**DESCRIPTION:**
Sweetwater High School Expansion is a 23,000 SF 2-story concrete masonry building that will include 15 classrooms, two science labs, three special education classrooms, and three learning resource centers. In addition to participating in the Energy Star Challenge, the project was also designed to be a CHPS (The Collaborative for High Performance School) certified school, despite its limited budget. The success of the project is partially due to a design that utilizes the ‘gifts of the site’. Located 1.5 miles from the Pacific Ocean on the existing Sweetwater High School campus, operable windows take advantage of the ocean breezes and reduce the need for HVAC, while proper building orientation and an efficient building envelope maximize natural daylight while reducing solar heat gain.

**ENERGY STAR Challenge Criteria:**
- Energy Use Intensity (EUI) = 93.2 kBtu / SF / yr
- Percent CO2 reduction = 18%
- ENERGY STAR design rating = 75

**Savings Statistics (compared to an average building EPA rating of 50)**
- Energy savings = 479,192 kBtu
- CO2 savings = 57,700 lbs CO2