



# Redstone Arsenal Solar Project Task Order Under MATOC

## Proposed Project Details

- The Army has identified approximately 188 acres of land available for this project
- This project is expected to execute a Lease and a 25-year Power Purchase Agreement (PPA) authorized under 10 USC 2667 and 10 USC 2922a, respectively
- There will be no increase in electricity costs to Redstone Arsenal from this initiative

## About MATOC

The MATOC is an Indefinite Delivery Indefinite Quantity contract vehicle that established a pool of qualified firms/contractors for four renewable energy technologies (i.e., solar, wind, biomass, and geothermal) to compete for individual task order contracts.

Contracts will be for renewable energy projects located on or adjacent to U.S. military installations to procure reliable, locally-generated renewable and alternative energy utilizing PPAs or other contractual equivalents.

As renewable energy opportunities on Army installations are assessed and validated by the EITF (i.e., Redstone Arsenal), the U.S. Army Corps of Engineers, Huntsville, issues a competitive task order RFP to the pre-qualified bidders for the specific technologies. Task orders will specify the type and amount of energy to be supplied to the Army installation or other Federal user as well as other pertinent information for the developer to prepare a response that meets the Government's requirements.

The Army will only purchase power and will not own, operate, or maintain the generating assets that are built on federal land.

The MATOC's total ceiling value of \$7 billion refers to the total dollar value of energy purchased under all PPA task orders for their entire term (up to 30 years). The MATOC is available to all military departments for renewable energy projects located on military installations and other properties under the control of the Secretary of Defense within the U.S., its territories, and provinces.

The U.S. Army Energy Initiatives Task Force (EITF) continues to expand its large-scale renewable energy portfolio and is moving forward with a solar project at Redstone Arsenal, Alabama.

On July 29, 2014, the Army issued a Task Order/ Request for Proposals (RFP) under the Multiple Award Task Order Contracts (MATOC) whereby the Army offers to procure annually up to 18,000 megawatt-hours of on-site solar generated renewable electricity at Redstone Arsenal.

In coordination with the EITF, the U.S. Army Corps of Engineers, Engineering and Support Center, Huntsville, Alabama, is managing this renewable energy generation opportunity. The project is open to proposals from 49 solar companies qualified under the MATOC. A pre-proposal meeting (Industry Day) is being planned at Redstone Arsenal in August. The RFP is anticipated to close this fall and a Notice of Intent to Award (NOIA) is expected to be announced in early 2015. A groundbreaking at Redstone Arsenal is anticipated to take place in the summer of 2016.

This project, along with the GA 3x30, Fort Huachuca and several other EITF large-scale renewable energy projects will assist the Army in meeting its commitment to the President of deploying one gigawatt of renewable energy by 2025. The EITF continues to grow its renewable energy portfolio through partnering opportunities on Army installations, with other federal agencies, private industry and local utilities.

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*Direct current (DC) is the power generated by PV solar arrays while alternating current (AC) is the power consumed by the public. Inverters are used to convert the power generated in DC to AC power to be consumed. Losses happen during conversion.*



Awards under the MATOC are subject to the Davis Bacon and the Buy American Acts.

The EITF uses several acquisition approaches in addition to the MATOC to implement large-scale renewable energy projects.

## About EITF

Army EITF was established to centrally manage, develop and execute large-scale, renewable energy projects, 10 MW or greater, leveraging private financing. Renewable energy produced on Army installations increases energy security, enhances mission effectiveness and provides a means to temper rising energy costs. It also contributes to the flexibility of the electricity system and its resistance to power spikes. The EITF currently has 11 projects located at nine installations which are in the contract or acquisition process. These projects represent a potential capacity of over 265 MW of electricity.

## 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. Involved in the Army's energy program since the early 1980s, Huntsville Center provides unique energy solutions for third-party financing using the Energy Savings Performance Contracting, Utility Energy Services Contracting and the Power Purchase Agreement programs. The Power Purchase Agreement program works closely with the EITF on large-scale (10MW or greater) efforts and installations on 10MW or smaller programs. Huntsville Center provides additional energy-related support, including Energy Conservation Investment Program validation, Commercial Utility Program, Utility Monitoring and Control Systems, Resource Efficiency Managers, energy assessments, metering and energy planning.

