



Greener Institutions for a Changing Climate

A one-day conference at Willamette University, Salem, Oregon -- September 26, 2001

The purpose of this conference is to explore ways that educational, governmental and industrial institutions can respond locally to global environmental challenges. The conference will be directed at disseminating concrete proposals and ideas for institutional change – how to compute an organization’s climate footprint, how to upgrade existing buildings and plan new, more environmentally friendly ones, and how to develop institutional commitment for adopting these kinds of changes.

The conference is being held in conjunction with an evening lecture by author and entrepreneur Paul Hawken. His lecture, titled “The Quest for Sustainability” is sponsored by The Dempsey Foundation, and is the first in a series of lectures at Willamette University on environmental issues.

These events are made possible by the generosity
of the following *sponsors*:

The Dempsey Foundation

ECOS – Environmental Community Outreach Society

Portland General Electric

Portland General Electric Earth Advantage

Willamette University Educational Programs Committee

Willamette University Department of Environmental and Earth Science

Willamette University Public Policy Research Center



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Conference Location: Montag Center, Willamette University

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| 8:00 – 9:00 | Registration and Continental Breakfast |
| 9:00 – 10:00 | Welcome – Tori Haring-Smith, Dean, WU College of Liberal Arts
Keynote Address – Christine Ervin, U.S. Green Building Council |
| 10:15 – 12:30 | Morning Workshops <ul style="list-style-type: none">• Panel 1- Low Cost Options for Reducing Greenhouse Gas Emissions: How Far Can the Northwest Go?• Panel 2-Green Buildings and Technology |
| 12:30 – 1:30 | Lunch |
| 1:45 – 4 | Afternoon Workshops <ul style="list-style-type: none">• Panel 3-Fostering Institutional Commitment• Panel 4-Calculating a Climate Change Footprint |
| 4:15 – 5 | Closing Remarks (speaker TBA) |
| 5:15 – 6 | Tour of a local 'green' building: Marion County Courthouse Square Building, 100 High Street NE. <i>Limited to first 15 people to sign up at registration desk.</i> |
| 8 p.m. | Lecture by author and entrepreneur Paul Hawken : "The Quest for Sustainability." Sponsored by The Dempsey Foundation. (no charge for the lecture, seats on a first-come first-served basis).
Lecture Location: Hudson Hall, Mary Stuart Rogers Music Building, Willamette University. |
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Panel 1 -- Low Cost Options for Reducing Greenhouse Gas Emissions: How Far Can the Northwest Go?

Opponents of slowing climate change argue that it will be too costly. Yet most observers agree that energy efficiency and renewable energy technologies offer at least some potential for reducing greenhouse gas emissions at low cost. What do these options look like for the Northwest? Can we make a significant dent in greenhouse gas emissions at low or even no cost? Discussion may also include the current "energy crisis" and sustainable solutions.

Moderator: Don Negri, Professor of Economics, Willamette University

Panelists: Eban Goodstein, Associate Professor of Economics, Lewis and Clark College

Rhys Roth, Co-Director, Climate Solutions

Peter West, Assistant Director, Renewable Northwest

Panel 2 – Green Buildings and Technology

This panel on green buildings will provide concrete information to facilities managers, institutional administrators, and the general community regarding architectural designs and technologies that can reduce energy consumption and material waste, constrain or eliminate toxic out-gassing, and mitigate other environmental impacts of buildings. The goal of the panel is to familiarize attendees with the potential scope and scale of what can be done with new and existing facilities, discuss obstacles, and view successes. The panel will include discussion about the challenges and opportunities of green building certification programs - like the US Green Building Council's LEED program. Attendees will learn about effective strategies that they can implement to substantially reduce the environmental footprint of their buildings and campus.

Moderators: Nathan Good, AIA, Director of Green Building Services, Portland General Electric

Bob Hawkinson, Dean of Campus Life, Willamette University

Panelists: Michael Sestric, Campus Planner, Lewis and Clark College

Mike O'Brien, Green Building Specialist, City of Portland, Office of Sustainable Development

Charles Stephens, Policy Analyst, Oregon Office of Energy

Heinz Rudolf, AIA, Principal - Architect, BOORA Architects

Paul Schwer, PE, Principal - Mechanical Engineer, PAE Consulting Engineers

Panel 3 -- Fostering Institutional Commitment

Recognizing that individual efforts are often stymied by lack of institutional support, this workshop will provide strategies for implementing programs for offsetting climate change impacts. The panel will include representatives from a variety of types of institutions – including universities, industry, and government.

