



## **California Conservation Corps**

### **2017 Annual Report to the Proposition 39 Citizens Oversight Board**

**14 March 2018**



**California Conservation Corps  
Annual Report to the Proposition 39 Citizens Oversight Board  
14 March 2018**



**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 41 years of conservation work directly benefiting the citizens of California, and have trained more than 120,000 young adults as CCC Corpsmembers. The CCC also has more than 32 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 Energy Corps Corpsmembers ('Corpsmembers') and Staff are trained by the CCC's professional staff, Community College and University Partners, and other Energy Corps Partners (energy industry experts) to become capable, efficient, and highly effective, and substantially experienced individuals performing a variety of EE and RE projects throughout the State on a highly cost effective basis.

**Cooperative Energy Industry Partnerships** – The CCC's Energy Corps is all about developing partnerships with Sponsors, Clients, and Energy Industry expert program Partners to establish energy conservation workforce development projects and program opportunities that provide highly relevant and extensive energy industry training & work experience opportunities for Corpsmembers, as well as creating energy conservation savings and Green House Gas Emissions ('GHGE') reductions that benefit K12 Schools as recipients of these services, and the Citizens of California in general.

**Innovative Energy Corps Program Designs** – The CCC works with Energy Corps partners and sponsors to create new, innovative, and cooperative EE and RE workforce development Programs and Projects that directly engage Corpsmembers in saving energy, reducing energy demand and use, energy operating costs, substantially improving the operational and learning environments within K-12 LEA Schools for Students and Staff, and reducing GHGE. All of which creates multiple 'pathways' for CCC Corpsmembers to energy industry Employers and job opportunities.

**Energy Industry Services** – The CCC's Energy Corps provides Proposition 39 Funded energy conservation services extensively to K-12 LEAs throughout California, as well as reimbursement contract funded EE conservation work with Energy Industry partnering Companies (contractors, ESCOs, 3<sup>rd</sup> party EE companies, etc.), Investor Owned and Municipal owned Utilities, State Agencies, non-profit organizations, and others.

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

**CCC Energy Centers** – In 2017 four (4) of the 26 CCC operating centers were dedicated "Energy Centers" (located in Sacramento, San Jose, Norwalk, and Vista), and one (1) CCC Center (Fresno) that provided both Energy Corps crews and Natural Resource Conservation Crews. Currently, the CCC operates and deploys ten (10) Proposition 39 funded Energy Corps Crews and four (4) reimbursement contract funded crews from these 4 CCC Centers. Collectively, these Energy Corps crews provide energy conservation project and program services that conserve energy, reduce energy costs, and reduce GHGE throughout the State.



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**CCC & 'Local Conservation Corps'** – In addition to the 26 CCC Centers located Statewide, 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 have the ability to 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.



The map to the left shows the 2017 locations of the 4 dedicated CCC “Energy Centers” (Sacramento, Norwalk & Vista), the 1 CCC Center (Fresno) that provides both Energy Corps crews and Natural Resource Conservation Crews (identified by the yellow ‘lightning bolts’), as well as all of the CCC’s 26 operating locations, and the locations of the 14 Local Conservation Corps throughout California.





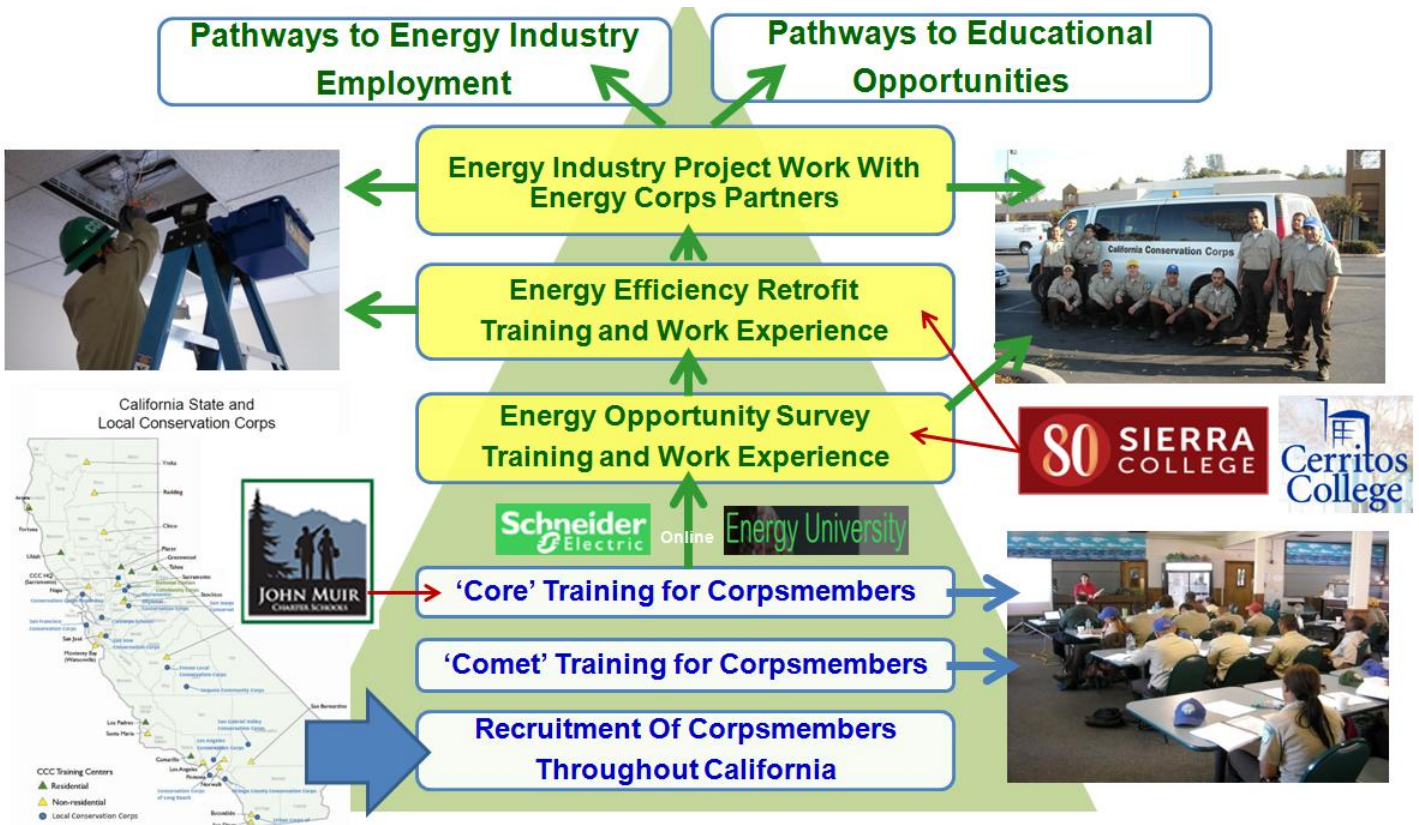
**About the CCC's Proposition 39 Funded Energy Corps Services:**

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

**Create Multiple Energy Job Opportunity Pathways** – Developing innovative energy conservation partnerships with energy industry companies and organizations that create and encourage multiple employment opportunity 'pathways' for CCC Energy Corps Corpsmembers ('Corpsmembers') interested in pursuing careers within the energy industry.

**Provide Relevant Energy Industry Training & Work Experience** – Classroom and lab based energy industry training (procedures, tools, process, standards, etc.) and a continuum of extensive 'on-the-job' training and work experience are provided for all Energy Corps Corpsmembers by energy industry companies, Colleges, and Energy Corps Partners. Corpsmembers are young adults from 18 to 25, and recently returned veterans to 29.

As illustrated in the diagram below, after joining the CCC all Corpsmembers receive their initial CCC 'COMET' and 'CORE' training. Corpsmembers then receive energy industry specific formal classroom and lab based training(s) to perform Energy Opportunity Surveys (ASHRAE Level II compliant Energy Audits) and for the installation of Energy Efficiency Retrofits. Upon successful completion of their energy industry training, Corpsmembers receive extensive on-the-job training and work experience 'in the field' working on energy conservation projects for K-12 Schools that are delivered either directly by the CCC to LEA clients, or through project work performed with Energy Corps partners and energy industry experts working with LEAs.

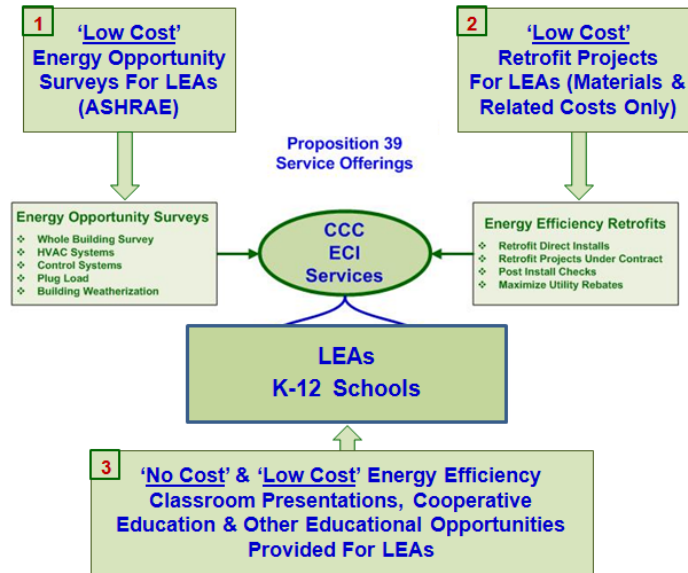




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**Save Energy, Reduce Costs, & Improve Learning Environment for K-12 Schools** – The CCC provides a variety of important and much needed Proposition 39 funded energy industry conservation services to K-12 LEAs located throughout California. Beginning with “whole building” ASHRAE compliant Energy Opportunity Surveys, the CCC’s energy conservation services identify energy conservation opportunities, followed by EE retrofit installation services that provide improved energy efficiency solutions for K-12 LEAs throughout California:



**Provide Pathways to Energy Industry Jobs** – The CCC’s Energy Corps is actively developing the ‘next generation’ of energy industry workers by providing energy industry training and extensive work experience for Corpsmembers. This approach to energy industry workforce development is helping to transform the market for ‘entry level’ energy industry jobs, at a time when the energy industry is having great difficulty in finding enough qualified employees with relevant energy industry work experience to fill their thousands of vacant entry level positions:

