



MCLB BARSTOW WINS SECDEF ENVIRONMENTAL AWARD FOR SUSTAINABILITY, INDUSTRIAL INSTALLATION

The Department of Defense announced the winners of the 2018 Secretary of Defense Environmental Awards on 19 April 2018. Among the winners was Marine Corps Logistics Base (MCLB) Barstow in the Sustainability, Industrial Installation category.

The announcement read, "The Department has honored individuals, teams, and installations each year since 1962 for their remarkable achievements in innovative and cost-effective environmental management strategies that successfully support mission readiness. The... 2018 winners continue this distinguished tradition.

The 2018 Secretary of Defense Environmental Awards cycle encompasses an achievement period from October 1, 2015 through September 30, 2017 (Fiscal Year (FY) 2016-2017). A diverse panel of 63 judges with relevant expertise representing Federal and state agencies, academia, and the private sector evaluated all nominees to select one winner for each of the nine categories that cover six subject areas: natural resources conservation, environmental quality, sustainability, environmental restoration, cultural resources management, and environmental excellence in weapon system acquisition.

The Sustainability, Industrial Installation award recognizes efforts by industrial installations to prevent or eliminate pollution at the source, including practices that increase efficiency and sustainability in the use of raw materials, energy, water, or other resources. The sustainability award also recognizes energy efficiency and renewable energy practices, greenhouse gas reduction efforts, procurement of sustainable goods and services, waste diversion, and efforts to plan for adaptation and resilience. Sustainable practices ensure that DoD protects valuable resources that are critical to mission success.

Below is a list of MCLB Barstow's environmental accomplishments:

MCLB Barstow implemented a new irrigation plan to reduce water consumption through xeriscaping and/or natural landscaping while maintaining essential vegetation. This reduced water consumption by 50% from the 2007 baseline exceeding reduction goals. The base achieved a 7% reduction in electricity consumption and a 20% reduction in water consumption between FY 2015 and FY 2016, and Barstow achieved an additional 5.8% reduction in water consumption from FY 2016 to FY 2017.

- The base reduced its potable water usage from 138 million gallons in FY 2015 to 102 million gallons in FY 2017, resulting in a 26% potable water usage reduction.



- MCLB Barstow established an agreement to partner with the City of Barstow on routine water sampling analyses. This is the first Marine Corps partnering agreement of this nature with an outside government agency. With this new agreement, the base will save \$30,000 in laboratory fees annually.
- Barstow developed a project to install recycled asphalt pavement (RAP) to by-pass the water used for dust mitigation. This initiative will reduce water consumption by an additional 2,254 gallons per year.
- The base engaged the Installation Commands and Tenants organizations into a new reporting mechanism to support environmental compliance, conformance, and initiatives. This new reporting mechanism gives environmental ownership to both Installation Commands (including Tenant organizations) and their Environmental Compliance Coordinators.
- MCLB Barstow created a site-specific data system that will help organizations track their environmental training requirements. As a result, improvements to meet environmental training requirements have increased by 50% in some areas.
- The base made energy improvements for Building Automation Systems/Energy Management Control Systems; added heating, ventilation, and air conditioning controls for seven buildings; installed 2,221 light emitting diode fixtures; enhanced compressed air systems; and installed a 1.5 megawatt ground mounted photovoltaic array, which is projected to save the installation \$880,000 annually.