



**HAWAII
GREEN**

2022 **BUSINESS PROGRAM**



**HAWAII
STATE
ENERGY
OFFICE**



Board of Water Supply



**HAWAII STATE
DEPARTMENT
OF HEALTH**



Kyova
Hotels & Resorts, LP



Background:

As one of the last family-owned hoteliers in Hawai'i, Kyo-ya Hotels & Resorts is a proud steward of the exceptional properties they own, and the land on which the properties sit.

With more than 5,000 hotel rooms on two islands (O'ahu and Maui), Kyo-ya Hotels & Resorts' commitment to Environmental, Social and Governance (ESG) efforts is the foundation for all decisions.

Kyo-ya is committed to protecting the fragile sustainable business practices, proactive community initiatives and investment in cutting-edge technology to provide guests with luxurious accommodations and signature service while conserving precious natural resources.

That's why global citizenship plays a key role in Kyo-ya's activities all of its properties: Sheraton Waikiki; The Royal Hawaiian, a Luxury Collection Resort; Moana Surfrider, A Westin Resort & Spa, and Sheraton Princess Kaiulani in Waikiki; and Sheraton Maui Resort & Spa in Kā'anapali.

Highlights:

For nearly 25 years, Kyo-ya's Waikiki properties have been trailblazing pioneers in the area of sustainable practices with the implementation of various energy-efficient projects at these properties since the late 1990s. Some impressive figures:

- A 28 percent decrease in energy usage from 2008.
- A 19 percent decrease in water usage from 2008.
- In 2007, the hotels' farm-to-table produce stood at about 13 percent; it is over 60 percent today.
- Also, recyclable tonnage increased over 90 percent since 2009.
- The properties have collectively received more than \$775,000 in energy-efficiency rebates from 2013 to 2022.
- All hotels have been sending their used cooking oil to Pacific Biodiesel to convert the oil into renewable fuel.

Sheraton Waikiki was the first hotel in Hawai'i to feature charging stations for electric vehicles, Kyo-ya Hotels & Resorts is the first hotel group in Hawai'i to have three oceanfront properties in Waikiki achieve LEED Certification.

LEED, which means Leadership in Energy and Environmental Design, is a rating system developed by the United States Green Building Council (USGBC) for the design, construction and operation of buildings. In 2016, both the **Sheraton Waikiki** and **The Royal Hawaiian** achieved LEED Gold certifications; the following year in 2017, the **Moana Surfrider** became LEED certified. By the end of 2023, the two remaining properties, **Sheraton Princess Kaiulani** and **Sheraton Maui**, in Hawai'i should be LEED-certified.

It should also be noted that as two of the most historic properties in Waikiki, having the 122-year-old **Moana Surfrider** and the 96-year-old **Royal Hawaiian** as LEED-certified, is a significant achievement.

Lo'i Kalo



Tree Planting



Fishpond Restoration

Malama Maunaula Invasive Algae



Highlights (cont.)

A feature of Kyo-ya's ESG efforts is a cogeneration system, which is an on-site system that produces electricity and hot water for both **Sheraton Waikiki** and **The Royal Hawaiian**. The heat generated helps with the hot water needs of the two hotels, and feeds an absorption chiller which provides air conditioning to the hotel. The cogeneration system provides 2.2 megawatts of electricity and supplies approximately 60 percent of the facility's power needs.

The cogeneration system along with a solar thermal system to heat hot water and pool heating, achieved through 40-parabolic concentrator tube collectors on the rooftop of the exclusive Mailani Tower, has helped the Pink Palace of the Pacific reduce fuel consumption by nearly 90 percent. This allows for an annual energy savings of about \$60,000 for the resort.

Some of the initiatives included with the recently completed guest room renovations at **Sheraton Waikiki** are the installation of:

- Double-pane, insulated glass sliding doors with integrated tints to minimize heat and conserve A/C energy in every guestroom
- New Smart thermostats and Electronically Commutated Motors (ECM) in every guest room. ECMs use electronic controls to vary speed.
- All new low flow plumbing fixtures (showerheads, faucets and toilets)
- All LED lights throughout hotel including all guestrooms
- Motion-sensor switches for storage, offices and stairwells

Additionally, the **Moana Surfrider** has made significant investments in bringing more energy efficiency to the resort. This has been achieved through the installation of energy-efficient appliances and devices such as a heat pump, exhaust fan, boiler, cooling tower, and chiller.

All three hotels feature smart-dimming systems throughout public places to compensate for daylight. In addition, each hotel has a Smart Timer Irrigation System designed to monitor water flow and automatically shut off valves dispensing excessive amounts of water. The Smart Timer Irrigation System calculates historical evapo-transportation data and is linked to a weather station located on top of each hotel recording rainfall, wind, humidity, and sunlight to regulate amount of water needed to replenish landscape.

Sheraton Waikiki and **The Royal Hawaiian's** employee Mokihana Cafeteria has implemented a waste sorting system separating food from paper waste. Approximately 300 pounds of food waste is collected daily from trash bins and are transported to local farms to be prepared as meals for animals. Paper, glass, and plastic waste are recycled with Honolulu Disposal Service, which keeps these items out of our overloaded landfills and generates monthly rebates.

On Maui, **Sheraton Maui Resort & Spa** implements a number of core energy efficiency and water conservation initiatives and recycling efforts that protect the natural environment and give back to the community. Sheraton Maui installed 1,130 280w PV panels, resulting in annual PV production of 350MWh, as well as 100 percent LED light replacement throughout the property. Guestrooms feature smart thermostats which are networked and connected to the door locks.

Highlights (cont.)

Biodegradable cups are used at all poolside bars. In accordance with Hawai'i's "HI 5" program, glass bottles, aluminum cans and plastic bottles are recycled. All cardboard is recycled, and food waste is collected and provided to local livestock farmer who utilizes it as feed for livestock. From a guest perspective, the resort offers filtered water stations throughout the resort, as well as providing reusable water bottles to guests at check-in. In 2018, Sheraton Maui was one of the first resorts in Hawai'i to install reef-safe sunscreen dispensers throughout the resort.

In 2017, **Sheraton Maui** was the first resort in Hawai'i to eliminate the use of single-use plastic straws at all outlets and banquet functions.



Huiwai



Lei Making



Hula

MOANA SURFRIDER
A WESTIN RESORT & SPA
WAIKIKI BEACH


SHERATON
Princess Kaiulani


**THE ROYAL HAWAIIAN
RESORT**
WAIKIKI


SHERATON
Maui Resort & Spa


SHERATON
Waikiki