



Proposition 39: California Clean Energy Jobs Act

California Energy Commission

March 25, 2015



Agenda

1. Proposition 39 Program Accomplishments
2. Revisions to the Guidelines
3. Energy Expenditure Plan Handbook
4. New Energy Expenditure Plan Online System
5. Utility Data Release Authorization Forms
6. Energy Savings Calculators & PPA Updates
7. LEA Project SIR Worksheet
8. Public Works Project Requirements
9. Questions and Answers



Proposition 39: *Information*

Energy Commission's Proposition 39 website:

<http://www.energy.ca.gov/efficiency/proposition39/index.html>

Contact our Prop 39 Hotline:

(855) 380-8722 (*Toll-free in-state*)

(916) 653-0392 (*Toll-line out-of-state*)

Contact us by email:

Prop39@energy.ca.gov





*Let's talk about
Proposition 39
Program Accomplishments*



Proposition 39 Program: *Accomplishments*

The First Year.....

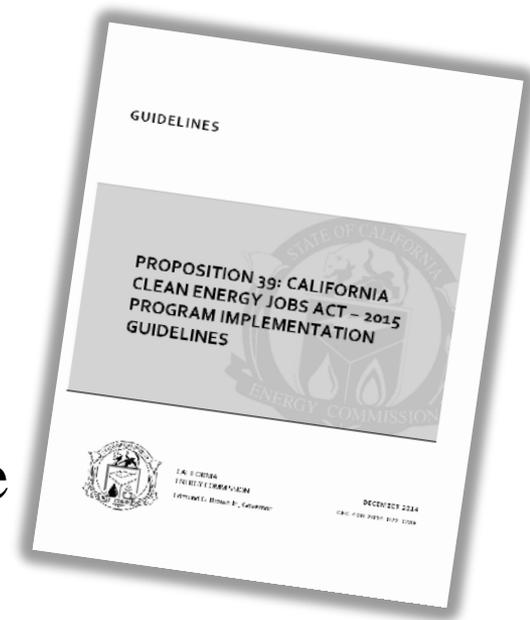
- Program Guidelines
- Energy Project Application Process:
 - Energy Expenditure Plans
 - Energy Savings Calculators
 - Proposition 39 Handbook
 - Electronic Submission Process
- Comprehensive Training to over 800 participants
(in person/via webinars)
- Proposition 39 Hotline



Proposition 39 Program: *Accomplishments*

The Second Year.....

- Updated Program Guidelines (*Adopted: December 2014*)
 - *Stakeholder Input*
- New Energy Expenditure Plan Online Application System (*February 27, 2015*)
- Trainings/Webinars on the Guidelines & EEP Online





Proposition 39 Program: *Accomplishments*

Energy Expenditure Plans (EEPs) Approved

(As of 03.23.2015)

- **304** Energy Expenditure Plans Approved
- **\$200** million in Prop 39 Award funds Approved
- **985** School Sites

Energy Planning Funds

- Over \$153 million dollars



TOTAL \$353 million dollars awarded



Proposition 39 Program: *Accomplishments*

(as of 03.08.2015)

| Energy Measure Category | # of Measures Approved | Percentage Approved |
|-------------------------|------------------------|---------------------|
| Lighting | 1696 | 48% |
| HVAC | 608 | 17% |
| HVAC Controls | 400 | 11% |
| Lighting Controls | 326 | 9% |
| Plug Loads | 216 | 6% |
| Pumps, Motors, Drives | 93 | 3% |
| Generation (PV) | 74 | 2% |
| Building Envelope | 57 | 2% |
| Domestic Hot Water | 51 | 1% |
| TOTAL: | 3521 | |



Proposition 39 Program: *Accomplishments*



Approved EEPs are projected to reduce energy consumption by:

- 96.6 million kWh
- 680,000 therms
- 32,000 gallons of propane
- 6,000 gallons of fuel oil

Resulting in an estimated \$17 million in annual energy cost savings!

(as of 03.23.2015)



Proposition 39 Program: *Accomplishments*

Pleasant Ridge School District

(Grass Valley – Sierra Foothills)

- One of first districts to apply
- Multiple year Expenditure Plan
- \$500,000 over the next five years



Projects Completed:

- Lighting Systems & HVAC at three schools
- Est. Annual Energy Savings = \$43,000
- Lighting alone, has already saved approximately \$8,000 since July 2014 completion.



