

The Cliffs at Princeville Sustainability Report 2018



The Cliffs at Princeville

3811 Edward Road

Princeville, Kauai, Hawaii 96722

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Executive Summary

Although sustainability is not new at The Cliffs, 2018 marked the first year in which we took steps to formally document a Sustainability Plan that includes our goals and achievements. As such, this 2018 Sustainability report is a milestone which sets the baseline for subsequent years as we plan to produce a Sustainability Report every year to be issued at the Association Annual Meeting.

We established goals and objectives in six categories (see below list) for 2018, and this report documents our progress in achieving the 2018 goals. In addition, this report also documents additional 2019 goals for each of the six categories:

1. Climate Change and Resiliency
2. Operations and Community Engagement
3. Energy Use
4. Land Use and Maintenance
5. Water Use and Conservation
6. Waste Management and Recycling

The 2018 sustainability highlights are listed below:

- Reduced water uses at the resort by almost 1.3 million gallons (10.4%)
- Cardboard recycling increased by 9% (14.5 cubic yards)
- Total material recycled was 244 cubic yards, or 13% of the total waste removed from The Cliffs
- The Emergency/Resiliency Plan was updated after the 2018 hurricane season ended and incorporated lessons learned
- The Cliffs maintains the highest ratings available from both RCI and Interval International
- The Cliffs online guest survey (Cloud Cherry) received 1,310 responses, and a Delight Score of 85
- Staff at The Cliffs played a significant role in the relief efforts after Hurricane Lane
- Pacific Edge Magazine recognized The Cliffs for “Outstanding Social Responsibility”, one of three organizations in Hawaii to receive this recognition
- 314 hours were dedicated by Cliffs Staff to community involvement in 2018
- \$500 was raised by Cliffs Staff for charitable causes
- A total of 91 trees were planted in 2018
- Installation of the large-scale solar energy system across (nine residential buildings with over 3,000 LG 310-Watt solar panels, 198 Inverters and 142 Tesla Powerwall batteries to store the excess power produced
- The newly installed solar system produced 46% of the electrical demand for the timeshare units and whole unit owners displaced an equivalent of 423 barrels of imported oil
- The previously installed solar energy system on the Administration Building met 38% of the needs of the office building (which includes laundry services – a high energy consumer)
- In total, electricity generated by the solar energy system was 719,213 kWh, representing over a 10-fold increase in solar energy produced over 2017.

Introduction

The Cliffs at Princeville

The Cliffs at Princeville was constructed in 1979 and offers condominiums with ocean and garden views. Each beautifully appointed suite features a large bedroom, fully-equipped kitchen, dining area, living room, washer and dryer, flat panel television, broadband internet access, two full baths, and two private lanais. There are 202 units that are used for both time share or are whole owned condominiums.

Dramatically situated on a bluff overlooking the Pacific Ocean on Kauai's spectacular north shore, The Cliffs at Princeville is nestled into 22 acres of lush tropical greenery. Situated between shimmering sea and sculpted emerald mountains the resort is adjacent to one of the world's most challenging and picturesque golf courses, The Makai Golf Course.

On-site recreation opportunities include a putting green, tennis courts, pickle ball, basketball half court, shuffle board, a children's playground, pool and two Jacuzzis. There are Adirondack chairs situated on the ocean bluff as well as a hammock, and opportunities to take a walk through the resorts grounds and gardens. The Cliffs at Princeville rents bicycles at a nominal charge for riding around the Princeville area. There is also a walking path that extends from Princeville entrance and shopping center to the St. Regis Hotel.

Sustainability Overview

Sustainability is defined as the avoidance of the depletion of natural resources in order to maintain an ecological balance. Sustainable Development, as per the United Nations World Commission on the Environment and Development, is "development that meets the needs of the present without compromising the ability of future generations to meet their own needs." The three pillars of sustainability are economic, environmental and social sustainability which embraces the natural environment and human resources.