Moderator: Charlie Wallace, Chaplain and Professor of Religious Studies, Willamette University

Panelists: Clark Gaulding, U.S. Environmental Protection Agency

Peter Schoonmaker, Institute for the Northwest

Bryan Johnston, Dean, Atkinson School of Management, Willamette University

Panel 4 -- Calculating a Climate Change Footprint

In this workshop we'll examine the ways in which our daily activities as individuals and institutions can impact climate change, for the better or worse. This workshop will focus on computing a "climate footprint" as a way to take stock of an organization's impact on climate. Using case studies and simple electronic spreadsheets, we'll demonstrate how individuals and institutions can calculate their contributions to climate change and discuss ways to offset the impacts.

Moderator: Karen Arabas, Assistant Professor of Environmental Science, Willamette University

Panelists: Eban Goodstein, Associate Professor of Economics, Lewis and Clark College

Julian Dautremont-Smith, Lewis and Clark College

Diana Deumling, Research Associate, Redefining Progress

Jim Goddard, Nike

SPEAKER BIOGRAPHIES



Christine A. Ervin, President & CEO
U.S. Green Building Council
Keynote Speaker

Christine A. Ervin is President and CEO of the U.S. Green Building Council, the nation's foremost coalition of leaders from across the building industry to advance buildings that are environmentally responsible, profitable and healthy places to live and work. She is a founding Board member of the Oregon Energy Trust, Inc., a nonprofit group recently established by the Oregon Legislature to allocate utility funds for energy efficiency and renewable energy.

From 1993 – 1997, Christine served as Assistant Secretary for the Clinton Administration's \$1 billion portfolio of energy efficiency and renewable energy programs for buildings, vehicles, major industries and utilities. She has launched several initiatives including the EPA-DOE Energy Star partnership, a highly acclaimed reinvention of the national appliance standards, the Buildings for the 21st Century effort, and a national center on sustainable communities.

Previously, Christine directed the Oregon Department of Energy from 1991- 1993, chaired Governor Barbara Roberts' Livable Communities Task Force, and directed budget policy for the State of Missouri. She also conducted research at the Conservation Foundation and the World Wildlife Fund.

Panelists:

Julian Dautremont-Smith, Lewis & Clark College, julian@lclark.edu, www.lclark.edu
Julian Dautremont-Smith is a junior environmental studies major at Lewis & Clark College. He is currently engaged in greenhouse gas emissions inventory of the college and hopes to make the campus go climate neutral in the near future.

Diana Deumling, Research Associate, Redefining Progress, deumling@rprogress.org, www.rprogress.org

Diana Deumling works in the Sustainability Program to develop Ecological Footprint analysis and applications at a variety of scales, from the national to the household level. Prior to joining RP, she gained research and outreach experience from two Bay Area nonprofits: the Institute for Food and Development Policy (Food First) and the Center for Urban Education about Sustainable Agriculture (CUESA). Ms. Deumling received her M.S. in Conservation Ecology and Sustainable Development from the University of Georgia's Institute of Ecology, specializing in agricultural ecology. She holds a B.S. in Environmental Science from Willamette University.

Jim Goddard, Director, Corporate Responsibility Business Development, Nike Corporation, Jim.Goddard@nike.com

Jim Goddard created Nike's first comprehensive Greenhouse Gas inventory. He is also coordinating the development of a GHG strategy across all areas of Nike. Jim has been with Nike for 5 years working on product take back and sustainability issues. He has worked as an engineer for 20 years in the capacity of a project engineer, consulting engineer and manager of government environmental programs.

Nathan Good, AIA, Director, Green Building Services, Nathan_Good@pgn.com, www.GreenBuildingServices.com

Nathan Good is a registered architect and certified interior designer with more than 20 years of professional experience. As Director of Green Building Services at Portland General Electric, Nathan provides energy-efficiency and environmental design consulting services to building owners, architects and facility managers for commercial and institutional projects. Nathan was one of the first individuals in the US to receive the designation of LEED Accredited Professional by the US Green Building Council. He

has been involved with some of the most respected green building projects in the Pacific Northwest and was named the "2000 Energy Manager of the Year" by the Association of Professional Energy Managers.

