Hawai`i Sustainability in Higher Education Summit April 11&12 (+13)
Today:

Introduction: report overview

Summit outcomes/Report

Student Forum

Policy Accomplishments and Next Steps

Staffing recommendations and Reporting Structure
Key organizers
Daita Serghi (UHM)
Peter Quigley (System)
Eric Knutzen (Kauai CC)
Jennifer Chirico (UHMCC)
Joie Taylor (UHMCC)
Bob Franco (Kapi`olani CC)
Krista Hiser (Kapi`olani CC)
Philip Johnson (UHM)
Steve Meder (UHM)
Matt Lynch (fac)
Sheryl Miyashiro (UHWO)
Arora Winslade (UHWO)
Graceson Ghen (Hawai`i CC)
Cam Muir (UHH)
Over two hundred participants met and exceeded the key outcomes and expectations:

- Encourage collaboration and coordination across the state’s higher education institutions
- Develop a University of Hawaii Draft Sustainability Policy
- Share case studies, best practices, and challenges through concurrent sessions
- Share ideas and strategies in key topic areas such as recycling, energy efficiency, transportation, curriculum, student life, food systems, and campus operations
- Encourage student leadership; host a Student Forum to explore the creation of a statewide student network for sustainability
- Establish this event as an annual summit
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representing 14 different University campuses from across Hawai`i

Over 200 participants!
Vendors and sponsors
Summit Feedback

- Hawaiian-opening-and-closing-protocol
- keynote-speakers
great-event
- presentations
- organizers
- campus
- facilitators

- food-choice-of-menu
- overlapping-sessions
- food-not-local
- first-day-too-short
- food-line-too-long
- sugar-meat-fried-food
- poster-session-too-short
- not-enough-time-for-networking
- too-few-vegan-options
- driving-so-far
- overlapping-sessions
- not-enough-Hawaiian-culture-and-traditions-included
- long-gap-between-sessions
- campus-tour
Student Forum: State-wide Student Sust Org / autumn meeting: Sheryl
Purpose of Student Forum

To build a statewide student network for sustainability in higher education
Why a student coalition? What are the benefits and what would success look like?

- Make all campuses in Hawaii sustainable
- Organize community events
- Policy making
- Accomplish shared goals - increase collective impact
How Could We Help Get the BOR to Support the Sustainability Policy?

• unite
  ○ administration, faculty and students
  ○ all campuses
  ○ equality
• structure
• staff/faculty/someone in charge to represent each campus
• funding/budget
• gain recognition in the United States
# Outcomes

**Total students attended:** 40

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**Level of Involvement from the students after the session**

<table>
<thead>
<tr>
<th>Role</th>
<th>Number</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Lead</td>
<td>15</td>
<td>48%</td>
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<tr>
<td>Contribute</td>
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<td>13%</td>
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<tr>
<td>Part Of</td>
<td>12</td>
<td>39%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>31</td>
<td><strong>100%</strong></td>
</tr>
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**Feedback of the student forum**

<table>
<thead>
<tr>
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<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
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<td>47%</td>
</tr>
<tr>
<td>Good</td>
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<td>34%</td>
</tr>
<tr>
<td>Ok</td>
<td>6</td>
<td>19%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>32</td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
Next Steps

- Core group committed to ongoing development
- Next meeting planned
- Develop:
  - vision, mission, purpose, outcomes, next steps
  - structure/who will be in charge
  - student voice in support of the sustainability policy
  - BOR meeting - students would like to voice support
  - Get input from the chancellors - what do you think?
Broad, diverse, engaged, productive, representative participation
Feedback - Received a tremendous amount; great enthusiasm
90+ participants in Policy Development Session 1; 30+ participants in Session 2
52 Responses to emailed survey

Introduction / Definition of Sustainability / Policy Statement
What do you like / What really works for you about this section?

• Introduction, overall, is really good
• Powerful
• Good statistics
• Definition of sustainability
• Inclusive, broad enough
• Brings more than just energy to mind
• Inclusion of cultural and social elements throughout
• Acknowledgement of education, research, student involvement
• Acknowledgement that more needs to be done

53 slides and 19 pages of feedback from facilitated policy workshop sessions at summit
The draft policy was rewritten (several iterations and much discussion) to accommodate the input received during the summit and after (on-line survey). Further Consultation with Papa `O Ke Ao desired.
Introduction:

This policy is rooted in Native Hawaiian ecology, values, and relationships and in the University of Hawai‘i's (UH) rich history of research, curriculum development, and stakeholder activism on issues of sustainability. Hawai‘i is the most fossil fuel dependent state in the US—nearly 90% of the state’s energy (approximately 75% from foreign sources) is derived from fossil fuel producing the highest electricity rates in the US. This jeopardizes the state’s food security, cultural stability, economy, and the health of its people and the physical environment and contributes to sea level rise that impacts coastal communities around the world. With more than 65,000 students, staff, faculty, and administrators, the University is one of the largest consumers of resources in the state and the University’s practices related to buildings, climate, dining, energy, grounds, purchasing, transportation, waste, and water all have a broad impact on the environment.

