



NAVAL BASE VENTURA COUNTY SOLAR + BATTERY STORAGE PROJECT

PROJECT OVERVIEW

The Department of the Navy (DON) and UniEnergy Technologies (UET) are working together to develop a 6 megawatt (MW) direct current (DC) solar photovoltaic (PV) facility combined with a 4.5 MW /18 MWh (DC) battery storage system at Naval Base (NB) Ventura County.

Using UET's advanced vanadium flow batteries, this project will provide long-term energy resiliency (including backup power) for NB Ventura County critical facilities during grid outages, and renewable power and resiliency to the regional grid at other times.

UET with its partners will build, own, operate and maintain the 6 MW (DC) solar facility and 4.5 MW /18 MWh (DC) battery system, which will produce power for all its customers, including NB Ventura County.

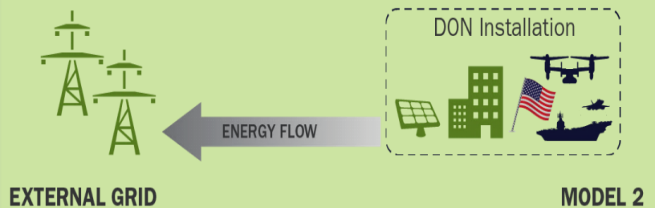
This project will not have a significant effect on the environment as determined by the Finding of No Significant Impact (FONSI), and will enable the DON to meet critical renewable energy and security goals.

Adding cost-effective renewable energy provides fuel diversity, increased operational capacity, and regional resiliency.



PROJECT HIGHLIGHTS

- 44 acres of land
- 6 MW DC solar facility with 4.5 MW / 18 MWh DC battery storage
- UET's advanced vanadium flow batteries utilize core technology developed at Pacific Northwest National Laboratory with funding from U.S. DOE Office of Electricity
- Project will provide renewable power and resiliency to the regional grid and during grid outages, switch to support NB Ventura County including long-term backup power to critical facilities
- Expected project completion by late 2017
- REPO Model 2 project will generate renewable energy on site at NB Ventura that will flow to the external grid for community consumption



EXTERNAL GRID

MODEL 2

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
3. Be complemented by smart microgrid technology and utility infrastructure upgrades



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ABOUT NAVAL BASE VENTURA COUNTY

Naval Base (NB) Ventura County is a premier naval installation composed of three operating facilities - Point Mugu, Port Hueneme and San Nicolas Island. NB Ventura County supports approximately 80 tenant commands with a base population of more than 19,000 personnel. Tenant commands encompass an extremely diverse set of specialties that support both Fleet and Fighter, including three warfare centers: Naval Air Warfare Center Weapons Division, Naval Surface Warfare Center Port Hueneme Division and Naval Facilities Engineering and Expeditionary Warfare Center. NB Ventura County is also home to deployable units, including the Pacific Seabees and the West Coast E-2C Hawkeyes.

ABOUT UNIENERGY TECHNOLOGIES

UniEnergy Technologies (UET) provides turn-key, megawatt-scale energy storage solutions that deliver the full range of power and energy applications for military, utility, independent power producer, microgrid, and commercial and industrial customers. UET has systems totaling over 20 megawatt (MW) / 80 megawatt-hours (MWh) deployed, ordered, or awarded in WA, CA, NY, HI, TN, Germany, and Italy. Founded in 2012, UET has grown from a start-up company commercializing technology initially developed at Pacific Northwest National Laboratory with funding from the U.S. Department of Energy's Office of Electricity, to a global company leading in the deployment of MW-scale containerized flow battery systems. UET's customers consistently cite the value of fade-free performance, unrestricted duty cycle, and 20-year life as key reasons for selecting UET systems.

PROJECT SITE MAP



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