

SUSTAINABLE EWC

Recap of 2009-2010

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Aloha and thank you for your interest in Sustainable EWC, an East-West Center participant-founded initiative to “green” the Center. The initiative was formerly established in October 2008 through a student-organized strategic planning process. Since then, over 100 EWC participants representing more than 25 countries have contributed to its cause.

The goals of Sustainable EWC are to:

1. Reduce the East-West Center’s environmental impact,
2. Create a healthier, more sustainable and livable community,
3. Use the lessons we learn here to help care for the health of the environment and quality of life in our home countries.

The East-West Center Participants Association (EWCPA) Board has committed itself to reducing the EWCPA’s environmental impact through the adoption of the “EWCPA Declaration of Sustainability.” Representatives from the EWCPA Board and volunteers from the EWCPA community have worked to improve our participant-run recycling program, experiment with composting, offer regular sustainability-related learning and outreach opportunities for EWC participants, and collaborate with EWC Facilities to reduce our energy and water use. In Fall 2009, EWC President Charles Morrison expanded on this initiative by establishing an institution-wide Environmental Sustainability Task Force at the request of the EWCPA President and Sustainability Team. This newsletter, produced by students in the EWCPA Sustainability Team and funded by our recycling efforts, gives an introduction to the sustainability-related programs and accomplishments of the East-West Center during 2009-2010. Mahalo for your interest and support!



STUDENT INITIATIVES



Recycling

EWC participants have continued to organize bi-weekly recycling in both dormitories (Hale Manoa and Hale Kuahine) and Hale Halawai. More than 20 participants contributed over 300 hours to recycling efforts during the 2009-2010 school year. The EWCPA Sustainability Team is collaborating with EWC Facilities to institutionalize recycling activities by contracting a professional organization to pick up recyclables from the EWC dorms.



Sustainable Sunday Movies

Every Sunday evening, movies and documentaries on sustainability-related issues are screened in the Hale Manoa reading room. The Sustainable Sunday Movies program provides participants with further knowledge on global and local environmental issues, and encourages discussion on these topics amongst the EWCPA community. During the 2009-2010 school year, we screened fifteen movies and documentaries and hosted several guest speakers.

Sustainabili-Tea

Sustainabili-Tea is a monthly gathering to discuss sustainability issues at the East-West Center, in Oahu, and beyond. During 2009-10, participants in Sustainabili-Tea organized field trips and outreach activities for the EWCPA ohana.

Organic gardening

The EWCPA provides lots for participants to practice organic gardening. Students use these lots to grow their own organic vegetables, fruits, and herbs. This year, the EWCPA Garden Coordinator organized field trips for the gardeners to MA'O Organic Farms to learn new techniques in organic farming.

Composting

The EWCPA gardeners have been experimenting with the use of organic fertilizer collected from the food waste generated by Hale Kuahine. They are trying to work out the kinks of this system, and hope to establish a regular composting program in the future.



STUDENT INITIATIVES

Tour de Trash

EWC participants joined the University of Hawaii at Manoa Geography Department for Oahu County's "Tour de Trash" in October 2009, which included stops at Waimanalo Gulch Landfill, Schnitzer Steel Recycling, and HPower (Trash-to-Energy) in Kapolei.



MA'O Organic Farms

A series of trips to MA'O Farms in Wai'anāe were organized for EWC participants to learn techniques in organic farming and sustainable building construction. These opportunities enabled participants to be involved in and contribute to the greater Oahu community, while also gaining new skills in organic farming and green building design and construction.



Earth Day 2010

The EWCPA Sustainability Initiative was represented for the second year in a row at the University of Hawaii's Earth Day celebrations. EWC participants designed a booth display highlighting the Center's accomplishments and organized sustainability-related games and prizes.