With increasing urbanization and population growth sustainability concerns have increased in the last two decades. To this point the United Nations issued 17 Global Sustainable Development Goals (SDG) and 169 targets in 2015:



The Cliffs at Princeville by selecting six categories of Climate Change/Resilience, Operations/Community Engagement, Energy Use, Land Use/Maintenance, Water Use/Conservation and Waste Management/Recycling is focused on Sustainable Development Goals 6,7,8,11,13 and 15.

The 2018 Sustainability Report

Sustainability for a resort like The Cliffs is a journey with continuous consideration of social, environmental and economic effects of growth, development and ongoing operations. This Sustainability Report 2018 is the first year such a report was produced and is anticipated to be an annual report issued each year at the Annual Meeting. As such this report sets a baseline for subsequent years.

This Sustainability Report addresses both facility and operational aspects regarding six categories: Climate change and resilience, land use, water, waste, energy and land use while taking into consideration the four interconnected domains of ecology, economics, politics and culture.

The objective of this 2018 Sustainability Report is to document and communicate the progress made against goals established in the 2017-2018 Sustainability Plan. This report provides a summary of progress achieved in 2018 in connection with the sustainability goals set as well as providing a summary of the ongoing sustainable activities. While not a word often used at the Cliffs, sustainability is an underpinning of resort development and maintenance over the past 40 years. Sustainability awareness began in the 1980's in considering social, environmental and economic elements of Princeville, the Island of Kauai and the Hawaiian Islands overall.



Sustainability Focus at The Cliffs Today

The 2018 Sustainability Report addresses the objectives set and progress made in achieving these objectives in calendar year 2018. Also there are many ongoing activities at the Cliffs which are sustainable in nature and are described in this report. The sustainability objectives are categorized into six categories:

- Climate Change and Resiliency
- Operations and Community Engagement
- Energy Use
- Land Use and Maintenance
- Water Use and Conservation
- Waste Management and Recycling



Climate Change and Resiliency



The frequency and intensity of tropical storms have increased over the last 30 years. To this end The Cliffs at Princeville is in communication with Federal, State and County officials regarding storm preparation. Hurricane Iniki in 1992 devastated the island of Kauai and caused substantial damage to The Cliffs. Kauai has been fortunate to not have a major hurricane since 1992 however the likelihood of an extreme event is high.

There were six Central Pacific hurricanes in 2018, one each in Category 1 to 4, and two Category 5 strength (Hurricane Lane and Hurricane Walaka). Hawaii's 2018 hurricane season was among the most destructive in years even though a hurricane never actually made landfall in the islands. It is important to note that even though there was not a direct hit by a hurricane in 2018, hurricanes and resulting tropical storms may cause significant damage. There were several close calls. Hurricane Lane was on a path toward Oahu but broke apart before making landfall. Hurricane Olivia made landfall on Maui and Lanai as a tropical storm and released moderate to heavy rain. Hurricanes and tropical storms this year caused widespread flooding on Kauai, Maui and Hawaii. In fact, the highway North from Princeville is still closed beyond Hanalei.

Results 2018:

The Cliffs took preparation steps during Hurricane Lane as it was uncertain if it would be a direct hit on Princeville. This event had the staff in preparation mode in compliance with The Cliffs Emergency Plan, which outlines the operational steps to be taken to protect assets and safety to our Guests and employees and to provide essential services through these events. As one example of contingency plans, the Administrative Office has a stand-by diesel generator to operate critical office functions during these events.

There is little concern about the potential for storm surge or tsunami impacts given the 200-foot bluff which the Cliffs is located on however high winds and intense rainfall is a concern. Steps have been taken to install roofing materials and solar equipment which should endure 100+ mph wind events.

- ❖ Sustainability Metric: Issue annual update to an emergency/resiliency plan and update by Annual meeting each year: ACHIEVED and ONGOING. The Emergency plan was updated following close of hurricane season (November 2018).

