



# **California Conservation Corps**

**2016**

## **Annual Report to the Proposition 39 Citizens Oversight Board**

**9 February 2017**



## California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

### About the CCC

Founded by Governor Brown in 1976 during his first term as Governor, the California Conservation Corps (“CCC”) and its Corpsmembers have performed more than 40 years of conservation work benefiting the citizens of California, and have trained more than 100,000 young adults as CCC Corpsmembers. The CCC also has more than 30 years of direct experience working on Energy Efficiency (EE) and Renewable Energy (RE) projects and programs throughout California. In 2013 the CCC established the “Energy Corps” as an operational group within the CCC that provides the following services to Californians:

**Energy Industry Training & Work Experience** – CCC Corpsmembers and Staff are trained by energy industry experts, CCC Staff, and Energy Corps partners to become very capable, efficient, substantially experienced, and effective resources performing a variety of EE and RE projects and programs throughout the State on a cost effective and efficient basis.

**Cooperative Energy Industry Partnerships** – The CCC’s Energy Corps establishes energy conservation workforce development project and program opportunities with Energy Industry partners, sponsors, and clients that provide relevant and extensive energy industry training and work experience opportunities for Corpsmembers, and energy conservation savings for the recipients of this work (K12 Schools).

**Innovative Program Designs** – The CCC works with Energy Corps partners and sponsors to create new cooperative EE and RE workforce development Programs and Projects that directly engage Corpsmembers in saving energy, reducing energy operating costs, improving the operational and learning environments within buildings for all occupants, reducing Green House Gas Emissions (“GHGE”) through the reduction of energy use and demand, and creating multiple ‘pathways’ for CCC Corpsmembers to energy industry job opportunities.

**Energy Industry Services** – The CCC’s Energy Corps provides extensive Proposition 39 Funded energy conservation services to LEAs (K-12 Schools) throughout California, as well as reimbursement based EE conservation contract work with energy industry partnering companies (contractors, ESCOs, 3<sup>rd</sup> party EE companies), utilities, State Agencies, non-profit organizations, and others.

**Resources & Operational Centers** – The CCC has more than 1,400 Corpsmembers positions (FTE) located in 26 CCC operating centers statewide, along with the Staff and infrastructure necessary to support, manage, and deploy these Corpsmembers.

**CCC Energy Centers** – Four (4) of the 26 CCC operating centers are dedicated CCC “Energy Centers” (Sacramento, San Jose, Norwalk, and Vista), from which the CCC operates ten (10) Energy Corps Crews to provide energy conservation project and program services throughout the State. In addition to these four dedicated Energy Centers, the CCC also has one (1) Energy Corps crew stationed at the Fresno CCC Center.

**CCC & ‘Local Conservation Corps’** – In addition to the CCC, there are also fourteen (14) Local Conservation Corps located throughout California (“Local Corps”). Each of these Local Corps are certified operationally by the CCC. The CCC and participating certified local Conservation Corps can work together to provide professionally trained and managed Corpsmembers, infrastructure, and a range of energy conservation services for EE and RE projects & programs throughout California.



# California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

## CCC & Local Corps



With 4 dedicated CCC Energy Centers, 26 CCC operating locations, and 14 Local Conservation Corps located throughout California, the CCC and participating certified local Conservation Corps can provide extensive professionally trained and managed Corpsmembers, infrastructure, and a range of Energy Efficiency & Renewable Energy Projects & Programs.





**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**

**About the CCC’s Proposition 39 Funded Energy Corps Services:**

**Energy Industry Services Designed to Meet the Following Goals:**

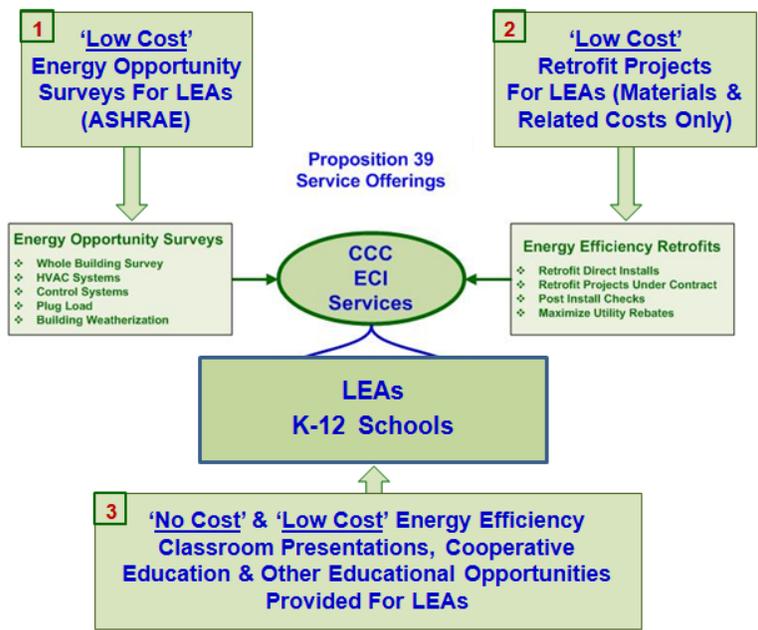
**Create Multiple Energy Job Opportunity Pathways** – Developing innovative energy conservation partnerships with energy industry companies that develop into multiple employment opportunity ‘pathways’ for CCC Energy Corps Corpsmembers interested in pursuing careers within the energy industry.

