Hawaii Green Business Program

Gail Suzuki-Jones
Energy Analyst

ORMP Meeting

Coordinated Working Group

Office of Planning

August 2, 2018

Hawaii State Energy Office

Topics

- Walking the Talk
- Hawai'i Green Business Program
- Partners and Awardees
- Green Events and IUCN
- Summary and Program Updates

Green Hotel Forum

Hawaii Clean Energy Initiative

100% Renewable (electricity sector) by 2045

Reduce 4,300 Gwh by 2030 - EEPS

New Energy in Transportation Road Map

http://www.capitol.hawaii.gov/hrscurrent/Vol03_Ch0121-0200D/HRS0196/HRS_0196-0010_0005.htm

DBEDT HAWAII STATE Energy Office

Hawaii State Office Tower

- ENERGY STAR-labeled
- LEED-certified Operations and Maintenance (O+M)
- Using ARC platform to achieve a performance score
- Assessing energy, water, waste and IAQ performance

Hawaii Green Business Program

What – Program that recognizes businesses that go beyond compliance to green their facilities. HGBP certifies hotels, restaurant, office/retail and events

Why – Receive TA , realize savings, and promotion for efforts – and - for hotels and resorts, we send travel advisory groups our list of green hotels and resorts

Where – http://greenbusiness.hawaii.gov/

How – Complete checklist / site visit / and agree to mentor

When – Recognition Ceremony – **May 2019**

Who – Partners – DBEDT, DOH, BWS, & Chamber of Commerce.

Hawaii Green Business Team + Partners/Sponsors

- DBEDT Energy Office
- DOH Office of Solid and Hazardous Waste
- C&C - Board of Water Supply

- Chamber of Commerce of Hawaii
- Hawaii Lodging and Tourism Association
- Hawaii Hotel Engineers Advisory Council

- US EPA and US DOE
- Hawaii Energy
- KUPU RISE, KHF
- Surfrider Foundation

Hawai'i Green Business Program

The Hawaii Green Business Program (HGBP) assists and recognizes businesses that strive to operate in an environmentally and socially responsible manner.

- Hotels and Resorts
- Office and Retail
- Restaurant and Food Svc.
- Green Events and Venues

- Energy Conservation
- Waste Reduction
- Pollution Prevention
- Water Conservation
- Natural Resource Cons.
- Community Involvement
- Cultural Preservation

HAWAII GREEN BUSINESS PROGRAM

DBEDT HAWAII STATE Energy Office

HGBP Green Hotel Awardees

Oahu

- Aqua Aloha Surf Waikiki Hotel
- Aqua Bamboo Hotel
- Aqua Palms Hotel
- Hawaii Prince Hotel Waikiki
- Hilton Hawaiian Village
- Hilton Waikiki Beach Hotel
  Holiday Inn Waikiki Beachcomber
- Hyatt Regency Waikiki
- JW Marriott Ihilani, Ko Olina
- Kahala Hotel & Resort
- Ko Olina Marriot Beach Club
- Moana Surfrider
- OHANA Waikiki East by Outrigger
- OHANA Waikiki Malia by Outrigger
- Outrigger Reef on the Beach
- Sheraton Princess Kaiulani
- Sheraton Waikiki Hotel
- The Equus
- The Royal Hawaiian
- Trump International Hotel Waikiki
- Turtle Bay Resort
- Wyndham at Waikiki Beach Walk

Hyatt Regency Waikiki

Princess Kaiulani

HGBP Green Hotel Awardees

Maui

- Fairmont Kea Lani
- Hyatt Regency Maui Resort & Spa
- Marriott Maui Ocean Club
- Maui Prince Hotel
- Ritz-Carlton Kapalua
- Wailea Beach Marriott Resort
- Westin Kaanapali Ocean Resort

Kauai

- Aqua Kauai Beach Resort
- Grand Hyatt Kauai Resort & Spa
- Kilauea Lakeside Estate
- Marriott Waiohai Beach Club

Big Island

- Hawaii Island Retreat
- Mauna Lani Bay Hotel & Bungalows
- Volcano House

LEED Certified Hotels and Resorts in Hawaii

Disney's Aulani at Ko Olina
Hokulani Hilton Timeshare in Waikiki
Andaz Wailea on Maui
Hyatt Regency on Maui
Kyo-ya's – Sheraton Waikiki, Royal Hawaiian and Moana Surfrider

