Redstone Arsenal Large-Scale Renewable Energy Solar Project

In April 2016, the Army issued a contract to SunPower Corporation for a large-scale renewable energy solar project at Redstone Arsenal, AL. The project is a collaborative effort between the Army Office of Energy Initiatives (OEI), Redstone Arsenal, and the Army Corps of Engineers, Huntsville.

This project is one of four large-scale renewable energy projects being developed on Army installations in Alabama. Other projects include a 25 megawatts (MW) Combined Heat and Power generation facility at Redstone Arsenal, as well as an approximate 10 MW, alternating current (AC)*, solar project at Fort Rucker and Anniston Army Depot.

Projects like this diversify and expand Redstone Arsenal's energy supply, thus building increased resiliency. Renewable energy, similar to this solar project, is necessary for both national security and the environment.

Project Details

- The project is expected to generate about 18,000 megawatt hours (MWh) per year, AC*, on-site solar renewable energy at Redstone Arsenal, AL
- This facility will generate enough energy to power about 1,650 homes for a year
- Redstone Arsenal has identified approximately 66 acres of land available for the project
- This project will involve a lease and a 27-year Renewable Energy Services Agreement (RESA) as authorized under 10 USC 2667 and 10 USC 2922a, respectively

** Alternating Current (AC) is provided to consumers. Inverters convert the direct current (DC) from solar panels to AC and losses occur during conversion.*

April 2016

- Redstone Arsenal will purchase the electricity produced by the project at costs equal to or less than current and projected utility rates
- This is the first large-scale project to utilize the Multiple Award Task Order Contract (MATOC) acquisition vehicle
- The renewable energy facility will generate fuel-free power on-site to support Redstone Arsenal and its tenants
- The project is expected to be operational by December 2016

About Redstone Arsenal

Redstone Arsenal is a United States Army garrison located in the Tennessee Valley in Madison County, Alabama. The installation has over 70 tenant organizations, including the U.S. Army Materiel Command, U.S. Army Aviation and Missile Command, Missile Defense Agency, U.S. Army Space and Missile Defense Command, and NASA Marshall Space Flight Center. The Arsenal has more than 38,000 acres of land, including over 25,000 acres of test areas, and supports 39,000 personnel. The Arsenal is a nationally recognized Department of Defense and Federal Center of Excellence focusing on materiel and logistics management, aviation and missile research, development and engineering, space operations, missile defense, intelligence and homeland defense.

U.S.ARMY
OFFICE OF ENERGY INITIATIVES U.S. ARMY
TEAM REDSTONE
US Army Corps of Engineers.

Redstone Arsenal, Alabama

About OEI

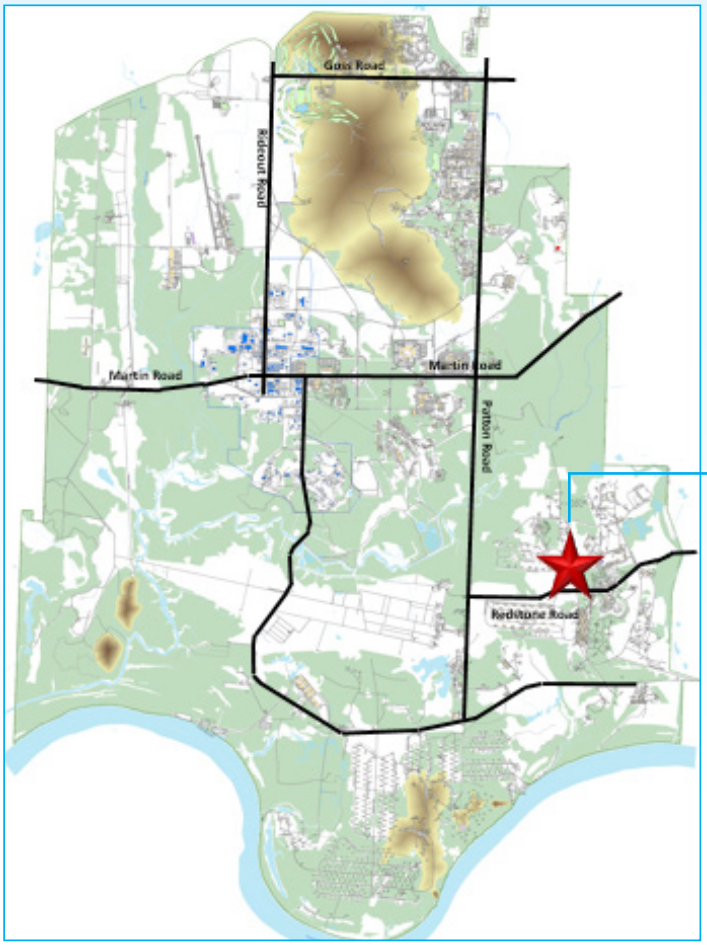
The OEI centrally manages, develops, and executes large-scale renewable energy projects, 10 MW or greater, by leveraging private financing. Renewable energy produced on Army installations increases energy security and resiliency, enhances mission effectiveness, and provides a means to stabilize energy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

About SunPower

SunPower Corporation designs and manufactures high-efficiency crystalline silicon photovoltaic cells, roof tiles and solar panels, based on a silicon all-back-contact solar cell invented at Stanford University. SunPower has led the way with record-setting technologies and innovative solar solutions. The company's cutting-edge approach to sustainability is renowned for its positive impact on the environment and our communities.

About U.S. Army Corps of Engineers, Huntsville

A major element of the U.S. Army Corps of Engineers, the U.S. Army Engineering and Support Center, Huntsville executes programs and specialized missions worldwide that require unique technical expertise, large acquisitions, and centralized program management. Huntsville Center has been involved in the Army's energy program since the early 1980s and provides unique energy solutions for third-party financing utilizing Energy Savings Performance Contracting, Utility Energy Services Contracting, and the Renewable Energy Services Agreement.



Redstone Arsenal, AL
Solar Project Location

April 2016