



HARRAH'S CHEROKEE VALLEY RIVER CASINO HOTEL

Murphy, NC

705.6-kW Ground-Mounted Solar PV Array

Hannah Solar Government Services (HSGS) was contracted by Siemens Government Technologies to design and install a solar photovoltaic (PV) array. The system sends energy to Harrah's Cherokee Valley River Hotel & Casino, which is run by the Eastern Band of Cherokee Indians (ECBI). A 705.6-kW (DC) ground-mounted PV system was installed, featuring REC 280W modules that are supported by a Ready Rack structure and connected to ABB TRIO inverters.

This solar PV system was partially funded by a grant from the U.S. Department of Energy. The power produced by the array will offset a portion of the energy demand from the casino and hotel, as well as two administration buildings.

Developed by the EBCI, Harrah's Cherokee Casino was the first major casino in North Carolina to open its doors. Harrah's Cherokee Casino has abundantly grown since the 1997 debut, and it has since developed a hotel and restaurants like Ruth's Chris Steakhouse and Paula Deen's Kitchen.



Project Specifications:

Customer: Siemens Government Technologies

Project Value: \$942K

Project Completion: Dec 2018

Role: Subcontractor – Designer and Installer

Equipment Specifications:

Modules: REC Solar

Inverter: ABB

Structure: AP Alternatives

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.



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