

California Community Colleges

Proposition 39

Clean Energy Jobs Act



Topics Covered

- Proposition 39 Close-out
- Board of Governors Energy and Sustainability Awards
- 2018-19 and 2019-20 Proposition 39 Program Summary
- Years 3-4 Workforce and Economic Development Proposition 39 program Summary
- Year 3-4 Accomplishments



Proposition 39 Budget Summary

Chancellor's Office Division Allocation	Allocation	Year 1	Year 2	Year 3	Year 4	Year 5
		2013-14	2014-15	2015-16	2016-17	2017-18
Workforce & Economic Development	12.80%	\$6,000,000	\$4,790,000	\$4,950,000	\$6,290,000	\$5,950,000
Facilities Planning & Utilization	87.20%					
District Allocation		\$39,800,000	\$31,595,000	\$32,672,000	\$41,875,000	\$38,962,000
Proposition 39 Consulting Contract		\$1,200,000	\$1,115,000	\$1,115,000	\$1,115,000	\$1,588,000
Total	100%	\$47,000,000	\$37,500,000	\$38,737,000	\$49,280,000	\$46,500,000

Proposition 39: Budget

Chancellor's Office Division Allocation	Allocation	Total
Workforce & Economic Development	12.80%	\$27,980,000
Facilities Planning & Utilization	87.20%	
District Allocation		\$184,904,000
Proposition 39 Consulting Contract		\$6,133,000
Total	100%	\$219,017,000

Proposition 39: Closed-out Projects

Summary of Proposition 39 Total Year 6 (Fiscal Year 2018-19) Closed-Out Projects

- 60* Districts
- 289 Total Closed-out projects
- \$103.8M Total project costs
- 38.1M kWh savings
- 6,600 kW savings
- 588K therm savings
- \$5.9M Energy cost savings
- 550 Direct job years (FTEs)
- 15 Trainee job years (FTEs)
- 1.1M Direct job hours
- 32K Apprentice direct job hours
- \$4.5M Incentives paid
- 6,830 Homes powered

Proposition 39: Closed-Out Projects

Summary of Proposition 39 Total Year 7 (Fiscal Year 2019-20) Closed-Out Projects

- 31* Districts
- 114 Total Closed-out projects
- \$40.4M Total project costs
- 14.3 kWh savings
- 4,600 kW savings
- 259K therm savings
- \$2.2M Energy cost savings
- 225 Direct job years (FTEs)
- 6 Trainee job years (FTEs)
- 467K Direct job hours
- 13K Apprentice direct job hours
- \$815K Incentives paid
- 2,609 Homes powered

Proposition 39: Closed-out Projects

Project Type	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7*	Project Totals	% of Total Projects
Lighting	5	64	86	63	89	164	70	541	58%
HVAC	1	19	25	34	35	61	22	197	21%
Controls (combined lighting and HVAC controls)	0	11	31	10	16	36	15	119	13%
Self-Generation	0	1	1	1	3	3	2	11	1%
MBCxRCx	0	0	2	7	2	16	4	31	4%
Other energy efficiency measures	0	3	2	10	1	4	1	21	2%
Tech Assist	0	3	0	0	4	5	0	12	1%
Total Projects	6	101	147	125	150	289	114	932	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

2019 Excellence in Energy and Sustainability—Proposition 39 Projects

Award	District	Project
Best Overall District – Large	North Orange County CCD	Chilled Water Thermal Energy Storage
Best Overall District – Medium	Chaffey CCD	Photovoltaic Installation
Best Overall District – Small	Victor Valley CCD	Multi-year Campus-wide Exterior Lighting Retrofit
Retrofit Project	Saddleback College	Interior Lighting Retrofit Phase 1
Commissioning Project (MBCx)	DeAnza College	S-Quad Monitoring Based Commissioning
Renewable Energy	San Bernardino College	District Office’s Solar Photovoltaic System

