



Finding new ways to conserve water and energy are a top priority at Naval Base Ventura County (NBVC)

Since 2007, NBVC has reduced its water usage by 37.5 percent, exceeding its goal of a 16 percent reduction by the end of 2015. Low-flow toilets, one-pint urinals and automated moisture-sensing irrigation systems contributed to a large part of that savings.

The base continues to make progress on becoming more energy-efficient. NBVC has reduced its energy usage by 48 percent since 1985, saving the equivalent of 65,000 barrels of oil per year. To meet its goals, NBVC needs to reduce energy by another 30 percent by 2015, and it has already reached the 15 percent mark.

In 2010, the base replaced 1,178 streetlights, parking lot lights and exterior lights on bachelor quarters with energy-efficient LED (light-emitting diode) fixtures. The project is expected to reduce the base's energy consumption by 440,000 kilowatt hours per year, cutting the base's annual utility bill by \$57,500.

The base has eagerly embraced solar power. Solar panels were introduced 10 years ago, and since then, increasingly complex solar photovoltaic systems have been installed on six buildings at Port Hueneme. Altogether, renewable solar projects expect to save the base a whopping \$256,100 in energy costs per year. This equates to just over 4,000 megawatt

hours, which is the amount of energy required to power 450 average U.S. homes annually.



Energy-saving lights were recently installed at Building 1100, Naval Base Ventura County, Port Hueneme.

Solar hot-water heating systems are being installed at both the Port Hueneme and Point Mugu pools. When completed, these projects are expected to save 7,079 MBTUs of natural gas for pool heating, resulting in an annual savings of \$64,410.

NBVC is home to the first naval facility to earn the prestigious U.S. Green Building Council's Silver Certification, under the council's Leadership in Energy and Environmental Design Existing Buildings (LEED-EB) program. Building 1100, the Naval Facilities Engineering Service Center, uses less energy on a square footage basis than 95 percent of office buildings. It is also equipped with low-mercury lighting, dual-flush toilets and one-pint urinal.

Naval Base Ventura County – for more information call (805) 989-9234