Declaration of Sustainability

The EWCPA Board adopted the *EWCPA Declaration of Sustainability*. They have put this into action by:

- (1) encouraging the EWCPA community to bring their own reusable cups, plates and utensils to EWC activities where food is provided; and only purchasing biodegradable, recycled &/or recyclable supplies and materials for EWCPA-sponsored events;
- (2) utilizing local &/or organic foods and food vendors for EWCPA-sponsored events whenever possible;
- (3) promoting and expanding recycling efforts in collaboration with EWC Facilities;
- (4) Supporting opportunities for students to learn more about issues of sustainability through volunteer projects, sponsored events, and EWC orientation;
- (5) Working with the EWC Administration to limit the Center's impact on the natural environment while promoting a more sustainable and comfortable living environment for all participants; and
- (6) Establishing 3 new constitutional board positions: 2 Sustainability Coordinators and 1 Garden Coordinator.

Sustainable EWC Initiative Expands

In Fall 2009, the EWCPA President and Sustainability Coordinators met with EWC President Charles Morrison to discuss ways of lessening the Center's environmental impact. As a result, President Morrison established the EWC Environmental Sustainability Task Force. This Task Force is comprised of members representing Research, Education, Seminars, Facilities, Publications, and the EWCPA.



INSIDE THE EAST-WEST CENTER

Energy-saving strategies 2007-09

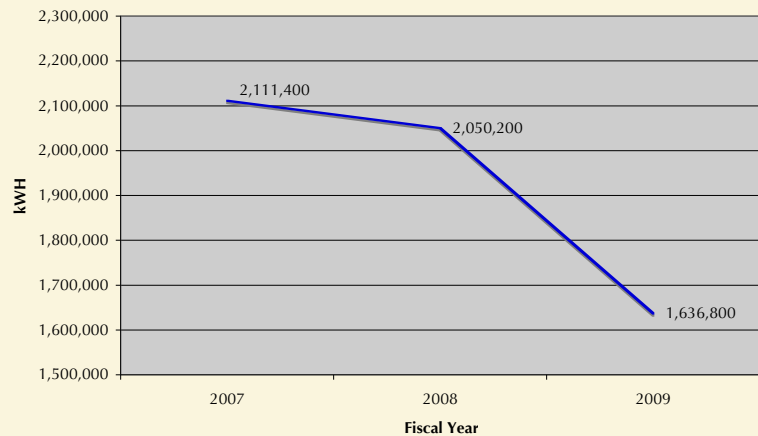
Since 2007, EWC Facilities and members of the EWCPA Sustainability Initiative have been meeting every semester to discuss how the Center can reduce its energy and water consumption and waste generation. Below are actions specifically targeting EWC's energy use that have been taken:

- ◆ EWC participants designed and put up signs in dorm bathrooms to raise awareness about energy and water use
- ◆ The light bulbs in Hale Manoa and Hale Kuahine were changed to compact-fluorescent bulbs
- ◆ Automatic motion-sensor lights were installed in the laundry rooms and kitchen lanais
- ◆ Burns Hall underwent a de-lamping process during which approximately 2,000 bulb were removed
- ◆ Energy efficient roof-top A.C. units were installed on Burns Hall
- ◆ Every thermostat in Burns Hall was increased by 2 degrees
- ◆ The A.C. in Burns Hall is now being turned off on weekends and holidays