**Provide Relevant Energy Industry Training** – Classroom and lab based energy industry training and extensive on-the-job training and work experience is provided for CCC Energy Corps Corpsmembers (young adults from 18 to 25, and recently returned veterans up to 29) by energy industry companies, universities, and Energy Corps partners.

**Provide Extensive Energy Industry Work Experience** – After receiving their initial formal classroom training, CCC Energy Corps Corpsmembers receive extensive on-the-job training and work experience ‘in the field’ working on energy conservation projects for buildings both delivered directly by the CCC to clients, and working with energy industry partners and experts. The CCC’s Energy Corps is helping to develop the ‘next generation’ of energy industry workers through the provision of extensive energy industry work experience, and a continuum of extensive on-the-job training and education for Corpsmembers. This approach to energy industry workforce development is helping to transform the market for ‘entry level’ energy industry jobs (a form of market transformation) at a time when the energy industry is having significant difficulty finding enough qualified employees to fill their vacant entry level positions.

**Save Energy and Reduce Energy Costs for California K-12 Schools** – The CCC provides important, relevant, and much needed energy conservation services to K-12 Schools located throughout California as follows:

**CCC Proposition 39 Funded Energy Industry Services for K-12 Schools:**





**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**

**CCC Proposition 39 Allocations:** – Over a period of four (4) Fiscal Years, the CCC has been allocated a total of \$ 21.073 million dollars to provide energy industry services on behalf of K-12 LEAs throughout California. The following table shows the allocations by each fiscal year:

<b>CCC Proposition 39 Allocations - In Thousands</b>			
<b>FY 16-17</b>	<b>FY 15-16</b>	<b>FY 14-15</b>	<b>FY 13-14</b>
<b>\$ 5,660</b>	<b>\$ 5,406</b>	<b>\$ 5,000</b>	<b>\$ 5,007</b>

**Low Cost' Energy Opportunity Surveys** – Since December of 2013, the CCC has performed ASHRAE compliant (energy industry standard), “Energy Opportunity Surveys” (energy audits) for more than **1,250** Schools located in **432** LEA districts, consisting of more than **12,600** buildings totaling more than **69.6** Million Square Feet throughout California. These Proposition 39 funded CCC Energy Opportunity Surveys provide LEAs with extensive on-site collection of data by the CCC’s trained and experienced Energy Corps Corpsmembers (paid for by the CCC’s Proposition 39 allocation) for the building envelope, all energy use systems, energy use ‘best practices’, plug load energy use, and the detailed physical inventory and site information for each building necessary to identify, calculate, and recommend available energy savings opportunities, recommended best practices, and make use of available incentive programs.

The data collected by the CCC’s Energy Corps Corpsmembers is then provided to the LEA, the LEA’s energy efficiency partner (if any), or a qualified and ‘low cost’ CCC Energy Corps partner to perform detailed data analysis, modeling, retrofit and O&M best practices recommendations, and prepare the final Survey Report for the LEA. In addition to the final CCC Energy Opportunity Survey Report, the LEA also receives from the CCC the completed CEC Proposition 39 calculator required for submission with the LEA’s EEP to the CEC.

The CCC’s completed ASHRAE compliant Energy Opportunity Surveys are the foundation of information (and ‘baseline’ of energy use) upon which the most effective use of any energy efficiency project funding can best be determined, prioritized, and sequenced. The following is a summary of Energy Opportunity Surveys provided to LEAs each year through 2016:

**ENERGY CORPS PROGRAM - July 2013 TO DATE**

**Services Provided by the CCC to K-12 LEAs Funded by Proposition 39  
2/2/2017**

<b>Projects</b>	<b>To Date</b>	<b>Totals By Calendar Years</b>			
		<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
<b>LEA Request For Services:</b>	<b>432</b>	<b>32</b>	<b>25</b>	<b>246</b>	<b>129</b>
<b>Total Number of Project Sites:</b>	<b>1,337</b>	<b>192</b>	<b>161</b>	<b>979</b>	<b>5</b>
<b>Number of Completed Projects:</b>	<b>1,337</b>	<b>192</b>	<b>161</b>	<b>979</b>	<b>5</b>
<b>Total Energy Surveys Completed:</b>	<b>1,258</b>	<b>156</b>	<b>134</b>	<b>963</b>	<b>5</b>
<b>Total Buildings Surveyed</b>	<b>12,653</b>	<b>1,532</b>	<b>1,397</b>	<b>9,677</b>	<b>47</b>
<b>Total Square Footage Surveyed</b>	<b>69,670,897</b>	<b>6,563,081</b>	<b>9,115,576</b>	<b>53,773,464</b>	<b>218,776</b>
<b>LEA's Surveyed Total</b>	<b>408</b>	<b>16</b>	<b>19</b>	<b>244</b>	<b>129</b>
LEA's Surveyed Over 5000 ADA	<b>79</b>	<b>5</b>	<b>7</b>	<b>41</b>	<b>26</b>
LEA's Surveyed Under 5000 ADA	<b>329</b>	<b>11</b>	<b>12</b>	<b>203</b>	<b>103</b>
LEA's Surveyed Over 50% FRPM	<b>261</b>	<b>11</b>	<b>15</b>	<b>163</b>	<b>72</b>