Eban Goodstein, Associate Professor, Lewis & Clark College, eban@lclark.edu,
www.lclark.edu/~eban/

Eban Goodstein is an Associate Professor of Economics at Lewis & Clark College in Portland, Oregon and a Research Associate at the Economic Policy Institute in Washington, D.C. Dr. Goodstein was a member of the Working Group on Jobs and Economic Development of the President's Council on Sustainable Development and has served on the Curriculum Committee of the International Society for Ecological Economics. He has been a consultant to the Manpower Resources Development Corporation, and the Rockefeller, MacArthur and Pew foundations. He serves on the Board of Directors of the Center for Watershed and Community Health, and also coaches youth soccer. He Received his B.A. from Williams College and his Ph.D. from the University of Michigan.

Brian Johnston, Dean and Professor of Conflict Management, Willamette University
Atkinson Graduate School of Management, johnstob@willamette.edu,
www.willamette.edu

Brian Johnston is Dean of Willamette University's Atkinson Graduate School of Management. He is a Professor of Conflict Management and served as interim president of the Willamette University from 1997-1998. Brian served in the Oregon House of Representatives from 1994-1998. He had a private dispute resolution practice from 1990-1997 and has worked as a consultant to Nike, Inc., SAIF, the State of Oregon, the City of Seattle, State Farm Insurance, Farmer's Insurance and the Bonneville Power Authority.

Mike O'Brien, Green Building Specialist, City of Portland's Office of Sustainable
Development, mobrien@ci.portland.or.us, www.green-rated.org

Mike O'Brien came to green building from his work in energy efficiency and indoor air quality. He has helped create several demonstration projects, including the HERE Today house, City Life, Habitat for Humanity, American Lung Association Health House and Johnson Creek Commons. Mike and Debbi Allen created the original 'Earth Smart' green building program for Portland General Electric, and Mike provided technical assistance to participating developers and designers. Mike led the team that created the 'betterbricks.com' web site and information program for the Northwest Energy Efficiency Alliance. He holds a Masters of Regional Planning degree from the University of North Carolina.

Rhys Roth, Founder & Co-Director, Climate Solutions, rhys@climatesolutions.org,
www.climatesolutions.org

Rhys Roth is founder and Co-Director of Climate Solutions, whose mission is to help the Pacific Northwest become a world leader in practical and profitable solutions to global warming. He speaks frequently in the region about global warming, often garnering newspaper, radio and television coverage. Rhys earned his master's degree from Evergreen State College in 1990. He attended the international global warming negotiations as an observer in Kyoto, Japan in 1997, Buenos Aires, Argentina in 1998 and Bonn, Germany in 1999. In April 2001 he was part of the 4-person Washington State delegation to the Crimea to help business, government and non-profit leaders develop a clean energy leadership plan.

Heinz Rudolf, AIA, Principal, BOORA Architects, Rudolf@BOORA.com,
www.boora.com

Heinz Rudolf is a principal at BOORA Architects. He joined BOORA in 1962 and since that time has led the design and construction of more than 65 schools throughout the Northwest. His visionary leadership in the development of energy efficiency, daylighting, mixed-use programs and classroom flexibility has elevated the region's quality of practice. Several current school facilities he is working on, including the new Clackamas High School under construction, incorporate these strategies and serve as a model for high performance design.

Peter Schoonmaker, Board President, Institute for the Northwest,
schoon@inorthwest.org, www.inorthwest.org

Peter Schoonmaker is founding Board President of the Institute for the Northwest, a non-profit that provides a forum for environmental innovators to exchange ideas and increase the scientific rigor of public discourse about environmental issues in the Pacific Northwest. He has worked with numerous conservation organizations, community groups, government agencies, and natural resource businesses to craft mutually beneficial forest, fisheries and watershed partnerships in the Pacific Northwest. Previously, he developed a web-based conservation information system and news service, assessed the status of salmon for western North America, and coordinated several watershed assessments. Peter holds academic positions at Portland State University, Willamette University, and Oregon State University. He earned a Ph.D. in biology from Harvard University.

Paul Schwer, PE, Principal – Mechanical Engineer, PAE Consulting Engineers,
pauls@paemail.com, www.paemail.com

Paul Schwer has over 15 years of mechanical design experience including heating, ventilation and air conditioning, piping, energy studies and smoke control. He has designed the mechanical systems for a number of office buildings, laboratories, educational and library projects. He is also experienced with sustainable design and enjoys working collaboratively with owners and architects to identify and implement green design solutions.