**Energy Industry Employment Opportunities:**

- The Energy Industry Needs Many New Employees with Energy Efficiency Audit & Retrofit Training
- Current Energy Industry Employees are Retiring in record numbers
- Demand for Energy Use & Efficiency Increasing
- Current Trained Energy Industry Workforce Can Not Meet Demand for Energy Industry Growth

**Energy Corps trained Corpsmembers are part of the Solution for the Energy Industry !**

**Energy Corps Trains For All 'Levels'**

**4**

**Perspectives from the Energy Industry ...**

**Energy Industry Rife With Opportunities But Labors To Find Skilled Workforce** **1**

**Magnitude of the Talent Shortage** **2**

- Available jobs expected to double from 1.7 million to 3 million
- 72 % of energy executives believe the ability to attract quality candidates to the energy industry will have a significant impact on North American competitiveness in the decades to come
- 58% of executives say their company “struggles to find the talent it needs.”
- 74% say the problem will get worse in the next five years.
- 66% of employers say they expect the number of energy industry jobs to increase in the next five years

**3**

**Excellent Paying Jobs!**

**ANNUAL SALARY US Energy Auditors**

Energy Auditor Salary Ranges

**5**

1, 2, 3, 4: Source: [http://www.manpower.us/Website-File/Webinar-Recordings/Manpower/Energy-Webinar-Presentation\\_061114](http://www.manpower.us/Website-File/Webinar-Recordings/Manpower/Energy-Webinar-Presentation_061114)

5 Source: <https://www.recruiter.com/salaries/energy-auditors-salary/>



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**CCC Proposition 39 Allocations:** - Over a period of five (5) Fiscal Years, the CCC has been allocated a total of **\$26.889** million dollars to provide energy conservation services for K-12 LEAs and prepare Corpsmembers for energy industry job opportunities throughout California

| CCC Proposition 39 Funding Allocations - In Thousands |          |          |          |          |
|---|----------|----------|----------|----------|
| FY 17-18  | FY 16-17 | FY 15-16 | FY 14-15 | FY 13-14 |
| \$ 5,816  | \$ 5,660 | \$ 5,406 | \$ 5,000 | \$ 5,007 |

**'Low Cost' Energy Opportunity Surveys** – Since December of 2013, the CCC has performed ASHRAE Level II compliant (energy industry standard), whole building “Energy Opportunity Surveys” (energy audits) for more than **1,300** Schools located in **439** LEA districts, consisting of more than **13,800** school buildings that total more than **79** 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 Energy Corps Corpsmembers (paid for by the CCC’s Proposition 39 allocation) for all building envelope, energy sub-systems, O&M practices, plug loads, and the detailed physical inventory and site information necessary to identify, calculate, and recommend available energy savings opportunities, recommended “O&M best practices”, and how to make the best use of any locally available EE incentive programs.

Once the data has been collected and processed by the Energy Corps, it is then provided to the LEA and their energy efficiency partner (if any), or to a qualified and ‘low cost’ CCC Energy Corps Partner to perform the detailed data analysis, modeling, retrofit and O&M best practices recommendations (prepared as an ‘Energy Opportunity Survey Report’ for the LEA). In addition to the CCC’s Survey Report, the LEA also receives the completed CEC Proposition 39 calculator required for submission with the LEA’s Energy Efficiency Plan (‘EEP’) to the CEC.

The CCC’s Energy Opportunity Surveys are the foundation of information upon which the most effective use of any energy efficiency project funds can best be determined, prioritized, and sequenced. The following is a summary of the cumulative CCC Energy Opportunity Surveys provided to K-12 LEAs from July 2013 through December 2017:

| Proposition 39 Funded Energy Opportunity Surveys |           |
|--|-----------|
|  | "To Date" |
| Total LEAs Requesting Services                   | 439       |
| Total Number of Project Sites                    | 1,429     |
| Total Number of Completed Projects               | 1,420     |

| Totals by Calendar Years |      |      |      |      |
|--------------------------|------|------|------|------|
| 2017                     | 2016 | 2015 | 2014 | 2013 |
| 7                        | 32   | 25   | 246  | 129  |
| 92                       | 192  | 161  | 979  | 5    |
| 83                       | 192  | 161  | 979  | 5    |

|                                 |            |
|---------------------------------|------------|
| Total Energy Surveys Completed  | 1,327      |
| Total Buildings Surveyed        | 13,822     |
| Total Square Footage Surveyed   | 79,002,745 |
| LEAs Surveyed - Total           | 415        |
| LEAs Surveyed - Over 5,000 ADA  | 81         |
| LEAs Surveyed - Under 5,000 ADA | 334        |
| LEAs Surveyed - Over 50% FRPM   | 265        |

|           |           |           |            |         |
|-----------|-----------|-----------|------------|---------|
| 69        | 156       | 134       | 963        | 5       |
| 1,169     | 1,532     | 1,397     | 9,677      | 47      |
| 9,331,848 | 6,563,081 | 9,115,576 | 53,773,464 | 218,776 |
| 7         | 16        | 19        | 244        | 129     |
| 2         | 5         | 7         | 41         | 26      |
| 5         | 11        | 12        | 203        | 103     |
| 4         | 11        | 15        | 163        | 72      |

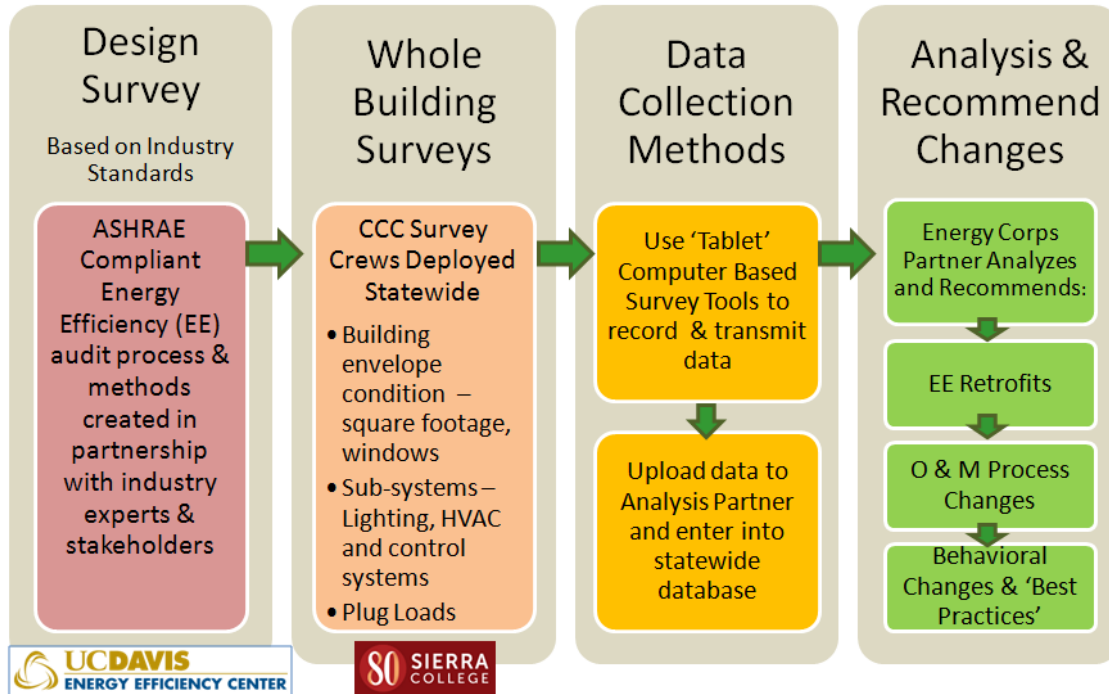
**Note 1:** Although the CCC provides its Proposition 39 funded energy industry services to all LEAs that request assistance based upon the sequence of receiving their requests, additional scheduling preference for the provision of these services is provided by the CCC for K-12 LEAs with ADA levels of 5,000 or less, and LEAs with FRPM qualification levels of **50%** of ADA or greater.

**Note 2:** **80%** of all Surveys provided to LEAs have had ADA levels of **5,000** or less, while **64%** of all Surveys for LEAs have had FRPM qualification levels of **50%** or greater.



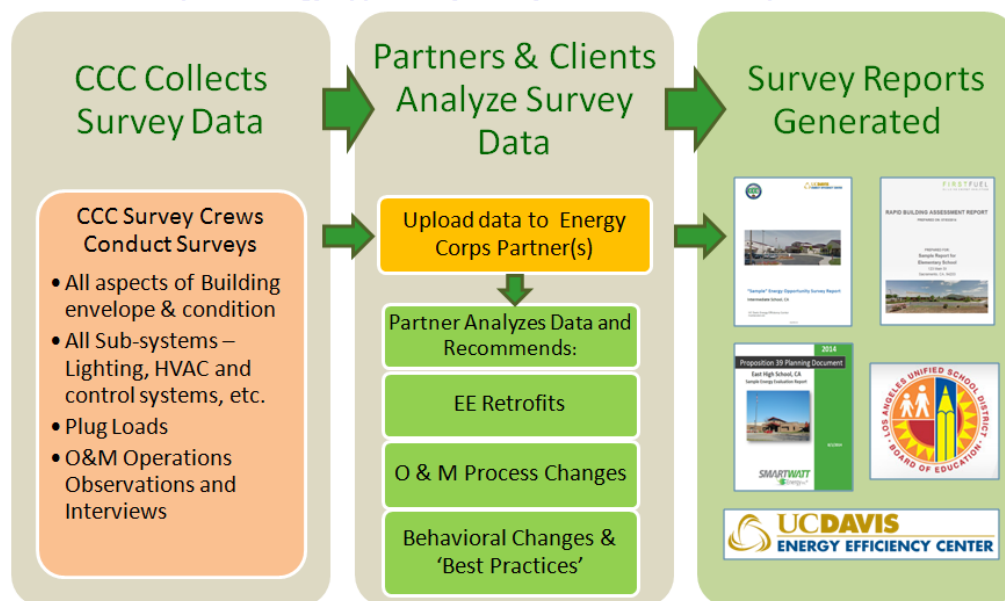
**CCC Energy Opportunity Survey Design:** The following diagram illustrates the processes by which the CCC’s industry standard (ASHRAE compliant) Energy Opportunity Surveys were designed and implemented by the CCC and its Energy Corps partners:

*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 (data analysis):

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





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**EE Retrofit Installation** – Starting in mid 2015, the CCC’s Energy Corps began providing Proposition 39 funded EE Lighting Retrofit Installation labor services for LEAs throughout the State. The CCC performs the installation labor (at no cost to LEAs) for ‘low cost’ installation of Energy Efficiency Lighting Retrofits and Lighting Controls for K-12 Schools that generate immediate, substantial, and sustainable energy and cost savings for LEAs. Since that time the CCC has completed **93** EE Lighting Retrofit Installation Projects for LEAs statewide; consisting of more than **124,000** lighting fixture replacements and lamp upgrades, and the installation of more than **8,500** Lighting Controls retrofits. Equally important, these EE Lighting Retrofit Installations performed by the CCC also improve the quality of the lighting in classrooms and other areas of the Schools, improving the learning environment for both students and staff.