- ❖ Reduce use of high-emitting small engines for landscape maintenance
- ❖ Further reduce use of volatile organic compound emissions by using low VOC cleaners, paints, and paving practices
- ❖ Source rainfall data for the Princeville community for last five years and correlate with solar energy production
- ❖ Given increased intensity and frequency of tropical storms, conduct assessment of infrastructure and public safety threats and define actions to reduce these threats

Operations and Community Engagement

Daily operations emphasize sustainable considerations in the conduct of routine maintenance and up-keep activities. Social cohesion and connectivity to the local community is important to resort operations and guest enjoyment. As a long-standing member in the Princeville Community Association, The Cliffs puts a premium on engagement locally, on the island of Kauai and across the Hawaiian Islands.

Results 2018:

There are several routine activities at The Cliffs which demonstrate sustainability considerations in daily operations and community engagement:

- Exclusive utilization of battery-operated Utility service carts.
 - Ongoing
- Conduct Employee surveys and compensation surveys every three years to gauge employee satisfaction and verify competitive wage rates.
 - Next survey will be conducted in calendar year 2020.
- Conduct Owner and Guest Satisfaction Surveys every three years to receive feedback and input on resort performance to meet and exceed expectations; most recent Owner and Guest survey was conducted in 2018.
 - Survey report was issued October 2018 with follow up ongoing
- Process and interpret Cloud Cherry online survey that each Guest completes for most recent visit. Survey results aligned for period September 2017 to August 2018 to correlate with RCI and II Survey results. The Cloud Cherry results for the period September 2017 to August 2018 are:
 - Survey Size: 1,310 responses
 - Delight Score: 85 out of 100 possible rating
 - Net Promoter Score (Willingness to promote resort) 80 out of 100 possible rating
- RCI and II conduct Guest surveys and report with rating of each resort. Their reporting cycle is September to August, as noted above. The Cliffs was rated “Gold” by II which is highest rating.
- The RCI data for September 2017 to August 2018 (with responses in ()), are listed below:

| | <u>Check In/Out</u> | <u>Resort Hospitality</u> | <u>Resort Maintenance</u> | <u>Unit Maint.</u> | <u>Housekeep</u> |
|--------------------|---------------------|---------------------------|---------------------------|--------------------|------------------|
| Gold Criteria: | 4.6 | 4.5 | 4.5 | 4.4 | 4.5 |
| CCIOA (84 replies) | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 |
| CRVOA (27) | 4.7 | 4.8 | 4.8 | 4.5 | 4.7 |

- Interval International uses a different rating scheme than RCI however providing one consolidated rating score. Their rating period is also September to August. The Cliffs has received “Premier” rating which is their highest rating:

Premier Criteria: Consolidated Score of 75 or greater

Association/Responses Score Rating

CCIOA (89 responses) 88 Premier

CRVOA (12 responses) 77 Premier

- Several Community Engagement activities were conducted in 2018:
 - Participation in fund raising events for schools & disaster community need
As part of the HLTA’s Charity Walk, several school / child-oriented organizations benefited. See below re disaster community needs
 - The Cliffs Staff had a significant role in the Kauai relief efforts after Hurricane Lane. The Reservations and Accounting staff helped in the form of 124 hours in distributing relief supplies. The Cliffs donated sheets and towels and several cases of soap / shampoo to victims
 - Professional Association Engagement:
General Manager Jim Braman is active in Hawaii Lodging and Tourism Association of Kauai and is a member of the Executive Committee. He is also participating on the Kauai Transportation Initiative and Hanalei Initiative for implementation of a Northshore Shuttle to reduce traffic congestion.
Human Resources Manager Hasina Mitchell is President of the Society of Human Resource Management in Kauai
General Manager Jim Braman is President of the Board of Directors for Boys and Girls Clubs of Kauai, Advisor to Kauai Community College Hospitality School, participates in the Host Sector Partnership (a state-wide panel consisting of hospitality and education communities), is a member of the Kauai Tourism Strategic Plan panel, and participates in the Kauai Rotary (including hosting of meetings and activities).
Pacific Edge Magazine recognized The Cliffs for “Outstanding Social Responsibility” in 2018, as one of three organizations in Hawaii to receive this recognition.
- ❖ Continue to offer several wellness and activity programs at The Cliffs. Offerings in 2018 included Cliffs Botanical Walk, Scuba lessons, Yoga, Pickleball Clinic, Watercolor Class, Coconut Basket Weaving, Hula lessons, Lei Making, and Hawaii Language Class
- ❖ Demonstrate community engagement as measured by labor hours and money raised;
 - Number of hours dedicated to community engagement in 2018 was 314
 - Funds raised during year for charitable causes was \$500.

