

California Community Colleges

Proposition 39

Clean Energy Jobs Act

Year 5



Topics Covered

- Year 5 Proposition 39 budget and Closed-out Project
- Board of Governors Energy and Sustainability Awards
- Year 5 Proposition 39 Program Summary
- Years 3-4 Workforce and Economic Development Proposition 39 program Summary
- Year 3-4 Accomplishments

Proposition 39: Budget

| Chancellor's Office Proposition 39 Allocation | | |
|---|------------|--------------|
| Chancellor's Office Division Allocation | Allocation | Fiscal Year |
| | | 2017-18 |
| Workforce & Economic Development | 12.80% | \$5,950,000 |
| Facilities Planning & Utilization | 87.20% | \$40,550,000 |
| • District Allocation | | \$38,962,000 |
| • Proposition 39 Consulting Contract | | \$1,588,000 |
| Total | 100% | \$46,500,000 |

Proposition 39: Closed-out Projects

Summary of Proposition 39 Total Year 5 (Fiscal Year 2017-18) Closed-Out Projects

- | | |
|------------------------------------|-------------------------------------|
| · 38* Districts | · 155 Direct job years (FTEs) |
| · 139 Total Closed-out projects | · 4 Trainee job years (FTEs) |
| · \$28,078,334 Total project costs | · 322,403 Direct job hours |
| · 11,584,247 kWh savings | · 8,956 Apprentice direct job hours |
| · 1,207 kW savings | · \$1,223,755 Incentives paid |
| · 328,003 therm savings | · 2,280 Homes powered |
| · \$1,879,062 Energy cost savings | |

Proposition 39: Closed-out Projects

| Category of Projects Closed-Out in Year 5 | Fiscal Year 2017-18 | |
|---|---------------------|------------------------------|
| Project Type | Count | Percentage of Total Projects |
| Lighting | 83 | 60% |
| HVAC | 35 | 25% |
| Controls | 16 | 12% |
| MBCx/RCx | 2 | 1% |
| Self-Generation | 2 | 1% |
| Other energy efficiency measures | 1 | 1% |
| Total Projects | 139 | 100% |



Board of Governors Energy and Sustainability Awards

The Board of Governors Energy and Sustainability Awards were established in 2012 to honor community college leaders for their exemplary energy and sustainability efforts at the California Community Colleges

Awards Categories:

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



Board of Governors Energy and Sustainability Awards

2018 Excellence in Energy and Sustainability—Proposition 39 Projects

| Award | District | Project |
|--------------------------------|---------------------------------|--|
| Best Overall District – Large | Coast CCD | Interior Lighting Retrofit |
| Best Overall District – Medium | Peralta CCD | Interior Lighting Retrofit |
| Best Overall District – Small | Shasta-Tehama-Trinity Joint CCD | Multi-year Tehama Solar Photovoltaic Project |
| Retrofit Project | Orange Coast College | Stadium, Gym, and Theatre Lighting Retrofit |
| Commissioning Project (MBCx) | Butte College | Main Campus Monitoring Based Commissioning Project |
| Renewable Energy | Butte College | Solar Voltaic Project |



