



The Board of Governors of the California Community Colleges

PRESENTED TO THE BOARD OF GOVERNORS

DATE: May 6-7, 2013

SUBJECT: 2013 Board of Governors Energy and Sustainability Awards		Item Number: 5.2	
		Attachment: No	
CATEGORY:	Executive	TYPE OF BOARD CONSIDERATION:	
Recommended By:	 Brice W. Harris, Chancellor	Consent/Routine	
		First Reading	
Approved for Consideration:	 Brice W. Harris, Chancellor	Action	
		Information	X

ISSUE: This item announces the Board of Governors Energy and Sustainability Award recipients for 2013, which recognizes outstanding community college achievements in Energy and Sustainability.

BACKGROUND: The objective of the Board of Governors Energy and Sustainability Award Program is to highlight and reward exemplary energy and sustainability efforts by college districts. Three awards are presented on an annual basis in order to promote the ongoing efforts of community colleges on the path toward sustainability, and to maximize visibility and ensure high-level recognition of the recipients. An additional honorable mention award in each category will also be presented at the California Higher Education Sustainability Conference held at the University of California, Santa Barbara June 24-26.

The awards are granted in the following three categories:

- Excellence in Energy and Sustainability - District Leadership
- Excellence in Energy and Sustainability - Facilities & Operation
- Excellence in Energy and Sustainability - Faculty/Student Initiatives

A Call for Nominations in each of the three categories was released to all districts on February 15, 2013. A total of 50 nominations were reviewed by an evaluation committee consisting of members from districts and the Investor Owned Utilities, who then submitted their recommendations of the top award candidates to the Board President.

RECOMMENDED ACTION: The Board of Governors recognizes the recipients of the 2013 Board of Governors Energy and Sustainability Awards.

The 2013 Award Winners

DISTRICT LEADERSHIP: Victor Valley Community College District

The district leadership made a resource and financial commitment in 2010 to create a comprehensive sustainability program to reduce its dependency on utilities and reduce future expenditures.

Sustainability projects included a one-megawatt solar array on the main campus, a 250 kilowatt solar parking lot system at the new Public Safety Training Center, and two new 200 kilowatt systems at the main campus. The district also completed a campus sustainable landscaping project in December 2011 by removing 21,000 square feet of turf and replacing it with drought-tolerant landscaping that will save an estimated 865,634 gallons of water per year.

Also in 2011, the district entered into an agreement with Compass Energy Solutions to complete a series of energy efficiency upgrades to the main campus. These upgrades were completed under Government Code 4217, allowing the district to use an energy service provider to complete the work. These projects consist of replacing old, inefficient outdoor lighting fixtures with new energy-efficient lighting throughout the main campus. This portion of the project was an Associated Student Body 2010 goal. The students were involved in the lighting project to help identify areas on campus that needed better lighting for increased safety and energy savings. This work was completed in 2012.

The district also participated in the California Community Colleges and Investor Owned Utility Energy Efficiency Partnership by working with Southern California Edison to install plug-load controls and install power management software on 2,100 computers throughout campus. The district is requiring the design and construction of its New Science Health facility to participate in the Southern California Edison "Savings by Design" program, which can possibly earn the college \$200,000 in incentives.

Honorable Mention District Leadership: Mira Costa Community College District

FACILITIES AND OPERATIONS: Santa Monica College

The Santa Monica College Energy Project was developed and approved by the Santa Monica College Board of Trustees in 2012 and included three main projects: replacing nine old and inefficient boilers; replacing 11,000 of the approximately 16,000 light fixtures on the campus and a comprehensive renovation of the Santa Monica College Center for Environmental and Urban Studies.

On the main campus, a total of nine boilers were replaced with new, energy efficient boilers. The light fixtures were replaced with a combination of fluorescent and LED (light emitting diode) lights. The renovation of the Center for Environmental and Urban Studies featured the installation of a three-stage heating system. The first stage consolidated all computer equipment into an existing server closet. Waste heat is captured from the computers and pumped through the building. The

second stage was a solar thermal heating system and the third stage was an electrical heating element housed in the solar thermal tank and powered by the center's existing solar photovoltaic system. The energy project also included sealing the envelope of the building by installing new windows, blown-in cellulose insulation, weather stripping, and insulation in the ceiling and crawl space.

Honorable Mention Facilities and Operations: Sonoma County Junior College District

FACULTY/STUDENT INITIATIVES: West Valley College

The West Valley College Leadership in Energy and Environmental Design (LEED) Internship was created to fulfill the hands-on requirement for the West Valley College Sustainability Certificate Program using the campus as a living laboratory. The interns are involved with all aspects of sustainability on campus. Apart from work with the built environment, focus includes sustainable development, social justice and issues pertaining to a holistic approach of environmental stewardship. The result has been a growing group of highly motivated and visible sustainability advocates on campus.

In 2011, the college's LEED Internship pilot program was initiated with five interns working on a feasibility study for the LEED Existing Building Operations and Maintenance certification of the Fox Technology Center on campus and expanded in 2012 to 20 students who launched a Facebook group and blog. Three of the interns from the pilot continued on and became mentors for new interns. Four teams were created, each with an area of concentration - energy management master plan, district standards, new construction and the Fox Existing Building Operations and Maintenance certification. For the spring 2013 semester, focus is on writing the sustainability plan in partnership with the West Valley College Sustainability Committee; implementation of the creek restoration project and long-term planning for the future of the internship.

Honorable Mention Faculty/Student Initiatives: Skyline College