The retrofit installation labor performed by the CCC’s Proposition 39 funded Energy Corps Corpsmembers has already produced an annual savings of more than **7.5 Million kWh** (on a sustainable basis), a reduction of more than **1,800 Metric tons** annually in Green House Gas Emissions (‘GHGE’), and a savings of more than **\$1.26 Million** in energy specific operating costs for the LEAs receiving these CCC energy industry services. The status of the CCC’s Proposition 39 funded EE Retrofit Installation services provided through the end of 2017 is as follows:

| Proposition 39 Funded EE Retrofit Installations |           |
|---|-----------|
|   | "To Date" |
| Total LEAs Requesting Services                  | 439       |
| Total Number of Project Sites                   | 1,429     |
| Total Number of Completed Projects              | 1,420     |

| Totals by Calendar Years |      |      |      |      |
|--------------------------|------|------|------|------|
| 2017                     | 2016 | 2015 | 2014 | 2013 |
| 7                        | 32   | 25   | 246  | 129  |
| 92                       | 192  | 161  | 979  | 5    |
| 83                       | 192  | 161  | 979  | 5    |

|                                       |           |
|---------------------------------------|-----------|
| Total Retrofit Projects Completed     | 93        |
| Total Number of Lighting Retrofits    | 124,005   |
| Total Number of Controls Retrofits    | 8,583     |
| Estimated kWh Reduction Per Year      | 7,599,438 |
| Estimated CO2 Reduction (Metric Tons) | 1,807     |
| Total LEAs Retrofitted - Total        | 54        |
| LEAs Retrofitted Over 5,000 ADA       | 21        |
| LEAs Retrofitted Under 5,000 ADA      | 33        |
| LEAs Retrofitted Over 50% FRPM        | 29        |

|         |           |           |    |   |
|---------|-----------|-----------|----|---|
| 14      | 36        | 27        | 16 | 0 |
| 8,783   | 78,696    | 36,526    | 0  | 0 |
| 0       | 4,693     | 3,890     | 0  | 0 |
| 521,710 | 4,153,706 | 2,924,022 | 0  | 0 |
| 124     | 988       | 695       | 0  | 0 |
| 14      | 17        | 9         | 14 | 0 |
| 6       | 6         | 4         | 5  | 0 |
| 8       | 11        | 5         | 9  | 0 |
| 7       | 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.

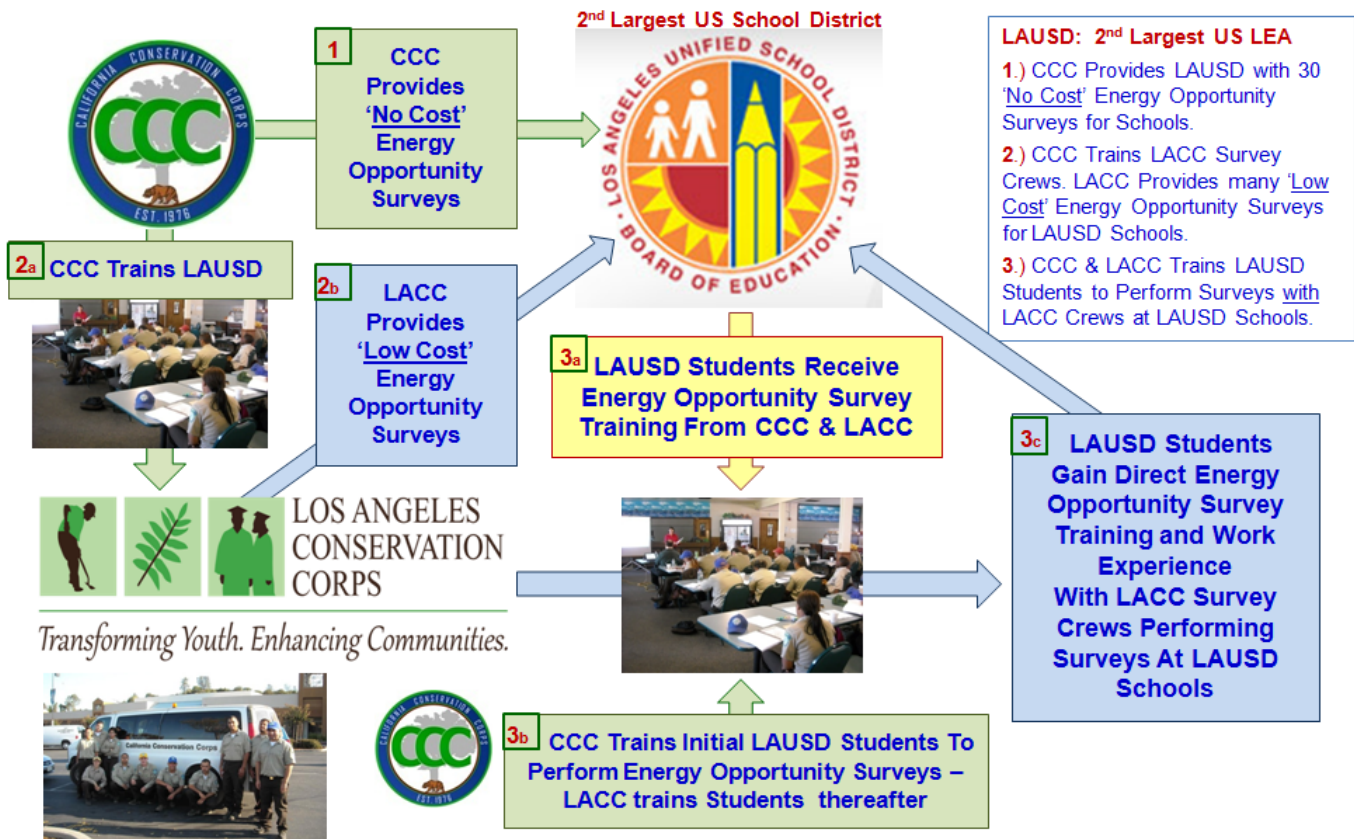
**Note 2:** 61% of all EE Lighting and Lighting Controls Retrofit Installations provided to K-12 LEAs have had ADA levels of 5,000 or less. 54% of all EE Lighting Retrofit and Lighting Controls Retrofit Installations for LEAs have had FRPM qualification levels of 50% or greater.





**Energy Conservation Education** - The CCC's Proposition 39 funded Energy Corps provide K-12 LEAs with several types of opportunities for educational engagements regarding energy conservation. These range from classroom presentations by the CCC on EE and RE topics and the Survey and Retrofit work being performed by the CCC at K-12 Schools, to much more advanced educational projects or programs. In such cases the CCC, K-12 LEA, and a Local Corps may work together to promote educational opportunities for high school students to be trained to become energy auditors, and then have the opportunity practice these skills extensively to gain valuable work experience that benefits the student, their School District, potential employers, and their communities. These educational programs can result in substantial energy savings and operating cost reductions, create pathways for students interested in energy industry employment after they graduate, and promotes continuing education goals.

A recent example of the CCC working with a K-12 LEA to create this type of cooperative energy educational engagement is illustrated below, showing the way in which the CCC, Los Angeles Unified School District ('LAUSD'), and the Los Angeles Conservation Corps ('LACC') work together to develop and implement the LAUSD's new Student Energy Auditor Training ('SEAT') program for high school students:





## CCC Proposition 39 Energy Industry Service Requests from LEAs:

**Requests for Energy Opportunity Surveys from LEAs** – In August of 2013 the CCC announced to all K-12 LEAs the availability of CCC Proposition 39 funded Energy Opportunity Surveys. LEAs were encouraged to apply for the CCC's Energy Opportunity Surveys by submitting a simple application form 'on-line' through the CCC's website, wherein the LEA identified the number of school and district buildings (and associated square feet) that they were requesting to be Surveyed by the CCC. This resulted in an initial response of more than **350** LEAs (approximately **17%** of the 2,000+ LEAs in California) requesting that the CCC 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 exceptionally large volume of these initial requests for Surveys that the CCC received, in June of 2014 the CCC temporarily 'paused' the Survey application acceptance process from K-12 LEAs. Acceptance of Survey applications by the CCC from LEAs was resumed again in Q1 of 2016.

From July 2013 through the end of 2017, the CCC completed **1,327** Energy Opportunity Surveys of Schools (totaling **13,822** buildings) for **415** K-12 LEAs throughout California (approximately **20%** of the 2,000+ LEAs in California). Many of the **415** LEAs receiving Energy Opportunity Surveys from the CCC have not yet received Surveys for all of their schools 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' and allocate the available supply and scheduling of Survey resources so that a larger number of LEAs could receive at least 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 then attempt to provide additional Surveys over time to the larger number of K-12 LEA applicants. Given that 4.5 years have now transpired since the original applications from LEAs for Energy Opportunity Surveys were received by the CCC, it is not clear how many of these original Survey requests from LEAs are still unfulfilled by other energy industry service providers (regardless of funding sources).

Approximately **80%** of all K-12 LEAs have not yet received Energy Opportunity Surveys from the CCC for their Schools (and other LEA District Buildings). Many of these LEAs may have contracted with energy industry providers for energy audits for some or all of their district buildings. Many of these LEA district schools and buildings have not yet received any energy audits or surveys 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 Retrofit Installation services. As per the CCC's original plan for the use of Proposition 39 funds in service to K-12 LEAs (Energy Opportunity Surveys followed by EE Retrofit Installations), the majority of the work performed by the CCC's ten (10) Proposition 39 funded Energy Corps crews changed from Energy Opportunity Surveys to the Installation of EE Retrofits. This change also greatly increased the amount of direct CCC contributions to K-12 LEA energy saved (kWh), reduction of energy costs, and the reduction of GHGE. There are now an average of seven (7) CCC Energy Corps crews performing EE Lighting and Controls Installation services.