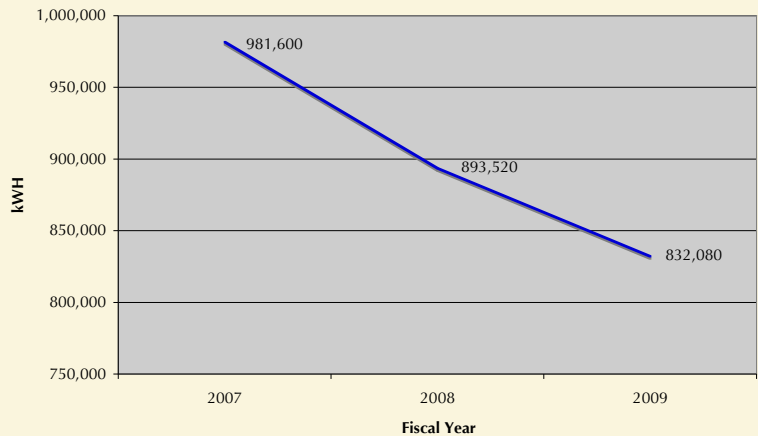
These actions helped make the energy savings shown in the graphs to the right possible. Since 2007, Burns Hall reduced its energy consumption by 22.5%, Hale Manoa by 15.2%, and Hale Kuahine by 14.6%. This is a total of 646,040 fewer kilowatt hours used in 2009 versus 2007! With the cost of energy being higher in Hawaii than any other state in the USA, these savings help sustain both the Center's budget and the environment.

EWC ENERGY REDUCTIONS PER FISCAL YEAR

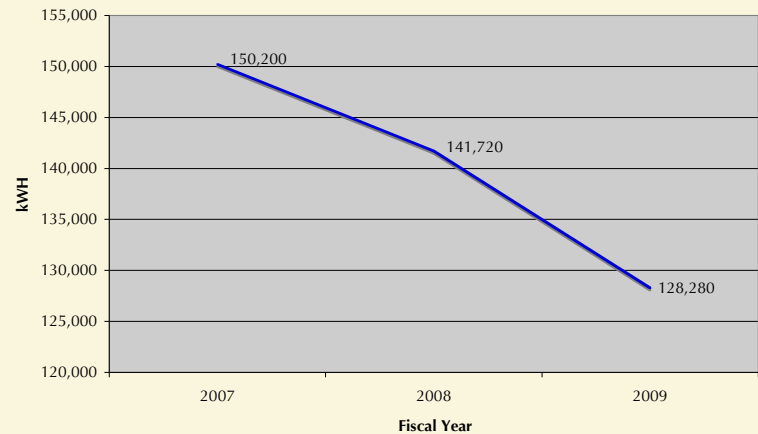
Burns Hall Energy Use 2007-09



Hale Manoa Energy Use 2007-09



Hale Kuahine Energy Use 2007-09



INSIDE THE EAST-WEST CENTER

Energy, Water & Waste Reduction Plans for 2010 and Beyond

The East-West Center has initiated several energy and water conservation and waste reduction measures for fiscal year 2010. The Facilities Management Office has continued to consult with Hawaiian Electric Company, Inc., local contractors, and local engineering firms to generate ideas for inclusion to our sustainability initiatives action list. The various initiatives range from low or no cost projects to higher cost capital improvement plans.

Low cost projects include the installation of low-flow aerators on the Hale Manoa and Hale Kuahine bathroom sinks, the addition of dedicated corrugated cardboard and mixed recyclables bins, and the implementation of a green cleaning program in all buildings. The low-flow aerators reduce water consumption from 2.5 gallons per minute (gpm) to 0.5 gpm. The new recycling bins enable EWC to further divert recyclable waste from the landfill and reduce disposal costs. Finally, we have introduced more environmentally friendly cleaning supplies and have reduced

waste with the implementation of the green cleaning program.

Some of the East-West Center's long-term capital improvement plans include retrofitting the fluorescent light fixtures in Hale Manoa, Hale Kuahine, and Lincoln Hall with energy efficient lamps and electronic ballasts, replacement of the Burns Hall chiller plant, and the installation of solar hot water systems at Hale Manoa and Hale Kuahine. The retrofitting of light fixtures is ongoing and will continue to reduce energy consumption. Specifications for new chillers and solar hot water systems have been developed and are pending funding. These projects have a higher initial cost but offer substantial energy savings.

