



WHITE SANDS MISSILE RANGE

White Sands, NM

791-kW Ground Mount PV Array, 300 kW Natural Gas Generator, and 775-kW/3.1 MWh BESS with Microgrid Controls

Hannah Solar Government Services (HSGS) entered into a joint venture (JV) project with Ameresco, Inc., a large renewable energy and efficiency company. The JV, HSGS-Ameresco was awarded a contract by the U.S. Army Corps of Engineers (USACE) to perform the construction and integration of a complex microgrid at White Sands Missile Range (WSMR) in New Mexico.

The HSGS-Ameresco team build a 791-kilowatt solar photovoltaic (PV) array features Hanwha modules that are supported by a Brilliant Rack structure and connected to Solectria inverters. The Tesla brand Battery Energy Storage System (BESS) is 775-kilowatts/3.1-megawatt-hours. These two energy saving systems are connected to a 300 kW GenSet natural gas generator and integrated into WSMR's electrical grid with microgrid controls. If necessary, the facilities connected to the system will be able to operate in isolation from the rest of the utility grid.



Project Specifications

Customer: USACE Albuquerque District

Project Value: \$11M

Project Completion: January 2025

Role: Prime Contractor – Construction

Equipment Specifications:

Modules: Hanwha

Inverter: Solectria

Structure: Brilliant Rack

Generator: GenSet

BESS: Tesla Megapack

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.



HSGS-Ameresco
A Service-Disabled Veteran Owned Small Business
www.hsgs-ameresco.com | 843.718.1866



**US Army Corps
of Engineers®**



HSGS-Ameresco, LLC