**Green House Gas Reductions:** Since mid 2015 through the end of 2017, the CCC's Energy Corps crews performing EE Lighting and Controls Retrofit Installations have resulted in more than **7.59 Million kWh** saved annually (on a sustainable basis), a reduction of more than **1,800 Metric Tons** annually in Green House Gas Emissions ("GHGE"), a savings of more than



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**\$1,025,000** in annual energy operating costs for the LEAs receiving these CCC energy industry services, and a very substantial savings of EE Retrofit Installations costs for LEAs. From July 2013 through the end of 2017, the CCC has performed **93** EE Lighting and Controls Retrofits Installation projects for a small percentage (**4.4%**) of the many LEAs needing these services. These Retrofit Installation projects take a much longer time period to perform by the CCC than Surveys, but they are of very substantial direct benefit to the LEA recipients in terms of reducing energy use and energy costs.

The CCC has not directly notified all of the 2,000+ K-12 LEAs of the availability of these Proposition 39 funded EE Lighting and Controls Retrofit Installation services. Nor has the CCC requested directly that K-12 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). Knowing that the supply of Retrofit Installation Services would be limited, the CCC announced the availability of these Retrofit Installation services at many speaking engagements throughout the State to LEAs over the past three (3) years.

It is clear from the energy conservation work performed by the CCC that the ongoing demand for the CCC's Proposition 39 funded EE Lighting and Controls Retrofit Installation services is very large, statewide, and the results are highly beneficial for K-12 LEA recipients.

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

**Training for Energy Conservation Services** – The CCC's Energy Corps and its partners have developed training curriculum, survey data collection software systems, and the tools needed to provide efficient energy industry training for CCC Corpsmembers and Staff for use in traditional classroom & lab based learning environments, and also an extensive continuum of 'on-the-job' work/learn experience for both Energy Opportunity Surveys and EE Lighting and Controls Retrofit Installations. From July 2013 through the end of 2017, the CCC has trained **708** individual CCC Corpsmembers and **48** CCC Staff to perform Energy Opportunity Surveys. In addition, **408** of the Corpsmembers and **22** of the CCC Staff receiving Survey training have also been trained to perform EE Lighting and Controls Retrofit Installations. The following table provides details of the Proposition 39 funded training for CCC Corpsmembers and Staff:

**Training for CCC Corpsmembers and Staff - Funded by Proposition 39**

| Training Totals                      |               |        | Totals By Calendar Years   |               |            |               |            |               |            |               |            |               |
|--------------------------------------|---------------|--------|--|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
|                                      |               |        | 2017   |               | 2016       |               | 2015       |               | 2014       |               | 2013       |               |
| CCC Corpsmembers                     | Trainees      | Hours  | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         |
| EO Survey Training                   | 708           | 32,592 | 155  | 6,200         | 104        | 4,240         | 177        | 7,272         | 143        | 6,624         | 129        | 8,256         |
| OSHA 10/30 Training                  | 458           | 3,995  | 113  | 1,115         | 70         | 640           | 95         | 880           | 123        | 930           | 57         | 430           |
| Retrofit Training                    | 408           | 32,649 | 107  | 8,560         | 69         | 5,529         | 88         | 7,040         | 101        | 8,080         | 43         | 3,440         |
| Presentation Training                | 90            | 450    | 0  | 0             | 0          | 0             | 0          | 90            | 450        | 0             | 0          | 0             |
| Energy University Courses            | 248           | 1,688  | 32   | 64            | 36         | 132           | 56         | 475           | 36         | 297           | 88         | 720           |
| <b>Corpsmember Hours Trained</b>     | <b>71,374</b> |        | <b>155</b>   | <b>15,939</b> | <b>104</b> | <b>10,541</b> | <b>177</b> | <b>15,667</b> | <b>143</b> | <b>16,381</b> | <b>129</b> | <b>12,846</b> |
| CCC Staff                            | Trainees      | Hours  | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         | Trainees   | Hours         |
| Initial EO Survey Training           | 48            | 2,788  | 11   | 756           | 2          | 80            | 9          | 488           | 18         | 952           | 8          | 512           |
| OSHA 10/30                           | 31            | 250    | 6  | 40            | 2          | 20            | 3          | 30            | 16         | 130           | 4          | 30            |
| Retrofit Training                    | 24            | 1,920  | 2  | 160           | 2          | 160           | 3          | 240           | 14         | 1,120         | 3          | 240           |
| Presentation Training                | 2             | 10     | 1  | 5             | 0          | 0             | 0          | 0             | 1          | 5             | 0          | 0             |
| Energy University Courses            | 9             | 24     | 5  | 9             | 1          | 3             | 2          | 6             | 0          | 0             | 1          | 3             |
| <b>Staff Hours Trained</b>           | <b>4,989</b>  |        | <b>25</b>  | <b>970</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>    |
| <b>Total CMs &amp; Staff Trained</b> | <b>756</b>    |        | Total number of individual Corpsmembers and Staff trained - many of whom receive two or more types of training |               |            |               |            |               |            |               |            |               |
| <b>Total Training Hours</b>          | <b>76,363</b> |        | Total number of training hours received by all Corpsmembers and Staff trained - for several types of training  |               |            |               |            |               |            |               |            |               |



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**Recruitment, Training & Deployment Locations - CCC Corpsmembers & Staff** – Starting in July of 2013 and continuing through the end of 2017, the CCC recruited, trained, and deployed **708** Corpsmembers and **48** Staff that provided Proposition 39 funded Energy Corps energy services to K-12 LEAs located throughout California.

Recruitment and deployment of CCC Energy Corps Corpsmembers and Staff occurred throughout California. The following table identifies the **11** CCC Centers which recruited and deployed Corpsmembers and Staff between July of 2013 and the end of 2017, the number of Corpsmembers and Staff recruited and deployed at each of these 11 Centers from which these services were provided, and the areas from which these Corpsmembers and Staff were recruited to provide Proposition 39 funded energy services to K-12 LEAs located throughout California:

| <b>Recruitment &amp; Deployment Locations - CCC Proposition 39 Funded Corpsmembers &amp; Staff</b> |                                 |                     |                  |  |
|--|---------------------------------|---------------------|------------------|--|
|  | <b>CCC Centers - Deployment</b> | <b>Corpsmembers</b> | <b>CCC Staff</b> | <b>CCC Recruitment Draw Areas</b>  |
| <b>1</b>   | <b>Redding</b>                  | <b>44</b>           | <b>3</b>         | Redding, Shasta, Shasta Lake, Shasta County  |
| <b>2</b>   | <b>Fortuna</b>                  | <b>15</b>           | <b>1</b>         | Fortuna, Humboldt County & Statewide (CCC Residential Center)  |
| <b>3</b>   | <b>Napa</b>                     | <b>38</b>           | <b>4</b>         | Napa, Oak Knoll, Middletown, Sonoma, Cordelia, Fairfield, Lake County, Sonoma County, Solana County, Napa County           |
| <b>4</b>   | <b>Sacramento</b>               | <b>114</b>          | <b>10</b>        | Sacramento, Notomas, South Sacramento, Arden, Sacramento County  |
| <b>5</b>   | <b>Placer</b>                   | <b>65</b>           | <b>5</b>         | Auburn, Placer County & Statewide (CCC Residential Center)   |
| <b>6</b>   | <b>San Jose</b>                 | <b>49</b>           | <b>5</b>         | San Jose, East San Jose, Milpitas, Buena Vista, Alum Rock, North Valley, Santa Teresa, Santa Clara County                  |
| <b>7</b>   | <b>Los Padres</b>               | <b>22</b>           | <b>1</b>         | Los Padres, San Luis Obispo County & Statewide (CCC Residential Facility)  |
| <b>8</b>   | <b>Fresno</b>                   | <b>52</b>           | <b>4</b>         | Fresno, Edison, Roosevelt, Bullard, Clovis, Herndon, Malaga, Easton  |
| <b>9</b>   | <b>Norwalk</b>                  | <b>136</b>          | <b>8</b>         | Norwalk, Sante Fe Springs, Cerritos, Bellflower, Paramount, South Whittier, Bell Gardens, Apollo Park, Compton, South Gate |
| <b>10</b>  | <b>Pomona</b>                   | <b>92</b>           | <b>2</b>         | Pomona, Montclair, Claremont, Ontario, Chino, Narod, La Verne, Upland, & San Bernardino County                             |
| <b>11</b>  | <b>Vista</b>                    | <b>81</b>           | <b>5</b>         | Vista, Oceanside, Carlsbad, Rancho Del Oro, San Marcos, Escondido, North San Diego, & San Diego County                     |
|  | <b>Totals:</b>                  | <b>708</b>          | <b>48</b>        |  |



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**Recruitment, Training & Deployment – Geographic Locations** – As identified in the previous table (above), between July of 2013 and the end of 2017 there were 11 CCC Centers which recruited and deployed Corpsmembers and Staff. The following illustration shows the geographic location of these 11 CCC Centers and the primary areas from which these Corpsmembers and Staff were recruited (red circles) to provide Proposition 39 funded energy services to K-12 LEAs located throughout California:



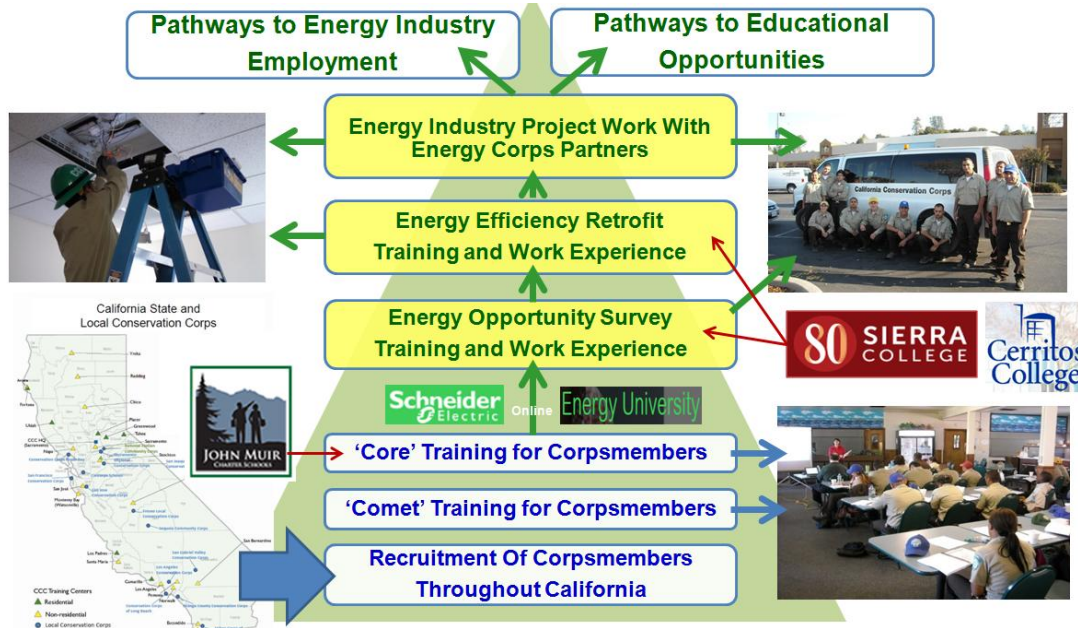
Description: Map locating all 58 counties in California.