HGBP Retail/Office Awardees

- Belt Collins
- Bishop Square
- Boca Hawaii
- Central Pacific Plaza
- Core Group One
- East West Center
- Ferraro Choi
- Hau'oli Mau Loa
- Hawaii Pacific University
- Honeywell Smart Grid Solutions
- Kupu
- KYA Design Group & Sustainability Studio
- Pacific Instruments
- Patagonia, Honolulu
- PBR Hawaii & Associates
- Philip White Architects
- Sustainable Island Products
- Swinerton
- The Limtiaco Consulting Group
- Topa Financial Center
- Valley Isle Excursions
- WATG Architects

Honeywell

HAWAII STATE Energy Office

HGBP Restaurant / Food Service Awardees

- Artizen Restaurant by MW
- Bills Sydney
- Blue Hawaii LifeStyle
- Downtown & Town Restaurants
- Gyotaku Japanese Restaurant
- Hard Rock Cafe Honolulu
- Il Gelato Hawaii
- Kona Brewing Company's Kona Pub & Brewery
- Kona Brewing Company Koko Marina Pub
- Lanikai Juice – Kailua
- Lanikai Juice – Kaka'ako
- Monkeypod Kitchen
- TheNook neighborhood bistro
- Whole Foods Market- Kahala
- Whole Foods Market- Maui

http://energy.hawaii.gov/wp-content/uploads/2011/10/Restaurant-Checklist-Fillable08.23.122.pdf

Government Agencies

- Department of Accounting & General Services
- Department of Business, Economic Development & Tourism
- Department of Health
- Department of Land and Natural Resources Division of Forestry and Wildlife
- Hawaii State Senate
- Hawaii Volcanoes National Park
- Honolulu Fire Department Station 24 Ewa Beach
- Maui Water Resources and Planning Division
- U.S. Environmental Protection Agency
- U.S. General Services Administration
- U.S. Postal Service

HAWAII GREEN BUSINESS PROGRAM

DBEDT HAWAII STATE Energy Office

Hawaii Green Business Program: Process

1. **Contact Us.**
   The first step is to contact us.

2. **Complete the Checklist.**
   Applicants must implement measures and complete the checklist items which apply to their sector.

3. **Site Visit and Verification.**

HAWAII STATE Energy Office

Hawaii Green Business Program: Process

4. **Recognition.**

   After the first three steps are successfully completed, applicants will be eligible for recognition. Annual Ceremony in the Governor's Office.

5. **Maintaining Recognition.**

   Improving the efficiency of your facility, helping improve the environment, employee morale, and conserving our resources.

Hokulani Waikiki

DBEDT HAWAII STATE Energy Office

HONEYWELL SMART ENERGY

"Reshaping the way the world uses energy"

Energy & Water Reduction

Energy & Water Reduction:

- ✓ Partnering with programs that have direct community outreach goals (e.g. Kupu)
- ✓ Instituted an independent energy audit
- ✓ Use task lighting at desks as well as throughout the office
- ✓ Attend community events promoting energy efficiency
- ✓ Implemented state of the art water filtration system
- ✓ Setting monitors for automatic monitor shut off (10min), sleep mode (30min), and hibernation (1hr)
- ✓ Printer policy to only allow black and white doc. printing
- ✓ Introduced adjustable standing workstations for increased employee health benefit and workplace ergonomics/functionality
- ✓ Unplugging electronic devices at the end of the day
- ✓ Using shades and blinds to regulate sunlight
- ✓ Occupancy sensors in private offices and conference rooms
- ✓ Installing a timer on water dispensers to turn off the heating element when the office is closed
- ✓ Overhead light de-lamping; going from 3 bulbs per fixture to 2 (32 total)

Recycling, Waste, & Pollution

Waste Reduction & Recycling:

- ✓ Participating in Colliers (building management) e-waste recycling program
- ✓ Implemented online rebate application to reduce printing and mailing needs
- ✓ Reduced plastic use by 100% by adopting a policy to use washable utensils
- ✓ Recycling, within EPA regulations, non-energy efficient appliances and replacing them with energy-saving models
- ✓ Use Skype for instant messaging, video conferences and document sharing
- ✓ Utilizing recycled paper labels for approximately 2,500 plus customers by purchasing reusable self-inking stamps

Pollution Prevention:

- ✓ Offering to subsidize all employees' bus passes to reduce use of single-occupancy vehicles
- ✓ Worked with companies within walking distance to offer discounts to our employees to reduce travel during their breaks

Department of Accounting & General Services (DAGS) and DLNR DOFAW

" responsibly manage and protect watersheds, native ecosystems, and cultural resources and provide outdoor recreation and sustainable forest products opportunities, while facilitating partnerships, community involvement and education. Malama i ka aina "

Energy & Water Reduction

Energy & Water Reduction:

