



# CALIFORNIA COMMUNITY COLLEGES

## CHANCELLOR'S OFFICE

**PRESS RELEASE**

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### **California Community Colleges Board of Governors Honors Winners of 2016 Energy and Sustainability Awards**

*Six colleges honored in Woodland for leading the state in environmental initiatives*

*WOODLAND, Calif.* – The California Community Colleges Board of Governors today honored Santiago Canyon College, Solano Community College and Long Beach City College as winners of the annual Excellence in Energy and Sustainability award competition for the implementation of Proposition 39 projects. Las Positas College, Hartnell College and Cypress College were selected as honorable mentions in the contest.

“The California Community Colleges is leading the way in installing and implementing energy projects that help protect the environment,” said California Community Colleges Board of Governors President [Geoffrey L. Baum](#). “The colleges, programs and individuals we are celebrating today showcase the work being done across our great system to protect and preserve California’s natural resources. I am pleased to congratulate these winners for the work they do each and every day in to advance our sustainability and conservation goals.”

Established in 2012, the Board of Governors Energy and Sustainability Awards highlight colleges that implemented energy projects that excelled in meeting the goals of Proposition 39, including annual energy cost savings, project cost effectiveness and job creation. The awards are granted in the following categories:

- Excellence in Energy and Sustainability - Proposition 39 Projects
- Excellence in Energy and Sustainability - Faculty & Student Initiatives
- Excellence in Energy and Sustainability - Sustainability Champion

Two colleges were selected as award winners for Best Overall Project, one in the “large” district category and one in the “small” district category – a classification defined by the number of full-time equivalent students (FTES) enrolled. Three awards were also given to colleges for excellence in two respective project categories: Best Retrofit Project and Best Commissioning Project. Retrofit projects typically include upgrades to lighting and HVAC systems.

Additionally, two individual awards were handed out: Maria Elena “Nena” Anguiano, director of Butte College’s Math, Engineering, Science Achievement (MESA) program, was honored with the Board of Governors Faculty/Student Initiative Award. Ms. Anguiano is the visionary behind the success of the sustainability efforts of the MESA program and has worked to implement nearly a dozen grant-funded research programs, education and outreach efforts and valuable internship opportunities that benefit Butte College students. Ken Albright, director of facilities planning and management for the Butte-Glenn Community College District, was honored as this year’s Board of Governors Sustainability Champion. This award recognizes Mr. Albright’s work in moving the district toward greater sustainability and energy efficiency. Under his leadership and guidance, the district has implemented complex Monitoring-Based

Commissioning (MBCx) projects to large scale on-site Photovoltaic (PV) solar generation projects. The efforts of Mr. Albright and his team have thus far lead to hundreds of thousands of dollars in energy and maintenance cost savings annually.

The award winners and honorable mentions are:

**Best Overall District - Large:**

**Winner: Rancho Santiago Community College District, Santiago Canyon College – Interior Lighting LED Retrofit**

Santiago Canyon College performed an interior lighting LED retrofit in multiple buildings. The college replaced over 3,000 outdated T8 linear fluorescent fixtures in several campus buildings with LED retrofit kits. The project cost \$680,000 with Prop 39 funds paying for approximately \$550,000 and Investor Owned Utility rebates of just over \$130,000 which resulted in zero costs to the district. The college saw a reduction of more than 550,000 kilowatt-hours (kWh) and 203 kilowatts (kW) with a subsequent energy bill reduction of over \$115,000 annually. Additionally, construction of this project created over 2,300 hours of employment in the community.

- **Honorable Mention: Chabot-Las Positas Community College District, Las Positas College – HVAC Retrofit**

Las Positas College replaced the Building 2000 existing direct expansion (DX) cooling units with new Air Handler Units (AHU) that incorporate central plant cooling and heating. The college achieved additional energy and cost savings by including Variable Frequency Drives (VFD) on the new AHUs. The more advanced VFDs will allow for more control over the volume of airflow. The \$583,000 project was funded with \$386,000 of Proposition 39 funds, Investor Owned Utility rebates of almost \$9,000, and just over \$188,000 of district funds. This project will save the district over 612,000 kilowatt-hours (kWh) and 75 kilowatts (kW) with a subsequent energy bill reduction of almost \$80,000 annually. The construction for this project generated over 1,100 hours of employment for fulltime employees and 220 hours of employment for apprentice and trainees.