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**Multiple Levels and Partners for Energy Industry Workforce Training and Pathways** - As illustrated below, the energy industry and skills training that the CCC provides for all Corpsmembers consists of several progressive ‘tiers’ of training that build competency through extensive training and a continuum of on-the-job work experience:

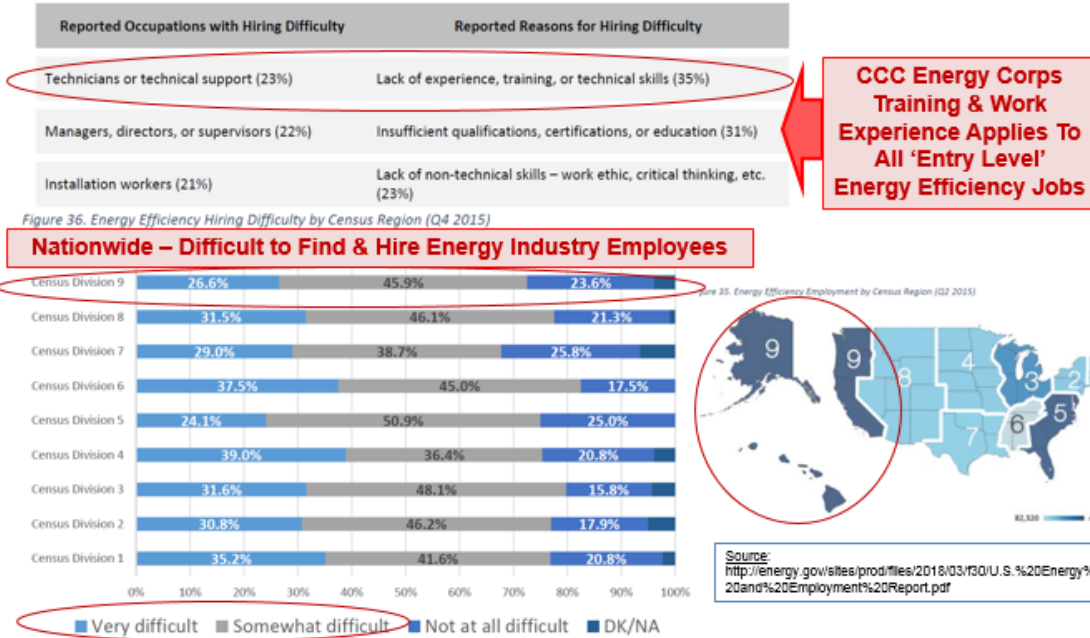


**Recognition of Energy Corpsmembers by Energy Industry Partners:** The results of this extensive energy industry training and work experience have been widely recognized by the Energy Corps’ Partners, Clients and recipients of these energy services. Energy Corps Corpsmembers have received a variety of scholarships, awards and employment offers directly from Energy Corps Partners, an example of which is shown below:





**Energy Industry Employment Pathways for Corpsmembers** - The energy industry nationwide is not able to find and employ sufficient numbers of trained and qualified individuals with relevant work experience to fill either current or planned entry or mid-level job opportunities:



The extensive energy industry training, substantial and relevant work experience, and the proven work ethic that Corpsmembers gain in the CCC's Energy Corps is very well aligned with the needs of energy industry (in all sectors) and other employers for entry level jobs:

**Energy Industry Employment Opportunities:**

- The Energy Industry Needs Many New Employees with Energy Efficiency Audit & Retrofit Training
- Current Energy Industry Employees are Retiring in record numbers
- Demand for Energy Use & Efficiency Increasing
- Current Trained Energy Industry Workforce Can Not Meet Demand for Energy Industry Growth

**Energy Corps trained Corpsmembers are part of the Solution for the Energy Industry !**

**Perspectives from the Energy Industry ...**

**Energy Industry Rife With Opportunities But Labors To Find Skilled Workforce** 1

**Magnitude of the Talent Shortage** 2

- Available jobs expected to double from 1.7 million to 3 million
- 72 % of energy executives believe the ability to attract quality candidates to the energy industry will have a significant impact on North American competitiveness in the decades to come
- 58% of executives say their company "struggles to find the talent it needs."
- 74% say the problem will get worse in the next five years.
- 66% of employers say they expect the number of energy industry jobs to increase in the next five years

**Energy Corps Trains For All 'Levels'**

**Training Components**

- Occupation-Specific Requirements
- Occupation-Specific Technical
- Occupation-Specific Knowledge Areas
- Industry-Specific Technical
- Industry-Wide Technical
- Workplace Requirements
- Academic Requirements
- Personal Effectiveness

Tier 6-8: Job Specific Skills/Credentials (CCC Energy Corps !)

Tier 4-5: Industry Fundamentals (CCC Energy Corps !)

Tier 1-3: Basic Training (CCC Energy Corps !)

Build the talent supply, Develop Future Workforce Capabilities, Find new access to talent supply

1, 2, 3, 4: Source: [http://www.manpower.us/Website-File-Webinar-Recordings/Manpower/Energy-Webinar-Presentation\\_061114](http://www.manpower.us/Website-File-Webinar-Recordings/Manpower/Energy-Webinar-Presentation_061114)





**The most Comprehensive Detailed Energy Data Available for K-12 Schools** – From July of 2013 through the end of 2017, the CCC has completed highly detailed “whole building” Energy Opportunity Surveys that provide energy systems inventory and energy use data collection for **13,822** K-12 LEA School and District buildings throughout California (for **79** Million Square Feet of conditioned building Space). This vast amount of detailed Energy Opportunity Survey data represents one the largest databases for K-12 LEAs currently available (approximately **20%** of all K-12 school buildings in California).

**‘Energy Data’ – Informing Future EE & RE Programs**

**Survey Content:**

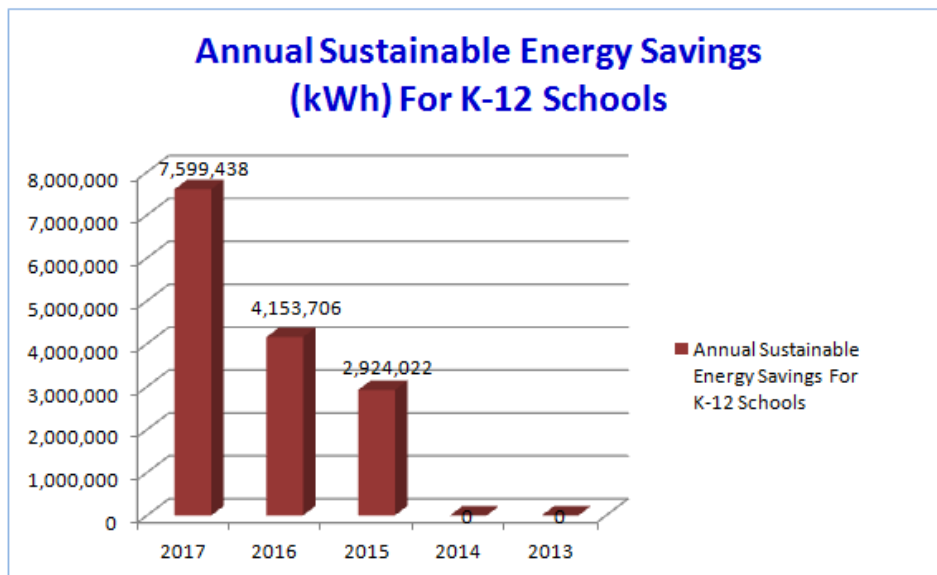
Each CCC “Whole Building” Energy Opportunity Survey includes the following:

**Building ‘Envelope’, Lighting & Control Systems, HVAC, Internal Plug Loads, Integrated Energy Management systems, Fenestration and ‘O&M’ Best Practices.**



**Summary of 2017 Performance:**

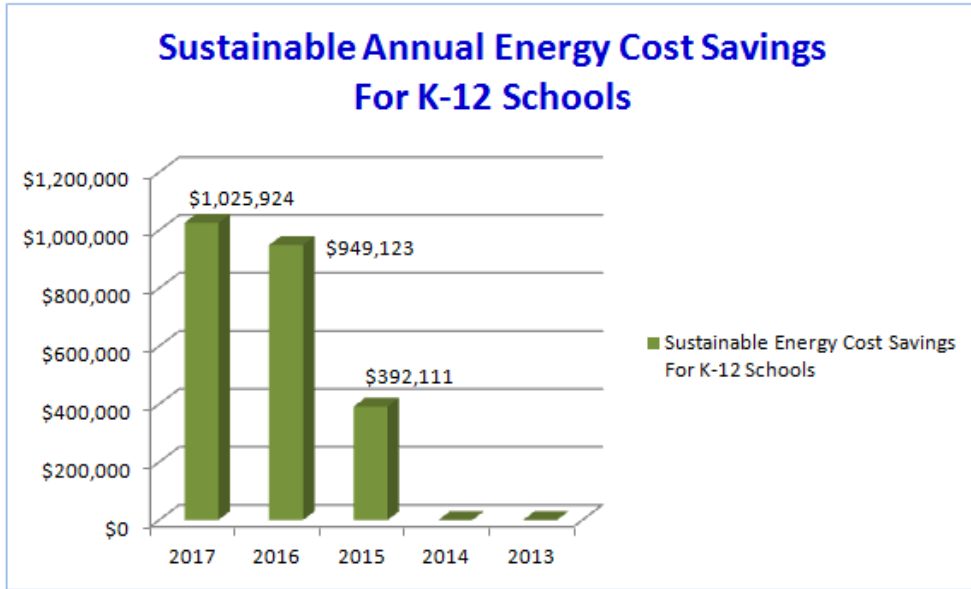
**Energy Savings** – Starting in mid 2015 and through the end of 2017, the CCC’s Energy Corps Corpsmembers and Staff have performed the installation of EE Lighting and Controls Retrofits for K-12 LEA Schools. The installation labor costs of these Lighting Retrofits were funded by the CCC’s Proposition 39 allocation, while the lighting retrofit materials, supplies and all other costs were funded by the K-12 LEA’s. These EE Lighting and Controls Retrofits have resulted in annual and sustainable energy savings for K-12 LEAs are more than **7.599 Million kWh**:



