



California Conservation Corps Status of Proposition 39 Funded Energy Corps Program



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Energy Corps Program

- Proposition 39 Goals -



The CCC's Energy Corps Program is designed to meet the following goals:

Ø Goals: Provide Energy Industry Training and Work Experience

- Energy Industry Training - Extensive energy industry training experience for Corpsmembers (young adults from 18 to 25, and recently returned veterans up to 29).
- Energy Industry Work Experience - Helping to develop the 'next generation' of energy industry workers through extensive energy industry work experience and a continuum of on-the-job training and education.
- Create Energy Job Opportunity Pathways - Creating partnerships with energy industry companies that develop into employment opportunity 'pathways' for Corpsmembers interested in pursuing careers in the energy industry.

Ø Save Goals: Save Energy and Reduce Operating Costs for LEAs

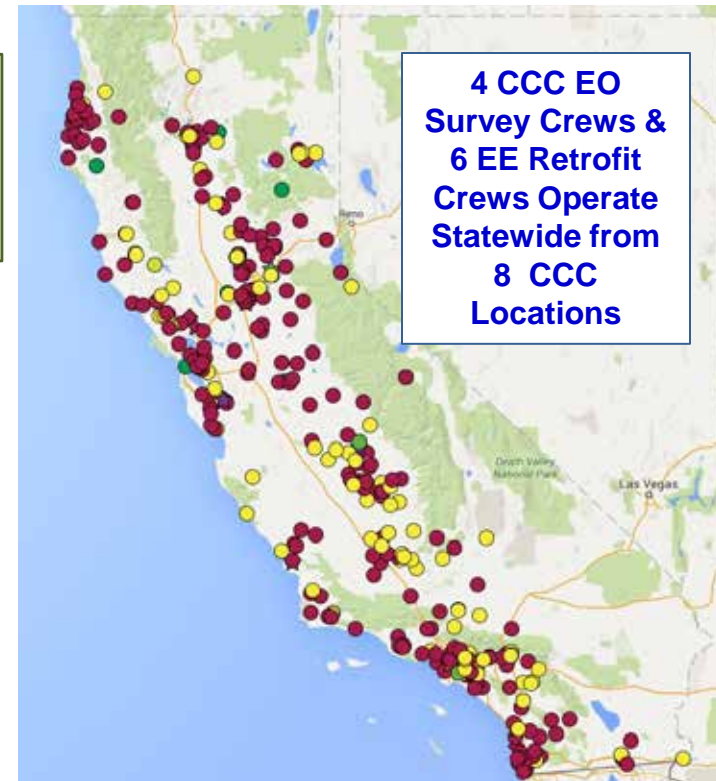
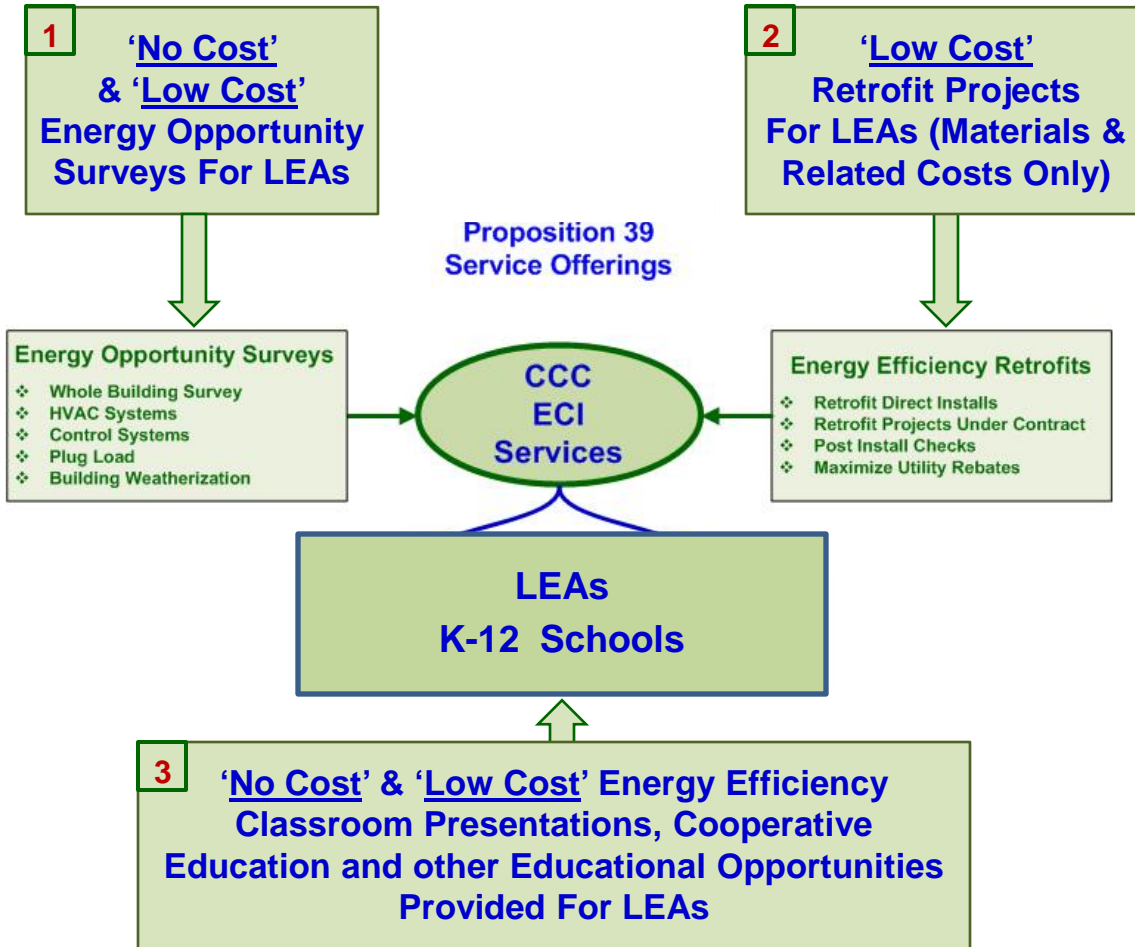
- Energy Opportunity Surveys – Perform energy industry standard ASHRAE compliant 'no cost' and 'low cost' whole building Energy Opportunity Surveys (energy audits) for thousands of LEA buildings located throughout California. These Surveys provide LEAs with 'on sight' collection of all energy systems and use data, detailed physical inventory site information necessary to identify, calculate, and recommend available energy savings opportunities.
- Retrofit Installation - Perform 'low cost' Energy Efficiency Retrofit installations that generate substantial (and sustainable) energy & cost savings for LEAs.
- "Best Practices" - Provide LEA facility management and staff with detailed Operations and Maintenance (O&M) whole building 'Best Practices' for energy efficiency.