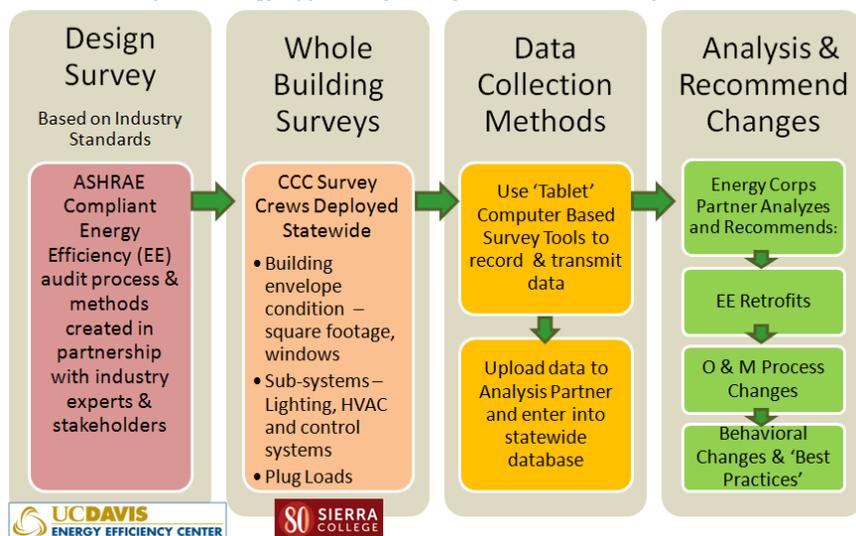
# California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

**Note 1:** Although the CCC provides its Proposition 39 funded energy industry services to all LEAs that request assistance based upon the sequence of receiving their requests, some scheduling preference for the provision of these services is provided for LEA applicants with ADA 5,000 or less, and LEAs with FRPM qualification levels of 50% of ADA or greater.

**Note 2:** 81% of all Surveys provided to LEAs to date have had ADA levels of **5,000** or less. 64% of all Surveys for LEAs to date have had FRPM qualification levels of **50%** or greater.

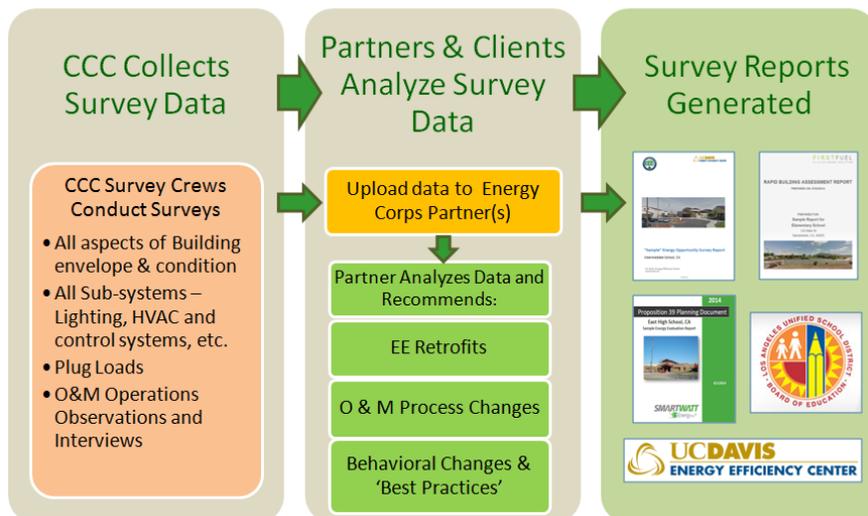
**CCC Survey Design:** The following diagram illustrates the processes by which the CCC’s industry standard (ASHRAE compliant) Energy Opportunity Surveys are designed and implemented by the CCC and its Energy Corps partners:

*ASHRAE Compliant Energy Opportunity Surveys are Created and Implemented as follows:*



**CCC Survey Data Collection & Analysis:** The following diagram illustrates the processes by which the CCC’s industry standard (ASHRAE compliant) Energy Opportunity Surveys are performed by the CCC (data collection) and its Energy Corps partners (for data analysis):

*ASHRAE Compliant Energy Opportunity Surveys are Created and Implemented as follows:*





**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**

**EE Retrofit Installation** – Starting in mid 2015, the CCC’s Energy Corps began providing Proposition 39 funded low cost EE Lighting Retrofit Installation services for LEAs throughout the State. The CCC performs the Retrofit installation labor at ‘no cost’ for LEAs for EE Lighting and Controls Retrofits for K-12 Schools. These EE retrofits generate immediate, substantial, and sustainable energy and cost savings for LEAs. To date, the CCC has completed **79** EE Lighting Retrofit Installation Projects for LEAs statewide; consisting of more than **115,000** lighting fixture replacements, and more than **8,500** Lighting Controls retrofits installed.

