



# OFF-SITE SOLAR PURCHASE FOR NAVAL STATION NORFOLK

## PROJECT OVERVIEW

In 2015, Dominion Virginia Power (DVP), doing business as, Virginia Electric & Power Company, released a request for proposal for a renewable energy facility to support Naval Station (NS) Norfolk's energy needs.

DVP selected Invenergy Solar Development to construct a 25 megawatt (MW) direct current (DC) solar facility near the base in Pasquotank County, North Carolina. The Department of the Navy (DON) signed a contract to purchase all of the power, equivalent to six percent of NS Norfolk's energy load.

For the DON, this agreement will help diversify NS Norfolk's power portfolio, increasing energy security as well as provide long-term cost stability by guaranteeing a fixed price for the term. The DON projects savings of at least \$400 k over a 20-year term.

The 110-acre facility was brought online in December 2015. DVP will own, operate, and maintain the facility, consisting of 81,054 solar panels.

## BY THE NUMBERS

- 25 MW DC solar generation capacity.
- 10-year power purchase agreement term, with 10 year option for extension.
- DON projects \$400 k savings over a 20 year term.
- DVP has been providing energy to NS Norfolk since December 2015.
- 81,054 ground-mounted photovoltaic fixed-tilt panels.
- 110 acres.

### Off-base Generation for On-base Consumption



EXTERNAL GRID

MODEL 1

## 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.



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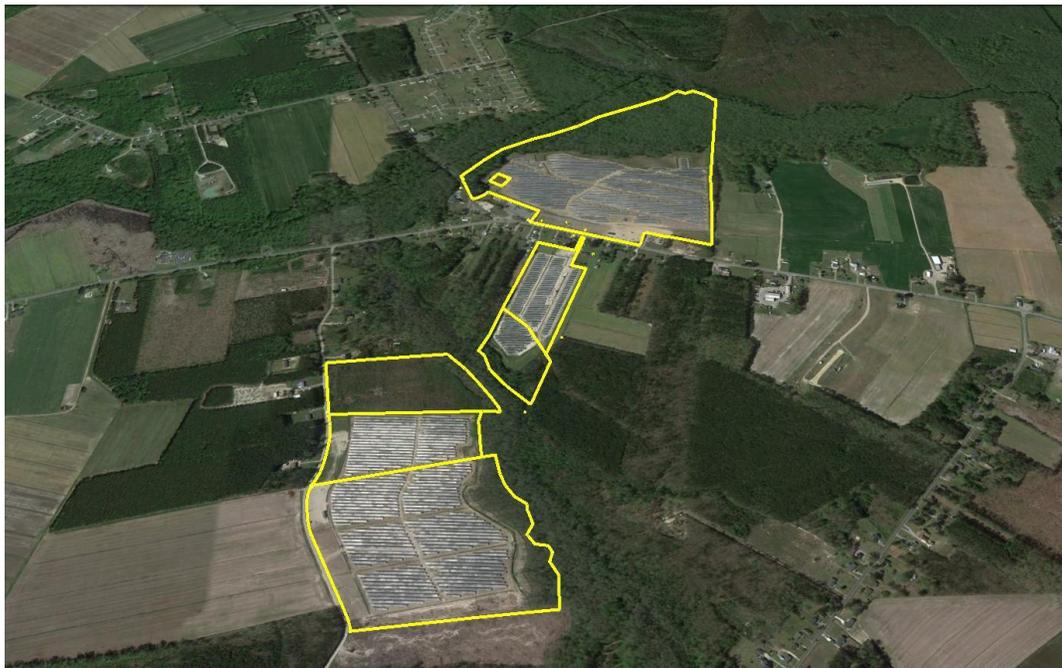
## ABOUT NS NORFOLK

Naval Station Norfolk supports the operational readiness of the US Atlantic Fleet, providing facilities and services to enable mission accomplishment. Located in the southeastern corner of the Commonwealth of Virginia in an area referred to as "Hampton Roads," with a population over one million people. The base spans 6,200 acres and employs more than 67,000 people. Today, in addition to being the home for the Navy's largest concentration of naval forces, Naval Station Norfolk also hosts personnel from the Marine Corps, Army, Air Force, and Coast Guard, and supports significant Joint missions as well.

## ABOUT DOMINION

Dominion Virginia Power is a subsidiary of Dominion, one of the nation's largest producers and transporters of energy. Dominion provides energy or products and services to more than 5 million customers in 14 states. It has a portfolio of approximately 25,700 megawatts of generation, including more than 1,100 megawatts of renewable generation, and 6,500 miles of electric transmission lines. Dominion also operates one of the nation's largest natural gas storage systems with 933 billion cubic feet of storage capacity. For more information about Dominion, visit the company's website at [www.dom.com](http://www.dom.com).

## MORGANS CORNER SITE MAP



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