JB PEARL HARBOR-HICKAM

Honolulu, HI

887-kW Solar PV System – Ground Array, Parking Canopy, and Roof Array

Hannah Solar Government Services (HSGS) was contracted to design and install four new solar photovoltaic (PV) systems for the Hawaii Air National Guard at JB Pearl Harbor-Hickam consisting of one ground array, one roof-mounted system, and two parking canopies. The ground array totals 550-kW (DC), supplying power to the F-22 Squad Operations building as well as the Aviation Ground Equipment building, which is where aircraft are repaired. The Squad Operations facility is the Hawaii National Guard's first net-zero energy facility due to the combined solar input of this system.

The Low Observation Composite Repair Facility is powered by a 63-kW (DC) roof-mounted system; the Civil Engineering building receives energy from a 178-kW (DC) parking canopy; and the Flight Simulator receives its power from the 96-kW (DC) parking canopy. The full solar PV system totals 887-kW (DC) in clean power for the base. This project was funded by the Energy Conservation Investment Program (ECIP) under the Department of Defense (DOD). The Hawaii Air National Guard anticipates the electricity produced will save over $800,000 in energy expenses yearly.

Project Specifications:

Customer: Hawaii Air National Guard

Project Value: $6.2 M

Project Completion: November 2016

Role: Prime Contractor – Designer and Installer

Equipment Specifications:

Modules: Canadian Solar

Inverter: SMA Sunny Tripower

Structure: S5; RBI; Unirac

ABOUT US: Hannah Solar Government Services (HSGS) is a Service-Disabled Veteran Owned Small Business (SDVOSB) leading the way in global energy security by designing and building renewable energy and microgrid systems. HSGS specializes in the design, engineering, construction, and maintenance of solar PV, energy storage, and microgrid systems. Serving government, commercial, industrial clients, HSGS' breadth of experience includes projects that span the continental United States as well as overseas.

Hannah Solar Government Services

A Service-Disabled Veteran Owned Small Business

Veterans leading the way in global energy security

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