2019 Additional Goals:

- ❖ Pursue RCI Green Certification Program in 2019.
- ❖ Participate and pursue Hawaii Green Business Program recognition.
- ❖ Conduct quarterly sustainability training and reporting to Cliffs staff quarterly and expand safety committee to become Safety & Sustainability Committee
- ❖ Establish cross functional team to coordinate internal sustainability efforts.
- ❖ Participate in Princeville Community Association Sustainability activities.
- ❖ Seek recognition for sustainability achievements (i.e. Solar energy power production) via participation in additional programs such as Aloha+ Challenge, State of Hawaii Green Business Certification, Malama Kauai Green Business program, and Kauai County Energy Use Dashboard.
- ❖ Partner with local county governments to achieve efficient sustainability.
- ❖ Promote Kauai Sunshine Market Activities (aka Farmers Market)



Energy Use



Hawaii is a leader among other states in renewable energy with 33% of total electricity produced in 2018 statewide from rooftop solar and 60 utility-scale renewable energy projects. The statewide goal is to produce 100% of energy from renewable sources by 2045. There were days in 2018 when Hawaii achieved nearly 60% of energy use from renewable sources.

Kauai is a leader nationally as well as locally for energy production from renewable energy. In May, 2018, Kauai Island Utility Cooperative (KIUC) was recognized by the Smart Electric Power Association (SEPA) as the top utility in the nation for energy storage watts per customer, topping the next largest by nearly 8 times the storage capacity. KIUC was also recognized by SEPA with the fifth highest total for annual megawatts of energy storage by utilities across the nation. In 2017, KIUC unveiled the world's first utility scale solar plus battery storage generation facility: this 13 megawatt Tesla solar field coupled with 52 megawatt battery storage system allows KIUC to store solar power during the day and dispatch it over a four-hour period during evening hours. The addition of battery components helped to increase system reliability by 50% over the last ten years.

KIUC has a 2030 goal to produce 70% of energy from renewable sources. By the end of 2017, KIUC was already at more than 40% from renewable sources such as solar, hydropower and biomass, an increase of 8% since 2010. This increased amount of energy from renewable sources allowed KIUC to reduce its use of fossil fuels by 33% or more than 11 million gallons of imported fuel in 2018. On sunny days in 2018, it was estimated that 90% or more of Kauai's daytime energy needs were met by renewable sources. KIUC has reduced dependency on imported fossil fuel from 90% of total energy cost in 2012 to 64% by 2016, the latest data available. At the same time residential electricity costs decreased from \$0.45/ kWh in 2012 to \$0.33/kWh in December 2017, the last data available.

The Cliffs was a pioneer with installation of solar energy systems on the Administrative Building in 2009 to reduce dependency on fossil fuels. The Admin system operates on a net metering basis with KIUC hence some energy is exported during the day when production exceeds demand. The Administrative office, with air conditioning, computers and laundry operations has the highest use of electricity on the

property. The Administrative solar system provides 38% of the required energy for the administrative offices and support facilities during day time hours.

