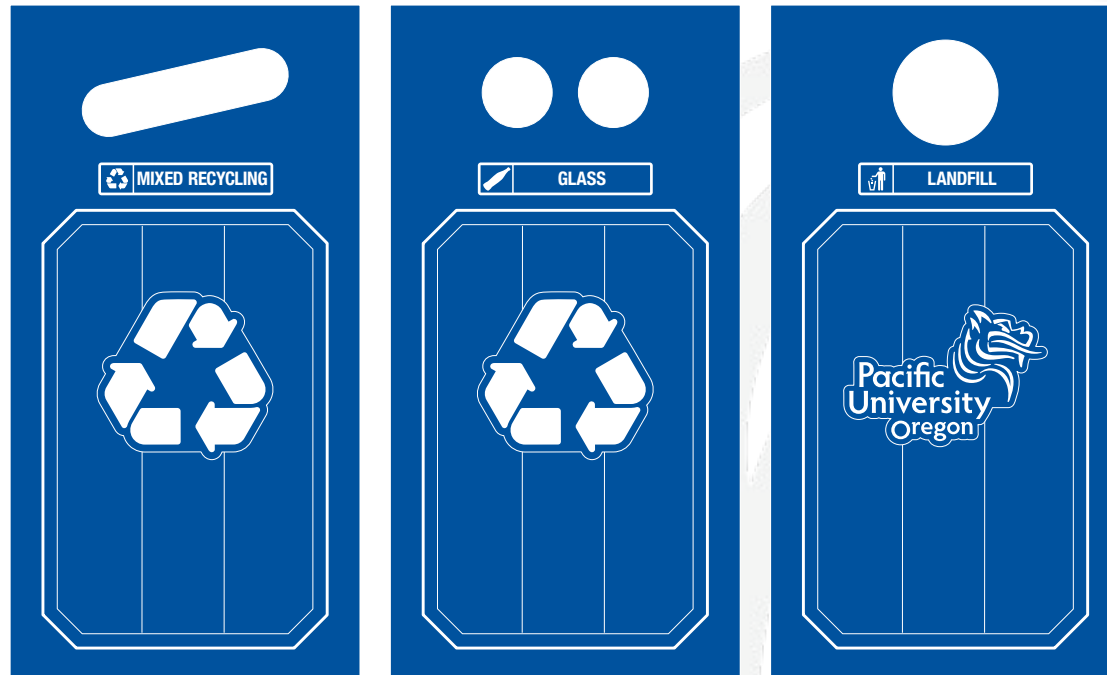
 LANDFILL



10.0521" X 9.5945"



11.6453" X 8.111"