Energy Corps Program

- Proposition 39 Funded Service Offerings -



LEAs - CCC Proposition 39 Project Status & Distribution

- Red = Complete
- Green = Active
- Yellow = Pending/Scheduled



Energy Corps Program

- Proposition 39 Funded Program Status -



Status - Surveys: In **January of 2014**, the CCC's 'Energy Corps' deployed **10** Proposition 39 Funded Crews of trained and supervised Energy Corps Corpsmembers to provide ASHRAE compliant 'Whole Building' Energy Opportunity Surveys (energy audits) for Local Educational Agencies (LEAs). In mid 2015 the Energy Corps began providing Proposition 39 funded EE Lighting Retrofit Installation services for LEAs throughout the State. The status of Proposition 39 funded **Energy Opportunity Survey** services provided to date by the CCC to K-12 LEAs is as follows:

Surveys - # of K-12 Schools Surveyed	1,220
Surveys - # of K-12 School Buildings Surveyed	11,572
Surveys - Total K-12 Building Square Footage	66,239,327

Surveys - LEAs - # Receiving CCC Surveys	325	
Surveys - LEAs - # Over 5000 ADA	58	18%
Surveys - LEAs - # 5000 or Less ADA	273	84%
Surveys - LEAs - # 50% or more qualified for FRPM	249	77%



CCC - P39 LEA's Surveyed By County	
California Counties	# of LEAs
Alameda	8
Alpine	1
Amador	1
Butte	8
Calaveras	0
Colusa	0
Contra Costa	5
Del Norte	0
El Dorado	3
Fresno	14
Glenn	0
Humboldt	29
Imperial	4
Inyo	0
Kern	19
Kings	6
Lake	0
Lassen	7
Los Angeles	29
Madera	2
Marin	1
Mariposa	1
Mendocino	11
Merced	2
Modoc	0
Mono	2
Monterey	3
Napa	0

