

AQUA 
KAUAI
BEACH RESORT

2014
GREEN HOTEL FORUM

KAUA'I BEACH RESORT
Green Initiatives

elements
of sustainable living

recognizing
the responsibility

sustainable results

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photo credit: Joe Olivas



Aqua Kaua'i Beach Resort

GENERAL HOTEL INFORMATION

- Built in 1986
- Total # of rooms: 350 (incl. 7 suites)
- 4 main buildings
- Total # of floors: 5
- Total # of elevators: 4
- 4 dining outlets: Restaurant, café, pool bar and lounge
- 4 pools including a sand bottom pool with a 75 ft waterslide
- 2 whirlpool spas
- Fitness center, day spa and salon
- Business center
- 12,880 sq ft of flexible indoor function space
- 13,291 sq ft of outdoor function space
- Meeting rooms and Ballroom
- Concierge / Activities Desk
- Apparel and Sundry shop
- Coin operated laundry facilities

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Aqua Kaua'i Beach Resort

PART OF A UNIQUE MICRO-COMMUNITY

Situated on a 25-acre parcel along a 3-mile stretch of beach on Kauai's eastern coast.

Member of a master association that includes:

- 150-room Kauai Beach Villas
- Lagoons and wildlife
- Nearby beach pavilion for public use
- Privately owned 34-acre parcel
- Waste water treatment plant services both resorts and public facilities.



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THE GREENING OF THE AQUA KAUA'I BEACH RESORT

► **2,400 solar panel Photo Voltaic system – installed December 2012.**

- Structures were built over our guest parking area to mount the panels.
- The powerful 592 kw system is currently the 3rd largest privately owned PV system on island.



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Newly installed energy efficient equipment within the hotel includes:

- ▶ **A 210-ton Turbo Chiller - March 2014**
 - Requires 52% less energy than the replaced 150-ton chiller
 - Utilizes eco-friendly R-134A freon

- ▶ **Two (2) 80 lb washers - May 2013**
 - Runs on half the energy of the prior model
 - Additional savings in water and chemical consumption

- ▶ **All pools converted to saline – June 2012**
 - All 4 pools converted from chlorine to saline
 - Improved guest experience
 - Exceptional water quality and safer environment
 - 50% reduction in monthly expenses for chlorination materials
 - Pool water features set on timers for added energy savings

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THE GREENING OF THE AQUA KAUA'I BEACH RESORT

► Landscaping initiatives

- Re-use of grass clippings for mulching
- Xeriscape landscaping

► Lighting efficient measures implemented

- Conversion to LP fluorescent bulbs, reduction of bulbs per fixture from 2 to 1 – all corridors (June 2012)
- Timers on stairwell lights (Oct 2012)
- UV lighting added to fish ponds – (June 2014)
 - help maintain water quality
 - reduce water usage for backwashing ponds
- Emergency Exit lighting replaced with LED type fixtures throughout the property
- Conversion of T-12 fluorescent fixtures to T-8 bulbs in back of house areas throughout hotel (on-going).
- Light sensors installed in Guest Laundry and Fitness Center

► In-room conservation options for guests

- Towel re-use
- Linens changed every 3rd day
- Green containers placed in every room for sorting recyclable items.



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thru recycling

giving back to kaua'i



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THE GREENING OF THE AQUA KAUA'I BEACH RESORT

► EMPLOYEE INVOLVEMENT AND COMMUNITY GIVEBACK THROUGH RECYCLING

EXTENSIVE YEAR-ROUND RECYCLING PROGRAMS are in place for aluminum, glass, plastic, paper, cardboard, metal, wood, electronics, and food waste that is re-used for livestock feed.

HOTEL RECYCLING REDEMPTION PROGRAM:

- Established in May 2013
- An area in the hotel basement was designated as a recycling sorting center for plastic and glass bottles and aluminum cans eligible for redemption.
- Recycling from guest rooms collected and sorted
- Hotel departments sign up on a monthly rotation schedule for sorting.
- KBR works with a local recycling center
- Funds garnered are donated to charities that benefit the local Kaua'i community, primarily through the HLTA Visitor Industry Charity Walk.

Used soft goods, case goods, furniture, fixtures and equipment are commonly donated to local organizations (i.e. Kaua'i Humane Society and local schools). Occasionally inventory is sold with monies donated to local Kaua'i charities as mentioned above.

Unopened paints, primers and stains that are no longer in use were donated to local non-profit organizations such as Restore Kaua'i, a self-funded non-profit that sells restored and recycled materials, and Kaua'i Habitat for Humanity.

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WATER CONSERVATION IN THE AQUA 'OHANA



We are partnering with sister property Aqua Kaua'i Shores Hotel to utilize our laundry operations for their needs, eliminating water usage for laundry at the Kaua'i Shores Hotel, resulting in a minimal increase to our water usage based upon yielding better results through full load usage.



SUSTAINABLE RESULTS

► ELECTRICITY SAVINGS

From 2012 to 2013....

- Occupied room nights increased by 37%
- Realized an electrical savings with the installation of the Photo Voltaic system in December 2012.

Average Monthly Usage:

- (2012) 11,817 kw per month
- (2013) 9,587 kw per month

Variance:

- 2,230 kw or a 19% reduction in energy consumption year-over-year

Electrical Utilities Paid:

- At the end of 2013, we saw a savings of \$292,177 in total amount paid annually for electrical utilities year-over-year to 2012.
- From 2013 to 2014, we saw another 12% savings per month since March when the new 210-ton Turbo Chiller system went online.

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SUSTAINABLE RESULTS

► RECYCLING STATISTICS / May 2013 – May 2014

- 19.6 tons of Old Corrugated Cardboard
- 9.01 tons of Glass
- 6 tons of Metal
- 36 tons of Green Waste

TOTAL: 70.61 tons of recycled materials

► CHARITABLE GIVING through recycling

Through our glass and plastic bottle recycling efforts, the Kaua'i Beach Resort raised \$6,491 for the Visitor Industry Charity Walk bringing our total hotel contribution to \$18,500 (May 2014)



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Mahalo

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