*Let's talk about the
Guidelines: Major Changes*



Proposition 39: *Guidelines: Major Changes*

Major Updates from December 2014

- Savings to Investment Ratio (SIR) changes
- Additional Energy Efficiency Measures
- Clarification Changes



Summary of Changes:

http://www.energy.ca.gov/efficiency/proposition39/documents/2015-02-25_Summary_of_Changes.pdf



Proposition 39: *Guidelines: Major Changes*

Savings to Investment Ratio (SIR) = 1.05

- The SIR is calculated based on net present value of savings divided by project installation cost

$$\text{SIR} = \frac{\text{Net Present Value of Savings}}{\text{Project Installation Cost}}$$



Proposition 39: *Guidelines: Major Changes*

Major Updates from December 2014

- SIR modified
 1. New Definition - LEA Level
 2. Leveraged funding subtracted from project cost
 3. SIR alternative for zero-net-energy LEAs
 4. Power Purchase Agreement SIR



Proposition 39: *Guidelines: Major Changes*



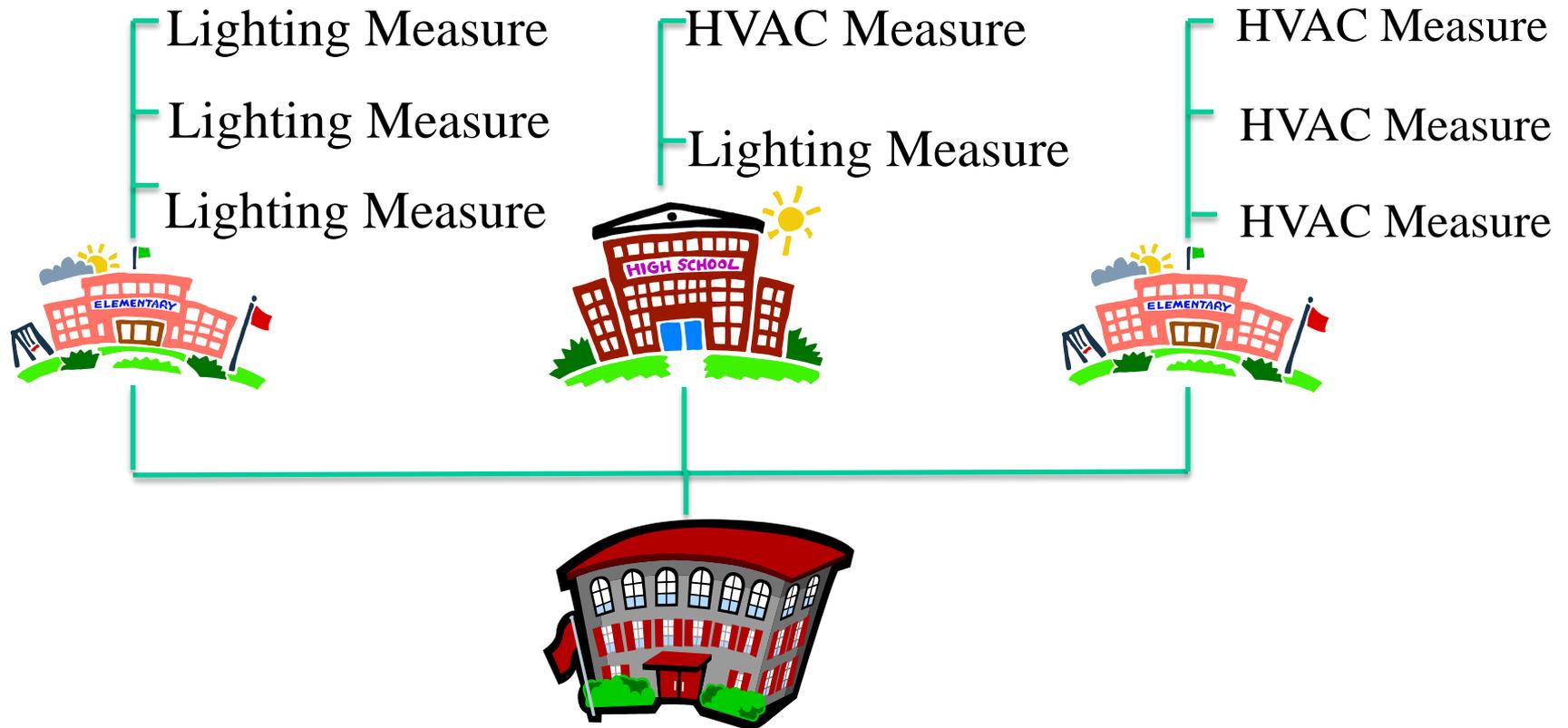
New Definition of Eligible Energy Project:

SIR at the LEA level, not at the school site level

An eligible energy project is an energy efficiency measure or bundled group of energy efficiency measures and/or clean energy installations (in or at one or more school sites) within an LEA.



