

Specifications:

Location: Keauhou, HI

Date Completed: Fall 2009

System Size: 4,200W DC

Modules: 20 Suntech STP210

Charge Controllers: PVPowered PVP3500

Description:

The 4.2kW solar electric facility is installed on the pitched metal roof of the Kona Soap Factory building. The system consists of 20 solar modules and one PVPowered PVP3500 inverter. The system is interconnected to the local utility via a Net Metering Agreement, supplying nearly 100% of the facilities power requirements.

To help pay for the system, Island Pacific Energy arranged for a grant from the USDA Rural Energy Development Program. Combined with the Federal and State tax credits, the system pays for itself in less than three years.

The photovoltaic solar energy system enables Kona Natural Soap to nearly eliminate their demand for grid power. By using the clean, renewable energy from this solar energy system, Kona Natural Soap helps the environment by avoiding harmful emissions such as carbon dioxide, nitrogen oxide and sulfur dioxide.

CASE STUDY

**Kona Natural Soap Company
Keauhou, 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.islandpacifenergy.com.



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