Board of Governors Energy and Sustainability Awards

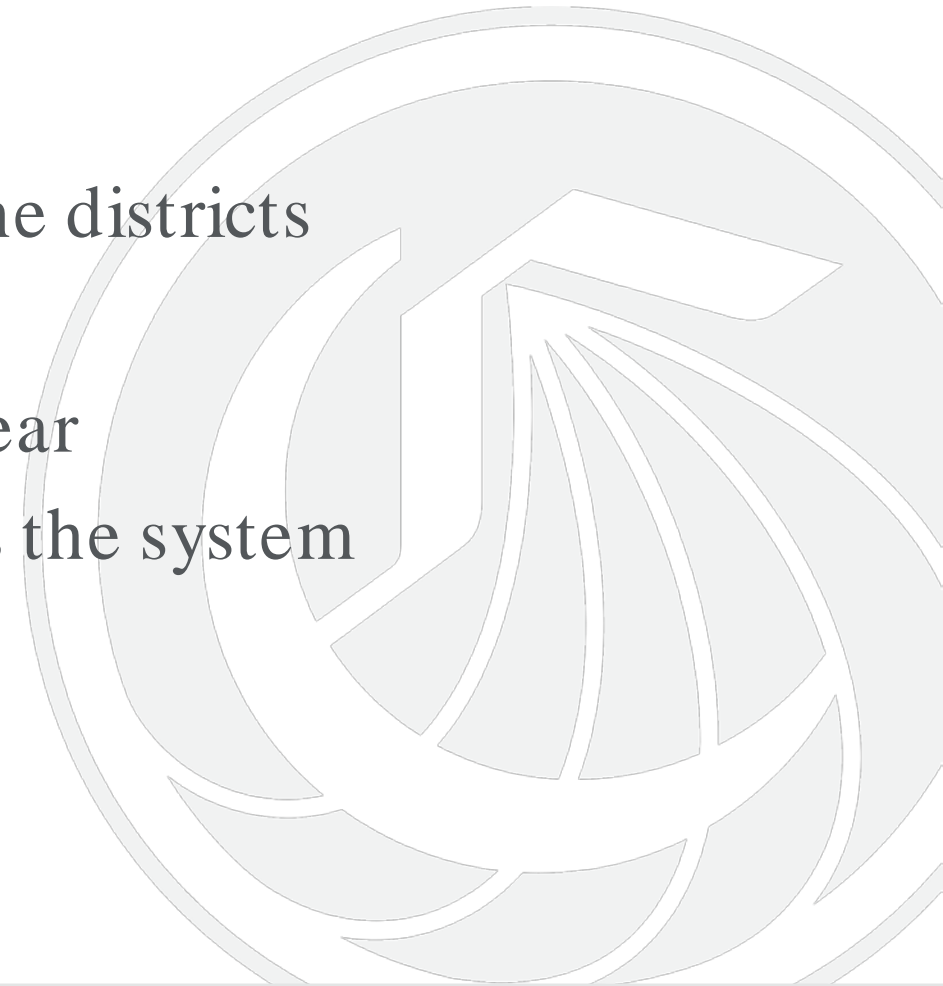
2018 Excellence in Energy and Sustainability—Faculty/Student Initiative Award

| | | |
|---|---|---------------------|
| Mt. San Antonio CCD | Dr. William T. Scroggins | Climate Action Plan |
| Excellence in Energy and Sustainability—Sustainability Champion | | |
| Long Beach CCD | Marlene Dunn, Vice President of Business Services | |
| South Orange CCD | Medhanie Ephrem, Director of ATEP Development | |
| Honorable Mentions | Four districts | Five projects |



Proposition 39 Summary

- All Proposition 39 funding encumbered by the districts
- Closing out projects by June 2019
- Final Citizen's Oversight Board report next year
- Six percent reduction in energy usage across the system



Ongoing Challenges

- Project delays for Year 4 and 5 funding
- Project complexity has gone up for Year 4 and 5
- Longer project review periods at DSA
- District energy management expertise
- District staff turnover





Workforce and Economic Development Division

- Funds distributed to five regional fiscal agents to disperse
- Funds allocated through sub-grants for priority projects
- Investments were made in the following:
 - Energy
 - Construction
 - Utilities
 - Faculty development
 - Curriculum alignment
 - Technical assistance



Regional Investment and Completers

| Region | Investment | Unique Completers |
|------------------------------------|--------------|-------------------|
| North Far North | \$ 1,564,753 | 1,152 |
| Bay Area | \$ 1,211,659 | 1,422 |
| Central Valley/South Central Coast | \$ 370,436 | 1,674 |
| Los Angeles/Orange County | \$ 2,533,613 | 1,287 |
| Inland Empire/San Diego/Imperial | \$ 442,229 | 1,577 |
| Total | \$ 6,122,690 | 7,112 |