- ✓ 20% reduction in annual energy use at the Kalanimoku Building
- ✓ Occupancy sensors used in common areas such as break rooms and copy areas
- ✓ DOFAW preferably purchases Energy Star certified office equipment
- ✓ DOFAW abides by the EPA WaterSense guidelines and have shown water reduction in toilet, urinals, and faucet use
- ✓ DOFAW encourages the turning off of lights and other equipment when not in use
- ✓ DOFAW maintains a native plant garden with dry forest plants suitable to the specific regional climate

Waste & Pollution Prevention

Waste Reduction & Recycling:

- ✓ Recyclable materials diverted from landfill consisting of aluminum cans, bottles, glass, office paper, corrugated cardboard, newspapers, wood and green waste
- ✓ DOFAW preferably purchases at least 30% recycled post-consumer waste paper materials including copy paper, folders, envelopes, and paper towels
- ✓ DOFAW encourage printing double sided

Pollution Prevention:

- ✓ Promotional materials are printed with soy or other low-VOC inks
- ✓ Low toxic cleaners and chlorine free products are utilized
- ✓ Electronic equipment, batteries, greases, and solvents are recycled or reused
- ✓ DOFAW encourages the use of alternative transportation

Department of Accounting and General Services (DAGS) & Business, Economic Development, and Tourism (DBEDT)

State Office Tower – Leiopapa a Kamehameha

Energy & Water Reduction

Energy & Water Reduction:

- ✓ 46.37% reduction in lighting power in part through the use of daylight responsive controls
- ✓ Building is ENERGY STAR labeled with a score of 94
- ✓ Energy savings of 100,000 kWh per year are realized by having switched 4,600 32W fluorescent lamps to high-efficiency, low-mercury 25W lamps
- ✓ Occupancy sensors have been installed in back of house and in office areas
- ✓ DBEDT purchases Energy Star certified office equipment including EPEAT certified computers
- ✓ An estimated 36,270 gallons of water savings were realized, which is a 36.48% water use reduction, through the use of ultra low-flush toilets and low-flow fixtures
- ✓ Overall water consumption was reduced by 59% from 2006 to 2011 with a 25% reduction in the last year, which resulted in approximately $3,500 in savings

Waste & Pollution Prevention

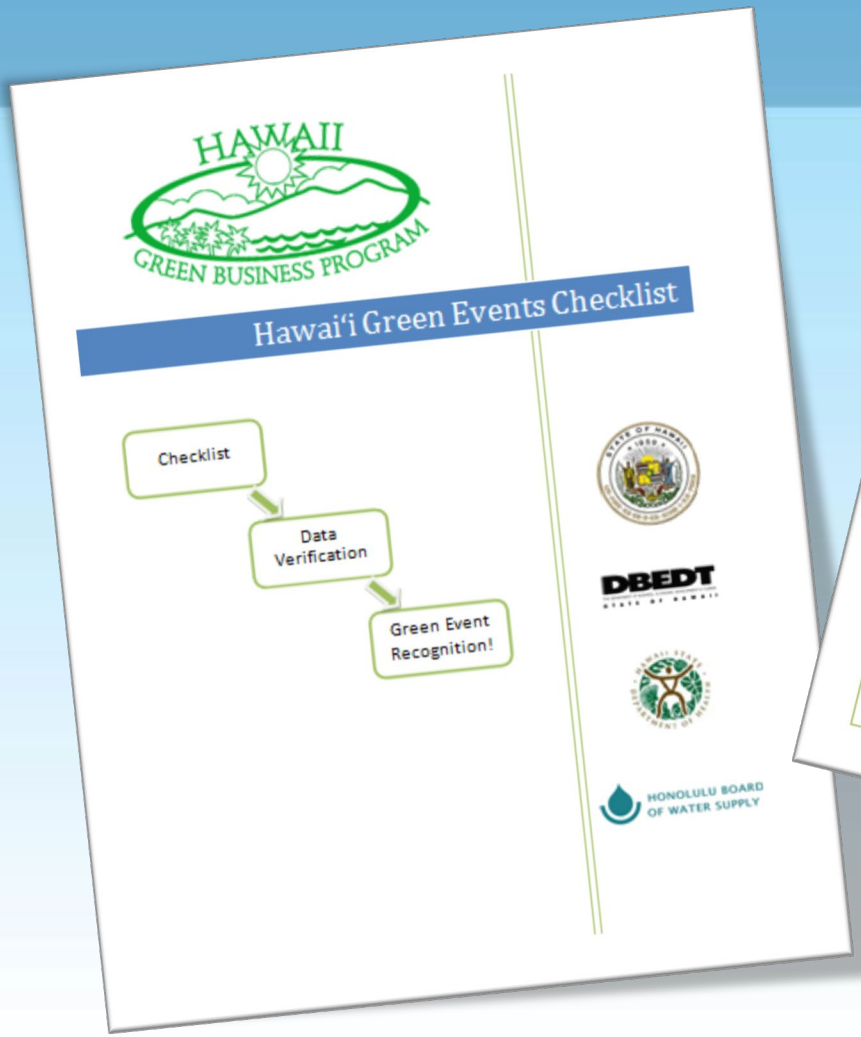
Waste Reduction & Recycling:

- ✓ DBEDT's waste audit evaluated a day's worth of waste in order to make an assessment of the waste stream diversion opportunities in the SOT
- ✓ 58% of the SOT's waste is diverted from landfills through recycling white paper, newspaper, cardboard, aluminum, and plastic
- ✓ Approximately 2,146,716 paper towels have been replaced by 33 electric hand dryers, which is the equivalent of saving 160 trees

Pollution Prevention:

- ✓ 100% Renewable Energy Certificates were purchased from 3Degrees
- ✓ 21% of the SOT occupants use some form of alternate transportation to get to work
- ✓ DBEDT uses an electric vehicle, a Nissan Leaf, as part of the HSEO's car sharing program and DAGS installed an electric vehicle charger

Hawaii Green Events



HAWAII STATE Energy Office

HGBP Event Awardees

- Build & Buy Green Conference
- Chaos of SustAINAbility by HISCI
- Concert on the Lawn by East-West Center
- Hawaii Tourism Conference by Hawaii Tourism Authority
- Hawaii Clean Energy Initiative E-Drive Charrette by DBEDT and Blue Planet
- Plastic Fantastic? by Honolulu Museum of Art
- Green Apple Day of Service event at Kaahumanu Elementary School
- Green Apple Day of Service Pearl City High School Bokashi Garden Workday
- Green Classroom Professional Certificate Toolkit & Workshop
- Green Hotel Forum by Outrigger Reef Waikiki Beach Resort

Green Hotel Forum by Outrigger Reef Waikiki Beach

Honolulu Museum of Art: Plastic Fantastic

HAWAII STATE Energy Office

HGBP Event Awardees

- IUCN 2016 World Conservation Congress

- KYA Design Group & Sustainability Studio
- Lemongrass Café Geisha Event
- Pop-Up Pupus by Hawaii Theatre and Sweetbreads
- Presidential Lecture Series on Global Leadership
  by Hawaii Pacific University

- Sony Open in Hawaii
- Sustainability Unconference
- Sweetbreads

- TEDxHonolulu
- travel2change
- UH Sustainability in Higher Education
- Verge Hawaii 2016

DBEDT HAWAII STATE Energy Office

IUCN WCC - 2016

Photo by: Noah Pomeroy– http://hawaiibylight.com

"Supporting Hawaii's hotels in meeting sustainability best practices for the IUCN World Conservation Congress 2016"

DBEDT HAWAII STATE Energy Office

GREEN HOTELS INITIATIVE

IUCN World Conservation Congress Hawai'i 2016

SUPPORTING HAWAII'S HOTELS IN MEETING SUSTAINABILITY BEST PRACTICES FOR THE IUCN 2016 WORLD CONSERVATION CONGRESS

A PARTNERSHIP BETWEEN:

HAWAI'I TOURISM AUTHORITY

HAWAII GREEN BUSINESS PROGRAM

HAWAII STATE Energy Office

KUPU

PROGRAM BENEFITS

- IMPROVING YOUR BOTTOM LINE THROUGH MINIMIZED WASTE & UTILITY COSTS
- CONTRIBUTING TO HAWAII'S SUSTAINABILITY GOALS
- TECHNICAL SUPPORT FROM THE GREEN HOTELS INTIATIVE TEAM
- LOCAL & INTERNATIONAL RECOGNITION
- POTENTIAL RECOGNITION AS A "HAWAII GREEN BUSINESS"

IUCN

DBEDT

HAWAII STATE Energy Office

GREEN HOTELS INITIATIVE DETAILS

IN PREPARATION FOR THE UPCOMING IUCN WORLD CONSERVATION CONGRESS, HAWAII HAS IMPLEMENTED A THREE-LEVEL PROGRAM* TO CERTIFY AND RECOGNIZE GREEN PRACTICES IN HOTELS.

