



NEWS RELEASE FROM NAVFAC SOUTHWEST

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Commandant of the Marine Corps Breaks Ground for Large Scale Wind Turbine at Marine Corps Logistics Base Barstow

First Large Scale Wind Turbine at a Marine Corps Facility Will Save Base \$515,000 in Annual Energy Cost

By Lee H. Saunders

SAN DIEGO – Commandant of the Marine Corps (CMC) Gen. James T. Conway led the groundbreaking ceremony July 10 for the Marine Corps' first large scale wind turbine project at Marine Corps Logistics Base (MCLB) Barstow in the Mojave Desert in Southern California.

The official party included CMC, Commanding General Marine Corps Installations West Maj. Gen. Lehnert, MCLB Barstow Commanding Officer Col. Kenneth Enzor, NAVFAC Southwest Executive Officer Capt. Robert Fahey, Southern California Edison (SCE) Vice President Business Customer Division Lisa Cagnolatti, SCE Director Government and Institutions Steve Sullivan, SCE Utilities and Savings Contract (UESC) Program Manager Phillip Consiglio, ACCO Engineered Systems Vice President Doug Lemons, Brownco Construction President Scott Brown, and AAER Wind Energy, Inc. President and CEO Dave Gagnon.

Naval Facilities Engineering Command (NAVFAC) Southwest Energy Team of contract specialist Monica Hernandez and senior program leader Phu Vu awarded the 1,500 kilowatt (kw) wind turbine project for the first large scale wind turbine ever procured for a Marine Corps installation in November 2007. The large scale wind turbine project is one of many renewable energy projects NAVFAC Southwest in San Diego manages for the Department of Navy.

"I am proud to be involved in this landmark project to deliver this first wind generator to the Marine Corps helping make the Mean Green Fighting Machine become just a little bit greener," said Gary Simon, NAVFAC Southwest Renewable Energy project construction manager for the wind turbine project.

Southern California Edison is the primary contractor to provide financing, design, and construction services to install the wind turbine power generation system at the Nebo facility on MCLB Barstow. The total estimated value of the contract is \$6.1 million and capitalizes on a \$1.5 million rebate from California's current Self Generation Incentive Program making the net cost to the Marines \$4.6 million.

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Naval Facilities Engineering Command: www.navfac.navy.mil

ACCO Engineered Systems of Glendale, Calif., Brownco Construction of Anaheim, Calif., and AAER of Bromont, Quebec, Canada are subcontractors for the project. ACCO Engineered Systems will perform the design work. Brownco Construction will build the foundation and 200 foot tower to place the wind generator. AAER will build the wind turbine generator and perform all maintenance for the first five years.

“This is a great project in a great site, a monument to the “Green Power” of the Marine Corps overlooking all of MCLB Barstow,” said Simon.

The wind turbine will generate an average of more than 3,000 mega watt hours (mwh) of renewable power each year for the base’s consumption in lieu of brown power. The base will save annually about \$515,000 based on the current energy rate bill the base pays for brown power. Brown power is the electricity provided to the base by a local utility company from nonrenewable sources.

“The project pays for itself in approximately eight years and will continue to generate power for more than 20 years,” said Simon.

The project is scheduled for completion in November 2008.

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Innovation, Leadership, Performance. The Naval Facilities Engineering Command (NAVFAC) manages the planning, design, construction, contingency engineering, real estate, environmental and public works support for U. S. Navy shore facilities around the world. We provide the Navy’s forces with the operating, expeditionary, support and training bases they need. NAVFAC is a global organization with an annual volume of business in excess of \$10 billion. As a major Navy Systems Command and an integral member of the Navy and Marine Corps team, NAVFAC delivers timely and effective facilities engineering solutions worldwide.

(U.S. Navy photo by Larry Nuzum)

VIRIN 080710-N-3436-029.JPG SAN DIEGO (JULY 10, 2008) - Commandant of the Marine Corps (CMC) Gen. James T. Conway talks to members of the official ground breaking party and members of NAVFAC Southwest prior to the Ground breaking ceremony at Marine Corps Logistics Base Barstow located in the Mojave Desert of Southern California. (Left to Right) AAER Wind Energy President & CEO Dave Gagnon, ACCO Engineered Systems Vice President Doug Lemons, Southern California Edison UESC Program Manager Phil Consiglio, Southern California Edison Director Government & Institutions Steve Sullivan, Southern California Edison Vice President, Business Customer Division Lisa Cagnolatti, NAVFAC Southwest Executive Officer CAPT Robert Fahey, USMC CMC Gen James T. Conway, and NAVFAC Southwest Wind Turbine Construction Manager Gary Simon.

(U.S. Navy photo by Larry Nuzum)

VIRIN 080710-N-3436-050.JPG SAN DIEGO (JULY 10, 2008) - Commandant of the Marine Corps Gen. James T. Conway broke ground for large scale wind turbine at Marine Corps Logistics Base Barstow with members of the NAVFAC Southwest Energy Team. (Front left to right) Southern California Edison Utilities and Savings Contract (UESC) Program Manager Phil Consiglio, Southern California Edison Director Government & Institutions Steve Sullivan, Southern California Edison Vice President Business Customer Division Lisa Cagnolatti, Marine Corps Logistics Base Barstow Commanding Officer Col. Kenneth Enzor, Commandant of the Marine Corps Gen. James T. Conway, Marine Corps Installations West Commanding General Maj. Gen. Lehnert, NAVFAC Southwest Executive Officer Capt. Robert Fahey, Brownco Construction President and CEO Scott Brown, ACCO Engineered Systems Vice President Doug Lemons, and AAER Wind Energy President and CEO Dave Gagnon.

GROUNDBREAKING FOR MCLB BARSTOW WIND TURBINE 2-2-2

(Behind left to right) NAVFAC Southwest Supervisory Engineer Suk Lee, NAVFAC Southwest Contract Officer Monica Hernandez, unidentified person, MCLB Barstow Public Works GIS Specialist Rick Wiley, Southern California Edison Navy Account Manager Phill LeGrand, MCLB Barstow Public Works Energy Manager Jack Whittle, MCLB Barstow Deputy Public Works Officer Joseph Lloren, NAVFAC Southwest Wind Turbine Project Manager Phu Vu, NAVFAC Southwest Resident Officer In Charge of Construction LCDR Todd Rutherford, MCLB Barstow Installation & Logistics Director Thomas Hunt, Southern California Edison Wind Turbine Project Manager Mark Shvartzman, AAER Wind Energy Vice President Sales and Business Development Daniel Charette, NAVFAC Southwest Wind Turbine Construction Manager Gary Simon.