



NAVAL AIR STATION OCEANA SOLAR FACILITY

PROJECT OVERVIEW

The Department of the Navy (DON) and Dominion Virginia Power (DVP) executed a real estate outgrant to lease 93 acres of DON land for DVP to construct a solar facility at Naval Air Station (NAS) Oceana.

DVP will build, own, operate and maintain the 21 megawatt (MW) direct current (DC) facility solar facility. The facility is expected to be completed and online by late 2017.

Since the facility will be located on Navy property, the facility 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.

Below is a representative photo of what the ground-mounted solar photovoltaic arrays will look like. Roughly 179,000 panels will be installed at the solar facility at NAS Oceana, which could power the equivalent of 4,400 homes.



BY THE NUMBERS

- Approximately 93 acres of land have been identified as a potential development site.
- The project will not have a significant effect on the environment as determined by the Finding of No Significant Impact (FONSI).
- Lease signing ceremony is planned for August 2016.
- Expected project completion by late 2017.
- Classified as a REPO Model 2, this project will generate energy on site at NAS Oceana.

On-base Generation for Off-base Consumption



EXTERNAL GRID

MODEL 2

ABOUT THE NAVY'S ONE GW INITIATIVE

The Secretary of the Navy established the Renewable Energy Program Office (REPO) in May 2014 to help the DON bring one gigawatt (GW) of renewable energy into procurement by the end of 2015.

Renewable energy generation will improve the DON's energy security, operational capability, strategic flexibility and resource availability.

Projects aim to:

1. Be cost-effective, mission-compatible and leverage third-party financing,
2. Stabilize long-term operational costs and
3. Be complemented by smart microgrid technology and utility infrastructure upgrades.