Board of Governors Energy and Sustainability Awards

2019 Excellence in Energy and Sustainability:

Faculty/Student Initiative Award and Sustainability Champion

Excellence in Energy and Sustainability—Faculty/Student Initiative

Orange Coast College	Julia Clevenger and Mike Carey	Student Initiated Sustainability Plan
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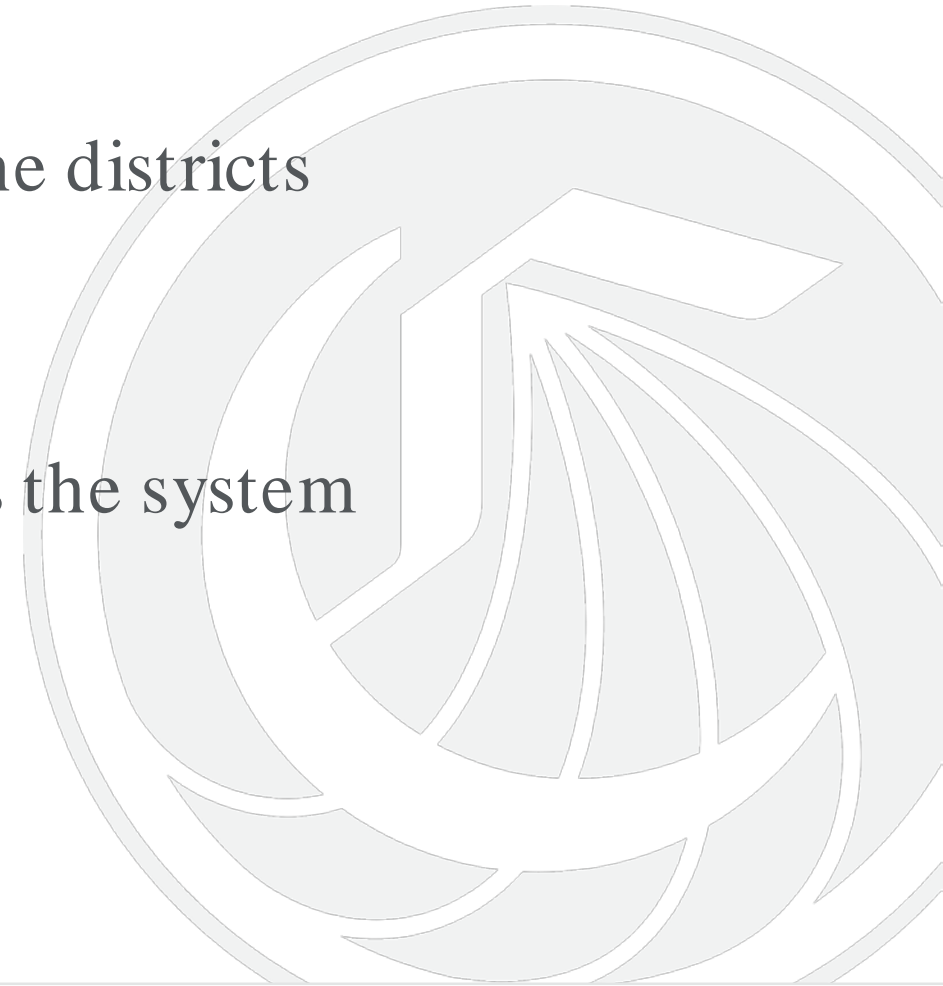
Excellence in Energy and Sustainability—Sustainability Champion