## About Redstone Arsenal

- Redstone Arsenal is a United States Army post and garrison located adjacent to the city of Huntsville in Madison County, Alabama
- Redstone Arsenal has served for more than 50 years as the Army's center for missile and rocket programs
- Redstone Arsenal is made up of 38,125 acres of land, including 25,860 acres of test areas and 7,200 feet of runway
- Redstone employs a highly diverse and well-educated workforce including 19,500 civilians, and 15,000 contractors. 68% of these employees have a Bachelor's degree or higher

- The average power consumption at Redstone Arsenal is approximately 49 MW, with a peak load of 75 MW and a minimum load of 38 MW
- Redstone Arsenal is a nationally recognized Department of Defense and Federal Center of Excellence focusing on: Materiel Management, Research & Development Test and Engineering, Space Operations and Missile Defense and Intelligence and Homeland Defense
- Redstone has 55 Major Tenants Including: Army Materiel Command, Strategic Missile Defense Command, Missile Defense Agency, NASA (Marshall Space Flight Center) and Department of Justice (ATF and FBI)

## MATOC Solar Energy Awardees

<i>ABM Government Services, LLC, Hopkinsville, KY</i>	<i>Gehrlicher Solar America Corporation, Springfield, NJ</i>
<i>Acciona Energy North America Corporation, Chicago, IL</i>	<i>Indian Energy LLC, Newport Beach, CA</i>
<i>Ameresco, Inc., Framingham, MA</i>	<i>Infinity Development Partners, LLC, New Braunfels, TX</i>
<i>Apex Wind Energy Holdings, LLC, Charlottesville, VA</i>	<i>Johnson Controls Government Systems, Milwaukee, WI</i>
<i>Bay Electric Co., Inc., Newport News, VA</i>	<i>Legatus6 LLC, Chevy Chase, MD</i>
<i>BITH ENERGY, Inc., Baltimore, MD</i>	<i>Lend Lease, Nashville, TN</i>
<i>Borrego Solar, San Diego, CA</i>	<i>LTC Federal, LLC, Detroit, MI</i>
<i>Bright Light Federal LLC, Littleton, CO</i>	<i>New Generation Power, Chicago, IL</i>
<i>Chevron Energy Solutions Company, San Francisco, CA</i>	<i>NRG Energy, Inc., Princeton, NJ</i>
<i>Cobra Industrial Services, Inc., Houston, TX</i>	<i>Photon Finance, LLC - SunPower, Mountain View, CA</i>
<i>Constellation NewEnergy, Inc., Baltimore, MD</i>	<i>RE IndependenceCO LLC, San Francisco, CA</i>
<i>Distributed Sun, LLC, Washington, DC</i>	<i>Scatec Solar North America, Inc., Sausalito, CA</i>
<i>Dominion Energy, Inc., Richmond, VA</i>	<i>Siemens Government Technologies, Inc., Arlington, VA</i>
<i>Ecoplexus, San Francisco, CA</i>	<i>Silverado Power LLC, San Francisco, CA</i>
<i>EDF Renewable Energy, San Diego, CA</i>	<i>Solar Power Ventures, Arlington, VA</i>
<i>Element Power US, LLC, Portland, OR</i>	<i>Standard Solar, Inc., Rockville, MD</i>
<i>Emerald Infrastructure, San Antonio, TX</i>	<i>SunEdison Government Solutions, LLC, Beltsville, MD</i>
<i>Enel Green Power North America, Andover, MA</i>	<i>SunEdison LLC, Beltsville, MD</i>
<i>Energy Matters, LLC, Arlington, VA</i>	<i>SunLight General Capital LLC, New York, NY</i>
<i>Energy Ventures, LLC, Rockville, MD</i>	<i>Sunpower Corporation, Richmond, CA</i>
<i>Essex Construction, LLC, Upper Marlboro, MD</i>	<i>SunWize Technologies, Inc., San Jose, CA</i>
<i>First Solar Development, Inc., San Francisco, CA</i>	<i>Third Sun Solar, LLC, Athens, OH</i>
<i>FLS Energy, Asheville, NC</i>	<i>Washington Gas Energy Systems, Inc., McLean, VA</i>
<i>Foresight Renewable Solutions, LLC, San Francisco, CA</i>	<i>TransGen Energy, Inc., Rockville, MD</i>
	<i>Victory Renewables, LLC, Juno Beach, FL</i>

To continue the discussion and follow Redstone Arsenal Project updates on social media, please use #MATOC RFP and #HOOAHenergy.



**US Army Corps of Engineers.**