

# MARINE CORPS BASE CAMP LEJEUNE SOLAR PROJECT

## PROJECT OVERVIEW

The Department of the Navy (DON) and Duke Energy Progress are working together to develop a solar facility on Marine Corps Base (MCB) Camp Lejeune. The photovoltaic (PV) array will be capable of producing 17 megawatts (MW) of direct current (DC) or 13 MW of alternating current (AC) energy.\*

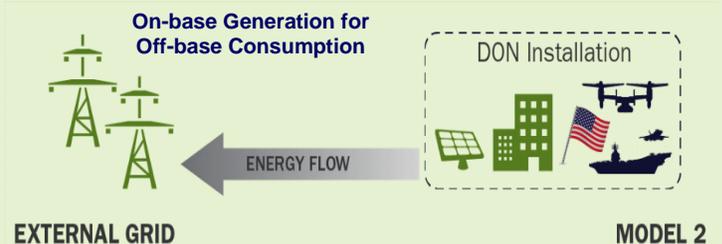
The project will increase energy security and help DON reach the Secretary of the Navy's (SECNAV's) goal to bring one gigawatt of renewable energy into procurement by the end of 2015. Furthermore, it will help Duke Energy Progress comply with the North Carolina Renewable Energy and Energy Efficiency Portfolio Standard.



Familiar with solar, MCB Camp Lejeune used four panels to power the inside of the command and control tent used to give the Incidental Radio Operator Course. Photo by Pfc. Justin A. Rodriguez/released.

## PROJECT HIGHLIGHTS

- Approximately 100 acres 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).
- Groundbreaking is planned for July 2015.
- Expected project completion is December 2015.
- Classified as a REPO model 2, this project will generate energy on site at Camp Lejeune and flow to the external grid for community consumption.



## ABOUT REPO

REPO is the central management office for identifying and developing large-scale renewable energy projects, 10 MW or greater, within DON. Renewable energy generation will not only meet SECNAV goals, but improve DON 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.

\*Solar panels produce DC energy, which is converted to AC for grid consumption.



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## ABOUT MCB CAMP LEJEUNE

Home of the Expeditionary Forces in Readiness since 1941, Camp Lejeune encompasses 156,000 acres in Onslow County, N.C. The base and surrounding community is comprised of an active duty, dependent, retiree and civilian employee population of approximately 160,000 people. Camp Lejeune generates almost \$3 billion in commerce each year, coming from payrolls and contracts to support the structure required to train and equip our modern Marines.

## ABOUT DUKE ENERGY PROGRESS

Duke Energy Progress uses a diverse fuel mix to meet the energy needs of its customers that includes nuclear, coal-fired, natural gas, solar, and hydroelectric generation. That diverse fuel mix provides about 12,000 MW of owned electric capacity to approximately 1.5 million customers in North and South Carolina.

Its parent company, Duke Energy, is the largest electric power holding company in the United States, with approximately \$115 billion in total assets. Duke Energy's regulated utility operation serves approximately 7.2 million electric customers located in six states in the Southeast and Midwest.

## PROPOSED PROJECT SITE

