Sustainability Leadership in Action

Environmental Stewardship and Sustainability Office
About the University of Washington

- Founded in November 1861
- 48,022 Students (undergraduate, graduate, professional)
- $1.5 billion Research Awards (largest federally funded public research institution in America)
- Campuses in Seattle, Tacoma and Bothell
- 16 major schools & colleges
- UW Medicine (School of Medicine, University of Washington Medical Center, Harborview Medical Center, and UW Physicians Neighborhood Clinics)
- $2B Endowment
1. **1947—Department of Meteorology**: Established by Prof. Phil E. Church with a focus on climatology. Later became the Dept. of Atmospheric Sciences.

2. **1947—Division of Health Services**: Charged with providing on-campus environmental health and safety services.

3. **1966—Environmental Health & Safety**: New administrative department builds on groundwork of Division of Health Services.

4. **1973—Institute for Environmental Studies**: IEG was founded after the first UW-wide Earth Day in 1972. It was the seat of UW's environmental program for over two decades.

5. **1977—Joint Institute for Study of the Atmosphere and Ocean**: JISAO was formed in collaboration with NOAA, the National Oceanic and Atmospheric Administration.

6. **1987—Central Utility Plant**: Power plant converted from coal to natural gas, reducing carbon emissions for 40,000 mT per year.

7. **1991—U-PASS**: U-PASS program initiated to promote better commuting options. By 2007, vehicle trips reduced to pre-1990 levels despite 24% growth in student employee population.

8. **1997—Program on the Environment**: PoE offers BA in Environmental Studies and two graduate certificate programs. Supersedes the IES.

9. **2000—Program on Climate Change**: Core departments are Atmospheric Sciences, Oceanography, Earth & Space Sciences.


11. **2005—ESAC formed**: Environmental Stewardship Advisory Committee (ESAC) formed.

12. **2007—Climate Commitment**: President Emmert signed the American College & University President's Climate Commitment.


14. **2009—Climate Action Plan**: Submitted plan to ACUPCC.


16. **2011—Revised membership and charge of Environmental Stewardship Committee (ESC), formerly ESAC**.
Environmental Sustainability Governance Structure

- Environmental Stewardship
  - Policy Statement on environmental stewardship issued in 2004
  - Sponsors are President, Provost and Senior Vice President (SVP)
  - Guided by Environmental Stewardship Committee (ESC)
- Climate Action Plan (CAP)
  - CAP Oversight Team
  - Policy Development Committees on Buildings, Land, and Information Technology
- College of the Environment (Provost’s area)
- Other Schools/Colleges
- Environmental Stewardship and Sustainability (ESS) Office (SVP’s area)
- Campus Green Teams
- Registered Student Organizations
- Policy Statement on environmental stewardship issued in 2004
- Guided by Environmental Stewardship Committee (ESC)
- Campus Sustainability Fund Committee (student funded)
- Individuals
Value of University-wide Collaboration

“Collaborative efforts that involve people across various units usually result in a broadening of governance on campus to include new groups.”

(Astin, Astin, & Associates, 2001; Kuh, 2006; Kuh et al., 2005)

Building commitment to collaborate  
Commitment to collaboration  
Sustaining collaboration

from “The Collaborative Imperative,” Kezar and Lester, 2009
Climate Action Strategic Vision

- **Who Was Involved:** Faculty, staff and students from all three campuses. Reviewed by Environmental Stewardship Committee (ESC).

- **University Review:** UW faculty, staff and students were invited to review and comment on the CAP draft. Responses from all campuses in Seattle, Bothell and Tacoma:
  - Undergraduate students: 19%
  - Graduate students: 12%
  - Classified Staff: 16%
  - Faculty/Librarian: 20%
  - Professional staff: 33%
Climate Action Plan Team Structure

UW Climate Action Plan Team Structure
May 11, 2009

Environmental Stewardship Advisory Committee
Sandra Archibald, chair

Sponsors
Mark Emmert
Vella Warren
Phyllis Wise

Oversight Team
Sandra Archibald, John Chapman, Denis Martynowycz, Ruth Johnston, Josh Kavanaugh, Bruce Balick, John Schaufelberger, IR Fulton, Stephanie Harrington, Roel Hammerschlag, Elise Davis, Claudia Freire

Advisers
Randy Hodgins, University Relations
Constance Kuyas, Advancement
Faculty Staff
Students
Other?