*LEVEL 1 □ BASIC / LEVEL 2 □ A STEP BEYOND / LEVEL 3 □ LEADER

LEVEL 1 **'ILIMA**

10 Entry Level Green Actions

LEVEL 2 **KOKI' O 'ULA**

OPTION 1: HGBP Checklist - Kulia i ka nu'u + ENERGY STAR benchmarked

OPTION 2: HGBP Checklist - Kaulike Levels

OPTION 3: Trip Advisor Green Leader + ENERGY STAR benchmarked

OPTION 4: Green Key + ENERGY STAR benchmarked

LEVEL 3 **MA'O HAU HELE**

OPTION 1: HGBP Checklist - Kela Level + ENERGY STAR labeled

OPTION 2: HGBP Checklist - Po'okela Level

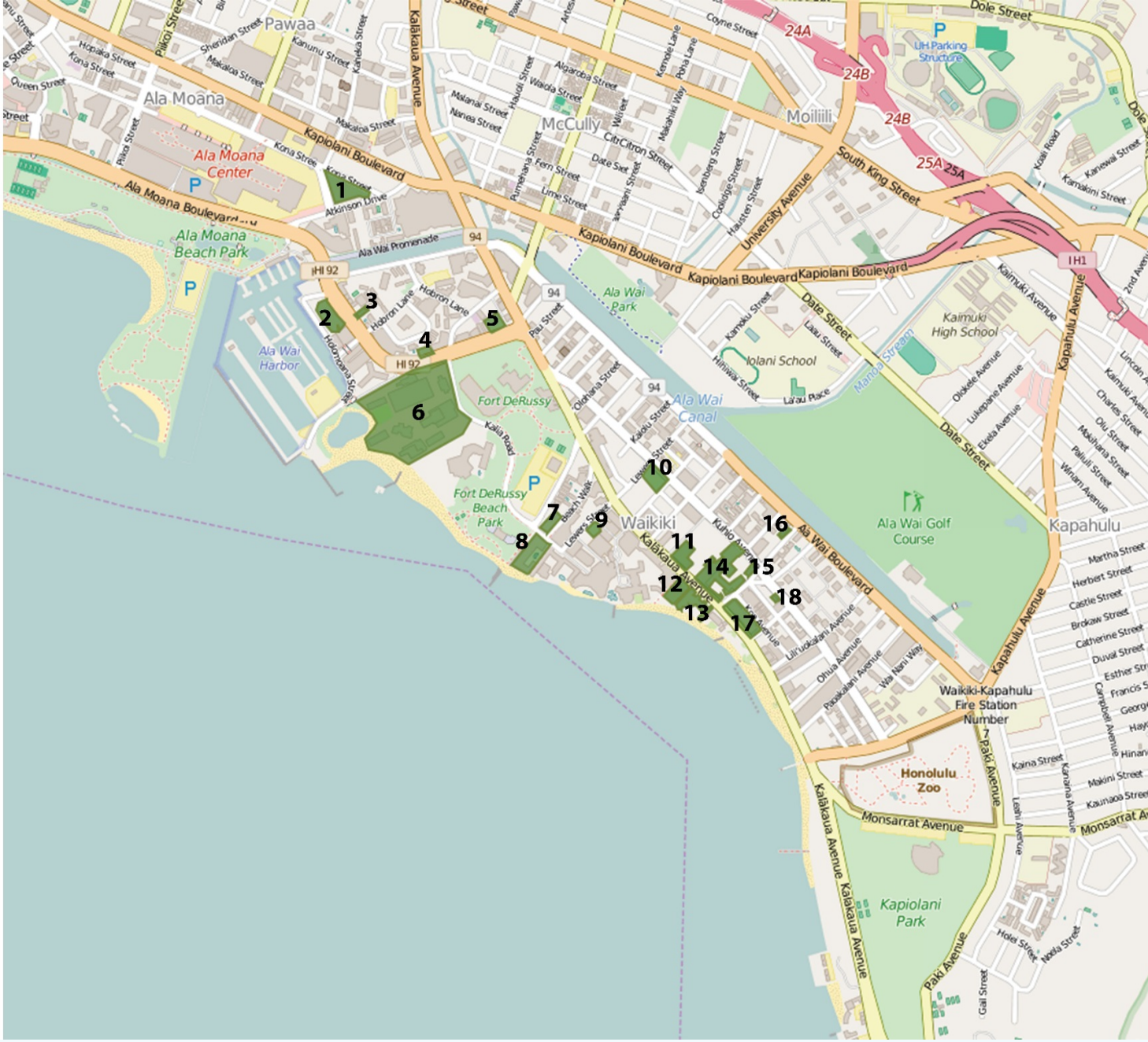
OPTION 3: HGBP Checklist - Kela Level + LEED certified

