



Project Highlight

OUTRIGGER Kauai Beach Resort, HI

AMERESCO 

Energy as a Service Unlocks Deep Retrofit Delivering Enhanced Guest Experience

Technology Type:

Central Plant Replacement | Combined Heat & Power | Water Heating | HVAC | Smart Thermostats | Building Management Systems | LED Lighting | Transformers | Energy as a Service (EaaS) | Real Time Monitoring | Asset Planning Solutions

Facility Size

350 guest rooms

Project Term

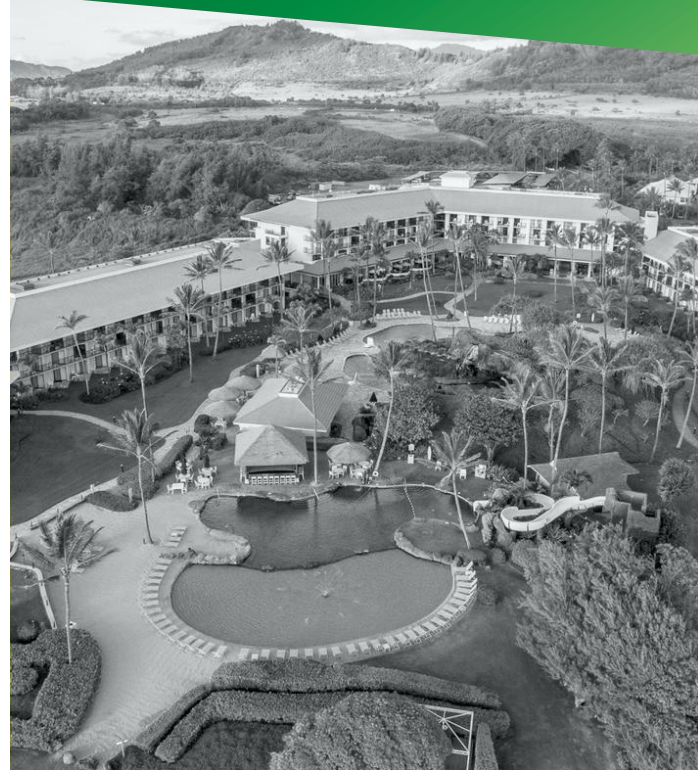
15 years

Energy Project Size

\$15.5 million

Estimated Annual Savings

\$356,000



Summary

OUTRIGGER Kauai Beach Resort partnered with Ameresco to implement efficiency measures to improve comfort for guests while reducing its environmental impact to help meet sustainability goals. Under a 15-year Energy as a Service (EaaS) agreement, Ameresco installed LED lighting, upgraded central plant and HVAC systems, installed Building Automation Systems and controls, and implemented AssetPlanner® for real time monitoring and maintenance management. Ameresco will also provide ongoing operations and maintenance support for the duration of the 15-year contract.



Solution

Looking for ways to improve sustainability while enhance their guest experience, OUTRIGGER Kauai Beach Resort partnered with Ameresco to implement energy efficiency upgrades. Ameresco entered a 15-year Energy as a Service (EaaS) agreement to update and replace the 25-acre oceanfront resort's equipment without any upfront capital. The renovation project included:

- Central plant resiliency with two 300-ton chillers and associated chilled water/condenser water pumps
- 350 guest room Fan Coil Units (FCUs) with Electronic Commutated (EC) motors and smart guest room thermostats and controls
- 5 FCUs to provide air conditioning to back of house staff areas
- High efficiency gas boilers and water heaters, new hot water line, and heat recovery via 30-ton chilled water source heat pump
- Direct digital control system (DDC) for central plant, chilled water pumps, condenser water pumps with VFDs, cooling tower VFDs and hot water system added to DDC
- Common area interior and exterior LED upgrades
- 13 electrical transformer replacements
- Smart controls for kitchen walk-ins and exhaust hood
- Computerized maintenance management system, real time performance monitoring, and KPI measurement and verification through Ameresco's AssetPlanner® software suite



We're excited to announce the completion of our energy efficiency project at OUTRIGGER Kauai Beach Resort. This marks a major milestone, modernizing our energy infrastructure and enhancing the guest experience. Thanks to Ameresco's partnership, we've integrated new technology and measures, showcasing our commitment to sustainability and a greener future.

Frank Guarin,
Resort Manager
OUTRIGGER Kauai Beach Resort



Benefits

In addition to improving the comfort and experience of its guests, OUTRIGGER Kauai Beach Resort's upgrades will reduce energy consumption and overall utility costs. This will in turn reduce its environmental footprint and help achieve its sustainability goals. Additional benefits include:

- Improved energy resiliency
- Reduced risk exposure through capital renewal and ongoing preventative maintenance
- EaaS structure enables upgrades and modernization with no upfront capital

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