Equally important, these EE Lighting Retrofit Installations performed by the CCC also improve the quality of the lighting in classrooms and other areas of Schools and other District buildings, improving the learning environment for both students and staff.

This retrofit installation labor performed by the CCC’s Proposition 39 funded Energy Corps Corpmembers has already produced more than **7 Million** kWh saved annually (on a sustainable basis), a reduction of more than **1,600** metric tons annually in Green House Gas Emissions (“GHGE”), and a savings of more than **\$ 949,000** in annual energy operating costs savings for the LEAs receiving these CCC energy industry services. The status of the CCC’s Proposition 39 funded EE Retrofit Installation services provided to date is as follows:

**ENERGY CORPS PROGRAM - July 2013 TO DATE**

**Services Provided by the CCC to K-12 LEAs Funded by Proposition 39  
2/2/2017**

Projects	To Date		Totals By Calendar Years			
	TOTAL		2016	2015	2014	2013
LEA Request For Services:	432		32	25	246	129
Total Number of Project Sites:	1,337		192	161	979	5
Number of Completed Projects:	1,337		192	161	979	5
Total Retrofit Projects Completed	79		36	27	16	0
Total # of Lighting Retrofits	115,222		78,696	36,526	0	0
Total # of Controls Retrofits	8,583		4,693	3,890	0	0
Estimated Annual KWH impact/YR	7,077,728		4,153,706	2,924,022	0	0
Estimated CO2 Reduction ( M-Tons)	1,683		988	695	0	0
LEA's Retrofitted Total	40		17	9	14	0
LEA's Retrofitted Over 5000 ADA	15	38%	6	4	5	0
LEA's Retrofitted Under 5000 ADA	25	63%	11	5	9	0
LEA's Retrofitted Over 50% FRPM	22	55%	9	6	7	0

**Note 1:** Although the CCC provides its Proposition 39 funded energy industry services to all LEAs that request assistance based upon the sequence of the receipt of their requests, some scheduling preference for the provision of these services is provided for LEAs with ADA 5,000 or less, and LEAs with FRPM qualification levels of 50% of ADA or greater.

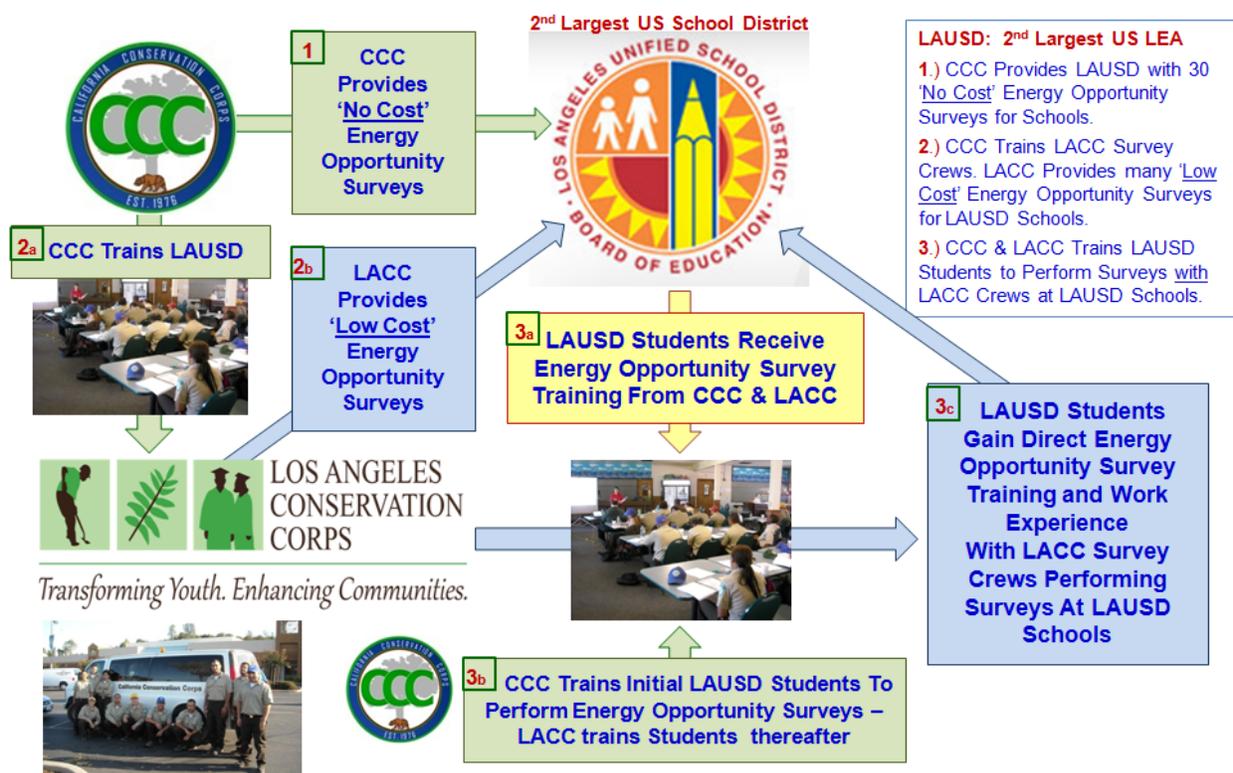
**Note 2:** 63% of all EE Lighting and Lighting Controls Retrofit Installations provided to LEAs to date have had ADA levels of **5,000** or less. 55% of all EE Lighting Retrofit and Lighting Controls Retrofit Installations for LEAs to date have had FRPM qualification levels of **50%** or greater.