OPTION 4: HGBP Checklist - Kela Level + NZE Building or beyond

DBEDT HAWAII STATE Energy Office

WAIKIKI GREEN HOTELS

1. Ala Moana Hotel
2. Hawaii Prince Hotel
3. The Equus
4. Aqua Palm Waikiki
5. DoubleTree by Hilton Alana-Waikiki Beach
6. Hilton Hawaiian Village
7. Trump International Hotel Waikiki
8. Outrigger Reef on the Beach Waikiki
9. Wyndhan at waikiki Beach Walk
10. OHANA Waikiki Malia by Outrigger
11. Holiday Inn Resort Waikiki Beachcomber
12. Outrigger Waikiki On the Beach
13. Moana Surfrider A Westin Resort & Spa
14. Sheraton Princess Kaiulani
15. OHANA Waikiki East by Outrigger
16. Aqua Aloha Surf Waikiki Hotel
17. Hyatt Regency Waikiki Beach Resort & Spa
18. Aqua Bamboo Waikiki Hotel



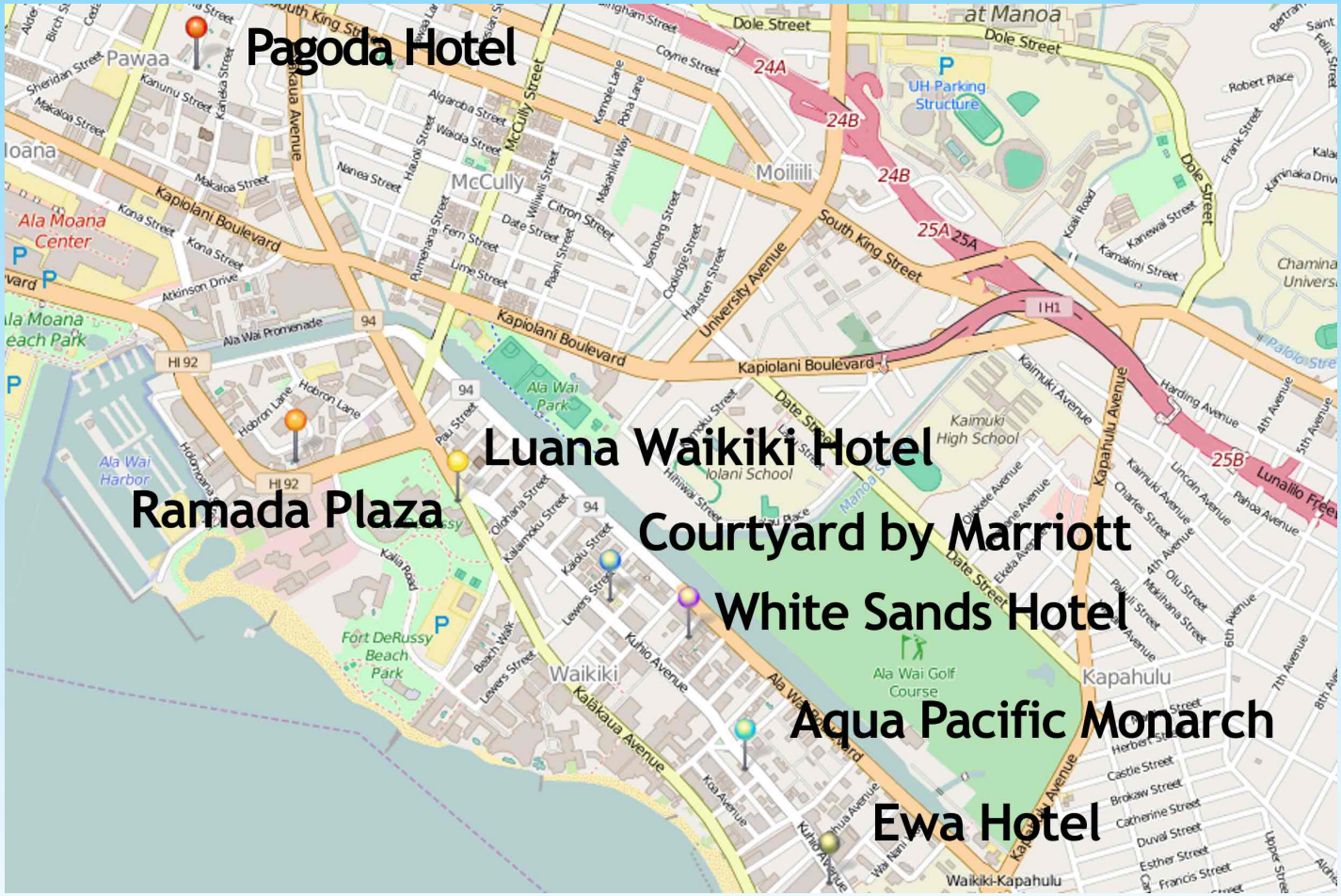
HAWAII GREEN BUSINESS PROGRAM

DBEDT

HAWAII STATE Energy Office

‘Ilima Level Hotels

Hotels that implemented 10 entry level sustainability initiatives


Pagoda Hotel
Luana Waikiki Hotel
Ramada Plaza
Courtyard by Marriott
White Sands Hotel
Aqua Pacific Monarch
Ewa Hotel
Kapiolani Boulevard
Ala Moana Center
Ala Wai Park
Ala Wai Harbor
Fort DeRussy Beach Park
Waikiki
Kapahulu
Kaimuki High School
Ala Wai Golf Course
Waikiki-Kapahulu
McCully
Moiliili
Pawaa
Dole Street
South King Street
University Avenue
Kalakaua Avenue
Kuhio Avenue
Kaiulani Avenue
Kapahulu Avenue
Kaimuki Avenue
Date Street
Ala Wai Promenade
Hobron Lane
Atkinson Drive
Kona Street
Makaloa Street
Kanunu Street
Sheridan Street
Algaroba Street
Waida Street
Nanea Street
Citron Street
Lime Street
Fern Street
Date Street
Paani Street
Coyne Street
Kamoku Street
Poha Lane
Makahiki Way
Isenberg Street
Coolidge Street
Hausten Street
Pau Street
Olohana Street
Kaiamoku Street
Kaiolu Street
Levers Street
Beach Walk
Kalia Road
Kaiulani Street
Kaiulani Avenue
Lewers Street
Kaiolu Street
Kaiamoku Street
Olohana Street
Kaiulani Avenue
Kuhio Avenue
Kalakaua Avenue
Kaiulani Avenue
Kapahulu Avenue
Kaimuki Avenue
Harding Avenue
Lincoln Avenue
Charles Street
Pahoa Avenue
Olu Street
Makihana Street
Castle Street
Brokaw Street
Catherine Street
Duval Street
Esther Street
St. Francis Street
Robert Place
Frank Street
Kaimuki Avenue
Kapahulu Avenue
Lunalilo Freeway
Palolo Stre
Chamina Univers
24A
24B
25A
25B