Michael Sestric, Campus Planner, Lewis and Clark College, sestria@lclark.edu,
www.lclark.edu/~planning/

Michael Sestric is responsible for guiding Lewis & Clark College's long-range master planning process and construction program planning activities. Mr. Sestric has over 25 years experience in architecture, construction management and campus planning. In addition to experience in private architectural practices, he has served as University Architect at Oregon State University and as Hospital and Clinic Project Manager at Oregon Health Sciences University. Mr. Sestric has a Master of Architecture from North Carolina State University.

Charles Stephens, Policy Analyst, Oregon Office of Energy,
Charles.M.Stephens@state.or.us, www.energy.state.or.us

Charlie Stephens is a policy analyst in the Technology Development section of the Oregon Energy Office. He is the sustainability lead for the Office. He represents the energy interests of the State of Oregon in a host of local, state, regional and national energy efficiency forums, coordinating program activities with those of others. He is a past member of the Secretary of Energy's Advisory Committee on Appliance Energy Efficiency Standards. Most current work involves researching and developing pilot implementation programs for innovative resource-saving technologies. These include fuel cell systems, waste-to-energy processes, waste heat recovery, pavement design, sustainable building and development, and advanced appliance technologies.

Peter West, Assistant Director and Economist, the Renewable Northwest Project,
peter@rnp.org, www.rnp.org

Peter West is the Assistant Director and economist for the Renewable Northwest Project, a consortium of renewable energy developers, energy efficiency companies, environmental groups and consumer activist organizations, all dedicated to developing environmentally safe power resources and promoting clean air programs and policies. Mr. West is one of the founders of the Oregon Climate Trust, and helped to launch the Oregon Rivers Council, now the Pacific Rivers Council. Before Renewable Northwest Project, Peter was a Supervisory Regional Economist for Bonneville Power, overseeing the economic and electrical demand forecasting. Mr. West has a graduate degree in Agriculture and Resource Economics from Oregon State University and a bachelors of Science degree from the University of Maine.

REGISTRATION INFORMATION

- Conference registration required for all paid and free registrations. Registration provides for admission to all daytime sessions, copies of all conference materials, morning and afternoon snacks and a full lunch. **The registration deadline is Friday, September 21, 2001.**
- The conference will be headquartered at the Montag Center on the Willamette University campus. A campus map is available at:
<http://www.willamette.edu/publicpolicy>
- Admission to the evening lecture by Paul Hawken is free and open to the public, with or without conference registration. The lecture will be held in Hudson Hall in the Mary Stuart Rogers Music Building.
- To register: send the following page and a check made out to *Willamette University* for your registration fee to:

Public Policy Research Center
321 Smullin Hall
Willamette University
900 State Street
Salem, OR 97301

- For more information, contact the Willamette University Public Policy Research Center:

<http://www.willamette.edu/publicpolicy>
email: publicpolicy@willamette.edu
phone: 503.370.6961

- For directions to the Willamette University campus go to
<http://www.willamette.edu/admission/direction.html>.

Registration Fees:

Event Supporter (provided with display space).....	\$100
Regular Registration.....	\$40
Student Registration.....	\$ 5
Willamette University faculty, staff, students.....	free

A limited number of scholarships are available.



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REGISTRATION FORM

Registration deadline: September 21, 2001. Send this page and check payable to Willamette University to:

Public Policy Research Center
321 Smullin Hall
Willamette University
900 State Street
Salem, OR 97301

Name: _____

Affiliation (for name tag): _____

Address: _____

City, State, Zip Code: _____

Phone: _____ Email: _____

Registration Level:

Event supporter (\$100) Regular (\$40) Student (\$5) Willamette (free)

To help us in the planning process, please indicate which workshop sessions you are planning to attend:

Morning Workshops (10:15-12:30)

- Panel 1- Low Cost Options for Reducing Greenhouse Gas Emissions: How Far Can the Northwest Go?
- Panel 2-Green Buildings and Technology

Afternoon Workshops (1:45-4:00)

- Panel 3-Fostering Institutional Commitment
- Panel 4-Calculating a Climate Change Footprint

Thank you!