

Federal Energy and Water Management AWARDS

2014

Top Left: DMAFB Utility Manager, TSGt Gus Gonzales and Resource Efficiency Manager, Rick Whitaker, discuss energy projects.

Bottom Left: DMAFB Energy Manager Greg Noble schools young engineers on solar power.

Right: Angela Flores, Installation Management Flight Chief and Greg Noble, Base Energy Manager give two thumbs up for Davis-Monthan's Energy Action Month.



Davis-Monthan Air Force Base U.S. Air Force Davis-Monthan Air Force Base, Arizona

Davis-Monthan Air Force Base's Energy Team worked with local utilities, military construction design teams, other Air Force agencies, and the Department of Energy to implement projects and programs that saved 11.6 billion Btu and \$235,000 in FY 2013 from the prior year.

Central plant base cooling projects included installation of energy efficient chillers in a new central plant with a chilled water distribution loop and a plate and frame heat exchanger to cool both new and older facilities. The team also completed a four-phase project that upgraded all large facility boilers base-wide. A second base-wide project changed out 675 high-pressure

sodium lighting fixtures to T-5HO fluorescent lights. The installation of 580 light-emitting diode taxiway lights will result in a one-year payback and significant maintenance savings. Retro-commissioning was completed on more than 200,000 square feet during FY 2013, including two high security facilities.

All newly constructed buildings on the base are designed to Leadership in Energy and Environmental Design Silver standards or better. The team works with the local utility to receive the maximum return of rebate surcharges, with more than \$50,000 received to date and a forecasted total of more than \$160,000 through 2015.