Nevada	9
Orange	5
Placer	7
Plumas	2
Riverside	8
Sacramento	14
San Benito	0
San Bernardino	7
San Diego	27
San Francisco	1
San Joaquin	4
San Luis Obispo	6
San Mateo	0
Santa Barbara	6
Santa Clara	7
Santa Cruz	2
Shasta	13
Sierra	0
Siskiyou	1
Solano	2
Sonoma	10
Stanislaus	8
Sutter	4
Tehama	5
Trinity	1
Tulare	8
Tuolumne	1
Ventura	3
Yolo	1
Yuba	7
Totals	325



Energy Corps Program

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Status - Retrofits: In **January of 2014**, the CCC's 'Energy Corps' deployed **10** Proposition 39 Funded Crews of trained and supervised Energy Corps Corpsmembers to provide ASHRAE compliant 'Whole Building' Energy Opportunity Surveys (energy audits) for K-12 Local Educational Agencies (LEAs). In mid 2015 the Energy Corps began providing Proposition 39 funded EE Lighting Retrofit Installation services for LEAs throughout the State. The status of Proposition 39 funded EE **Retrofit Installation** services provided to date to K-12 LEAS is as follows:

Retrofits - K-12 School Projects Completed	30
Retrofits - K-12 School Lighting Retrofits Installed	56,086
Retrofits - K-12 Lighting Controls Completed	4,775
Retrofits - K-12 Annual Savings (kWh)	3,265,476
Retrofits - K-12 Annual CO₂ Reduction (Met.Tons)	776

Retrofits - LEAs - # Receiving Retrofits	24	
Retrofits - LEAs - # Over 5000 ADA	6	25%
Retrofits - LEAs - # Under 5000 ADA	18	75%
Retrofits - LEAs - # 50% or more qualified for FRPM	18	75%



CCC - P39 LEA's Retrofitted By County	
California Counties	# of LEAs
Alameda	0
Alpine	0
Amador	0
Butte	4
Calaveras	0
Colusa	0
Contra Costa	0
Del Norte	0
El Dorado	0
Fresno	1
Glenn	0
Humboldt	0
Imperial	0
Inyo	0
Kern	1
Kings	0
Lake	0
Lassen	0
Los Angeles	0
Madera	0
Marin	0
Mariposa	0
Mendocino	0
Merced	0
Modoc	0
Mono	0
Monterey	0
Napa	0

Nevada	3
Orange	2
Placer	1
Plumas	0
Riverside	1
Sacramento	0
San Benito	1
San Bernardino	2
San Diego	2
San Francisco	0
San Joaquin	0
San Luis Obispo	0
San Mateo	0
Santa Barbara	1
Santa Clara	0
Santa Cruz	1
Shasta	2
Sierra	0
Siskiyou	0
Solano	0
Sonoma	0
Stanislaus	1
Sutter	0
Tehama	1
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	0
Totals	24



Energy Corps Program

- Proposition 39 Funded Program Status -



Status - Backlog of Survey Requests: There are now **6 CCC Energy Corps Energy Opportunity Survey Crews operating statewide** from CCC Centers. Due to the very large volume of Schools and buildings that K-12 LEAs requested for Energy Opportunity Surveys during the first year of Proposition 39 funded services, the CCC stopped accepting applications from LEAs for Energy Opportunity Surveys in July of 2014. The current backlog of K-12 LEA requests for Surveys represents approximately **2.5 years of work for 4 CCC Energy Corps Surveys Crews** operating on a full time basis.



Status - Backlog of Retrofit Installation Requests: Each Retrofit installation project requires much more time to complete than an Energy Opportunity Survey. The CCC Energy Corps began offering K-12 LEAs Retrofit Installation services in mid 2015. There are now **6 CCC Energy Corps EE Retrofit Installation Crews operating statewide** from CCC Centers. **The current backlog of K-12 LEAs requests for Retrofit Installation Projects represents approximately 6 months of work operating on a full time basis.** Requests for these CCC Energy Corps Retrofit Services is increasing rapidly as more K-12 LEAs become aware of their availability and apply for these Proposition 39 funded Retrofit Installation services. The CCC will accept requests and applications for Retrofit Installation Project services through its website and by direct outreach to K-12 LEAs.