Hawai‘i is one of few states with a climate change law (Act 234, 2007) and it has one of the most aggressive renewable energy policies in the country (Hawai‘i Clean Energy Initiative 2008). Given the State's ambitious energy and sustainability goals, it is imperative that the UH System establish a responsible sustainability policy to ensure it continues to deliver world class educational and research opportunities for generations to come. UH researchers are already performing internationally recognized work in the areas of climate change, renewable energy technologies, environmental preservation, sustainable food production and more. UH campuses have been educating students and providing them with tools to address the sustainability challenges and opportunities that they will face upon graduation as purposeful professionals and engaged citizens. However, more can and should be done.

Definition of Sustainability:

The definition of sustainability used in this policy is to serve the needs of the present without jeopardizing the needs of the future. Sustainability requires natural resource use that nurtures life on earth. Critical resources include energy, food, water, land and sea as they are integrated with the relationships of family, culture, community, justice, work, and economy in the present and the future.
Policy Statement:

Sustainability must be a critical element in decision-making across the University. This policy emphasizes that continued operations; education and research; planning, administration, and engagement; and cultural and community connections all impact the sustainability of the University itself and the UH’s impact on the state of Hawai‘i. The University, as a system of interdependent and collaborative institutions, will ensure the responsible allocation, management, and sustainable use of resources and the generous sharing of diverse expertise. The University acknowledges that improved efficiencies and generation capacity requires investment and that these investments are sound strategies for the long-term sustainability of the UH System. When the University garners savings or avoids costs due to its sustainability measures, it aims to re-invest these revenues to continuously improve performance.

It is every campus’ and the entire UH ohana’s opportunity and obligation to establish sustainability principles for campus activities and to set data-based performance targets to improve resource use efficiencies and to conserve state social, cultural, economic, and environmental resources. UH is poised to increase knowledge in all areas of sustainability, to support student leadership, and to engage with the larger community. The University encourages interested faculty to study problems that directly affect campus sustainability and to include such hands-on problem-solving in curriculum. The University recognizes the importance of education as a dialogue and acknowledges that much of the innovation we may seek is present in ancient and traditional Hawaiian knowledge. The University’s goal is to contribute to a culture, campus, and community for learning and living within an island context that integrates sustainability and brings those values to a regional and global level.

Structure of the Policy

The policy is divided into four overlapping sections:

I. Operations
II. Education, Research, and Service
III. Planning, Administration, & Engagement*
IV. Cultural and Community Connections
Overarching Policy Goals:

I Operations

The University is committed to continuous improvement in reducing its ecological footprint and becoming ecologically restorative in buildings, climate, food systems, energy, grounds, purchasing, transportation, waste, and water.

II Education & Research

The University will set goals to incorporate sustainability into formal and co-curricular education, as well as encourage primary and applied research initiatives that advance the principles of sustainability. Particular support will be given to multidisciplinary collaborations and to activities that strive to integrate teaching and research with solutions at the campus and community levels.

III Planning, Administration, & Engagement

Sustainability will be incorporated into planning, budgeting, and decision-making throughout the institution. The University will institutionalize sustainability by dedicating resources to coordination, staffing, measuring and publicizing of the sustainability initiatives. An ongoing system of planning, reporting, evaluating, and improving upon specific metrics and performance targets will be developed. The University is committed to ongoing engagement of students, faculty, staff, and the local community to prioritize and implement sustainable practices.

IV Cultural and Community Connections

Recognizing the unique and respected host Hawaiian culture, the geographic remoteness of the islands, and the rich diversity of cultures in Hawaii, the University will create a sustainable living and learning environment that honors its cultural foundation and addresses the issues of its location. The University will proactively form working relationships with external partners to understand community, workforce and business needs, to bring higher education, research and service outreach value to the community, to help shape economic structures, employment opportunities and integrated, 21st Century sustainable solutions for Hawaii, the region and beyond.
Implementation Strategy

I. Operations

A. Sustainably Designed and Operated Buildings
   1. Embody the sustainability values of the University in the design and operation of the built environment
   2. All new buildings and major renovations will achieve a minimum of LEED “Silver” standards and will strive for LEED “Gold”
   3. Exemplify transferable sustainable solutions in all campus facilities including classrooms, offices, laboratories, assembly, auxiliary, athletics and support services
   4. Require that life cycle costing and/or rate of return on investments be considered for new equipment purchases and facility retrofits

E. Climate Protection

F. Track, report, and minimize greenhouse gas emissions
   7. Establish a plan to become carbon neutral

H. Dining Services

1. Prioritize purchasing local and sustainable food products

B. Energy

1. Maximize energy conservation, energy efficiency and renewable energy opportunities on the campus
2. Re-invest savings and costs avoided into sustainability projects; create mechanisms to bundle projects with longer paybacks with those with more rapid payback periods