Another significant action taken was the introduction of heat pumps in 2014 to heat the swimming pool and spas, thereby reducing the need for natural gas heaters. The heat pumps operate on electricity while the Keiki pool is heated by the solar system on the Recreation Center roof. Propane is now only used for the pool side torches.

Results 2018:

In 2015 to 2018, The Cliffs contracted for a power purchase agreement and oversaw the installation of a large-scale solar energy system on the nine residential buildings which included 3,000 LG310 watt solar panels, 198 inverters and 142 Tesla Powerwall batteries to store energy produced, but not consumed during daylight hours. A total of 27 closets were added to the property to house the Tesla battery systems; five of these closet structures are free standing. All closets were sided with the same vinyl siding and gable roofs to enhance overall appearance and to blend in with existing structures.

The system, which cost nearly \$10M dollars, was installed under a 20-year power purchase agreement (PPA) whereby energy is provided during the day from the panels, from batteries during the evening and from KIUC as a fallback energy supplier. This system initially went operational in late 2017. The electricity produced and consumed from solar panels during the day is charged to the Cliffs at \$0.20/kWh, electricity from battery sources is billed at \$0.04 below KIUC rates or \$0.32149 kWh while KIUC electricity charge rate is \$0.35 kWh. Surplus electricity was sold to KIUC at wholesale rate of \$0.15676 kWh.

Energy conservation actions taken in 2018 were replacement of all incandescent lighting with LED bulbs in the Administration Building and the Recreation Center, while public area lighting is still a mix of bulbs. LED bulbs last longer and hence require less maintenance and use less energy to achieve the same or better output. Occupancy sensors are installed in the Administrative Office areas. Office equipment such as computers and copy machines are lower power consumers over earlier models. Efforts are made to power down equipment when possible. To address employee work conditions, an air conditioning system was added to the laundry operations in 2018 which increased energy demand by 18,000 kWh to a total for the laundry operations of 33,634 kWh.

Performance against metrics for 2018 are summarized below:

- ❖ Energy produced by Administration solar system met 38% of Admin Building needs; Administration offices required 137,457 kWh, of which 62% was purchased from KIUC:
 - 2017 Admin solar energy system production: 70,416 kWh
 - 2018 Admin solar energy system production: 52,394 kWh (decrease of 26%)
 - Decrease caused by weather-related issues
 - Solar energy avoided buying electricity for KIUC at cost equivalent of \$18,338
 - Solar energy replaced 31 barrels of imported fuel (1700 kWh/barrel)

- ❖ The total solar energy system production at The Cliffs produced 719,213 kWh of electricity which is equal to 423 barrels of imported oil. This represents 46% of total energy demand at the Resort (total energy demand in 2018= 1,561,989 kWh).

- ❖ Whole Unit Owners received 58% of their energy from the solar system indicating a concerted effort to better align supply of renewable energy with demand activities. Time share and common area renewable energy was 39% of the total energy demand with 61% purchased from KIUC.
- ❖ The need to better align energy demand across the facility with solar energy production is both a need and ongoing educational activity to our timeshare guests.
- ❖ The production of renewable energy exceeded the daylight demand, even after fully charging all the batteries, such that 416,031 kWh were exported to the KIUC grid, further reducing dependency in Kauai on imported fuel by 245 barrels of imported oil in 2018.
- ❖ Overall, solar generated electricity increased more than 10-fold in 2018 over 2017 with the installation of the larger solar energy system. The newly installed system plus the current Admin solar energy system produced 719,213 kWh in 2018.

2019 Additional Goals:

- ❖ Initiate consumer education programs at The Cliffs to inform Owners and Guests to use high energy consuming appliances during daylight hours to the extent possible.
- ❖ Review electricity consumption (demand) and production (supply) data from 2018 to further define the next steps to utilize a higher percentage of the renewable energy produced and hence rely less on purchasing energy from KIUC.
- ❖ Conduct energy audit to identify opportunities for implementation of energy efficient actions with short-term payback.
- ❖ Based upon energy audit, identify longer-term payback options to improve energy efficiency.
- ❖ Parking lot lights will be replaced with LED bulbs
- ❖ LED bulbs will be installed in public areas;
- ❖ All timeshare units will be outfitted with LED bulbs in their interiors;
- ❖ Continue to procure Energy Star Certified appliances for all replacements and renovations.