**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**

**“Energy Conservation Education”** – The CCC’s Proposition 39 funded Energy Corps provide LEAs with several types of educational engagements regarding energy conservation. These range from classroom presentations by the CCC on EE and RE topics, and the Survey work being performed by the CCC at Schools, to much more advanced engagements wherein the CCC, LEA, and a Local Corps work together to promote educational opportunities for high school students to be trained to become energy auditors, practice these skills extensively to gain work experience that benefits them and their School District, resulting in energy savings and operating cost reductions, creating pathways for students who are interested in energy industry employment after they graduate, and promotes continuing education goals.

An example of this advanced cooperative energy educational engagement is shown below, illustrating the ways in which the CCC, Los Angeles Unified School District (“LAUSD”), and the Los Angeles Conservation Corps (“LACC”) now work together to design and implement the LAUSD’s new Student Energy Auditor Training (“SEAT”) program for high school students:





## California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

### Backlog of Energy Industry Service Requests from LEAs:

**Requests for Energy Opportunity Surveys from LEAs** – In August of 2013 the CCC announced to LEAs the availability of CCC Proposition 39 funded Energy Opportunity Surveys. LEAs were encouraged to apply for the CCC's Proposition 39 funded Energy Opportunity Surveys by submitting a simple application form 'on-line' through the CCC's website. On this form the LEA identified the number of school and district buildings (and square feet) that they were requesting to be Surveyed. This announcement resulted in more than **350 LEAs** (approximately **17%** of the 2,000+ California LEAs) requesting the CCC to Survey more than **33,000** School and other District buildings, consisting of more than **212,000,000** Square Feet of building space. Due to the volume of requests for Surveys that the CCC received, in June of 2014 the CCC temporarily 'paused' the Survey application acceptance process from LEAs. In spite of this pause, requests for Surveys from LEAs have continued to be received by the CCC.

The CCC has now completed **1,258** Energy Opportunity Surveys of Schools (totaling **12,653** buildings) for **408** LEAs throughout California (approximately **20%** of the 2,000+ LEAs in California). Many of the **408** LEAs receiving Energy Opportunity Surveys from the CCC did not receive Surveys for all of the school and district buildings that they initially requested. This was because the demand for Energy Opportunity Surveys was so large that the CCC had to 'parse' the supply and scheduling of Surveys so that a large number of LEAs could receive some number of Surveys. LEAs were encouraged to prioritize and select the Schools within their districts that were to initially receive Surveys, and that the CCC would attempt to provide additional Surveys over time to these LEAs. Given that 3 years of time have transpired since the original applications received by the CCC from LEAs for Energy Opportunity Surveys, it is not clear now how many of these original Survey requests from LEAs may still be unfulfilled by other energy industry service providers (regardless of funding sources).

It is the case, however, that approximately **80%** of all LEAs have not received Energy Opportunity Surveys from the CCC for their Schools and other District Buildings. Many of these LEAs may have contracted with energy industry providers for energy audits for some or all of their district buildings, while many of the LEA's school district buildings have yet to receive energy audits to determine their energy efficiency improvement opportunities.

**Requests for EE Retrofit Installation Services from LEAs** – In mid 2015 the CCC began providing LEAs with Proposition 39 funded EE Lighting and Controls Installation Retrofit services. As per the original CCC plan for the use of Proposition 39 funds in service to LEAs, this changed the balance of the work performed by the CCC's ten (10) Proposition 39 funded Energy Corps crews from Energy Opportunity Surveys to the Installation of EE Retrofits. This change also increased the direct amount of CCC contributions to LEA energy saved (kWh), reduction of energy costs, and the reduction of GHGE for LEAs. There are now an average of six (6) CCC Energy Corps crews performing EE Lighting and Controls Installation services.

Since mid 2015, the CCC's Energy Corps crews performing EE Lighting and Controls Retrofits have resulted in more than **7 Million kWh** saved annually (on a sustainable basis), a reduction of more than **1,600** metric tons annually in Green House Gas Emissions ("GHGE"), a savings of more than **\$ 949,000** in energy operating costs for the LEAs receiving these CCC energy industry services, and a savings of EE Retrofit Installations costs for LEAs. To date the CCC has performed **79** EE Lighting and Controls Retrofits Installation projects for a small percentage of LEAs needing these services (less than **4%**). These projects are much longer in duration to perform by the CCC than Surveys, and they are of substantial benefit to the LEA recipients.