Will meet with Working Teams as needed

Administrative Working Team
John Chapman* (Team Leader)
Alan Wright, Student
Ann Sorno, Investments
Anne Esrkridge, Transportation Services
Aubrey Batchelor, Student, Project support
Bradley Povik, Student
Celeste Gilman, Transportation Services
Chris Bruno, Student
Clara Simon, CFO
Denis Martynowycz, P&B
Dennis O'Connell, Purchasing
Duncan Chalmers, Manager of Program Ops
Jeannette Henderson, Real Estate
Joel Loveland, Built Environments
John Barker, Senior Projects Estimator
Joyce Cooper, Mechanical Engineering
IR Fulton, Housing
Marilyn Montgomery, Advancement, Martin Su, Student
Milk Threlkeld, Facilities UW Tacoma
Ruth Johnston, Strategy Management
Steve Ashurst, UW Technology
Tad Anderson, Atmospheric Sciences
Terry Ryan, EH&S
Tony Guerrero, Facilities UW Bothell

Strategy Management: Environmental Stewardship and Sustainability Project support
Elise Davis, Aubrey Batchelor, Jerid Paige, Ruth Johnston, Claudia Freire

Academic Working Team
Bruce Balick*, Astronomy, Faculty Senate
John E. Schaufelberger, Built Environments (Co-Leaders)
Ashley Rumble, Student
Bridget Mason, Environmental Studies, Tacoma
Christina Heinen, Student
Christopher Bretheron, Atm. Sciences
Clara Simon, CFO
Danielle Pierce, Student
David Hendry, Information School
H. Asman Kiyok, Dentistry
Howard Chizek, Electrical Engineering
Jerid Paige, Student, Project Support, SM
Jim Gouwe, Environmental Sciences, Tacoma
Katherine Hoffman,
Kevin Lovery, Business-UW Bothell
Kermit Tuttle, Marketing
Lia Wettstein, Environmental Studies, Tacoma
LuAnne Thompson, Oceanography
Marlin Osterren, Information School
Martha Groom, Interdisc, Arts & Sci
Phil Malt, Mechanical Engineering
Rob Pena, Architecture
Samantha Crockett, Student
Stephanie Harrington, College of Env.
Theresa Doherty, Regional Affairs
Tom Hinckley, Forest Resources
Student Engagement with ESS Office

- Earth Club and Students Expressing Environmental Dedication (SEED) – produces Earth Day Celebration
- Campus Sustainability Fund (CSF)
- Partnership with Environmental Management Certificate Graduate Program to create and implement UW Zimride (ride sharing) program, STARS Evaluation and policy communications
- Participation with Undergraduate Sustainability Studio class to affect behavior change in residence halls
- “Campus Sustainability Seminar” to Freshman (Spring quarter)
- Environmental Innovation Challenge sponsored by UW Foster School of Business, College of the Environment, College of Engineering
- Collaboration on Annual Sustainability Summit
- Visitors Information Center “Sustainability Kiosk”
- Peer-to-Peer Eco Rep Program in residence halls
UW Campus Sustainability Fund

“Our goal is to create a sustainable campus and foster an environmentally conscious university culture by funding student-led projects that lessen the University’s environmental impact.”

http://csf.washington.edu

- Major student led investment towards sustainability on campus
- 5,000 signatures, volunteers, outreach campaign
- Unique fund allocation of $300,00 from Student Activities Fees
- Fund is in Year 2 of implementation
Student Activities Fees Allocation Disbursed

- $243,000 for projects
- 75% awarded to date
Student Activities Fees Allocation Disbursed

- Year 1 funded projects

2010-2011 Project Funds

- Expansion of the UW Farm, $78,307
- Nest Café, $57,455
- Other Small Projects, $3,430
- LEED Performance Analysis Intern, $14,080
- Sustainability Service Learning Liaison, $3,588
- DYI Bike Repair Stations, $7,237
- Real Food Challenge, $2,000
- Biodiversity Green Wall, $10,185
- Commuter Profile, $30,000
- Zimtervention, $8,120
- Compost Education, $12,213
College of the Environment

- Launched July 2009, the College is a world-class environmental hub focused on improved understanding of the interactions of the earth’s environment and human activities.

- Grants and contracts in excess of $74 million annually support world-renowned research on climate; marine, earth, and space processes; ecology; and natural resource management.

