

Specifications:

Location: Waikoloa, HI

Date Completed: Spring 2009

System Size: 4,200W DC

Modules: 20 Suntech STP210

Charge Controllers: 3 Outback Power FlexMax80

Description:

The 4.2kW solar electric facility is installed on the flat roof of the support building for the cell tower. The system consists of 20 solar modules and three Outback Power FlexMax 80 charge controllers. The system feeds directly into the facilities existing DC electrical system, supplying power to the electronics and charging the backup batteries. The system was specially designed to compensate for intermittent/transient shading issues that exist at the site.

Verizon Wireless is able to reduce their demand for grid power, extend their operational uptime during grid power outages and prolong the life of the batteries with the addition of the photovoltaic system.

CASE STUDY

**Verizon Wireless
Waikoloa Village Facility
Waikoloa, HI**

About Island Pacific Energy

Island Pacific Energy is the leading developer/operator of photovoltaic solar energy facilities in the State of Hawai'i and is the recipient of the Governor's Award for Innovation. Island Pacific Energy makes renewable energy systems affordable to Hawaiian consumers, businesses, government, and not-for-profit organizations. For more information, please visit www.islandpacificenergy.com.



**ISLAND PACIFIC
ENERGY**

2800 Woodlawn Drive, Suite 147
Honolulu, HI 96822
(808) 377-4570

www.islandpacificenergy.com