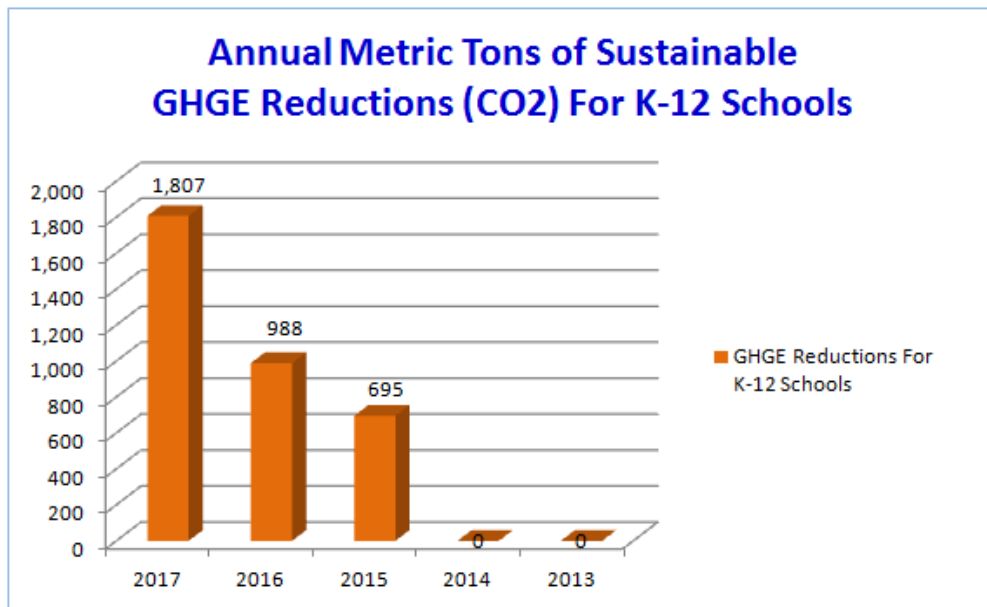




**Energy Cost Savings** – Resulting from the energy savings created directly by the CCC’s Energy Corps Corpsmembers and Staff performing the installation of EE Lighting and Controls Retrofits for K-12 LEA Schools, from July of 2013 through the end of 2017, more than **\$1,025,000** in annual and sustainable energy operating cost savings were created for K-12 LEAs. Upon completion of the Retrofit Installation services, these energy cost savings then became available for other K-12 LEA purposes.

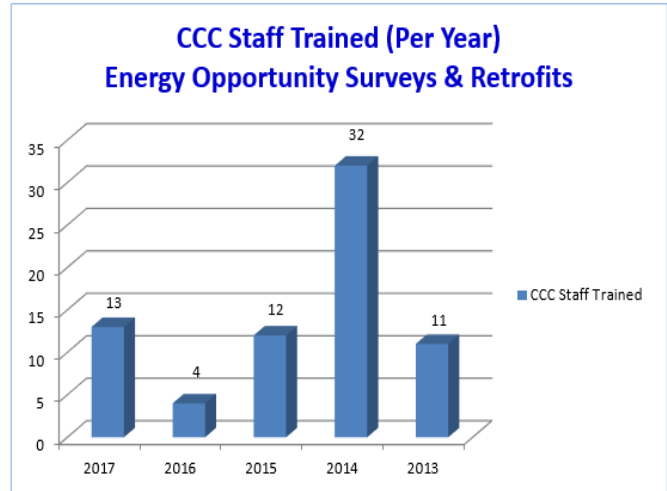
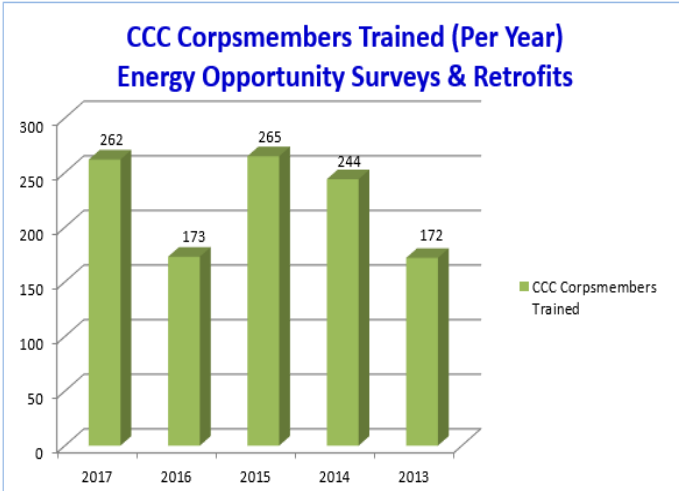


**Green House Gas Emissions** – Resulting from the direct energy savings created by the CCC’s Energy Corps Corpsmembers and Staff performing the installation of EE Lighting and Controls Retrofits for K-12 LEA Schools, from July of 2013 through the end of 2017, more than **1,800 Metric Tons** of annual and sustainable GHGE (CO<sub>2</sub>) have been reduced throughout the State:





**Energy Industry Training for CCC Corpsmembers and Staff** - From July 2013 through the end of 2017, the CCC's Energy Corps and its Partners have trained a total of **708** Corpsmembers and **48** CCC Staff to perform Energy Opportunity Surveys. In addition, **408** of these Corpsmembers and **24** CCC Staff have also been trained to perform EE Lighting and Controls Retrofit Installations:



**Employment Opportunities for Energy Corps Corpsmembers:** - The combination of well trained CCC Energy Corps Corpsmembers that have extensive energy industry work experience, and the difficulty encountered by energy industry employers in finding and employing both entry and mid level employees, has resulted in many CCC Energy Corpsmembers being recruited from the CCC and employed directly by energy industry employers. The CCC relies upon “self reporting” by Corpsmembers upon their leaving the CCC, and has no other way currently to track either the initial or ongoing employment of Corpsmembers that do not self report their status upon leaving the CCC (or thereafter).

The resulting Corpsmember ‘exit data’ regarding their actual or intended employment status is therefore substantially incomplete. Accordingly, from July of 2013 through the end of 2017, there have been **sixty one (61)** Energy Corps Corpsmembers completing their tenure with the CCC that have self reported **accepting employment** offers with employers **within the energy industry**, **fifty nine (59)** Energy Corps Corpsmembers self reporting that they had **accepted employment offers with an unidentified employer** (which may or may not have been employers within the Energy Industry), and **seventy seven (77)** Corpsmembers that **did not self report their actual or intended employment status** at the time that they completed their tenure with the CCC.

**The remainder of FY 17-18: Energy Industry Services Provided to K-12 LEAs**

The CCC's FY 17-18 Proposition 39 funding, and the resulting provision of energy industry services by the CCC's Energy Corps Corpsmembers and Staff for K-12 LEAs, will continue through 30 June 2018. The Energy Corps will continue providing K-12 LEAs located throughout California with EE Lighting and Controls Retrofit Installation services and Energy Opportunity Surveys that collectively identify energy conservation opportunities and sustainably reduce energy consumption, reduce energy operating costs, reduce green house gas emissions (GHGE), improve the learning environment for students and staff, and create energy industry employment pathways leading to job opportunities for CCC Energy Corps Corpsmembers.

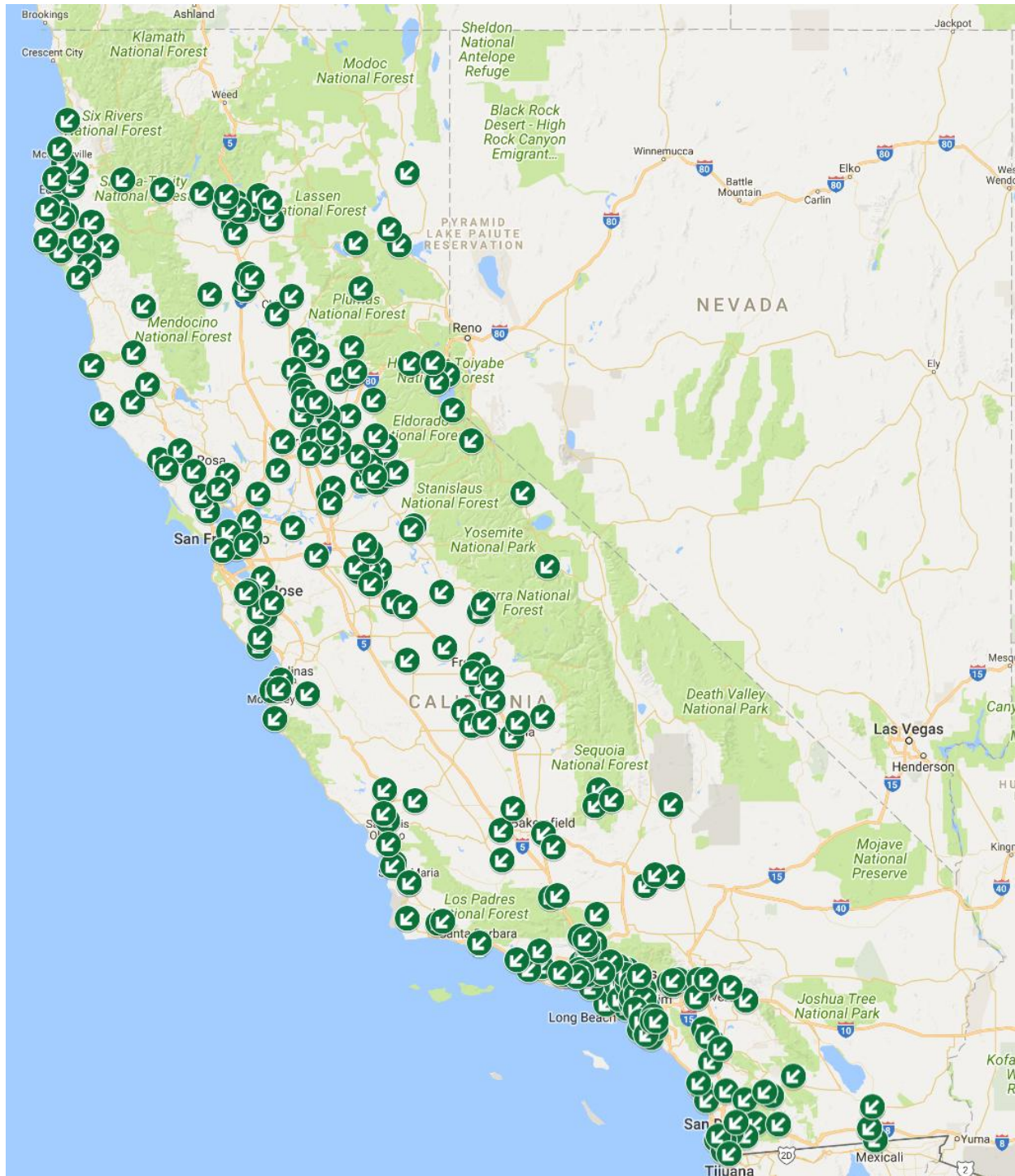


# California Conservation Corps Annual Report to the Proposition 39 Citizens Oversight Board 14 March 2018



## Geographic Distribution of CCC Proposition 39 Funded Energy Conservation Projects:

The map below illustrates the geographic distribution of the locations throughout California in which the **1,452** Proposition 39 funded Energy Conservation Projects (Energy Opportunity Surveys and Energy Efficiency Retrofits) were performed by the CCC's Energy Corps on behalf of K-12 LEAs from July 2013 to the date of this report:





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**Distribution by Counties of CCC  
Proposition 39 Funded Energy  
Conservation Projects:**

**Projects Performed:** From July of 2013 to the date of this report, the CCC's Energy Corps has performed **1,452** Proposition 39 funded Energy Conservation Projects (Energy Opportunity Surveys and Energy Efficiency Retrofits) for K-12 LEAs located throughout the state.