Certificates and Awards

| Program | Investment | Awards |
|---|---------------------|---------------|
| Architecture and Architectural Technology | \$ 407,198 | 342 |
| Industrial Systems Technology and Maintenance | \$ 345,773 | 373 |
| Environmental Control Technology | \$ 1,463,466 | 1,577 |
| Construction Crafts Technology | \$ 1,361,206 | 2,374 |
| Drafting Technology | \$ 25,038 | 320 |
| Manufacturing and Industrial Technology | \$ 1,074,689 | 2,780 |
| Civil and Construction Management Technology | \$ 31,800 | 227 |
| Water and Wastewater Technology | \$ 278,228 | 596 |
| Other | \$ 265,940 | 622 |
| Total | \$ 6,122,690 | 10,327 |

Regional Certificates

| Region | 6-18 Unit Certificate | >18 Unit Certificate or Degree | Other |
|------------------------------------|-----------------------|--------------------------------|-------|
| North Far North | 347 | 970 | 404 |
| Bay Area | 446 | 1,005 | 31 |
| Central Valley/South Central Coast | 501 | 1,174 | 772 |
| Los Angeles/Orange County | 327 | 1,235 | 1,520 |
| Inland Empire/San Diego/Imperial | 287 | 1,236 | 72 |
| Total | 1,908 | 5,620 | 2,799 |

Accomplishments

Course development and programs

- Launched CareerQuest, an online career assessment, to guide prospective students into energy, construction and utility careers targeting Orange County schools
- Developed Construction Technology Pathway programs at LAMission College and LASouthwest College
- Developed a HVAC dual enrollment pathway at Fresno City College.
- Launched two new HVAC certificate programs at Bakersfield College and West Hills College – Coalinga

Accomplishments

- Course development and programs
 - Developed the Building & Energy Systems Professional (BESP) program, a set of energy, construction, and utilities (ECU) career pathways at College of the Desert, organized into one associate of science degree inclusive of 13 individual certificate programs.
 - Developed new utility (SDG&E) career training programs for gas and electric distribution planners and designers. The first cohort of 25 students was complete in December 2018 and was completely attended by incumbent workers needing to certify for SDG&E contract work.
 - Developed on-line dual enrollment OSHA 10 course at Cuesta College, which is now available for statewide distribution and utilization.

Accomplishments

- Campus labs

- Sacramento City College completed a mobile HVAC/R demonstration and outreach trailer, and made it available for outreach activities throughout the NFN and Bay Area regions.
- College of the Siskiyous completed a mobile "tiny house" demonstration and added new energy and construction courses with stackable certificates.
- Created “Campus as a Living Lab” program at Oxnard College, with 25 participating students.



Accomplishments

- Partnerships

- Partnered with the North State Building Industry Association (NSBIA) and the Los Rios District to implement an innovative outreach recruitment pilot that involved hiring, training, and deploying current students as outreach ambassadors.
- Initiated a partnership between high schools, regional community colleges, and the Southwestern Regional Carpenters Union for pre-apprenticeship education.
- Initiated a partnership with the California Construction & Industrial Materials (CalCIMA) to create an industry talent pipeline program designed to train and employ entry-level construction workers, equipment operators, diesel mechanics, and truck drivers.

Contact Information

Carlos Montoya

Director of Facilities Planning and
Utilization

(916) 322-1438

cmontoya@cccco.edu

Hoang Nguyen

Specialist

(916) 327-5363

hnguyen@cccco.edu

Javier Romero

Dean of Workforce and Economic
Development Division

(916) 322-1677

jromero@cccco.edu

Nicholas Esquivel

Specialist

(916) 445-4670

nesquivel@cccco.edu