



# HALE KOA HOTEL®



**The Hale Koa Hotel**, fronting the world renowned Waikiki Beach and surrounded by 72 acres of lush tropical gardens, mature shade trees, towering palms, Native Hawaiian plants, and open green space, has proudly provided the men and women of the United States Armed Forces an oceanfront resort for rest and recreation, as well as healing and rejuvenation, since 1975. Many guests at the Hale Koa Hotel return every year since their first visit during service in the Vietnam War. The hotel is dedicated to protecting and preserve this treasured oceanfront retreat for the continued enjoyment of current and future generations of military members and families, all of which is accomplished entirely without taxpayer support using only self-sustained non-appropriated fund (NAF) revenue.

The Hale Koa Hotel successfully completed a variety of energy-saving projects in 2018 as part of the ongoing effort to achieve better energy efficiency and environmental sustainability. We are dedicated to the preservation of Hawaii's natural resources and the continuous reduction of our carbon footprint.

The Hale Koa Hotel achieved installation of various impressive energy efficient equipment during the renovation of the Maile Tower including:

### Energy Efficiency



BacNet Open Protocol/Non Proprietary Building Energy Management System (EMS) providing the HKH with the capability to control energy usage and increase equipment energy efficiency by monitoring and controlling lighting, AHUs, FCUs, cooling towers, steam plant, hot water system, fire pump, chillers, and sub-metering throughout the facility.



Two (2) new BAC Cooling Towers in compliance with energy efficiency standards established by ASHRAE, standard 90.1-2013.



Two (2) new 400-ton water cooled rotary screw liquid chillers using an environmentally preferred HFC-134a refrigerant.



New ultra-high efficiency boilers, energy saving heat pump, hot water tanks.



New condenser and chilled water pumps and VFDs.



Installation of new roof top AHU units and re-insulation of 5600 LF CHW piping.



Installation of INNCOM E7-Series Smart Digital Thermostats to provide the hotel with 35% energy conservation potential based on occupancy and programmable, direct digital control (DDC) technology.



Installation of motion sensor LED light fixtures in the Ilima Tower stairwells that utilizes wireless sensor grouping to light each landing only as traffic approaches.



Installation of new LED/Energy Star rated televisions in guest rooms with maximum 14 amp draw and other energy saving features.



Installation of new roof reflective coating.



Installation of window tinting on the Maile Tower vertical windows and elevator shaft lobby glass providing 82% total solar energy rejection.



Installation of new LED light fixtures in the Maile Tower corridors.



Installation of occupancy sensors in the Maile Tower guest rooms.



Installation of motion sensor LED light fixtures in the Ilima Tower stairwells that utilizes wireless sensor grouping to light each landing only as traffic approaches.

### **Water Conservation**



Installation of Low Flow plumbing fixtures in the Maile Tower guest rooms.



Installation of WaterSense pre-rinse spray valves in kitchens provided by the Board of Water Supply.



Ongoing use of native, drought-resistant plants in landscaping areas.

### **Recycling/Solid Waste Reduction**



Collected/Recycled corrugated cardboard (57.8-tons), glass (74.5-tons), and office paper (1.8-tons), thereby diverting over 134-tons from entering the landfill in 2018.



Ongoing replacement of drinking fountains to bottle re-fillable water fountains to reduce the amount of one-time use plastic bottles.



Replacement of plastic “to-go” take out bags to 100% recycled paper biodegradable bags.



Ongoing transition to “Drinking Straws by Request Only” policy.



On Earth Day, April 22, 2019, the staff of the Hale Koa Hotel participated in a beach/park cleanup successfully sweeping the hotel beachfront and parks of litter and rubbish.



The Hale Koa Hotel provided employees with personal reusable canvas bags to replace use of plastic bags.

For additional information on the Hale Koa Hotel, please visit <http://www.halekoa.com>