**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**

It is clear from the energy conservation work performed by the CCC to date that the potential demand for the CCC's Proposition 39 funded EE Lighting and Controls Retrofit Installation services is both very large and highly beneficial for LEA recipients. All CCC Energy Corps Crews engaged in Retrofit Installations to date have been fully scheduled for project work.

The CCC has not yet notified all of the 2,000+ LEAs of the availability of these Proposition 39 funded EE Lighting and Controls Retrofit Installation services, nor has it requested that LEAs statewide apply for these services in the same way that the CCC's Energy Opportunity Surveys were originally offered to LEAs (in the form of an 'on-line' application). The CCC has announced the availability of these Retrofit Installation services at many speaking engagements throughout the State to LEAs and others over the past two (2) years, but has not been announced to all LEAs at the same point in time. This is because the amount of time required to perform these EE Lighting and Controls Retrofit Installation services takes much longer than Surveys to perform, each project is somewhat unique in scale, complexity, and the time required due to the circumstances encountered at each School (including the available time of day for the CCC to perform the work at schools), and also the number of CCC Energy Corps Crews available for Retrofit Installation projects at any point in time from a scheduling perspective.

**Energy Industry Training for CCC Corpsmembers and Staff:**

**Training for Energy Conservation Services** – The CCC's Energy Corps and its partners have developed the training curriculum and Survey software systems and tools needed to provide efficient energy industry training for CCC Corpsmembers and Staff in both traditional classroom based learning environments, and an extensive continuum of on-the-job work/learn experience for both Energy Opportunity Surveys and EE Lighting and Controls Retrofit Installations. To date, the CCC has trained **553** CCC Corpsmembers and **37** Staff to perform Energy Opportunity Surveys, along with **301** Corpsmembers and **22** CCC Staff to perform EE Lighting and Controls Retrofit Installation services. The following table provides details regarding this training:

**ENERGY CORPS PROGRAM - TRAINING**

**Services Provided by the CCC to K-12 LEAs Funded by Proposition 39**

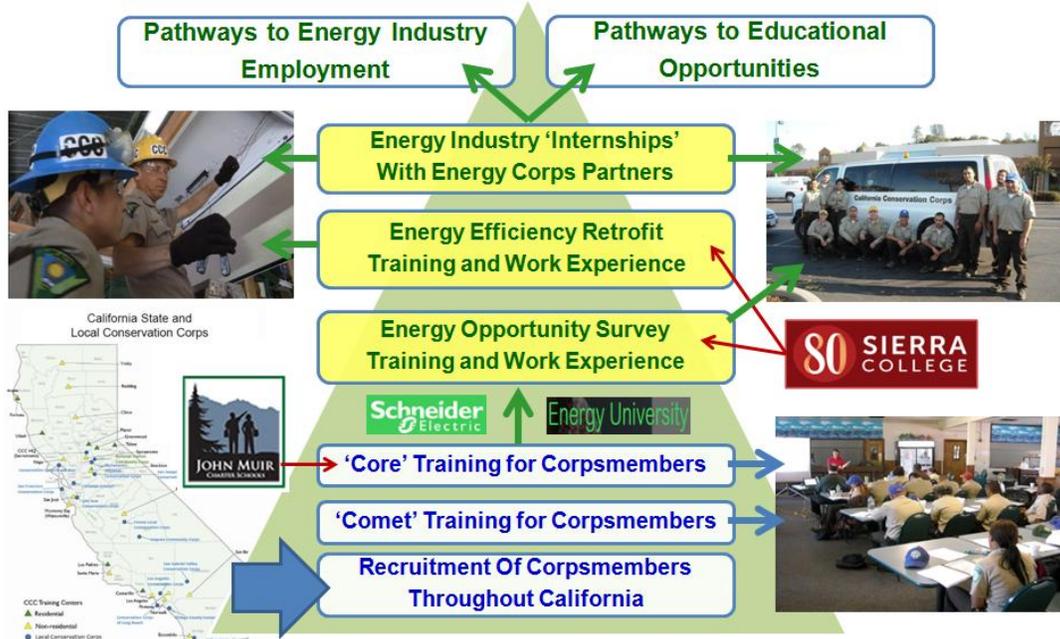
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Training	Total to Date		Totals By Calendar Years							
	Trainees	Hours	2016	2016	2015	2015	2014	2014	2013	2013
<b>CCC Corpsmembers:</b>										
<b>Survey Training</b>	553	26,392	104	4,240	177	7,272	143	6,624	129	8,256
OSHA 10/30 Training	345	2,880	70	640	95	880	123	930	57	430
<b>Retrofit Training</b>	301	24,089	69	5,529	88	7,040	101	8,080	43	3,440
Presentation Training	90	450	0	0			90	450	0	0
Energy University Courses	216	1,606	36	132	56	457	36	297	88	720
<b>Totals:</b>	<b>1,505</b>	<b>55,417</b>	<b>279</b>	<b>10,541</b>	<b>416</b>	<b>15,649</b>	<b>493</b>	<b>16,381</b>	<b>317</b>	<b>12,846</b>
<b>CCC Staff:</b>										
<b>Survey Training</b>	37	2,032	2	80	9	488	18	952	8	512
OSHA 10/30 Training	25	210	2	20	3	30	16	130	4	30
<b>Retrofit Training</b>	22	1,760	2	160	3	240	14	1,120	3	240
Presentation Training	1	5					1	5		
Energy University Courses	4	12	1	3	2	6	0	0	1	3
<b>Totals:</b>	<b>89</b>	<b>4,019</b>	<b>7</b>	<b>263</b>	<b>17</b>	<b>764</b>	<b>49</b>	<b>2,207</b>	<b>16</b>	<b>785</b>