- Kris Thompson, EWC Facilities

PUBLICATIONS

The EWC launched a new branding program in 2009 to bring coherence to all institutional materials, from print to web. A critical component of that program is the Center's commitment to having a lighter footprint environmentally. The Publications Office, in its role as the Brand Management Office for the EWC Brand Program, has principal responsibility for promoting this commitment within the institution.

We are expressing this commitment through various actions. For example, all EWC stationery is now printed on recycled content paper. All publications from the Center are printed on recycled paper or paper that has been produced through the Forest Stewardship Council. For a paper grade to be FSC certified and bear the FSC symbol, 70% of its pulp must come from forests which are sustainably managed according to FSC guidelines. Additionally, all inks used in printing are now vegetable-based (replacing the petroleum-based inks of old) and low VOC (volatile organic compounds).

Ultimately, the less paper we use, the lighter our environmental impact or footprint. The Center is working to "slim down" its informational materials, referring readers to web-based information whenever practical.

- Carol Wong, EWC Publications



Welcoming "bright ideas" for the East-West Center and the environment

EDUCATION

New EWC Education Program Fosters Environmental Leadership

The Study of the U.S. Institute for Student Leaders on Global Environmental Issues (SUSI) is a five-week program for Southeast Asian undergrads hosted by the East-West Center, in partnership with the UH Environmental Center, Yale University's Global Environmental Governance Project, the Kohala Center and the Nature Conservancy. For the last two summers, the U.S. Department of State Educational and Cultural Affairs Bureau has funded twenty students to come to Hawaii to learn



Summer 2010 SUSI participants

from community leaders, researchers, private business and non-profit directors, and government representatives about the environmental issues we face in Hawaii and the solutions we are trying here. Just as important to this learning exchange is the concerns, experiences and knowledge students share from their home countries and communities. This year's SUSI students include a medical student from the Philippines, an environmental engineer from Kuala Lumpur, a marine scientist from Thailand and a history major from Burma.



Innovation and action drive the SUSI's curriculum and outcomes. This is why field studies are central to the program, including a week on the Big Island looking at sustainable agricultural practices and native Hawaiian land management; a morning with the Director of Hanauma Bay (an example of a positive 'eco-tipping point'); a day of team building at Kualoa Ranch high ropes course; a Tour de Trash of Oahu's composting, construction recycling, and waste-to-energy facilities; and finally a week in Washington D.C. to hear 'both sides of the story' from the U.S. Senate Committee on Environment and Public Works, democrat and republican representatives, Greenpeace, and the CATO Institute. As part of the program's curriculum, students design a one-year Action Plan, which they implement when they return home. We hope to connect SUSI with the rest of the EWC network to maximize learning, sharing and positive environmental impacts in the region.



- Christina Monroe, EWC Education

RESEARCH

The East-West Center's multidisciplinary Research Program addresses issues of contemporary policy significance in a comparative context, focusing on challenges of common concern to the Asia Pacific region and the United States. The Research Program is a source of rigorous and critical analysis and regional expertise. The Center's collaborative research and policy analysis promotes better relations and understanding among the nations of the region and contributes to both capacity and institution building.

Several projects in the East-West Center's Research Program address issues of sustainability. For instance, a NOAA-funded project "Climate Adaptation Partnership for the Pacific: Pacific Regional Integrated Science and Assessment (RISA) Phase II" examines how climate variability and change, in combination with other population and environmental stressors, impact sustainable development on Pacific Islands. Led by Senior Fellow Melissa Finucane, in partnership with many government and private organizations around the region, the project is a collaboration between the EWC; several research centers at the University of Hawaii, including the International Pacific Research Center, the Social Science Research Institute, the Water Resource Research Group, and the Center for Island Climate Adaptation and Policy; the US Geological Service; and the US Fish and Wildlife Services. Also funded by NOAA and housed in Burns Hall is the Integrated Data and Environmental Applications Center. Directed by Eileen Shea, Chief of the Climate Services and Monitoring Division of the National Climatic Data Center, the center advances NOAA's mission to meet critical regional needs for ocean, climate, and ecosystem information.