**Best Overall District – Small:**

**Solano Community College District, Solano Community College – Exterior Lighting Retrofit**

Solano Community College removed aged exterior metal halide and high pressure sodium lighting fixtures and replaced them with new LED technology. The approximately \$344,000 project was funded with \$160,000 of Proposition 39 funds, Investor Owned Utility incentive exceeding \$107,000, and an additional \$77,000 of district funds. The district will see a yearly reduction of at least 440,000 kilowatt-hours (kWh) with a subsequent energy bill reduction of almost \$40,000 annually. In addition, this project’s construction generated 765 hours of employment within the community.

- **Honorable Mention: Hartnell Community College District, Hartnell College – Campus Wide Exterior and Area LED Lighting Retrofits**

Hartnell College performed an exterior and area lighting retrofit at multiple locations of their main campus. The college replaced old fluorescent, metal halide, and mercury vapor lighting fixtures with more efficient LED fixtures. The district only paid \$64,000 out of the total \$332,000 of project costs, with Prop 39 covering \$236,000 and an Investor Owned Utility incentive of \$32,000. The district will see an annual savings of at least 132,000 kilowatt-hours (kWh) and a subsequent energy bill reduction of almost \$16,000 per year. Furthermore, the construction for this project created over 720 hours of employment in the community.

**Retrofit Project:**

**Long Beach Community College District, Long Beach City College – HVAC Zone and Fan Static Pressure Reset**

Long Beach City College implemented a central plant optimization project at their Liberal Arts Campus (LAC) and Pacific Coast Campus (PCC) chiller plants. The scope of the project involved installing new controls systems, new VFDs on existing condenser water pumps, and installing a new 900 ton centrifugal chiller at the LAC campus with an automatic chiller sequencer to achieve best operating efficiency. The \$515,000 project was funded with nearly \$217,000 of Proposition 39 funds, Investor Owned Utility rebates of approximately \$171,000, and \$127,000 of district funds. The district will see a yearly reduction of more than 713,000 kilowatt-hours (kWh) and 155 kilowatts (kW) with a subsequent energy bill reduction of nearly \$92,000 annually. The construction for this project generated more than 1,200 hours of employment for fulltime employees and eight hours of employment for apprentice and trainees.

- **Honorable Mention: North Orange County Community College District, Cypress College – Interior Lighting Retrofit**

Cypress College replaced more than 8,600 interior lighting fixtures with newer more efficient LED fixtures. By installing more advanced equipment, the district was able to reduce the total number of required lighting fixtures by more than 1,600. Installation of the new 7,000 LED fixtures cost \$500,000 with zero cost to the district. Prop 39 funds contributed roughly \$355,000 with the Investor Owned Utility incentive adding an additional \$145,000. This project will save the district more than 607,000 kilowatt-hours (kWh) and 220 kilowatts (kW) with a subsequent energy bill reduction of almost \$80,000 annually. The construction for this project generated more than 1,200 hours of employment for fulltime employees and 170 hours of employment for apprentice and trainees.

*The California Community Colleges is the largest system of higher education in the nation composed of 72 districts and 113 colleges serving 2.1 million students per year. Community colleges supply workforce training, basic skills education in English and math, and prepare students for transfer to four-year institutions. The Chancellor's Office provides leadership, advocacy and support under the direction of the Board of Governors of the California Community Colleges. For more information about the community colleges, please visit <http://californiacommunitycolleges.cccco.edu/>, <https://www.facebook.com/CACommColleges>, or <https://twitter.com/CalCommColleges>.*

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