



NAVAL SUPPORT ACTIVITY MID-SOUTH SOLAR FACILITY

PROJECT OVERVIEW

The Department of the Navy (DON) and Silicon Ranch Corporation signed a real estate outgrant to develop a large-scale solar facility at Naval Support Activity (NSA) Mid-South in Millington, Tennessee.

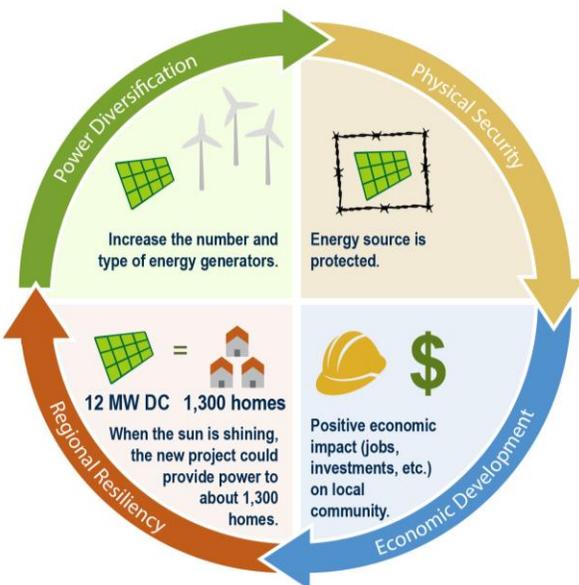
Silicon Ranch Corporation will build, own, operate and maintain the 12-megawatt (MW) direct current (DC) facility through a long-term power purchase agreement with Tennessee Valley Authority (TVA). The facility will produce power for TVA customers, including NSA Mid-South, at cost-competitive rates.

This solar facility is part of a greater project to be developed adjacent to the installation, bringing total facility capacity to 68.5 MW DC—Tennessee’s largest. Construction will begin mid-year 2017 and produce energy by mid-year 2018.

This project contributes to the DON’s one gigawatt initiative to enhance energy security and resiliency. In exchange for the land, the DON will also receive in-kind consideration in the form of electrical infrastructure upgrades.

BY THE NUMBERS

- 12 MW DC (or 9 MW alternating current) solar generation capacity
- 72 acres
- 37-year real estate outgrant agreement
- Approximately 103,000 ground-mounted photovoltaic solar panels
- The project will not have a significant effect on the environment as determined by the Categorical Exclusion Documentation



On-base Generation for Off-base Consumption



EXTERNAL GRID

MODEL 2

ABOUT DON’S RENEWABLE ENERGY PROGRAM OFFICE

The Secretary of the Navy established the Renewable Energy Program Office (REPO) in May 2014 to help the DON bring one gigawatt of renewable energy into procurement by the end of 2015. REPO surpassed this goal and is continuing to collaborate with industry to develop mutually beneficial energy resources. Exploring the next level of energy technology advances such as battery storage, electrification, fuel cells and microgrids will further enhance the DON’s energy security, operational capability, strategic flexibility and resource availability.



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ABOUT NAVAL SUPPORT ACTIVITY MID-SOUTH

NSA Mid-South, located in Millington, Tennessee, just north of Memphis, serves as the Navy's Human Resources Center of Excellence. Headquartered onboard NSA Mid-South are Navy Personnel Command, Navy Recruiting Command, the Navy Manpower Analysis Center, as well as the U.S. Army Corps of Engineers Finance Center. More than 7,500 military, civilian, and contract personnel are assigned/work on base.

ABOUT SILICON RANCH CORPORATION

Silicon Ranch Corporation is based in Nashville, Tennessee and is the largest developer, owner, and operator of solar facilities based in the TVA service area. Silicon Ranch develops, designs, constructs, finances, owns and operates solar photovoltaic projects to maximize both the economic and environmental benefits for its partners across the United States. Silicon Ranch has built over 2.5 gigawatts of conventional and renewable generation assets, including the first large-scale solar projects in Tennessee, Georgia, Arkansas and Mississippi.

PROJECT SITE MAP



ABOUT TENNESSEE VALLEY AUTHORITY

The Tennessee Valley Authority is a corporate agency of the United States that provides electricity for business customers and local power distributors serving 9 million people in parts of seven southeastern states. TVA receives no taxpayer funding, deriving virtually all of its revenues from sales of electricity. In addition to operating and investing its revenues in its electric system, TVA provides flood control, navigation and land management for the Tennessee River system and assists local power companies and state and local governments with economic development and job creation.