Proposition 39: *Guidelines: Major Changes*



**Total LEA Bundled Saving to Investment Ratio
(SIR) = 1.05**



Proposition 39: *Guidelines: Major Changes*



**Additional leverage funding allowed to reduce the
Project Installation Cost used in the
SIR formula (Appendix D)**

- Removed the word “Grant”
- Added: Non-repayable funds such as:
 1. Bond funding
 2. General operation budgets
 3. Deferred maintenance
 4. Other funds



Proposition 39: *Guidelines: Major Changes*



SIR Alternative for Zero-Net-Energy LEAs

LEAs meeting the zero-net-energy criteria can submit an Energy Expenditure Plan using an alternative cost effectiveness methodology.



Proposition 39: *Guidelines: Major Changes*



Power Purchase Agreement SIR Calculation and Conditions (Appendix F)

- 1) Added and Revised the Power Purchase Agreement SIR
- 2) Added Power Purchase Agreement Terms and Conditions



Proposition 39: *Guidelines: Major Changes*



Audit (Page 32-33)

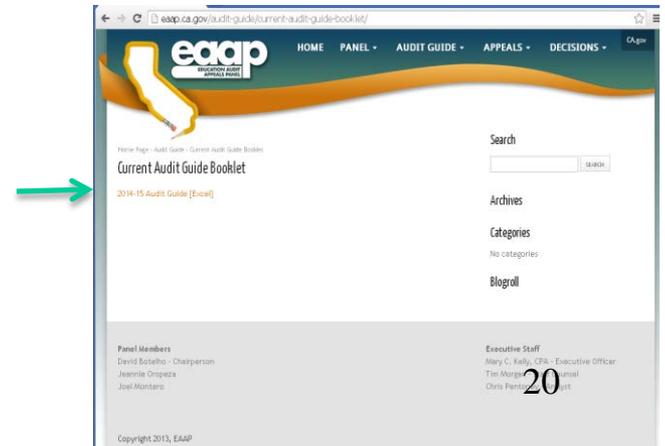
- Added clarification on payback, project and property related to PRC 26240(h)(1).

Provides web link to CDE's current audit guide booklet.

<http://eaap.ca.gov/audit-guide/current-audit-guide-booklet/>

Look under Table of Contents:

(S) California Clean Energy Jobs Act





Proposition 39: *Guidelines: Major Changes*



Public Works Project Award Notification and Payroll Reporting (Page 35)

- Includes new Labor Code – Section 1773.3
- LEAs requirement
 - ✓ Notify the Department of Industrial Relations (DIR) of a public works project
- Contractor requirements
 - ✓ Register with DIR
 - ✓ Report payroll records to DIR



Proposition 39: *Guidelines: Major Changes*



Effective Useful Life for Energy Measures in Years (Appendix E)

- Revised to reflect 2014 Database for Energy Efficient Resources (DEER)
- Additional energy efficiency measures and effective useful life numbers added to existing table.



Proposition 39:

Guidelines: Major Changes

Additional Energy Efficiency Measures

Appendix E: Effective Useful Life



| Energy Measure Category | Energy Measure | Effective Useful Life (years) |
|-------------------------|------------------------|-------------------------------|
| Lighting | CFL Lamp Retrofit | 3 |
| HVAC | Room, Window AC | 9 |
| HVAC | Evaporative Cooler | 15 |
| HVAC | Repair Economizer | 5 |
| HVAC | Duct Sealing | 11 |
| HVAC | Cooling Towers | 15 |
| HVAC | Steam Traps | 6 |
| Pumps, Motors, Drives | Energy Efficient Pumps | 15 |



Proposition 39: *Guidelines: Major Changes*



Additional Energy Efficiency Measures **Appendix E: Effective Useful Life (*continued*)**

| Energy Measure Category | Energy Measure | Effective Useful Life (years) |
|--------------------------------|-----------------------------|--------------------------------------|
| Pool | Swimming Pool Cover | 5 |
| Domestic Hot Water | Waste Heat Recovery | 14 |
| Domestic Hot Water | Solar Water Heating | 15 |
| Domestic Hot Water | Water Tank, Pipe Insulation | 10 |



Proposition 39:

Guidelines: Major Changes



Additional Energy Efficiency Measures **Appendix E: Effective Useful Life (*continued*)**

| Energy Measure Category | Energy Measure | Effective Useful Life (years) |
|--------------------------------|---|--------------------------------------|
| Kitchen | High Efficiency Appliances | 12 |
| Kitchen | Strip Curtain/Auto Closer for Walk-in Refrigerators/ Freezers | 4 |
| Irrigation | Irrigation Pump Control | 11 |
| Irrigation | High Efficiency Sprinkler | 4 |



Proposition 39: *Guidelines: Major Changes*



Additional Energy Efficiency Measures **Appendix E: Effective Useful Life (*continued*)**

| Energy Measure Category | Energy Measure | Effective Useful Life (years) |
|--------------------------------|--------------------------------------|--------------------------------------|
| Energy Storage | Advanced Battery Storage | 10 (with vendor warranty) |
| Electrical | High Efficiency Transformer | 15 |
| Generation | Solar Photovoltaic (PV) | 25 (with vendor warranty) |
| Generation | Combined Heat & Power (Cogeneration) | 15 (with vendor warranty) |



What's Next in 2015?

- Completion of the Online EEP Reporting System
 - ✓ Annual Reporting
 - ✓ Final Reporting
- Completion of the Online Amendment Process
- Continue to gather feedback from LEAs to further refine the Program.
 - [Trainings](#) throughout CA in April 2015
 - Prop 39 Survey - <https://www.surveymonkey.com/s/CECP39s1>



Questions...

About Proposition 39 Guideline Changes?

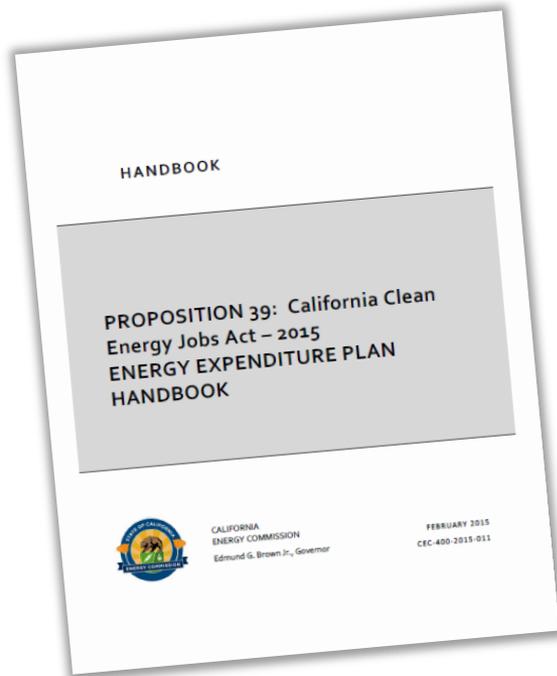




*Let's talk about the
Energy Expenditure Plan
Handbook*



Proposition 39: *Energy Expenditure Plan Handbook*



- General Overview
- What's New



Proposition 39: *Energy Expenditure Plan Handbook*

General Overview

- On February 27, 2015, the Energy Expenditure Plan Online System was launched
- A “welcome” email was sent to the primary LEA contacts listed in the California School Directory
- The email provided a link to the Energy Commission’s Energy Expenditure Plan Online System



Proposition 39: *Energy Expenditure Plan Handbook*

General Overview

- LEAs must enter their energy expenditure plans into Energy Expenditure Plan Online and upload their backup information in the Supporting Documents section.
- Form A and Form B can no longer be used and uploaded to the Prop 39 Upload Website.



Proposition 39:

Energy Expenditure Plan Handbook

General Overview

- No energy expenditure plans will be accepted by mail, e-mail, fax or courier delivery
- Only energy expenditure plans entered via the Energy Expenditure Plan Online System will be accepted
- Internet Browsers to Use:
 - LEAs must only use Internet Explorer or Google Chrome to access the Energy Expenditure Plan Online System



Proposition 39: *Energy Expenditure Plan Handbook*

What's New

Chapter 1: (Revised) Energy Expenditure Plan

When submitting energy savings calculators, LEAs must also submit an energy survey which includes the following:

- a description of the proposed energy efficiency measures and the buildings or facilities that will be improved by the measures.
- a description of the existing energy-using equipment (*i.e., type, age of equipment, size, operating hours and so forth*)



Proposition 39: *Energy Expenditure Plan Handbook*

What's New

Chapter 2: (New)

- Instructions for Energy Expenditure Plan Online System

Chapter 3: (Revised)

- Instructions for the Utility Data Release Authorization and Facility and Service Account Information Form



Proposition 39: *Energy Expenditure Plan Handbook*

What's New

Chapter 4: (Revised)

- Instructions for the Energy Savings Calculators

Chapter 5: (Revised)

- Information Required for Energy Audits

Chapter 6: (New)

- Information Required for Power Purchase Agreement Applications



Proposition 39: *Energy Expenditure Plan Handbook*

General Overview

Appendix A: (Revised)

- Examples of Backup Information to be Uploaded

Appendix B: (New)

- Frequently Asked Questions (FAQ)



Questions...

