

KYOYA HOTELS & RESORTS IN WAIKIKI SUSTAINABILITY INITIATIVES



PARKING GARAGE

- LED lighting throughout Sheraton Waikiki garage
 - Reduction in energy usage by 43%
 - \$13,000 per year savings
- LED exit signage
- Occupancy sensor controlled lighting in stairwells that dim to 10%
- Sheraton Waikiki first hotel in Hawaii to install vehicle charging stations.



LOADING DOCK

- Guestroom, common area and back of house recycling programs implemented for paper, aluminum, plastics and glass.
- Wet kitchen waste goes to local farms to be prepared as meals for animals.
- Associate cafeterias have implemented a waste sorting system separating food from paper waste.
- Recycle fryer oil
- Recycle all cardboard, wood, metal and glass



HOUSEKEEPING

- Implementation of green chemicals
- Orkin uses green products in their pest extermination activities
- Recycle shampoos, conditioners and soaps to Clean the World
- Donate sheets, blankets and pillow cases to charitable organizations.
- Using discarded shower curtains instead of plastic trash liners to collect discarded and specialty linen.



ORKIN GREEN PEST CONTROL

USING THE ENVIRONMENT TO HELP MANAGE PESTS



Orkin's Integrated Pest Management (IPM) programs emphasize non-chemical control techniques like sanitation and structural maintenance to help prevent pest infestations before they start. When more action is needed, Orkin offers a full line of environmentally friendly treatments for our customers who want to go above and beyond to uphold the highest environmental standards.



POOLS & GROUNDS

- Sheraton Waikiki uses waste heat from the condenser water to heat the pool. This will eventually transition to the cogen system.
- 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 evapotranspiration 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.
- One third of all landscaping is water efficient through use of indigenous species.
- Recycle all of our green waste.



BALLROOMS & MEETING ROOMS

- LED downlights to replace all downlighting throughout Sheraton Waikiki ballroom and meeting rooms as part of 2017 renovation.
 - Reduction in energy usage by 74,000kWh
 - \$13,000 per year savings
- Pads of paper, pens and mints are set as stations in meeting rooms instead of at each setting to reduce waste.
- Heavy-duty meeting cloths which require less frequent cleaning.
- Hard top custom tables are utilized for coffee breaks and buffets to reduce linen use.
- Option of using pitchers of water instead of water bottles and choice of using jugs of juice instead of individual bottles.
- All meeting rooms can be equipped with recycling blue boxes or garbage and recycling sorting stations.
- Sensor faucets fitted in all restrooms.



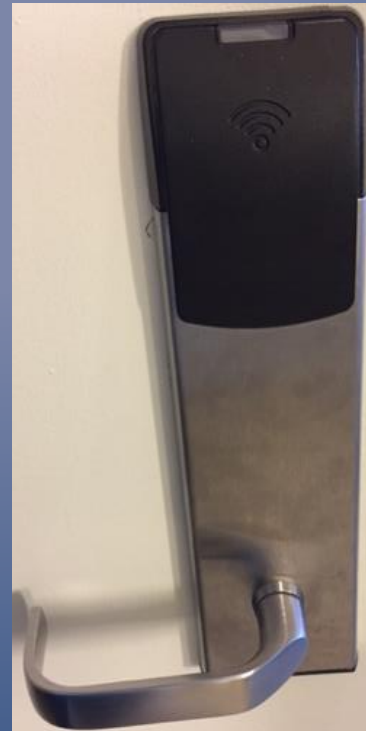
KITCHENS

- *Enzymes to clean drains.*
- *Water efficient spray heads in dishwashing areas.*
- *Led lighting throughout.*
- *LED lighting in all new walk-in's being installed.*



GUESTROOMS & CORRIDORS

- All lanai doors have energy efficient window film.
- Changing of bed linens only if guests indicate by placing the “tent card” on the bed.
- Replacement of towels only if guests indicate by placing towels in the bathtub.
- Paper products in guest rooms are made from recycled paper.
- Inncom thermostats installed in every guestroom. Also tied into RFID door lock network so AC can distinguish between a guest vs. staff key.



