



University of Washington
Environmental Stewardship

How to use the ISO14001
Environmental Management System Tool
To Create Your Climate Action Plan

UW Past -

Stewardship Is Not A New Effort

- Montlake Landfill Oversight Committee—1996
- SEPA
- Hazardous Waste/Pollution Prevention
- Recycling
- Several Environmental Awards Received
- Facilities Services—Energy/Water Use Reductions
- Aggressive Transportation Management Plan--
-SOV trips reduced by ~5100 trips/day since 1989

A Grass Roots Effort to Do More

- Collaborative Interest Group:
2002--Convened by Program on the Environment (PoE), with other academic units, administrative units (CPO, REO, EH&S), and students
- Letter of Recommendations sent to EVP
- Result:
Environmental Policy Task Force established by EVP, chaired by EH&S

UW Task Force Outcomes

- 2003---Draft Policy Statement
- Proposed Action Plan
- Key Recommendations:
 - Need the UW's commitment formalized by an environmental policy statement
 - Need a permanent committee with specific charge/coordination of specific goals and objectives

(Outcomes Continued...)

- Governance Bodies (students, faculty, administration) accepted a final policy statement
- President released the Environmental Policy Statement in July 2004
- The Environmental Stewardship Advisory Committee (ESAC) was formed!!

UW PRESENT



ESAC Benefits from Commitment of UW President

- Issued policy statement
- Focuses on Stewardship in Messages
- Founding Member of Seattle Climate Partnership Agreement
- Leadership Circle of ACUPCC Climate Commitment
- Supports visibility of the UW Environmental Policy Statement and a university wide web site

www.washington.edu/about/environmentalstewardship/statement_esac.html

ESAC Organization

Reports to:

Provost Phyllis Wise &
Senior Vice President, V'ella Warren

Chaired by:

Dean Sandra Archibald

Supported by:

Environmental Stewardship Coordinator
AJ Van Wallendael, EH&S

Members Appointed



Specific ESAC Charge – the EMS

- Develop benchmark measures
- Identify long-term goals and standards
- Identify emerging opportunities for collaboration
- Identify mechanisms by which progress is known
- Interact with existing committees/activities
- Report annually

How to Use the EMS tool to Create Your Climate Action Plan



ESAC Organization – Provides Management Review & Oversight

**ESAC-
Advisory
Committee**

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graph TD; A[ESAC-Advisory Committee] --- B[Students]; A --- C[Faculty]; A --- D[Admin Units]
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Students

Faculty

Admin Units

Policy Statement

Environmental Stewardship at the
University of Washington

[http://www.washington.edu/about/
environmentalstewardship/statement_esac.html](http://www.washington.edu/about/environmentalstewardship/statement_esac.html)

Vision Underlying Policy Statement

- The UW provides educational opportunities on sound environmental practices;
- The UW creates intellectual resources used to achieve goals for sustainability for this and future generations;
- The UW creates partnerships that further the practice of environmental stewardship and sustainability

ESAC Now: Addressing Climate Change

- Assessment
- Target
- Report
- Greenhouse Gas Emissions
- Climate Action Plan

Climate Change Road Map

Road Map (ACUPCC)

1. Top-Level Commitment
Sign the ACUPCC, integrate in mission and planning
2. Strategies to get broad buy-in by the entire community - administrators, staff, faculty, students, trustees and alumni - and to get the job done
3. Implement plan and report progress to American College & University Presidents Climate Commitment

How to Use the EMS tool to Create Your Climate Action Plan



Climate Change Road Map

EMS Element(s)

Policy Development &
Management Review

Implementation

Monitoring and Measurement

Communications/Internal &
External

Climate Action Plan

1. Top level commitment
& policy integration

2. Implement and Report

3. Obtain Buy – in from
university community

ESAC Organization – EMS Development & Planning Stage

Climate Action Team



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graph TD; CAT[Climate Action Team] --- S[Students-Capstone Projects]; CAT --- F[Faculty ESAC Chair & Climate Impact Group]; CAT --- A[Admin Units EH&S, FS, CPO Purchasing HFS];
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Students-
Capstone
Projects

Faculty
ESAC Chair &
Climate
Impact Group

Admin Units
EH&S, FS, CPO
Purchasing
HFS

Climate Change Drivers

(EMS – Planning; Regulatory Requirements)

- Washington State Mandates
- American Colleges & Universities Presidents Climate Change Initiative (ACUPCC)
- Association of the Advancement of Sustainability in Higher Education (AASHE)
- Seattle Climate Partnership
- Institutional Culture and Policies

Climate Strategic Planning Session

- Facilitated Session – 4 hours
- Invitees included students, faculty and staff
- Created Vision, Mission and goals for reducing UW climate impacts

Climate Action Team

(EMS Implementation/Checking/Monitoring & Measuring)

EMS Element(s)

Measure progress towards the University's stated expectations

Management Review

Coordinate the UW commitment to environmental stewardship

Climate Action Plan

Green House Gas Emissions Inventory
Annually updated

Advise the Provost and SVP on progress towards expectations

Collaboration between the Climate Action Team and the Climate Impact Group

Partnerships Supporting the Climate Action Team

- Extend collaboration and promote progress
- Provide Additional Expertise
- Strong interests
- Current partners:
 - Students Interest Groups and Organizations
 - Climate Impact Group - Academic researchers/faculty
 - Administrative Offices (REO, Purchasing)
 - Community

Climate Action Plan Format

ACUPCC Implementation Guide (Sept 2007)

EMS Element(s)

Policy

Env. Aspects/Impacts

Targets/Objectives/Goals

Communication/Outreach

Implementation

Monitoring

Management Review

Climate Action Plan Table of Contents

Introduction

Campus Emissions

Mitigation Strategies

Educational, Research,
Community Outreach Efforts

Financing

Tracking Progress

Let's go to the ACUPCC website

For More Information and Example Plans

<http://www.presidentsclimatecommitment.org/html/overview.php>

Now What?–July to December 2008

EMS Element(s)

ID Environmental
Aspects & Impacts

ID Objectives

Set Targets

Create Program

Climate Action Plan

Equipment/Building
Inventories

Behaviors Surveyed

Climate Impacts– GHG
Inventory

Opportunity Costs of
Reduction

Resources ID

Write Plan

Future – Implementation

(EMS Elements Not specific to Climate Action Plan)

To Be Defined (the missing pieces):

- Roles and Responsibilities
- Training and Communication
- Document Control
- Emergency Preparedness & Response

Future - Checking/Corrective Actions

<i>EMS Element(s)</i>	<i>Climate Action Plan</i>
Measurement/Monitoring	Metering GHG Inventory
EMS Nonconformance	To be determined
Corrective Actions	To be determined
Records	To be determined
EMS Audits	To be determined

Future - Management Review Process

In progress:

ESAC is the Climate Action Team now

To Be Determined:

A Climate oversight committee will probably be established

Summary & Take-Aways

- The EMS can be a useful tool as new regulations and requirements arise
- The Climate Change Initiative does not have to be daunting, if you have a plan and a team
- You don't have to be a Climate Change Expert to prepare a good Climate Action Plan

Hot off the Press

July 31, 2008

“Congress Votes to Fund the Sustainability Movement in Higher Education (Washington) - Today Congress passed all provisions of the Higher Education Sustainability Act (HESA) as part of the new Higher Education Opportunity Act of 2008 (HR 4137). HR 4137, expected to be signed into law shortly.... .”

For more information, visit www.FundEE.org. CONTACT: Jim Elder, Director, Campaign for Environmental Literacy(978)

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ANY QUESTIONS?

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CUHWC August 2008

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