- Over 20 degree programs, ranging from bachelor to doctoral, with over 350 degrees awarded annually.

- More than 600 faculty and research and administrative staff work in the College.

http://coenv.washington.edu
Faculty Engagement

- ESAC/ESC (Policy oversight and decision making)
- CAP Oversight (tracking on progress on CAP)
- CSF Advisor (on committee)
- Mentoring Students (student course projects)
- Policy Development (land, energy, IT, transportation)
- Project Involvement (Paper, Smart Grid)
- Other related committee (Energy Futures/Research)
Sustainable Operations: Buildings

Ongoing Projects
- Water and energy conservation projects, green cleaning products
- LEED standard, Green roofs
- Smart Grid, Building commissioning
- Building “Green Teams”— self-service waste bins (“mini-max”) and composting

http://www.washington.edu/facilities/conserve/sustainability
Sustainable Operations: Zero Waste Goal

- Local food sourcing (UW Housing & Food Services)
- Compostable service ware
- 500 tons of waste diverted into compost
- 56% recycling rate at the Seattle campus
Sustainable Operations: Other

- Green Purchasing Policies
- Paper Conservation Program and Printer/Copier Program
- Computer Power Management
- Transportation – Green fleet, commuter services programs
- Green Office Certification
- Mailing Services reduced “junk mail” program and hybrid delivery truck fleet
Husky Green Collaborations and Recognition

- **Husky Green Award**—annual recognition program for leadership, initiative and dedication to environmental stewardship and sustainability
- **Husky Green Fund**—faculty, staff and alumni donor fund
- **Sustainability Pledge**—raise awareness and connect students, faculty and staff to campus sustainability
- **Husky Stadium** recycling and composting
- **Green Bag Networking Luncheons** (Campus green groups)
Environmental Stewardship and Sustainability Office

- LEAN and “green” work spaces encourages efficiency and collaboration
- Student staff assistants and interns
- Campus partners
- Volunteers
Communications

- Communications with UW campuses, faculty, staff and students
  - Web site, Facebook, Twitter, e-Newsletter
  - University outreach
- Reporting (College Sustainability Report Card, Princeton, Sierra Club Magazine Cool Schools, University of Indonesia GreenMetric, etc.)
- Metrics
- UW Today, UW website, email blasts
- Presentations
Communications

- A one-stop shop website – green.washington.edu

Biofuels: A Poplar Idea

The UW receives a $40 million grant to explore turning woody biomass—mainly poplar trees—into biogasoline and aviation fuel.

Get Involved
- UW Sustainability Pledge
- Environmental Stewardship Advisory Committee (ESAC)
- Climate Action Plan
- Green Teams
- Green Office Certification
- Paper Conservation Program
- Sustainability Metrics
- Donate

Husky Green Fund
helping the UW achieve its sustainability goals

R4 News
Read about waste-free holidays, reducing junk mail, Dawgs recycle, hollywood calling, and more. See the newsletter...

more...

CSF Update
Fall Quarter CSF approved projects announced December 9th. The CSF is now accepting Winter Quarter applications. More information at csf.washington.edu.

more...

UW Awards
The University of Washington received a WasteWise Honorable Mention award in the College/University category from the federal Environmental Protection Agency (EPA). See more...

more...

Upcoming Sustainability Events

Wednesday, January 4
5:00pm UW Farm All Farm Meeting

Thursday, January 5
Sustainability Dashboard

University of Washington Sustainability Metrics

- A+ Sustainability Grade
- Green Teams
- Food
- Paper
- Commuting
- Greenhouse Gases
- Electricity
- Utility Costs
- Water
- Building Construction
- Landfill Reduction
- Hazardous Waste
- Disposal Cost
Sustainability Dashboard Metric

SUSTAINABILITY METRIC: Greenhouse Gases

Greenhouse Gas emissions are broken down by ‘scope’. **Scope 1** - emissions generated by the UW on campus (e.g., burning natural gas for heating). **Scope 2** - emissions produced by generating electricity purchased by the UW (we purchase most of our electricity from Seattle City Light, which is carbon neutral). **Scope 3** - emissions produced off campus in support of UW work (commuting & professional travel). **Our goal for total emissions is a 15% reduction from 2005 levels by 2020 and a 36% reduction by 2035** (Climate Action Plan).

Excel File

**Updated May 2011**
Contact Information

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Facebook  Twitter