GUESTROOMS & CORRIDORS

- *Shower heads are 2.5 gallons per minute.*
- *Faucets are less than 1.5 gallons per minute.*
- *Aerators on all faucets.*
- *Toilets are rated at 1.6 gallons per flush.*
- *Compact fluorescent or LED lamps in all light fixtures.*
- *Corridor AC units scheduled during hot and humid weather only.*

FOOD & BEVERAGE

- *Commitment and focus in all F&B areas on locally grown organic and sustainable produce, fish and poultry.*
- *Purchase of local produce, sustainable seafood, fair trade and organic products.*
- *Chefs observe responsible food planning and purchasing practices to reduce waste and spoilage.*
- *Biodegradable cutlery, corn resin to go cups and recyclable boxes for to go lunches.*
- *Farm to table approach with regard to daily offerings in banquets and outlets as over 40% of all of menus are from local, sustainable sources.*
- *Cultivate relationships on the North Shore where chefs purchase locally harvested fish.*
- *Purchase only Hawaiian grown coffees.*
- *Both vegetarian and vegan are options in the planning process as well as an option during functions and also available at any time in our outlets.*
- *Banquet and In Room Dining menus are available on our website to reduce unnecessary printing.*

MECHANICAL SYSTEMS

- Pre-cool condenser water with incoming domestic water to off load cooling tower.
- VFD's on all larger motors and premium efficiency motors
- Central plant optimization (funded by Hawaii Energy)



MECHANICAL SYSTEMS

- *Sheraton Waikiki Cogen*
 - *2 x 880kW cogen units (60% of our current usage)*
 - *1 x 300 ton absorption chiller to utilize cogen heat output to heat the pools.*
 - *2 x 1,500 ton electric chillers to replace existing (over 20 years old)*
 - *1 x 540kW emergency generator to replace existing (almost 50 years old)*
 - *Replace existing 6 x 2,000 gallon hot water storage system with a new 10,000 gallon system located on mezzanine structure in tunnel.*
 - *New BMS to maximize efficiencies*

MECHANICAL SYSTEMS



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- *Royal Hawaiian Solar Thermal System*
 - Provides hot water to 10th through 17th floors of Mailani Tower, pool and whirlpool.



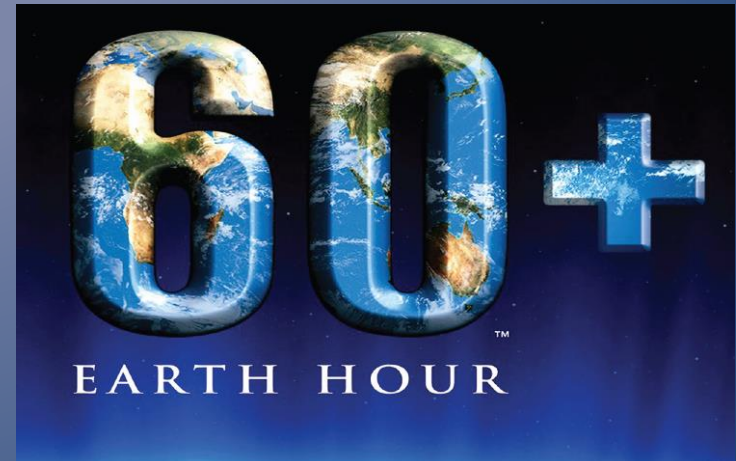
MECHANICAL SYSTEMS

- *Moana Surfrider Central Plant Upgrades*



ADDITIONAL INITIATIVES

- *United Laundry who handles all of our laundry has a green program.*
- *Energy Star appliances (refrigerators, computers, ceiling fans, etc.)*
- *We have Green Teams established at each property.*
- *Installed high speed hand dryers and automatic paper towel dispensers in associates restrooms and locker rooms.*
- *Participate annually in Earth Hour.*
- *Every April is dedicated as Earth Month with activities for guests and associates. Highlight of the month is Earth Day on April 22nd.*



AWARDS & CERTIFICATIONS

- DBEDT Green Business Award 2010 and 2016.
- Energy Star certification in 2011.
- Sheraton Waikiki/ Royal Hawaiian and the Moana Surfrider will be receiving LEED certification in 2017.