H1
HI 92
94
UH Parking Structure
Kaiulani School
Hinawa Street
Kaiolu Street
Kaiamoku Street
Olohana Street
Kuhio Avenue
Kau Avenue
Wai Nani
Kaiulani Avenue
Kuhio Avenue
Kapahulu Avenue
Kaimuki Avenue
Kaiulani Avenue
Kaiolu Street
Kaiamoku Street
Olohana Street
Kuhio Avenue
Kalakaua Avenue
Kaiulani

Hotels Certified For:

Ma'o Hau Hele

Hotels leading the way in sustainability

Koki'o'ula

Hotels going a step beyond

HAWAII STATE Energy Office

Hyatt Regency Waikiki

- On-site cultural practitioners share Hawaiian stories, hula, chants, historic tours, and culture with their guests and associates.
- Lei making, ukulele & hula lessons, and Hawaiian history are all offered every weekday in E Makani ‘Ehā – their space dedicated to the cultural practitioners and Hawaiian lessons.
- Installed new LED lights in public areas and Trane Tracer program to run plant more efficiently and Variable Frequency Drives

Implemented “Totally Green” program inviting guests to opt out of getting maid service

The Royal Hawaiian Resort

- The Royal Hawaiian Resort Waikiki was Energy Star-certified and were recertified in 2011.
- Recognized in 2005 and in 2016 as a HGBP Green Hotel
- Implemented a waste sorting system separating food from paper waste.
- Recycle all wet waste, paper, cardboard, cooking oil, plastic, aluminum, metals and glass.
- Foods collected from trash bins are transported to local farms to for animal feed.
- Switching to environmentally safe water based paints and cleaners.

Recently received USGBC's LEED O+M certification along with the Sheraton Waikiki and Moana Surfrider

DBEDT HAWAII STATE Energy Office

The Modern Honolulu

- Recycling is available in all guest rooms.
- Reduced water usage with WaterSense faucets, showerheads and toilets, with an optional towel and linen reuse program for guests.
- Farm to table food & beverage best practices focus on local, organic and seasonal produce and meats.
- In-room amenities, feature pure essential oils, vitamins and antioxidants – and never use synthetic fragrances or colors.

SMART Room Technology activates guest room air conditioner only after the guest checks in and automatically shuts off air conditioners when balcony doors are open.