# California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

**Multiple Levels and Partners for Energy Industry Workforce Training and Pathways –** The energy industry and work place skills training that the CCC provides for Corpsmembers consists of several progressive ‘tiers’ of training that build competency and experience as shown below:



## Summary of the CCC’s 2016 Proposition 39 Performance:

**Provide Energy Conservation Services for LEAs – 2016 and ‘to date’ performance data:**

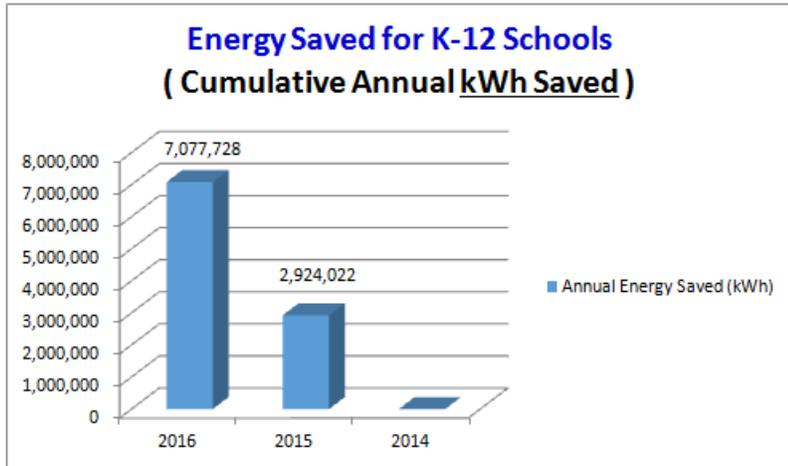
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2/2/2017

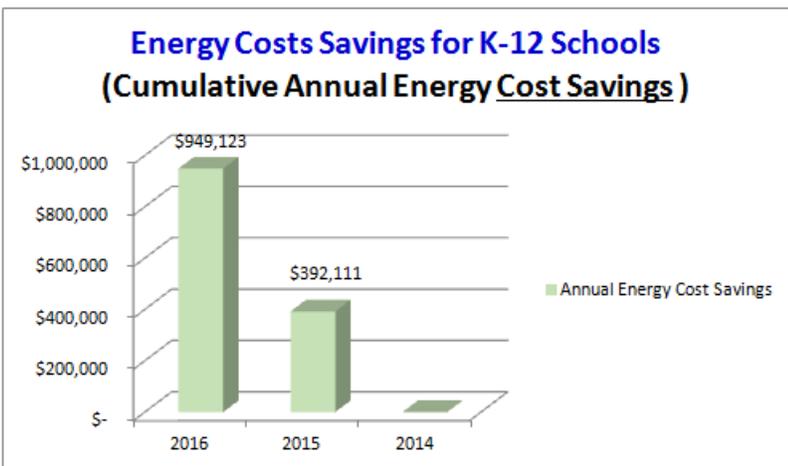
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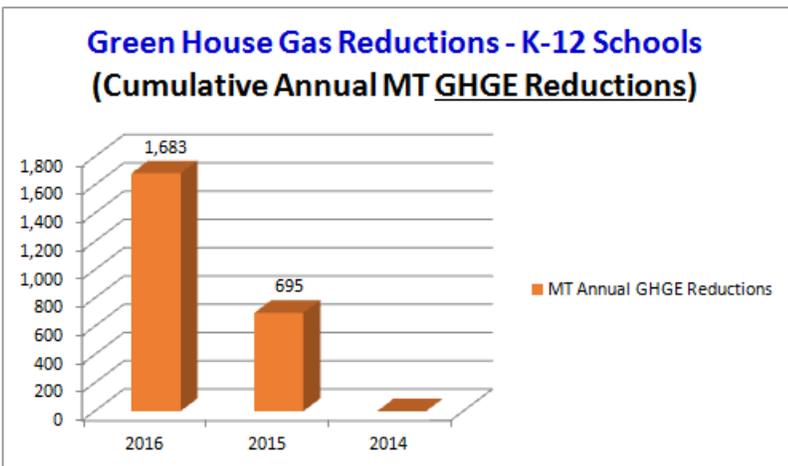
**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
9 February 2017**



**Energy Savings** – Starting in mid 2015, the CCC’s Energy Corps Corpsmembers and Staff began performing the installation of EE Lighting and Controls Retrofits for K-12 Schools. The installation labor costs of these Lighting Retrofits were funded from the CCC’s Proposition 39 allocation. The lighting retrofit materials, supplies, and all other costs were funded by the LEA’s Proposition 39 allocation.



