



887 kW DC Solar PV System

Joint Base Pearl Harbor-Hickam
Hawaii National Guard
Honolulu, HI

OVERVIEW:

DESIGNER: Hannah Solar Government Services
INSTALLER: Hannah Solar Government Services
CUSTOMER: Hawaii Air National Guard
TYPE OF CUSTOMER: Government
OWNER: Hawaii Air National Guard
LOCATION: Honolulu, HI
SYSTEM CAPACITY: 887 kW DC
INSTALLATION TIME: 7 Months
COMMISSION DATE: April 2016
EQUIPMENT SPECIFICATIONS:
MODULES: Canadian Solar 310P
INVERTER: SMA Sunny Tripower
MOUNTING: S5, RBI, Unirac



The HSGS team designed and installed four new solar PV arrays for the Hawaii Air National Guard consisting of two parking canopy's, one ground mounted array, and one roof mounted system. The ground array totals 550 kW DC supplying the F-22 Squad Operations building with power, and the Aviation Ground Equipment building which repairs aircraft. The Squad Operations facility is the first net zero energy facility for the Hawaii Air National Guard due to the combined solar power input. The 63 kW DC roof mounted system supplies power to the Low Observation Composite Repair Facility, which does maintenance on aircraft. One parking canopy is 178 kW DC and supplies power to the Civil Engineering building, and the second parking canopy is 96 kW DC and supplies the Flight Simulator with power. The solar PV systems total 887 kW DC in clean power for the base. The base anticipates the electricity produced will save \$830,000 in yearly expenses. This project was funded by the Department of Defense Energy Conservation Investment Program (ECIP).



About Hannah Solar Government Services:
Hannah Solar Government Services (HSGS) is a Service Disabled Veteran Owned Small Business specializing in the project development, design, installation, and maintenance of commercial and utility scale solar PV systems and electric vehicle charging stations for government, commercial, utility, and residential clients. All solar PV systems are designed by an in-house engineering team and installed by NABCEP certified solar PV installers.

