

Creating an Energy Culture at the Presidio of Monterey

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With Mr. Jay Tulley

Energy Manager for Directorate of Public Works
at the US Army Garrison Presidio of Monterey



Mr. Jay Tulley

Abstract:

Over the past 8 years, Mr. Tulley has led the Presidio of Monterey's Energy Program to an Energy Use Intensity (EUI) reduction of 38% (85 kBTU/SF to 53 kBTU/SF) and total energy consumption reduction of 32% (176,214 MMBTU to 120,304 MMBTU), despite increases in square footage and population.

The Presidio program has relied on technical solutions and human behavior to achieve the savings. This lecture will focus on how design influences the interactions between these two methods. Further, we will look at how design has led to a culture at the Presidio that provides real savings at low cost. Since human beings occupy the buildings, an energy program cannot rely solely on technological solutions. Presidio's service-members typically arrive directly out of basic training and inhabit the Presidio for an average of 18 months. Since, for many, this is their first real military home, there is an opportunity to imbue an energy culture baseline on expectations that can carry over to the rest of their career. Tulley will focus on how "affordances" require that facilities staff allow the energy culture to thrive by creating a physical environment that encourages energy and water conservation.

Biography:

Mr. Jay Tulley graduated from the University of Florida in 1999 with a degree in Materials Science Engineering and commissioned as a Naval Officer in the Civil Engineer Corps. In 2005, after assignments in Public Works at the Naval Support Activity Monterey Bay, and in Construction Management with the Resident Office in Charge of Construction (ROICC) at Aviano Air Force Base in Northern Italy, he returned to Monterey as a civilian. Here he worked on construction projects managing residential, health-care, and commercial projects in the private sector. In 2010, Tulley became the Energy Manager for the Directorate of Public Works at the US Army Garrison Presidio of Monterey. In this role, he has overseen the energy and water programs, with cost savings at the Presidio of over \$2.5 million and energy reductions of 37%. Based on this success and specific initiatives in retro-commissioning and targeted energy conservation at their barracks, the Presidio of Monterey Energy Team was a recipient of the Secretary of the Army Energy Award in 2013 and 2014.