Aqua-Aston Aloha Surf Waikiki

- Aqua-Aston is also eliminating single-use plastics by giving the reef-friendly sunscreen away in a tote bag that also holds a reusable water bottle and educating people on the dangers of coral bleaching.

- **Aqua-Aston Hospitality** has handed out more than 35,000 free samples of their reef-safe sunscreen.

- Since 2007 Aloha Surf has reduced consumption of electricity of by 301,440 KWHs or 24.39%; a savings of $90,432 per year at current rates

Aqua Aston Hospitality recognizes the importance of minimizing the impact on the environment with earth-friendly practices.

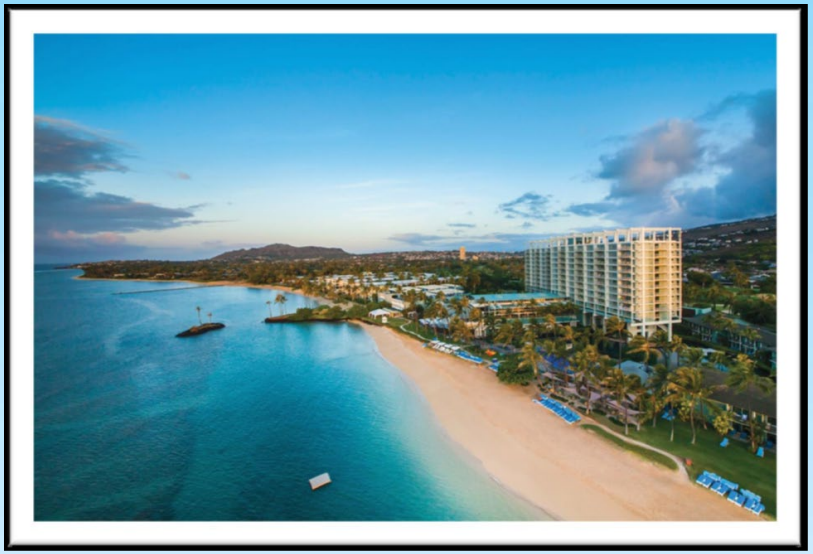
DBEDT HAWAII STATE Energy Office

The Kahala Hotel and Resort

- Partners with the Hawaiian Legacy Reforestation Initiative, to restore part of the natural landscape of the island and plant 200,000 Hawaiian Milo trees.

- No chemicals used near lagoon marine life and the ocean.

- Holokino Hawaii provides an authentic cultural tour of Oahu's Kona district from the vantage point of the ocean looking back towards land - a voyage aboard a Hawaiian Sailing Canoe.



Quarterly community beach and neighborhood clean ups, are conducted.

DBEDT HAWAII STATE Energy Office

Why participate?

- Receive positive public recognition and business promotion
- Attract environmentally conscious clientele
- Demonstrate community goodwill
- Establish positive relationships with regulators
- Provide a healthier and safer workplace
- Motivate and recognize employees' environmental efforts
- Receive free onsite compliance assistance
- Become a sustainable leader in Hawai'i

HAWAII GREEN BUSINESS PROGRAM

DBEDT HAWAII STATE Energy Office

2017-18 HGBP Awardees

HOTELS and VENUES

- Hale Koa Hotel
- Hokulani HGV
- Hyatt Centric
- Hyatt Waikiki
- Kahala Hotel
- Maui Marriott Ocean Club
- Ritz-Carlton Kapalua
- Westin Nanea
- Waialae Country Club
- Hawaii Convention Center

RESTAURANTS AND RETAIL

- Whole Foods Kahala
- Lanikai Juice
- Aloha Tower Marketplace

OFFICE

- Ferraro Choi Architects
- Honeywell Smart Energy
- Valley Isle Excursions
- Windward Comm. College

GREEN EVENTS

VERGE 2017

Global Tourism Summit

Build and Buy Green

Hawaii Library Association

ReNew ReBuild Hawaii

Sony Open

UH Sustainability Forum

BWS Teachers Workshop

Kona Brewing Festival

Program Updates

- Green Event Toolkit – available online
- 10 Entry-Level Checklist for Restaurants and Food Service
- Updating all checklists and scorecards

+ **OTHER EVENTS**

- Hawaii Build and Buy Green – Sept. 21-22
- HTA Global Tourism Summit – Oct. 1-3
- AIA Design Symposium – Nov. 14-15

Mahalo

Gail Suzuki-Jones

808-587-3802

gail.suzuki-jones@hawaii.gov

HAWAII STATE
Energy Office

energy.hawaii.gov