Addressing climate risks in Asian countries, Senior Fellow Roland Fuchs held a 2009 workshop "Cities at Risk: Building Adaptive Capacity for Managing Climate Change in Asia's Coastal Megacities," in Bangkok, Thailand. In collaboration with Chulalongkorn University and supported by START (global change SysTEM for Analysis, Research and Training), the Asia Pacific Network for Global Change Research (APN), and other partners, the workshop brought together climate scientists, urban planners, disaster managers and policy makers to review scientific findings and projections regarding climate related risks and assess the gaps in both the

Pictured below are the authors and editors of the East-West Center and Integrated Protected Area Co-Management Project (IPAC)'s 2010 writing workshop on "Rural livelihoods and protected landscapes: Co-management in the wetlands and forests of Bangladesh." This workshop was part of an applied research process led by Dr. Jefferson Fox of the East-West Center in collaboration with IPAC and Bangladesh's Forest and Fisheries Departments, and financed by the Government of Bangladesh, International Resources Group (IRG), and USAID. The overall objective of this research initiative is to encourage Bangladesh's Departments of Forests, Fisheries, and the Environment and local academic institutions to conduct applied research in order to support the improvement of management plans and policies for protected areas in Bangladesh.



RESEARCH

(cont.) science and policy responses. In addition, Senior Fellow Shabbir Cheema held a 2009 workshop on “Governance for Sustainable Development: Global Practices and the Chinese Experience,” in Beijing, China, in cooperation with the China Center for Comparative Politics and Economics (CCCPE). This workshop examined emerging regional and global issues in governance for sustainable development; addressed governance reform and innovations for sustainable development in China; and provided a forum to exchange experience and practices among training and research institutions and government officials. Partners include Harvard University’s Kennedy School of Government, United Nations University, Soka University of America and national institutions in six Asian countries.

In a NASA-funded project led by Senior Fellow Jefferson Fox, the effects of the explosive expansion of rubber cultivation in Montane Mainland Southeast Asia (MMSEA) on regional water and carbon dynamics are being examined. The study brings together a multidisciplinary team of specialist in three fields (remote sensing/land cover-land use, ecosystem modeling, and hydrology) from the East-West Center, the University of Hawaii at Manoa, the National University of Laos, Harvard University, and the Carnegie Institution. MMSEA is comprised of the highlands areas of Laos, Burma, Thailand, Vietnam, China’s Yunnan Province and half of Cambodia. The research builds on the many years of work on land use and land cover change in mainland Southeast Asia carried out by Jefferson Fox and his team. Understanding the dynamics of these changes within the context of a changing climate is critical to the formulation of effective policies for sustainable development.

Together, these and other research projects at the East-West Center provide knowledge and analysis of complex sustainability issues; build capacity, networks, and partnerships; and provide opportunities for policymakers from the US and the Asia-Pacific region to exchange views and build appropriate strategies for supporting sustainable development.

- *Melissa Finucane, EWC Research*

SEMINARS

The East-West Center’s Seminars Program provides opportunities for professionals and policymakers from the United States and Asia Pacific to exchange views, build networks and deepen their knowledge of regional issues through short-term educational and experimental learning opportunities. In particular, East-West Seminars leads the region in the vast array of programs and resources it offers journalists, who are critical to the communication of ideas to broader audiences and thus, to the policy-making process. With an emphasis on dialogue, East-West Seminars media programs increase knowledge and understanding among working print, broadcast and online



Fall 2009 Jefferson Fellows removing invasive algae with the Nature Conservancy and community-based Malama Maunalua at Maunalua Bay.