A. Grounds

1. Support imparting a Hawaiian Sense of Place on campus through landscaping, signage and the creation of gathering spaces to enable social and cultural sustainability of campus communities
A. Purchasing
1. Consider environmental, social, and cultural factors on par with bottom line cost for purchasing or contracting
2. Institute Green Purchasing Policy for all supplies, equipment and building materials (including computers, cleaning products, paper, and other material goods)
3. Strive to integrate sustainability criteria into vendor selection processes

D. Transportation
1. Work with state, cities, counties and regional stakeholders to reduce single occupancy vehicle trips to the campus, support optional modes of transportation, and encourage a bicycle and pedestrian friendly campuses and communities
2. Establish campus policies related to fuel efficiency and sustainability for campus fleet

C. Waste
1. Reduce, recycle and/or eliminate all green waste, electronic waste, food waste, use of single use plastics, and greenhouse gas emitting materials

B. Water
1. Maximize water conservation, water efficiency and best management practices methods for storm water storage, recharge and reuse on the campus
II. Education and Research

A. Overall Goals
b. Support interdisciplinary educational, internship, and student job opportunities that bridge the gap between campus academia and operations.

c. Use campus as a living laboratory by funding academic, research, student life and co-curricular programs that engage the campus community in sustainability issues in classrooms, offices, laboratories, assembly, auxiliary, athletics and support services.

d. Ensure that educational activity is undertaken sustainably (including energy use in classroom)

E. Co-Curricular Education

F. Include sustainability in residential life, student orientation, and outreach and publications.

G. Curriculum

H. Encourage sustainability to continue to be integrated into existing curriculum

I. Encourage campuses to develop appropriate, well-articulated new programs in both broad interdisciplinary and workforce specific sustainability topics

J. Research

K. Support research that brings science to the issues of sustainability and related public policy, practice and implementation

L. Ensure that research activity is sustainable in use of energy and other resources
III. Planning, Administration, & Engagement

A. Coordination and Planning
1. By 2014, the University will establish baseline metrics for tracking success in each of the key sustainability indicators identified in this policy or, where system level metrics are impractical, direct the individual campuses to do so.
2. As metric tracking systems are established, the University will establish specific targets for reduction in resource use for each sustainability indicator.
3. Each campus is directed to establish campus specific goals and targets as part of their individual campus sustainability plan, and report annually to the Office of the President on progress.
4. A system level sustainability advisory council will make recommendations to the President and Council of Chancellors on the continued development and implementation of this policy.
5. This policy will develop over time and will be reviewed and updated as necessary, no less once every three years.
6. Include facilities and operations staff in sustainability projects and training that will expand skill sets and improve the campuses’ abilities to more efficiently manage energy and other resources.

B. Engagement
7. Provide professional development for university staff and faculty on sustainability and encourage sustainability in student life and activities.
8. Cultivate sustainability as a major funding activity of the UH Foundation.
IV. Cultural and Community Connections

A. Cultural Connections
1. Embrace the culture and fundamental values of indigenous people of Hawai‘i
2. Cultivate an inclusive community of people with varied characteristics, ideas, cultures, and world-views where our students, faculty, and staff celebrate difference and respect tradition
3. Foster cross-cultural awareness to promote an intellectual and social environment that challenges all of us to learn and grow

C. Community Connections
4. Support sustainability and science education initiatives in Hawaii's public schools
5. Develop mutually beneficial partnerships with informal organizations, non-profit organizations, the private sector, and other colleges and universities in Hawai‘i to advance sustainability initiatives and create internship opportunities for students
**Timeline**

**Summer 2013** - Revision of the policy using feedback generated by the Summit and from the Council of Chancellors;

**September 2013** - Per the President’s recommendation, the plan is to have a one paragraph Board of Regents Policy drafted and ready to be presented at the September BoR meeting

**Fall 2013** - Subject to support from the BOR, have the Executive/Presidential Policy and organizational committee structure ready to be formalized in early fall 2013

**Fall 2013 - Spring 2014** - Establish working groups who will establish baseline metrics, research best practices, and recommend performance measures/targets for future inclusion in the policy
Recommendation
Sustainability leadership

**System level**
- Chief Sustainability Officer
- System Sustainability Coordinator
- President’s Sustainability Intern

**Campus level**
- 1 Campus Sustainability Director
  (each campus = 10)
- Chancellor’s Sustainability Intern
Recommendation
Sustainability Advisory Council

Community -level
- Community Members
- Government Members
- Working Group Leaders

System/Campus -level
- 10 Campus reps. + 2-3 student leaders, + 2-3 System reps

Core Planning Group
- CSO + Key Campus Reps

President/VP
Sustainability Advisory Council

Operations
Planning, Admin, & Engagement
Education and Research
Culture & Community
Mahalo a sunrise