Land Use and Maintenance

The Cliffs is situated in a beautiful natural setting with an abundance of trees, shrubs and plants. It is a priority to conserve the natural topography, views, drainage patterns, and existing vegetation. There is a concerted effort to replace invasive trees and shrubs with naturally occurring vegetation. Buildings 1, 2 and 3 have undergone significant landscape redevelopment and enhancements with naturally occurring vegetation including fruit trees.

Ongoing sustainability activities include the following:

- Vegetation that is cut down is recycled as compost on the property (green waste);
- Pesticide and herbicide use is strictly restricted, and limited;
- Biodegradable fertilizers are used on the property;
- Glyphosate-containing products are not used on the property (i.e., Roundup);
- Nature walks are conducted on the facility as part of overall guest activity offering;

- Weekly there is a farmer’s market on-site where local farmers brings their locally-grown garden products for sale to Cliffs’ owners and guests;
- Open space areas have been maintained to restrict development and preserve and protect the natural environment;
- Given natural rainfall and the importance to prevent erosion, special attention was taken to maintain natural drainage patterns and avoid flooding;
- Ongoing action including taking steps to control and eliminate invasive plant species in natural areas across the property.

Results 2018:

- ❖ Landscape is designed and maintained to enhance and compliment overall facility. The estimated number of hours per month dedicated to landscape maintenance activities is 640 hours.
- ❖ A partial tree canopy assessment has been made to define number, nature and health of trees on property with the results as indicated below: _Per Kaleo’s Tree Service, all trees on property are healthy. Recommendations for future pruning schedules were included. Number and type were not specified as part of this assessment.
- ❖ Continue to encourage Owners and Guests to harvest local fruits grown on property;
- ❖ Continue to encourage Owners and Guests to participate in both weekly on-site “farm to plate” events and local Farmers Markets;
- ❖ New tree planting occurred during 2018 to optimize public health and storm water benefits while enhancing the overall appearance of the property. A total of 91 trees were planted in 2018:

- 4 Samoan Coconut
- 4 Fan Palms
- 27 Foxtail Palms
- 14 Date Palms
- 14 McArthur Palms
- 7 Royal Palms
- 13 Pua Kenikeni
- 3 Ling Ling and
- 5 miscellaneous fruit trees



2019 Additional Goals:

- ❖ Inform Guest and Owners of nearby trails to hike; and
- ❖ Maximize the amount of open spaces accessible to Owners and Guests.



Water Use and Conservation

Water is an abundant resource in Hawaii however the pumping and distribution of irrigation water, drinking water and treated water is a significant consumer of energy. Water bills are determined based upon the amount of water consumed, hence our concern is the optimal use of water. While Kauai is regarded as the Garden Island and is the 'wettest place on earth' based upon annual rainfall, there are times during the year when irrigation is required.

One step taken in this regard was the upgrading and restoration of the landscape sprinkler systems. The sprinkler system compliments natural rainfall as the sprinkler system is now triggered by moisture sensors rather than timers. One moisture sensor was installed in 2018 in place of timers. Other on-site irrigation systems are operated manually rather than on timers. Both actions limit the amount of water used with irrigation only when necessary.

Other major activities to restrict water use is the installation of water flow restrictors, low water toilets and low water use washing machines and dishwashing machines. Since the drinking water quality in Princeville is good, owners and guests are encouraged to use tap water rather than purchasing bottled water in plastic containers.

