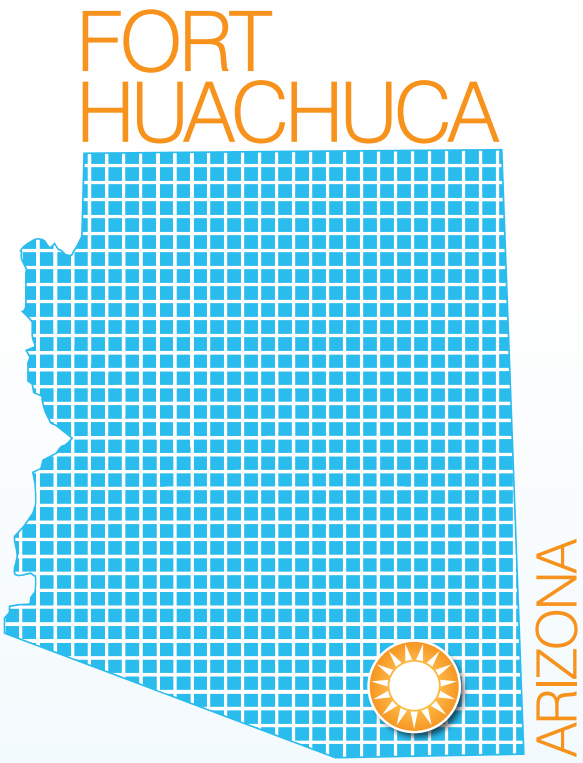

Fort Huachuca Renewable Energy Project

In 2014, the U.S. Army Office of Energy Initiatives (OEI) and Fort Huachuca partnered with the General Services Administration (GSA) and Tucson Electric Power (TEP) to develop a large-scale renewable energy solar project to supply approximately 18-megawatts (MW) alternating current, or about 25 percent of Fort Huachuca's electricity requirements. In December 2014, the project became operational; more than 57,000 solar panels are supplying Fort Huachuca and the Southern Arizona grid with renewable energy.

This project established a new and streamlined path for innovative partnering between the military, other federal agencies, private industry and the utility service provider.

The Army is committed to partnering with industry and utilities on renewable energy projects that will strengthen the resiliency of our installations through increased security and sustainability.

Fort Huachuca is contributing to the Army's goal of deploying one gigawatt of renewable energy by 2025.

Project Details

- The project is located on approximately 68-acres of land in the Fort Huachuca cantonment area
- The Army and TEP signed a 30-year easement to facilitate the project
- TEP contracted with industry partner E.ON for the system's design, engineering, procurement and construction management
- TEP funds, owns and operates the solar project and the Army purchases energy through an existing GSA Area-wide contract at Arizona Corporation Commission-approved rates, securing renewable energy at no additional cost
- As the utility provider, TEP streamlined the interconnection process through its Fort Huachuca substation, thereby reducing interconnection costs and improving system reliability

Solar arrays generate Direct Current (DC). Alternating Current (AC) is provided to consumers. Inverters convert the power from DC to AC and losses occur during conversion. Currently, the project supplies 17.3 MW DC and 13.6 MW AC and upon completion in 2015, the project will supply approximately 18 MW AC.

January 2015

About OEI

The Office of Energy Initiatives centrally manages, develops and executes large-scale, (10 MW or greater) renewable energy projects, leveraging private financing. Renewable energy produced on Army installations increases energy security, enhances mission effectiveness, and provides a means to temper rising energy costs.

About Fort Huachuca

- Located in Sierra Vista, Arizona, 75 miles southeast of Tucson and 15 miles from the U.S.-Mexico border, Fort Huachuca's main and auxiliary installation properties cover 100,539 acres. It also manages 964 square miles of restricted airspace and 2,575 square miles of electronic ranges
- Fort Huachuca includes more than 5.5 million square feet of operational facilities, more than 1,000 family housing units, three remote airstrips, and three schools. Libby Army Airfield's 12,001-foot concrete runway is the centerpiece of the Army's sixth busiest continental U.S. airfield
- The installation supports more than 50 one-of-a-kind tenants and missions with national-level requirements, including: unmanned aircraft systems, training and operations, military intelligence, and cyber security. Fort Huachuca is home to the U.S. Army Intelligence Center of Excellence, Network Enterprise Technology Command, Electronic Proving Ground, Joint Interoperability Test Command, Communications Electronics Command, and Information Systems Engineering Command
- Fort Huachuca is a vital national asset supporting joint and interagency teams with critical aviation, intelligence, signal, and cyber enablers. Located in close proximity to joint strike capabilities, Fort Huachuca is strategically positioned to support complex mission command operations and exercises
- The installation peak electricity demand is approximately 23 MW

About GSA

GSA oversees the business of the U.S. federal government. GSA's acquisition solutions supply federal purchasers with cost-effective, high-quality products and services from commercial vendors. GSA provides workplaces for federal employees, and oversees the preservation of historic federal properties. Its policies covering travel, property and management practices promote efficient government operations.

About TEP

Tucson Electric Power (TEP) provides safe, reliable power to 414,000 customers in Southern Arizona. An industry leader in renewable energy, TEP has worked with customers to develop nearly 275 MW of solar generating capacity, enough to meet the annual electric needs of 58,000 homes. This success has earned TEP repeated recognition among the Solar Electric Power Association (SEPA) Top 10 Utility Solar Rankings, as well as the honor of being named SEPA's 2012 Investor Owned Utility of the Year. TEP and its parent company, UNS Energy Corporation, are subsidiaries of Fortis, which owns utilities that serve more than 3 million customers across Canada, the United States, and the Caribbean.

About E.ON

E.ON contracted with TEP to develop this large-scale renewable energy project. E.ON's diversified business consists of renewables, conventional and decentralized power generation, natural gas, energy trading, and retail and distribution. With its broad energy mix, E.ON owns almost 68 GW of generation capacity and is one of the world's leading renewables companies.

To continue the discussion and follow updates on social media, please use #HOOAHenergy and visit the Army's Office of Energy Initiatives (OEI) website at www.oei.army.mil.

January 2015