San Bernardino CCD	Farrah Farzaneh, Director of Facilities Planning and Construction
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Honorable Mentions	Five districts	
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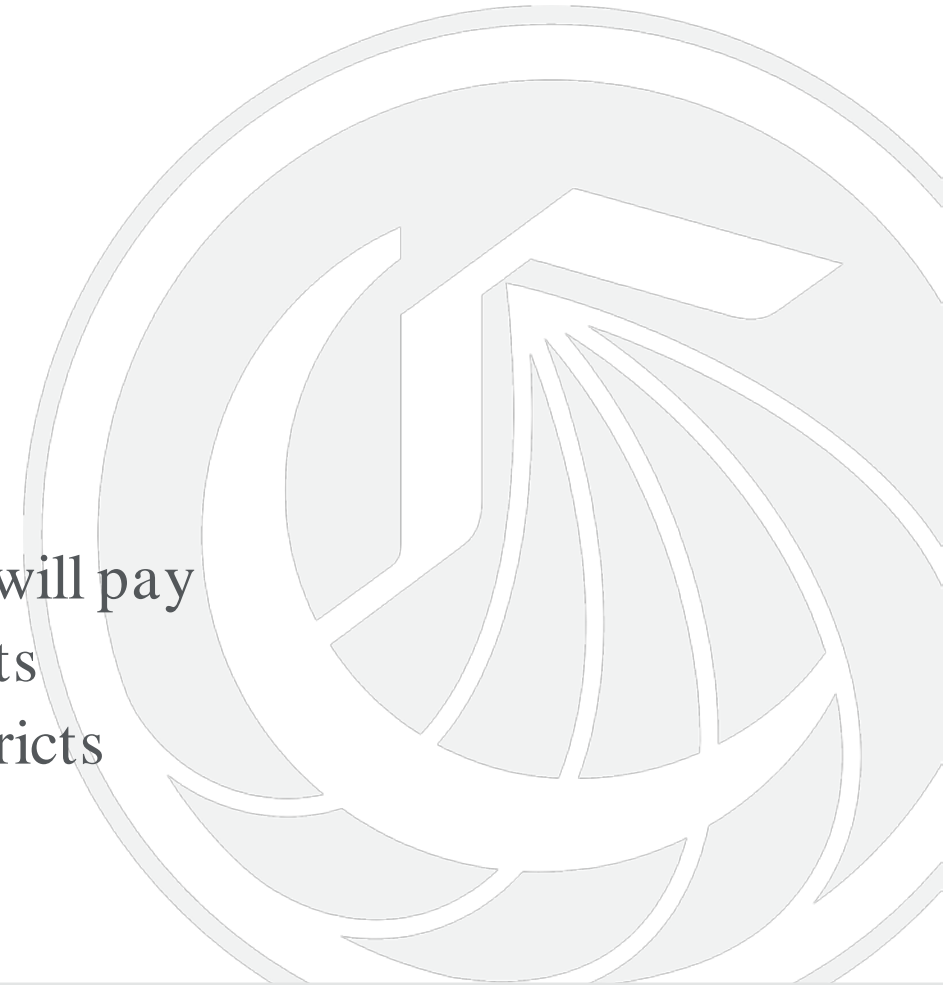
Proposition 39 Summary

- All Proposition 39 funding encumbered by the districts
- Closed out all projects in 2019-20
- \$5.8 M remaining from project savings
- 6.1 percent reduction in energy usage across the system
 - 43 districts reduced energy usage
 - 17 districts have increased their energy usage
 - 12 districts have not reported



Proposition 39 Extension

- Extended the program to December 2020
- \$5.8 M remaining from project savings
 - 23 districts with savings
 - 17 participating in extension
 - \$406K in new administration costs that districts will pay
 - \$5.2M in funds being reallocated towards projects
 - \$150K unallocated from 6 non-participating districts



Future Challenges

- Alignment with Chancellor's Office Climate Change and Sustainability Policy
- Lack of funding for future projects
- Lack of staff on campuses that are experts in sustainability