Best



E-Waste



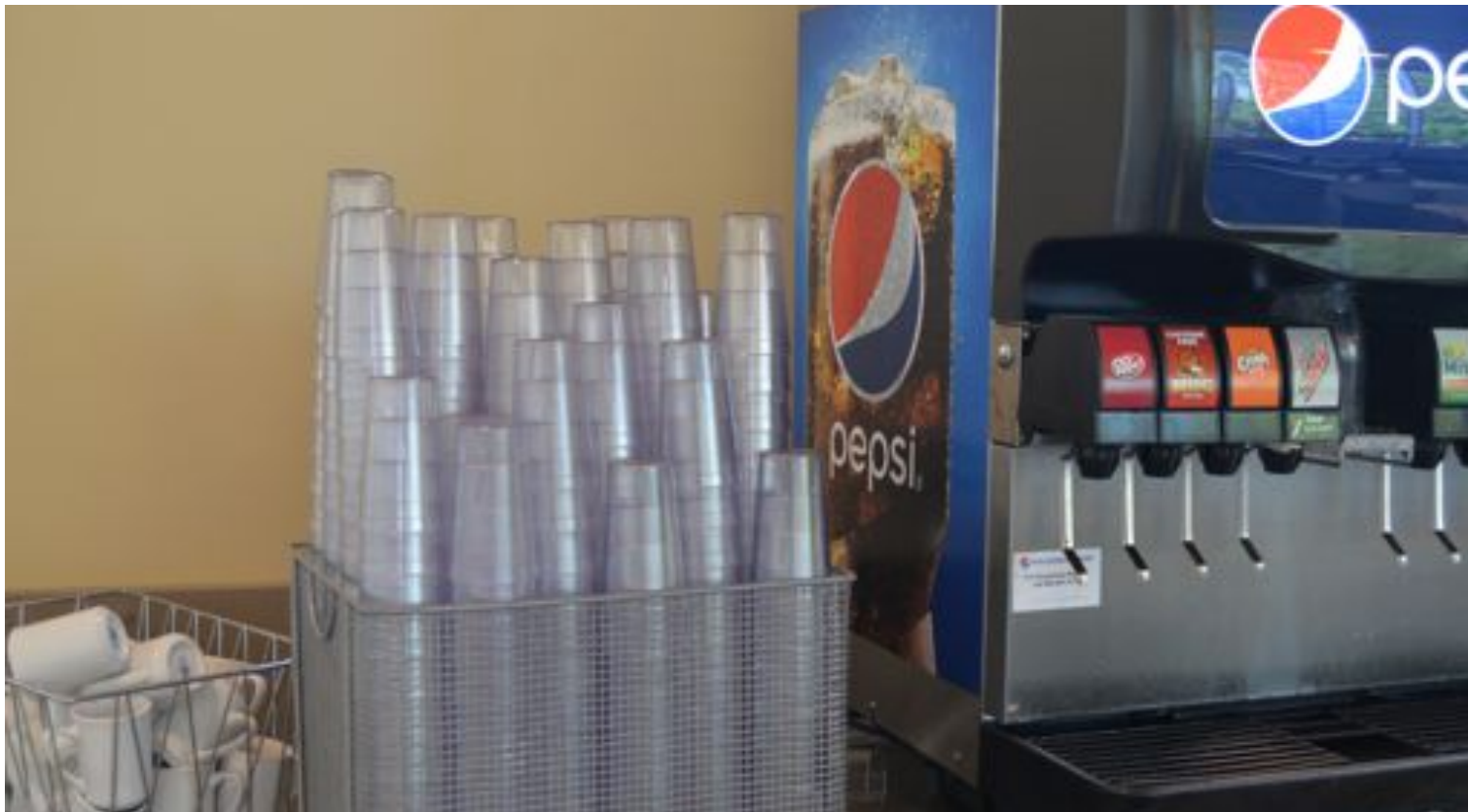
All university E-waste is recycled in the U.S.; nothing is land-filled.

Water



**Student water
bottle initiative**

Food Service



Washable service wear is used in dining facilities.

Electricity



Student electricity generating initiative

Electricity



Powersol

Outdoor Pursuits



Outdoor Pursuits follows Leave No Trace principles

Health



Sustainability
also applies to
human health

Next Steps

Sustainability opportunities are enormous. Some key points.

- Hire a sustainability director
- Continue to implement measures to reduce energy consumption
- Continue other ongoing resource conservation measures
- Engage students in sustainability efforts
- Work on the hardest part: behavioral change

Total Energy Consumption

Bldg	Sq Ft (000s)	Therms /yr	Therms /sqft-yr		Bldg	Sq Ft (000s)	Therms /yr	Therms /sqft-yr
Murdock	13.6	36,270	2.672		Walter	54.3	42,405	0.781
UC	43.1	71,490	1.658		Jefferson	53.6	40,326	0.753
Strain	30.4	40,631	1.337		HPC-1	106.3	75,811	0.713
Carnegie	17.0	19,452	1.145		Stoller	90.0	63,632	0.707
Scott	40.3	43,671	1.082		Clark	53.6	36,302	0.677
HPC-2	59.8	62,683	1.048		Price	17.4	11,736	0.674
Marsh	37.6	38,664	1.028		Berglund	42.3	26,224	0.620
TMde	22.1	22,692	1.027		Gilbert	61.5	32,307	0.525
Library	49.0	45,110	0.921		Burlingham	59.9	27,277	0.456
Warner	19.2	16,165	0.841		McCormick	42.5	18,776	0.442

Building Energy Reduction



Walter Hall, old oil boiler converted to natural gas

Landscaping



Landscaping practices are not sustainable

Non-native species



Ginkgo biloba, native to China

Non-native species



Monkey puzzle tree, native to the Andes

Non-native species



Rosemary, native to the Mediterranean and Asia

Making a Difference

- Recycling** Always, every time, recycle cardboard, paper, plastic containers, glass containers, styrofoam blocks, toner cartridges, etc.
- Reuse** Use both sides; print double-sided; use interoffice envelopes
- Reduce** Don't print; store docs electronically; group purchases
- Travel** Walk, bike, use TriMet, car pool, make next vehicle high mileage, use teleconferencing
- Electronics** Turn off computers, copiers, printers, and other electronic devices at night, weekends, and when you're out of the office for extended periods
- Lights** Turn off lights when not in office

THANK YOU!

QUESTIONS OR COMMENTS

