



Background:

Located on 135 acres in Kaneohe, Hawaii Pacific University's Hawai'i Loa Campus is home to the College of Natural and Computational Sciences and the College of Nursing and Health Sciences, as well as many general education courses.

Sustainability Mission:

Through sustainable development practices, Hawai'i Pacific University is committed to making positive contributions to the environmental, social, and economic health of the State of Hawai'i and the planet. Implementing sustainability into the culture of our University encourages the inclusion of sustainability concepts, principles, and practices in the curriculum, improves upon human and environmental health, enhances social justice in the HPU community, and ultimately contributes to the long-term success of Hawai'i Pacific University.

Energy Efficiency:

- ☉ In the computer center and library, 40 desktops were replaced with client Samsung monitors, which operate on a virtual cloud instead of PC. These new client Samsung monitors use about 10-15% of the energy used by a single PC. In addition, the client Samsung monitors have a default energy-saving mode.
- ☉ **Residence Hall Exterior Lighting Efficiency Upgrade:** Existing 70w and 175w high pressure sodium fixtures were replaced with new 20w, 40w and 60w LED fixtures.

Project Summary:

- Average Energy Savings Per Year = 11592 kWh/Year
- On-Peak Demand Savings = 1.77 Kw
- Total Demand Savings= 2.36 kW

Water Conservation:

- ☉ The Installation of Nalco's 3D TRASAR Solid Cooling Water System has helped reduce cooling tower blowdown by 80%, saving millions of gallons of water.
- ☉ Rain catchment system is in place for irrigation.
- ☉ Landscaping uses native and drought-tolerant plants.

Recycling & Waste Reduction:

- ☉ Revitalizing current recycling program, which includes paper, cardboard, ink cartridge, batteries, HI-5 bottles and cans, metal, cooking oil and E-waste.
- ☉ The University has an online program called "HPU Swap Meet." This provides the opportunity for faculty and staff to search for furniture and office equipment they can use. Additionally, all unwanted furniture and office equipment is donated to community organizations.

- ☉ Double-sided printing is defaulted as part of the campus sustainability initiative.
- ☉ Purchasing office paper with a minimum of 30% of recycled content.
- ☉ Reusing previously used paper for note paper.

Transportation:

- ☉ Offers a shuttle service between its two major campuses, Downtown and Hawaii Loa Campus.
- ☉ The University installed two, level 2 ChargePro EV charging stations at the Hawaii Loa Campus.
- ☉ Offers subsidized bus passes for the students.
- ☉ 15% reduction in mileage driven by all HPU vehicles. The baseline mileage in 2013 was 79,004.8 miles and the new mileage is 65,468.8 miles.
- ☉ Hosting an online ride-sharing program called HPU Green Ride. It is dedicated to supporting and encouraging our students, faculty and staff to carpool.
- ☉ Enrolled in Enterprise CarShare car sharing program.

Food Services:

- ☉ 30% of the food from the HPU Cafeteria is grown locally; there are hopes to increase that number as more local produce becomes available.
- ☉ Tray-less dining in the HPU cafeteria has helped reduce food waste, water and energy usage.
- ☉ In 2014, the HPU Cafeteria diverted 2,520 pounds = 1.26 tons of food waste.
- ☉ At the beginning of each semester the HPU Cafeteria has "Weigh the Waste Wednesdays" to help raise awareness of food waste prevention and management.
- ☉ The cafeteria provides biodegradable to-go containers.
- ☉ Xpressnap dispensers made with 100% recycled material
- ☉ Turn lights and exhaust hoods off between meal periods.

Staff Involvement:

- ☉ Green Office Program was implemented to engage HPU faculty and staff in positive behavior change with respect to energy efficiency and conservation.
- ☉ HPU Sustainability website and Pipeline announcements provide opportunities for students, faculty and staff to learn about our environmental practices.

Community Service:

Student Life's Hawaii Spotlight Events provided students, faculty and staff the opportunity to volunteer in different parts of the island and learn about environmental and cultural sustainability.

Community service events for Spring/Fall 2014 included:

Kapalai Farms

Students, Faculty and Staff, volunteered to revitalize lo'i (taro patches) in the hopes of one day creating sustainable food sources for the area. Tasks included clearing invasive vegetation, helping to construct and maintain new and existing lo'i kalo (irrigated ponds, terraces for cultivation of lo'i), and weeding, planting, mulching, trail maintenance and plant propagation.

Paepae O Heeia Fishpond

Volunteers helped in the restoration and rehabilitation of the kuapa—fishpond wall—and the fishpond contained within it.

Maunalua Bay Huki

Volunteers had the opportunity to remove algae, learn about the Bay's intricate ocean ecosystem and help to restore the health of the Bay.