Federal Energy and Water Management AWARDS

2013

(background) Naval Sea Systems Command, NSWC Carderock Division, West Bethesda MD

(top) Naval Sea Systems Command, NSWC Carderock Division, 184-kW Photovoltaic Array atop David Taylor Model Basin, West Bethesda, MD

Naval Sea Systems Command
Naval Surface Warfare Center Carderock Division
Department of the Navy
Philadelphia, Pennsylvania

In FY 2012, Naval Surface Warfare Center Carderock Division (NSWCCD) implemented more than $20 million in projects across its facilities at nine sites, resulting in $4.3 million in annual cost avoidance. Projects executed during FY 2012 include two military construction (MILCON) energy enhancement projects, repairs to major heating and cooling systems, steam decentralization, and building envelope repairs.

The MILCON projects included construction of a Leadership in Energy and Environmental Design (LEED) Gold-certified facility in West Bethesda, Maryland, equipped with a 21-kilowatt photovoltaic array, solar domestic hot water, and a vegetative roof. A high-pressure natural gas infrastructure was provided for the newly constructed Electric Drive Test Site, which reduces both costs and greenhouse gas emissions over the petroleum fuel alternative.

On track to meet mandated goals, NSWCCD reduced its energy intensity as of FY2012 by more than 22 percent, saving 97 billion Btu over the FY 2003 baseline.