



# HAWAII GREEN BUSINESS PROGRAM



HAWAII STATE  
Energy Office



HAWAII STATE  
DEPARTMENT  
OF HEALTH



Board of Water Supply



## Background:

Aloha Tower Marketplace is located on the downtown Honolulu waterfront, Piers 8 and 9, and borders the iconic Aloha Tower that was built in 1926 to welcome passenger ships. Aloha Tower Marketplace is operated by Hawai'i Pacific University (HPU) under a lease with the State of Hawai'i Aloha Tower Development Corporation (ATDC), and it is an anchor for HPU in the downtown area. Aloha Tower Marketplace is a vibrant, mixed-use space, featuring student residences, community spaces, restaurants, and shops designed to serve HPU students, Hawai'i residents, and visitors from around the world.

## Sustainability Mission:

Through sustainable development practices, HPU is committed to making positive contributions to the environmental, social, and economic well-being of the State of Hawai'i and the planet. Implementing sustainability into the culture of the 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 HPU.

## Energy Efficiency:

- **Third Phase:** Installed an additional **207.1 kW** solar photovoltaic system (PV) via Power Purchase Agreement (PPA). The PPA will provide HPU's Aloha Tower Marketplace with a total PV system capacity of **991.81 kW**
- Replaced 10, 175w Metal Halide Lamps in the ATM Piers 5 & 6 Parking Lot with (10) 78w RAB LED Fixtures with PCT. *Estimated Annual Savings = 5,781.60 kWh*
- Replaced 11, exterior 100w High Pressure Sodium Lamps with (11) Philips EcoSwap LED 40w Retrofit Lamps. *Estimated Annual Savings = 4,336.20 kWh*
- ATM 1302 LED Retrofit Project: Replaced 16, 2'X2' (32w), and (3) 2'X4' (32w) Fluorescent Troffers with (21) 2'X2' 26w Lithonia LED Volumetric Troffers.
- ENERGY STAR® certified Toshiba printers used in office spaces and the student Learning Commons. The printers go into a low-power mode and an off mode after 30-90 minutes of inactivity.

## Water Conservation:

- Set Landscape Irrigation System timers for early morning watering.
- Use native and drought-tolerant plants for landscaping.
- Upgraded Cooling Tower Water Treatment from a liquid to solid system that utilizes 3D TRASAR Cooling Water Technology. This helped reduce packaging and we had a total water savings of **247,514 Gal** and total cost savings of **(\$9.59 per 1,000) \$2,373.66**.

## **Transportation:**

- Offers a shuttle service between its two major campuses, Downtown and Hawaii Loa Campus
- Offers subsidized bus passes for students.
- HUI station-based Car Sharing service at Aloha Tower Marketplace.
- Bikeshare Hawaii Biki Station located at Aloha Tower Marketplace
- Moped and Bicycle Parking provided.

## **Recycling & Waste Reduction:**

- Single-stream recycling program which includes office paper, newspapers, cardboard, HI-5 bottles, aluminum cans and glass bottles
- Toner cartridges are recycled with zero waste going to the landfill
- E-waste Recycling Program - All unwanted e-waste is donated to Hawaiian Hope.
- All unwanted furniture and office equipment are donated to community organizations.
- Using double-sided printing.
- Hawai'i Pacific University uses a system called PaperCut. It's a print management system that allows students to print electronically direct from VDIs, via Web Print, or via Email-to-Print. This has helped the University monitor, track, and reduce unnecessary printing by students.
- Reuse previously used paper for note paper.

## **COVID-19 Recovery Efforts**

- Posted CDC Guidelines signage throughout the University campuses on Hand Washing, wearing a Face Mask and maintaining distance of 6 feet apart.
- Configured all Classroom desks maintaining a distance of 6 feet apart.
- Configured all Common Space furniture maintaining a distance of 6 feet apart.
- Shield Barriers installed Campus-wide.
- Disinfected all Student Residences.
- Disinfected high touch surfaces in classrooms, restrooms, and common areas.
- Enhanced ventilation and air-conditioning systems with MERV 13 air filter and increased circulation of outdoor air.
- Hand Sanitizers mounted on Walls and Portable Stands, and placed in all classrooms throughout the University.
- Mandatory wearing of Face Masks throughout the University.
- Mandatory Health Questionnaire: Stay home when sick.
- Installed Temperature Scanner Stations throughout the University.

- Food Service- Provide grab-and-go meals.
- Disinfectant kits set-up throughout the university campus.
- Distribution of Face Shields and Disposable Masks.
- Enforcing State and City policies related to group gatherings and other regulations.
- Provided COVID-19 testing for HPU Frontline Workers and HPU students.
- Disinfect upon request using HPU's Electrostatic Disinfectant Spray Gun.