



Replacement Lights Shine Brighter and Use 80% Less Energy

and saving money for the fleet and American taxpayers.”

The Navy’s Energy Conservation Technology Validation (TECHVAL) program installed more than 50 energy-saving, work station specific lights at Building 1100 aboard Naval Base Ventura County (NBVC). Port Hueneme.

The pendant lights, deployed within the NAVFAC Engineering Service Center’s headquarters building, consist of a single “up” and two “down” T5 fluorescent tubes. The lights can be easily controlled by the cubicle occupant and offer far greater illumination while using less energy.



50 energy-saving lights were recently installed at Building 1100, NBVC

This new lighting system shows great promise and has undergone rigorous testing through our TECHVAL program,” said Capt. Paz B. Gomez, Naval Facilities Engineering Service Center commanding officer. “The lights burn with a higher color temperature and appear brighter to the human eye. This enables us to dim them to reduced levels, using less energy

The up lights are controlled by the facility and can be dimmed and turned on and off with a time clock. The down lights are controlled by the individual cubicle occupant, who uses a hand-held remote control to meet their comfort level, or turn the lights off entirely. Each light fixture is equipped with an occupancy sensor that turns off the two down lights when no one is in the cubicle.

Lights in proximity to building windows will include daylight sensors that will automatically dim the up lights during daylight hours, saving energy when not in use.

The lights replaced are four banks of lights on two circuits, governed by a time clock to come on daily at 6 a.m., switching off at 6 p.m. Each of the four individual banks could be turned on for 30 minutes at a time. During normal work hours, all lights would be turned on, even though informal surveys showed that, at any time in the regular workday, only one-third of the cubicles would be occupied. In addition, employees working during off hours would find, at a minimum, a quarter of the lights activated. The new lights will eliminate much of that wasted energy.

Previous installations of these types of lights have registered energy reductions of up to 80 percent in similar environments.

[Naval Base Ventura County](http://www.navy.mil) – for more information call (805) 989-9234