**Counties Served:** The CCC's Energy Corps has performed Proposition 39 funded Energy Conservation Projects in **47** of the 58 Counties (**81%**) in California.

**Municipalities Served:** The CCC's Energy Corps has performed Proposition 39 funded Energy Conservation Projects within **315** of the 482 Municipalities (**65%**) located throughout the state.

**K-12 LEAs Served:** The CCC's Energy Corps has performed Proposition 39 funded Energy Conservation Projects for **413** K-12 LEAs (**20%**) of the more than 2100 K-12 LEAs located throughout the state.

| CCC Seivces<br>by County | Total<br>Projects | Survey<br>Projects | Retrofit<br>Projects | Cities<br>Served |
|--------------------------|-------------------|--------------------|----------------------|------------------|
| Alameda                  | 9                 | 9                  | 0                    | 2                |
| Alpine                   | 2                 | 2                  | 0                    | 1                |
| Amador                   | 11                | 11                 | 0                    | 6                |
| Butte                    | 43                | 32                 | 11                   | 8                |
| Contra Costa             | 39                | 39                 | 0                    | 5                |
| El Dorado                | 12                | 6                  | 6                    | 5                |
| Fresno                   | 83                | 81                 | 2                    | 9                |
| Humboldt                 | 63                | 62                 | 1                    | 22               |
| Imperial                 | 8                 | 7                  | 1                    | 2                |
| Kern                     | 37                | 36                 | 1                    | 12               |
| Kings                    | 8                 | 7                  | 1                    | 5                |
| Lassen                   | 10                | 9                  | 1                    | 4                |
| Los Angeles              | 190               | 184                | 6                    | 47               |
| Madera                   | 14                | 14                 | 0                    | 3                |
| Marin                    | 1                 | 1                  | 0                    | 1                |
| Mariposa                 | 1                 | 1                  | 0                    | 1                |
| Mendocino                | 13                | 13                 | 0                    | 7                |
| Merced                   | 2                 | 2                  | 0                    | 2                |
| Mono                     | 6                 | 6                  | 0                    | 2                |
| Monterey                 | 28                | 27                 | 1                    | 5                |
| Napa                     | 1                 | 0                  | 1                    | 1                |
| Nevada                   | 22                | 19                 | 3                    | 7                |
| Orange                   | 78                | 76                 | 2                    | 15               |
| Placer                   | 33                | 17                 | 16                   | 6                |
| Plumas                   | 5                 | 4                  | 1                    | 2                |
| Riverside                | 54                | 50                 | 4                    | 6                |
| Sacramento               | 78                | 76                 | 2                    | 10               |
| San Bernardino           | 99                | 98                 | 1                    | 13               |
| San Diego                | 179               | 151                | 28                   | 28               |
| San Francisco            | 11                | 11                 | 0                    | 1                |
| San Joaquin              | 5                 | 5                  | 0                    | 2                |
| San Luis Obispo          | 42                | 42                 | 0                    | 8                |
| Santa Barbara            | 15                | 13                 | 2                    | 4                |
| Santa Clara              | 39                | 38                 | 1                    | 6                |
| Santa Cruz               | 10                | 6                  | 4                    | 2                |
| Shasta                   | 47                | 47                 | 0                    | 13               |
| Solano                   | 9                 | 9                  | 0                    | 2                |
| Sonoma                   | 11                | 11                 | 0                    | 6                |
| Stanislaus               | 43                | 40                 | 3                    | 11               |
| Sutter                   | 9                 | 6                  | 3                    | 2                |
| Tehama                   | 6                 | 0                  | 6                    | 3                |
| Trinity                  | 1                 | 1                  | 0                    | 1                |
| Tulare                   | 27                | 27                 | 0                    | 4                |
| Tuolumne                 | 1                 | 1                  | 0                    | 1                |
| Ventura                  | 21                | 21                 | 0                    | 5                |
| Yolo                     | 4                 | 4                  | 0                    | 1                |
| Yuba                     | 22                | 22                 | 0                    | 6                |
| <b>Totals</b>            | <b>1,452</b>      | <b>1,344</b>       | <b>108</b>           | <b>315</b>       |



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| CCC Services    | Total | CA Total | % Served | CCC Projects |           |
|-----------------|-------|----------|----------|--------------|-----------|
|                 |       |          |          | Surveys      | Retrofits |
| Counties Served | 47    | 58       | 81%      | 1,344        | 108       |
| Cities Served   | 315   | 482      | 65%      |              |           |
| LEAs Served     | 413   | 2,100    | 20%      |              |           |

**Distribution by  
Municipalities of CCC  
Proposition 39 Funded  
Energy Conservation  
Projects:**

| Counties     | Cities           | Surveys  | Retrofits |
|--------------|------------------|----------|-----------|
| Alameda      | Fremont          | 1        | 0         |
|              | Oakland          | 8        | 0         |
| Alpine       | Markleeville     | 2        | 0         |
| Amador       | Ione             | 2        | 0         |
|              | Jackson          | 3        | 0         |
|              | Pine Grove       | 1        | 0         |
|              | Pioneer          | 1        | 0         |
|              | Plymouth         | 1        | 0         |
|              | Sutter Creek     | 3        | 0         |
|              | Butte            | Anderson | 0         |
| Bangor       |                  | 1        | 0         |
| Chico        |                  | 4        | 5         |
| Corning      |                  | 2        | 0         |
| Forest Ranch |                  | 1        | 1         |
| Oroville     |                  | 19       | 3         |
| Palermo      |                  | 3        | 1         |
| Penn Valley  |                  | 2        | 0         |
| Contra Costa | Mountain View    | 12       | 0         |
|              | Knightsen        | 1        | 0         |
|              | Lafayette        | 5        | 0         |
|              | Martinez         | 6        | 0         |
|              | Richmond         | 15       | 0         |
| El Dorado    | Latrobe          | 0        | 1         |
|              | Lincoln          | 0        | 1         |
|              | Placerville      | 2        | 4         |
|              | Somerset         | 1        | 0         |
|              | South Lake Tahoe | 3        | 0         |
| Fresno       | Clovis           | 27       | 0         |
|              | Del Rey          | 0        | 1         |
|              | Firebaugh        | 5        | 0         |
|              | Fowler           | 5        | 0         |
|              | Fresno           | 24       | 1         |
|              | Kingsburg        | 3        | 0         |
|              | Riverdale        | 3        | 0         |
|              | Sanger           | 13       | 0         |
|              | Tulare           | 1        | 0         |

**Municipalities Served:**

The table to the left provides information regarding the distribution of the **1,452** Proposition 39 funded Energy Conservation Projects (Energy Opportunity Surveys and Energy Efficiency Retrofits) performed by the CCC's Energy Corps for **413** LEAs, in **315** Municipalities (Cities & Towns), distributed across **47** Counties from July 2013 to the date of this report.



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| Counties   | Cities        | Surveys | Retrofits |
|------------|---------------|---------|-----------|
| Humboldt   | Arcata        | 5       | 0         |
|            | Bayside       | 1       | 0         |
|            | Blocksburg    | 1       | 0         |
|            | Blue Lake     | 1       | 0         |
|            | Bridgeville   | 1       | 0         |
|            | Carlotta      | 1       | 0         |
|            | Eureka        | 22      | 0         |
|            | Ferndale      | 2       | 0         |
|            | Fortuna       | 3       | 0         |
|            | Honeydew      | 2       | 0         |
|            | Kneeland      | 1       | 0         |
|            | Korbel        | 1       | 0         |
|            | McKinleyville | 3       | 0         |
|            | Miranda       | 3       | 0         |
|            | Orick         | 1       | 0         |
|            | Petrolia      | 6       | 0         |
|            | Redway        | 1       | 0         |
|            | Rio Dell      | 2       | 0         |
|            | Samoa         | 1       | 1         |
|            | Trinidad      | 2       | 0         |
| Weott      | 1             | 0       |           |
| Whitethorn | 1             | 0       |           |
| Imperial   | Brawley       | 6       | 0         |
|            | El Centro     | 1       | 1         |
| Kern       | Bakersfield   | 17      | 1         |
|            | Boron         | 1       | 0         |
|            | Buttonwillow  | 1       | 0         |
|            | Edwards       | 7       | 0         |
|            | Kernville     | 1       | 0         |
|            | Lake Isabella | 1       | 0         |
|            | Lamont        | 1       | 0         |
|            | North Edwards | 2       | 0         |
|            | Ridgecrest    | 1       | 0         |
|            | Taft          | 2       | 0         |
|            | Wasco         | 1       | 0         |
|            | Weldon        | 1       | 0         |
|            | Kings         | Armona  | 3         |
| Hanford    |               | 2       | 0         |
| Lakeside   |               | 1       | 0         |
| Lemoore    |               | 1       | 0         |
| Somerset   |               | 0       | 1         |
| Lassen     | Janesville    | 1       | 0         |
|            | Los Molinos   | 1       | 0         |
|            | Susanville    | 5       | 1         |
|            | Termo         | 2       | 0         |

