



Fort Rucker Large-Scale Renewable Energy Solar Project

About Fort Rucker

Fort Rucker was opened 1 May in 1942 as “Camp Rucker”, and had quarters for 3,280 Officers and 39,461 Enlisted Personnel. Today, Fort Rucker supports a population of about 15,600, including 5,000 uniformed personnel, 7,000 civilian and contract employees and 3,600 family members on post. The U.S. Army Aviation Center of Excellence (USAACE) is the dominant military mission of Fort Rucker. USAACE trains, educates and develops Army Aviation professionals and integrates indispensable Aviation capabilities across warfighting functions in support of commanders and Soldiers on the ground. Army Aviation – including Army Special Operations Aviation – has played a vital and ever-expanding role across the spectrum of Joint Combined operations.

The U.S. Army Office of Energy Initiatives (OEI), Fort Rucker, the Army Corps of Engineers, Mission and Installation Contracting Command (MICC), and the General Services Administration (GSA), are collaborating with the Alabama Power Company (APC) to develop a 10 megawatt (MW), alternating current (AC)*, large-scale renewable energy solar project.

This project is one of four large-scale renewable energy projects being developed on Army installations in Alabama. Other projects include an 18,000 MW hours per year solar project and a 25 MW Combined Heat and Power generation facility at Redstone Arsenal, and an approximate 10 MW AC solar project at Anniston Army Depot.

Project Details

- Fort Rucker has identified 90 acres on the installation for the project
- This facility will generate enough solar energy to power about 1,600 homes per a year
- The Army and APC will enter into a 30-year easement for the property
- Fort Rucker will continue to procure power from APC through an existing GSA Areawide Contract
- APC, owned by Southern Company, will develop, finance, design, install, own, operate, and maintain the large-scale renewable energy solar project
- Energy generated by the project will be delivered to the grid as part of APC’s wholesale portfolio
- The project is expected to be operational by Fall 2016



Fort Rucker, Alabama, home of the 1st Aviation Brigade, U.S. Army Combat Readiness Center and the Warrant Officer Career College

*Alternating Current (AC) is provided to consumers. Inverters convert the direct current (DC) from solar panels to AC and losses occur during conversion $\sim 10 \text{ MW AC} = \sim 12.5 \text{ MW DC}$

Fort Rucker, Alabama

About OEI

The OEI centrally manages, develops, and executes large-scale renewable energy projects, 10 MW or greater, by leveraging private financing. Renewable energy produced on Army installations increases energy security and resiliency, enhances mission effectiveness, and provides a means to stabilize energy costs. For more information about OEI visit: www.oei.army.mil.

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. GSA through the Energy Division reduces federal utility costs by promoting optimal energy use.

About MICC

Headquartered at Joint Base San Antonio-Fort Sam Houston, Texas, the Mission and Installation Contracting Command is made up of more than 1,500 military and civilian members assigned to three contracting support brigades, one field directorate office and 32 contracting offices throughout the continental United States and Puerto Rico. MICC supports Army Commands, installations and activities with disciplined and responsive contracting solutions and oversight. It also, on order, aligns and provides contracting forces in order to enable Army Unified Land Operations.

About Alabama Power Company

Alabama Power provides the valuable combination of competitive prices, reliable electricity supply and unparalleled service to more than 1.4 million homes, businesses and industries in the southern two-thirds of Alabama. It is one of four U.S. utilities operated by Southern Company (NYSE:SO) and one of the nation's largest producers of electricity. Learn more at www.alabamapower.com.



Fort Rucker, Alabama, home of the U.S. Army Aviation Center of Excellence.