Results 2018:

- ❖ The Cliffs continued to educate and support the community in preparing for and managing flooding events;
- ❖ Water usage is monitored monthly and reported annually using 2017 as a benchmark year. Because the sprinklers were restored late in 2018, reduction in water use was minimal. Performance metrics in terms of gallons of water consumed is listed below using 2017 as a baseline year:

2017 Water usage: 12,122,000 gallons

2018 Water usage: 10,865,454 gallons (projected),

A reduction of 10.4% year over year which equals a water use reduction of 1,256,546 gallons.

Additional Goals for 2019:

- ❖ Label storm drains indicating ocean destination of discharge;
- ❖ Ensure usage of low flow toilets in the common areas of the property.



Waste Management and Recycling

The Cliffs has practiced solid waste management and recycling for several years by encouraging residents to recycle bottles and cardboard through centralized centers on the property.

Activities taken in 2018 to further encourage solid waste reduction and recycling include the following:

- Three additional recycling locations have been added to the property to provide for four conveniently located stations to receive recyclable materials;
- Utility sacks provided to Guests at check-in to discourage plastic bag use from shopping centers;
- Every timeshare unit has waste baskets to separate recyclable plastic and cans from trash.

Results 2018:

- ❖ Measured solid waste produced:
 - 2017 Solid waste produced: 1,503 cubic yards
 - 2018 Solid waste disposal at landfill: 1,601 cubic yards, 7% increase year over year.

- ❖ Recycled Material performance metrics:
 - 2017 Cardboard recycled: 164 cubic yards
 - 2018 Cardboard recycled: 178.5 cubic yards, an increase of 9% or 14 cubic yards year over year. This was influenced by ongoing renovation activities and routine appliance replacement where materials and appliances come packaged in cardboard.
 - 2018 Plastic recycled: 104.4 cubic yards
 - 2018 Glass containers recycled: 37.2 cubic yards
 - 2018 Paper recycled: 68.6 cubic yards
 - 2018 Metal recycled: 32.4 cubic yards
 - Total material recycled: 243.6 cubic yards /13% waste removed from facility

2019 Additional Goals:

- ❖ Install recycling bin that includes cardboard in proximity to Building 7, 8 and 9 to reduce solid waste and increase recycling
- ❖ Set Goal for increasing recycling in 2019:
 - Cardboard, Plastic, Paper and Glass:
- ❖ Set goal to reduce solid waste disposal at landfill
 - Reduction goal:
- ❖ Conduct audits to identify other waste reduction opportunities.
- ❖ Establish public events to be 'zero solid waste' with use of recyclable or reusable materials.
- ❖ Support proper disposal of household hazardous waste, pharmaceutical and personal care product waste by working with Kauai County to advertise options for proper disposal.
- ❖ Support proper disposal of electronic waste by working with Kauai County to advertise options for proper disposal.

Summary

The Cliffs at Princeville is a sustainable resort. For many years activities have been formalized to improve the appearance and operating environment at The Cliffs. Activities including to partner with local food banks to address community hunger, encourage good health and well-being with Employee, Owner and Guest wellness programs. The Cliffs' staff have participated with local school programs to fundraise to improve quality education. We also strive for gender equity by providing equitable pay for men and women performing similar tasks and strive to offer competitive wages and check employee satisfaction via periodic employee surveys. We work to ensure that water delivery systems are functioning and waste disposal systems (sanitary, solid waste) are handled appropriately. Affordable, renewable energy will be delivered by use of solar energy systems. The Cliffs leadership team demonstrates community engagement by participating in several island-specific and Hawaii-wide Associations.

The remarkable setting of the Cliffs is enhanced by the maintenance activities which also minimize environmental impacts. The Cliffs employs responsible use of pesticides, herbicides, insecticides and fertilizers while avoiding the use of glyphosate containing products.

This 2018 Sustainability Report for The Cliffs at Princeville brings attention to the many routine activities in place and outlines new performance metrics across Climate Change & Resiliency, Operations & Community Engagement, Energy Use, Land Use and Maintenance, Water Use and Conservation, and Waste Management & Recycling.