Distribution by  
 Municipalities of CCC  
 Proposition 39 Funded  
 Energy Conservation  
 Projects:



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| Counties         | Cities               | Surveys | Retrofits |
|------------------|----------------------|---------|-----------|
| Los Angeles      | Agoura Hills         | 4       | 0         |
|                  | Alhambra             | 0       | 1         |
|                  | Altadena             | 1       | 0         |
|                  | Bassett              | 2       | 0         |
|                  | Calabasas            | 6       | 0         |
|                  | Canyon Country       | 3       | 0         |
|                  | Castaic              | 4       | 0         |
|                  | Chatsworth           | 1       | 1         |
|                  | El Centro            | 1       | 0         |
|                  | El Monte             | 4       | 0         |
|                  | Encino               | 2       | 0         |
|                  | Glendale             | 22      | 0         |
|                  | Granada Hills        | 3       | 0         |
|                  | Hawthorne            | 1       | 0         |
|                  | Hidden Hills         | 1       | 0         |
|                  | Inglewood            | 0       | 3         |
|                  | La Cañada Flintridge | 7       | 0         |
|                  | La Crescenta         | 6       | 0         |
|                  | La Habra             | 6       | 0         |
|                  | La Puente            | 5       | 0         |
|                  | Lake Hughes          | 1       | 0         |
|                  | Lakewood             | 1       | 0         |
|                  | Lawndale             | 10      | 0         |
|                  | Los Angeles          | 6       | 0         |
|                  | Lynwood              | 10      | 0         |
|                  | Monrovia             | 9       | 0         |
|                  | Monterey Park        | 0       | 1         |
|                  | Northridge           | 2       | 0         |
|                  | Norwalk              | 3       | 0         |
|                  | Palisades            | 1       | 0         |
|                  | Pasadena             | 1       | 0         |
|                  | Porter Ranch         | 1       | 0         |
|                  | Rosemead             | 1       | 0         |
|                  | Santa Clarita        | 10      | 0         |
|                  | Santa Fe Springs     | 8       | 0         |
|                  | Saugus               | 2       | 0         |
|                  | Sherman Oaks         | 6       | 0         |
|                  | Solvang              | 1       | 0         |
|                  | South El Monte       | 1       | 0         |
|                  | Tarzana              | 1       | 0         |
| Tujunga          | 1                    | 0       |           |
| Valencia         | 3                    | 0       |           |
| Valley Village   | 1                    | 0       |           |
| West Hills       | 2                    | 0       |           |
| Westlake Village | 1                    | 0       |           |
| Whittier         | 17                   | 0       |           |
| Woodland Hills   | 5                    | 0       |           |

**Distribution by  
 Municipalities of CCC  
 Proposition 39 Funded  
 Energy Conservation  
 Projects:**



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| Counties       | Cities           | Surveys | Retrofits |
|----------------|------------------|---------|-----------|
| Placer         | Auburn           | 2       | 0         |
|                | Foresthill       | 1       | 0         |
|                | Lincoln          | 12      | 13        |
|                | Nevada City      | 0       | 1         |
|                | Placerville      | 1       | 1         |
|                | Sheridan         | 1       | 1         |
| Plumas         | Marysville       | 1       | 1         |
|                | Quincy           | 3       | 0         |
| Riverside      | Banning          | 10      | 0         |
|                | Lake Elsinore    | 6       | 2         |
|                | Murrieta         | 1       | 0         |
|                | Riverside        | 11      | 0         |
|                | Temecula         | 18      | 1         |
|                | Wildomar         | 4       | 1         |
| Sacramento     | Antelope         | 9       | 2         |
|                | Elverta          | 2       | 0         |
|                | Folsom           | 10      | 0         |
|                | Galt             | 8       | 0         |
|                | Herald           | 1       | 0         |
|                | North Highlands  | 4       | 0         |
|                | Rancho Cordova   | 10      | 0         |
|                | Rio Linda        | 2       | 0         |
|                | Roseville        | 1       | 0         |
|                | Sacramento       | 29      | 0         |
| San Bernardino | Bloomington      | 8       | 0         |
|                | Colton           | 15      | 0         |
|                | Fontana          | 17      | 0         |
|                | Frazier Park     | 1       | 0         |
|                | Grand Terrace    | 5       | 0         |
|                | Montclair        | 1       | 0         |
|                | Ontario          | 5       | 0         |
|                | Rancho Cucamonga | 4       | 0         |
|                | Rialto           | 24      | 1         |
|                | Riverside        | 1       | 0         |
|                | San Bernardino   | 2       | 0         |
|                | Upland           | 14      | 0         |
| Yucaipa        | 1                | 0       |           |

**Distribution by  
Municipalities of CCC  
Proposition 39 Funded  
Energy Conservation  
Projects:**





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| <b>Counties</b>        | <b>Cities</b>   | <b>Surveys</b> | <b>Retrofits</b> |
|------------------------|-----------------|----------------|------------------|
| <b>San Diego</b>       | Alpine          | 1              | 0                |
|                        | Borrego Springs | 2              | 0                |
|                        | Brawley         | 1              | 0                |
|                        | Calabasas       | 0              | 1                |
|                        | Calexico        | 18             | 0                |
|                        | Carlsbad        | 4              | 0                |
|                        | Coronado        | 7              | 0                |
|                        | El Cajon        | 3              | 0                |
|                        | El Centro       | 2              | 0                |
|                        | Encinitas       | 8              | 0                |
|                        | Escondido       | 1              | 0                |
|                        | Fallbrook       | 1              | 0                |
|                        | Imperial Beach  | 9              | 9                |
|                        | Jamul           | 4              | 0                |
|                        | Julian          | 4              | 0                |
|                        | La Mesa         | 1              | 0                |
|                        | Lebec           | 2              | 0                |
|                        | Lemon Grove     | 8              | 0                |
|                        | Monrovia        | 1              | 0                |
|                        | National City   | 13             | 0                |
|                        | Oceanside       | 2              | 1                |
|                        | Pine Valley     | 1              | 0                |
|                        | Ramona          | 11             | 2                |
| San Diego              | 42              | 12             |                  |
| San Ysidro             | 1               | 1              |                  |
| Santa Ysabel           | 1               | 0              |                  |
| Santee                 | 0               | 1              |                  |
| Temecula               | 3               | 1              |                  |
| <b>San Francisco</b>   | San Francisco   | 11             | 0                |
| <b>San Joaquin</b>     | Acampo          | 1              | 0                |
|                        | Tracy           | 4              | 0                |
| <b>San Luis Obispo</b> | Arroyo Grande   | 1              | 0                |
|                        | Atascadero      | 13             | 0                |
|                        | Oceano          | 1              | 0                |
|                        | San Luis Obispo | 17             | 0                |
|                        | San Miguel      | 1              | 0                |
|                        | Santa Maria     | 1              | 0                |
|                        | Shandon         | 3              | 0                |
| Templeton              | 5               | 0              |                  |

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| Counties      | Cities        | Surveys | Retrofits |
|---------------|---------------|---------|-----------|
| Santa Barbara | Lompoc        | 6       | 0         |
|               | Santa Barbara | 3       | 1         |
|               | Santa Maria   | 3       | 0         |
|               | Santa Ynez    | 1       | 1         |
| Santa Clara   | Canyon        | 1       | 0         |
|               | Los Gatos     | 1       | 0         |
|               | Palo Alto     | 16      | 0         |
|               | San Jose      | 13      | 1         |
|               | Saratoga      | 6       | 0         |
|               | Stanford      | 1       | 0         |
| Shasta        | Anderson      | 6       | 0         |
|               | Bella Vista   | 1       | 0         |
|               | Cottonwood    | 2       | 0         |
|               | French Gulch  | 1       | 0         |
|               | Junction City | 1       | 0         |
|               | Milville      | 2       | 0         |
|               | Oak Run       | 1       | 0         |
|               | Palo Cedro    | 6       | 0         |
|               | Redding       | 19      | 0         |
|               | Shasta Lake   | 4       | 0         |
|               | Shingletown   | 2       | 0         |
|               | Westwood      | 1       | 0         |
|               | Whitmore      | 1       | 0         |
|               | Solano        | Dixon   | 7         |
| Fairfield     |               | 2       | 0         |
| Sonoma        | Cazadero      | 1       | 0         |
|               | Healdsburg    | 1       | 0         |
|               | Monte Rio     | 1       | 0         |
|               | Petaluma      | 1       | 0         |
|               | Santa Rosa    | 6       | 0         |
|               | Sonoma        | 1       | 0         |
| Stanislaus    | Brawley       | 1       | 0         |
|               | Ceres         | 16      | 0         |
|               | Denair        | 1       | 0         |
|               | Hickman       | 1       | 0         |
|               | Hughson       | 4       | 1         |
|               | Modesto       | 10      | 2         |
|               | Oakdale       | 2       | 0         |
|               | San Jose      | 1       | 0         |
|               | Sonora        | 1       | 0         |
|               | Turlock       | 1       | 0         |
|               | Valley Home   | 2       | 0         |
| Sutter        | Live Oak      | 6       | 0         |
|               | Nicolaus      | 0       | 3         |

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| <b>Counties</b> | <b>Cities</b> | <b>Surveys</b> | <b>Retrofits</b> |
|-----------------|---------------|----------------|------------------|
| <b>Tehama</b>   | Gerber        | 0              | 1                |
|                 | Los Molinos   | 0              | 4                |
|                 | Paskenta      | 0              | 1                |
| <b>Trinity</b>  | Burnt Ranch   | 1              | 0                |
| <b>Tulare</b>   | Hanford       | 3              | 0                |
|                 | Lemon Cove    | 1              | 0                |
|                 | Tulare        | 22             | 0                |
|                 | Visalia       | 1              | 0                |
| <b>Tuolumne</b> | Jamestown     | 1              | 0                |
| <b>Ventura</b>  | Camarillo     | 14             | 0                |
|                 | Oxnard        | 2              | 0                |
|                 | Santa Paula   | 2              | 0                |
|                 | Thousand Oaks | 1              | 0                |
|                 | Ventura       | 2              | 0                |
| <b>Yolo</b>     | Woodland      | 4              | 0                |
| <b>Yuba</b>     | Camptonville  | 1              | 0                |
|                 | Marysville    | 6              | 0                |
|                 | Nevada City   | 3              | 0                |
|                 | Olivehurst    | 3              | 0                |
|                 | Plumas Lake   | 7              | 0                |
|                 | Wheatland     | 2              | 0                |

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