Energy Corps Program

- Proposition 39 Funded Program Status -



Status - Training: In **January of 2014**, the CCC's 'Energy Corps' deployed **10** Proposition 39 Funded Crews of trained and supervised Energy Corps Corpsmembers to provide ASHRAE compliant 'Whole Building' Energy Opportunity Surveys (energy audits) for K-12 Local Educational Agencies (LEAs). In mid 2015 the Energy Corps began providing Proposition 39 funded EE Lighting Retrofit Installation services for K-12 LEAs throughout the State. The following is the status of Proposition 39 funded **Training** provided to

date:

Corpsmembers trained (Energy Opportunity Surveys)	491
Corpsmembers trained (OSHA 10./30)	221
Corpsmembers trained (Lighting Retrofit Installations)	191
Corpsmembers trained (On-Line Energy University)	211
Corpsmembers trained (EE Presentations)	89
Corpsmembers trained (Total Training Hours)	43,647
CCC Staff trained (Energy Opportunity Surveys)	40
CCC Staff trained (OSHA 10./30)	20
CCC Staff trained (Lighting Retrofit Installations)	19
CCC Staff trained (On-Line Energy University)	1
CCC Staff trained (Presentation Training)	8
CCC Staff trained (Total Training Hours)	3,933
CCC Total training hours	47,580





Energy Corps Program

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Status - Corpsmembers Hired: In **January of 2014**, the CCC's 'Energy Corps' deployed **10** Proposition 39 Funded Crews of trained and supervised Energy Corps Corpsmembers to provide ASHRAE compliant 'Whole Building' Energy Opportunity Surveys (energy audits) for Local Educational Agencies (LEAs). In mid 2015 the Energy Corps began providing Proposition 39 funded EE Lighting Retrofit Installation services for LEAs throughout the State. The following is the status of **Hires and Requests to Hire** CCC Energy Corps Corpsmembers resulting from their Proposition 39 funded training and work project experience to date in the CCC's Energy Corps:

Ø Corpsmembers Hired by – Energy Industry	31
Ø Corpsmembers Hired by – Related Industries	41
Ø Requests from Energy Industry Companies for Energy Corps Corpsmembers to Hire (# CMs requested)	120+



Status - Requests to Hire Corpsmembers: Many energy industry companies have begun to regard the CCC's Energy Corps as a very good source for hiring entry level employees. Companies who initially approach the CCC seeking Energy Corps partnering opportunities have often requested to hire Energy Corps Corpsmembers. The demand received by the CCC in 2015 for trained and experienced Energy Corps Corpsmembers was much greater than could be supplied (in terms of Corpsmembers that already had sufficient Energy Corps training and work experience). Individual Energy Industry Companies have requested up to 50 Corpsmembers for immediate hire, and as a collective, they have requested more than 120 Corpsmembers for hire. The CCC's Energy Corps has achieved this positive reputation as a source for entry level energy industry new hires by providing Corpsmembers with a high standard of Energy Industry training, strong demonstrated work ethics, and skills in performing these Proposition 39 Funded energy efficiency 'work-learn' projects for LEAs.





Energy Corps Program

- Proposition 39 Funded Services -



For more information about the CCC's Energy Corps, please visit the CCC Website:
<http://www.ccc.ca.gov/work/programs/prop39/Pages/default.aspx>

CCC ENERGY CORPS

CCC Energy Corps Proposition 39 Program Update

Short Video Clips of the Energy Corps

SAVING ENERGY THROUGH WORKFORCE INNOVATION TRAINING THE WORKFORCE THROUGH RETROFIT PROJECTS

The CCC Energy Corps – Saving Energy Through Workforce Innovation

The CCC Energy Corps – Training the Workforce Through Retrofit Projects

TRANSFORMING THE ENERGY EFFICIENCY MARKETPLACE TRAINING AND CAREER OPPORTUNITIES FOR YOU

The CCC Energy Corps and UC Davis EEC – Transforming the Energy Efficiency Marketplace

The CCC Energy Corps – Training and Career Opportunities for You