**Energy Cost Savings** – Resulting from the direct energy savings created by the CCC’s Energy Corps Corpsmembers and Staff performing the installation of EE Lighting and Controls Retrofits for K-12 Schools, more than **\$949,000** in energy operating cost savings were created for LEAs. These energy cost savings are then available for other LEA purposes annually.



**Green House Gas Emissions** – Resulting from the direct energy savings created by the CCC’s Energy Corps Corpsmembers and Staff performing the installation of EE Lighting and Controls Retrofits for K-12 Schools, more than **1,680** Metric Tons of GHGE have been reduced for LEAs.



# California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

## Proposition 39 LEA's Served By CCC - By County

CCC - P39 LEA's Served By County	
California Counties	# of LEA's Served
Alameda	12
Alpine	1
Amador	1
Butte	9
Calaveras	0
Colusa	0
Contra Costa	5
Del Norte	0
El Dorado	3
Fresno	15
Glenn	0
Humboldt	32
Imperial	7
Inyo	0
Kern	27
Kings	7
Lake	2
Lassen	8
Los Angeles	29
Madera	2
Marin	1
Mariposa	1
Mendocino	12
Merced	3
Modoc	1
Mono	2

Monterey	5
Napa	0
Nevada	9
Orange	13
Placer	9
Plumas	1
Riverside	8
Sacramento	14
San Benito	0
San Bernardino	10
San Diego	38
San Francisco	1
San Joaquin	3
San Luis Obispo	6
San Mateo	0
Santa Barbara	10
Santa Clara	16
Santa Cruz	2
Shasta	19
Sierra	0
Siskiyou	1
Solano	2
Sonoma	14
Stanislaus	9
Sutter	6
Tehama	4
Trinity	2
Tulare	11
Tuolumne	1
Ventura	5
Yolo	2
Yuba	9
<b>Total</b>	<b>410</b>

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

Monterey	0
Napa	0
Nevada	3
Orange	2
Placer	3
Plumas	0
Riverside	1
Sacramento	0
San Benito	2
San Bernardino	5
San Diego	0
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	2
Sutter	0
Tehama	1
Trinity	0
Tulare	0
Tuolumne	0
Ventura	0
Yolo	0
Yuba	1
<b>Total</b>	<b>41</b>

The CCC has provided Proposition 39 Funded Energy Opportunity Surveys and EE Lighting and Controls Retrofit Installation services LEAs located throughout California. To date, the CCC has provided these services in **50** of California's **58** Counties.

These tables identify the number of LEAs to date within each California County that have received Proposition 39 Funded Energy Opportunity Surveys and/or EE Lighting and Controls Retrofit Installation services.

To date, the CCC has provided LEAs in these **50** Counties with:

**1,258 Energy Opportunity Surveys**, consisting of **12,653** School and other District Buildings, comprising **69.670** Million Square Feet of building Space.

**79 EE Lighting and Controls Retrofit Installation projects**, consisting of **115,222** Lighting Fixture replacements, and **8,583** Lighting Controls.



## California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 9 February 2017

**Training for Energy Conservation Services** – The CCC’s Energy Corps and its partners have developed training curriculum and Survey software systems and tools needed to provide energy industry training for CCC Corpsmembers and Staff in both traditional classroom based learning environments, and an extensive continuum of on-the-job work\learn experience for both Energy Opportunity Surveys and EE Lighting and Controls Retrofit Installations. To date, the CCC has trained **553** CCC Corpsmembers and **37** Staff to perform Energy Opportunity Surveys, along with **301** Corpsmembers and **22** CCC Staff to perform EE Lighting and Controls Retrofit Installations.

**Valuable Energy USE Database for K-12 Schools** – To date, the CCC has completed highly detailed ‘whole building’ inventory and energy use data collection for **12,653** School and other School District Buildings in California, comprising **69.670** Million Square Feet of conditioned building Space. The data for each of these buildings has also been analyzed by the CCC’s Energy Corps expert energy industry partners, with the results reported back to each LEA recipient.

This data represents one of the largest, most detailed, comprehensive in scope, and ‘current’ energy use and performance data sets available for any category of commercial class buildings (Schools and School District Buildings). It is also available in a consistent format produced by the CCC that could be loaded into a variety of databases and ‘data mined’ for various energy efficiency purposes. In addition to serving the needs of the LEAs regarding their Proposition 39 Energy Efficiency Plans (EEP), going forward, the potential use of this data can help inform various energy efficiency policy decisions and assist in prioritizing the types and availability EE incentives that would be most appropriate and effective for this energy market sector.

**Energy Industry Employment of Energy Corps Corpsmembers** – To date, there have been **49** Energy Corpsmembers (as reported) who have been hired directly away from the CCC into various energy industry companies before their planned tenure with the CCC ended, and another **52** Energy Corps Corpsmembers who have been directly hired away from the CCC by other companies. The CCC has received many requests from energy industry companies seeking well trained and qualified entry level employees. The performance of CCC Corpsmembers working with energy companies on CCC EE projects has been very positively received, resulting in Energy Corpsmembers being awarded scholarships from energy industry companies that have worked directly with the Corpsmembers, and directly observed their work quality, performance, and personal initiative.