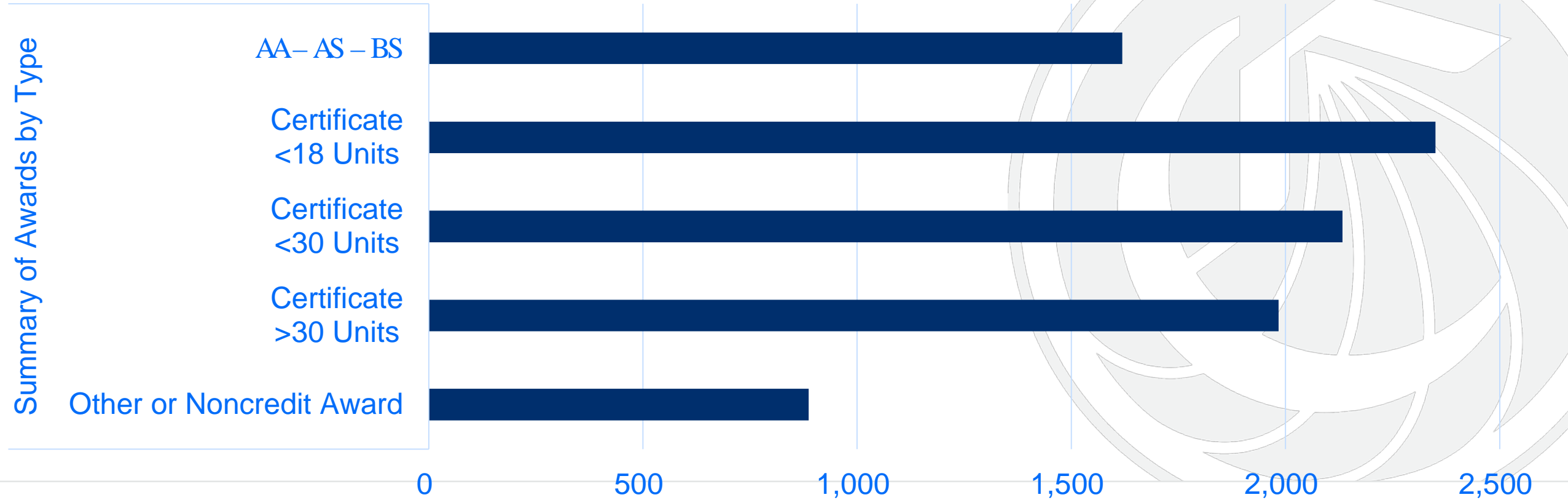


Workforce and Economic Development Division

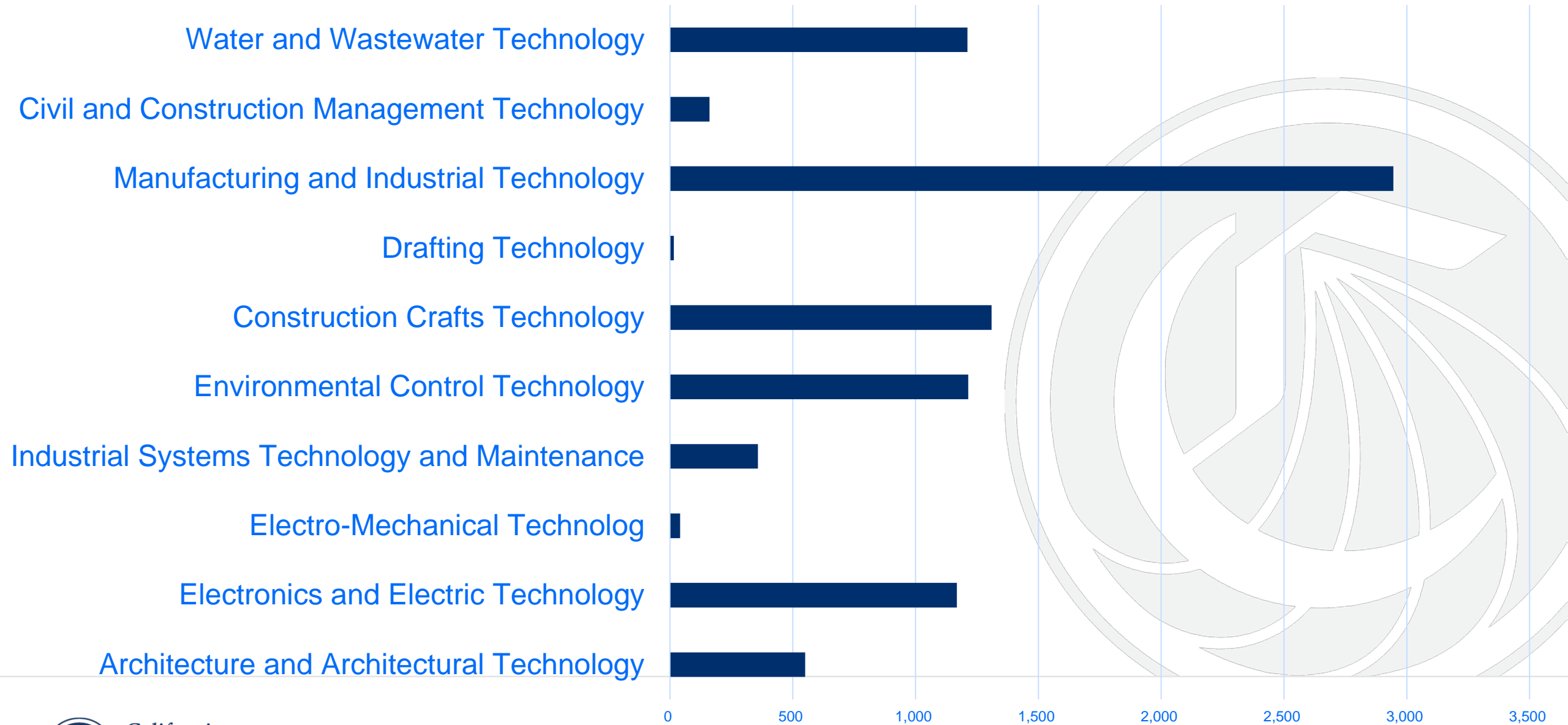
- Funds directed to educational areas to align with SB 350 and SB 100
- Provided supplemental funding for clean energy education at 96 colleges
- Students earned 8,973 degrees and certificates

Summary of Certificates and Degrees

Summary of Awards by Type



Summary of Awards by Program



Faculty Professional Development

- HVAC collaborative that engages faculty and industry
 - Now operating in Central Valley, Bay Area, North/Far North
- Automation collaborative launched in Orange County and Central Valley
- CAIndependent System Operator Summit connecting faculty with industry and CAEnergy Commission
- Southern California Virtual and Augmented Reality seminar engaging faculty for new tools to enhance student learning

Regional Impact

Region	College	Awards	Prominent Programs
Los Angeles/Orange	Santiago Canyon	1171	Water/Wastewater, Electrical
San Diego	San Diego Adult	489	Welding, Electronics/Electrical
Los Angeles/Orange	LA Trade Tech	408	Electrical, HVAC, Industrial Systems
Los Angeles/Orange	Orange Coast	326	Machine Technology, HVAC
Central	Sequoias	277	Industrial Systems, Electrical, Welding
Los Angeles/Orange	El Camino	268	HVAC
Central	Bakersfield	266	Welding, Electronics/Electrical, Machine Technology
North/Far North	American River	259	Welding, Electronics/Electrical, Structural Metal
Los Angeles/Orange	North Orange Adult	231	Welding
Los Angeles/Orange	Mt. San Antonio	231	HVAC, Architecture

Workforce and Economic Development Summary

- Educational outcomes aligned with CAMandates
 - Added significant workforce capacity
- Educational programs updated through professional development
- Leveraged Community Colleges' Strong Workforce funds to scale existing programs, replicate programs into other regions
- The Energy Skills Collaborative (TESC) was created through nexus of the success of this program

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