SEMINARS

journalists in the U.S. and Asia Pacific through discussing with experts, study tour travel and most importantly, peer-to-peer exchange. Themes are chosen to reflect issues of importance to the particular countries being visited and to the region as a whole. Recent themes have highlighted sustainability issues. By way of example, the Fall 2009 Jefferson Fellowship, which was held in advance of the U.N. Climate Change Conference in Copenhagen, provided journalists from the U.S. and the Asia Pacific with an opportunity to explore the ability and willingness of U.S. domestic and foreign policy makers to address climate change. They also looked at the issue of climate change as a means to rebuild U.S. partnerships and alliances.

Building on the success of the Fall 2009 Jefferson Fellowship, the Fall 2010 program entitled, “The Road to Energy Security: Paved with Efficiencies, Renewable Technologies and Investment” will look at two of the largest users of energy, the U.S. and China, and their efforts to address energy security. The program will take special care to look at the challenges and opportunities involved in improving energy efficiency and in developing renewable technologies. In addition, the Fall 2010 program will examine the two countries’ efforts to facilitate joint research and development. Finally, the program will explore how each country seeks to promote public and private investment in the supplies of today’s fossil fuel sources as well as the clean technologies that will transform the future energy system.

East-West Seminars has also addressed sustainability through its policy dialogue and leadership development programs. For example, a new *Urban Asia: Challenges of Transitions and Governance* seminar examines current trends and implications of rapid urbanization in Asia Pacific from a “knowledge-based” approach that integrates experience and data. This interdisciplinary, multi-country seminar series promotes information sharing between key decision makers and urbanization specialists through active city-to-city learning exchanges and through free and open discussion about the critical urban transformation challenges they face. *Building the Foundation* is a short-term professional development program designed to assist senior



Participants of the China Protected Areas Leadership Alliance discuss issues of land management with a U.S. National Parks Forest Ranger.

managers in developing countries in the Asia Pacific region in building more resilient communities and furthering their efforts to strengthen economic stability and growth. The *China Protected Areas Leadership Alliance*, a partnership with the Chinese government and the Nature Conservancy, provides training and exposure for Chinese park managers toward the goal of establishing a national park system in China.

Together the various journalism, policy dialogue and leadership development programs of the East-West Seminars provide opportunities for professionals and policymakers from the United States and Asia Pacific to exchange views, build networks and deepen their knowledge on sustainability issues.

- Carol Holverson, EWC Seminars

MAHALO

***Mahalo** to the following volunteers who were involved in the Sustainable EWC Initiative in 2009-2010 through activities such as recycling, sustainabili-tea, community gardening, learning opportunities, and policy initiatives.*

For information on the East-West Center's student sustainability initiative, please email the EWCPA Sustainability Coordinators. To learn more about the East-West Center's sustainability-related programs and initiatives, please contact the East-West Center's Environmental Sustainability Task Force.

2009-10 Volunteers

Asami Nago (Japan)
Asheshwor Man Shrestha (Nepal)
Azeema Faizunnisa (Pakistan)
Brianna McDowell (USA)
Bryan Bushley (USA)
Bui Thi Ngoc Thuy (Vietnam)
Chamil Viranga (Sri Lanka)
Chang Yu Hong (South Korea)
Cole Livieratos (USA)
Darunee Bootros (Thailand)
Deovolente Mtui (Tanzania)
Don Peel (Canada)
Dung Tien Nguyen (Vietnam)
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Hitomi Yokote (Japan)
Hong Ngo (Vietnam)
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Om Das (India)
Robbie Adams (USA)
Sakilahmed Makarani (India)
Sanyarat Meesuwan (Thailand)
Sharima Abbas (Malaysia)
Shimona Quazi (Bangladesh)
Stephanie Robinson (Fiji)
Takena Redfern (Kiribati)
Tam Nguyen (Vietnam)
Tammy Mae Summers (USA)
Thach Le Son (Vietnam)
Thong Ho (Vietnam)
Thu Hang (Vietnam)
Tom Mattson (USA)
Tshering Choden (Bhutan)
Tuan Tran (Vietnam)
Veasna Kum (Cambodia)
Walesa Edho Prabowo (Indonesia)
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