About the Energy Expenditure Plan Handbook?





*Let's talk about the
Energy Expenditure Plan
Online System*



Log In Page

The screenshot shows the California Energy Commission website interface. At the top left is the CA.GOV logo. To its right is the California Energy Commission logo and the text "CALIFORNIA ENERGY COMMISSION". Further right are navigation links: "CA.gov | Accessibility | Quick Links | Log In". Below this is a dark blue navigation bar with "EXPENDITURE PLAN" and "ABOUT" links. The main content area features a background image of a classroom with yellow chairs and a green chalkboard. A modal dialog box titled "Terms & Agreements" is centered on the screen. The dialog contains three paragraphs of text regarding system access, monitoring, and privacy. At the bottom right of the dialog are "Agree" and "Cancel" buttons. Below the dialog, there is a link for "Don't have an account? Register".

CA.gov | Accessibility | Quick Links | Log In

Environment: Acceptance

EXPENDITURE PLAN ABOUT

Terms & Agreements

The Energy Expenditure Plan Online System (system) is the property of the California Energy Commission (Commission) and may only be accessed by authorized users. Unauthorized access, use, disruption, modification, or destruction of this system is strictly prohibited and may be subject to criminal prosecution and/or adverse action or both.

The Commission may monitor any activity or communications on the system and retrieve any information stored within the system. By accessing and using this system, you are consenting to such monitoring and information retrieval for law enforcement and other purposes.

Users of this system can have no expectation of privacy as to any communication on, or information created, maintained and stored within the system, including information stored centrally, locally on a disk drive, or on removable electronic storage media. In addition to any other available remedies, the penalties for unauthorized access or use may include criminal and/or civil action under the California Information Privacy Act (Financial code section 1798.53) and Penal Code section 502.

Agree Cancel

Don't have an account?
[Register](#)



Register/Log In

A screenshot of a web application's login interface. The title "Log In" is centered at the top. Below it are two input fields: "LEA Code" and "Password". A callout box labeled "Returning LEA" points to the "LEA Code" field. Below the fields is a warning: "The application locks a user out after 5 failed login attempts." At the bottom of the form area is a "Log In" button, a "Forgot your password?" link, and a "Keep me logged in" checkbox. Below the form area, the text "Don't have an account?" is followed by a "Register" button circled in red, with a line pointing to the text "LEA's first vist".

Log In

Returning LEA

LEA Code

Password

The application locks a user out after 5 failed login attempts.

Log In Forget your password?

Keep me logged in

Don't have an account?

Register — LEA's first vist

- Register

- If the LEA is using the new Energy Expenditure Plan Online System for the first time, the LEA will need to register (**one account per LEA**)

- Log In

- If the LEA has previously registered and is returning to the system, the LEA can log in with the appropriate LEA Code and Password



Registration Process

* LEA/CDS Code

* Employee Name

* E-mail

* Confirm E-mail

* Password

(Password length minimum: 7, and 1 Non-alphanumeric.)

* Confirm Password

* Security Question

* Security Answer

Create Account

- Only **1** account can be registered per LEA
- The employee name and e-mail entered will be used for registration and account information only
- Verify account by using link in e-mail sent to the provided e-mail address



LEA Summary

1 LEA Summary **2** Expenditure Plan & Site Summary **3** Review & Submit

Applicant Information

Local Education Agency (LEA) Name: San Leandro Unified LEA CDS Code: 01612910000000

Address: 14735 Juniper St City: San Leandro Zip: 94579

Active Submitted Approved Amendments

| ID | Fiscal Year | Submittal Option | Amount Requested |
|-----|-------------|--|------------------|
| 409 | 2015-16 | Multiple-Year (bundled) Award Expenditure Plan | \$1,450,341.00 |

CREATE NEW ENERGY EXPENDITURE PLAN

- **Active:** EEPs being created by LEA (*editable*)
- **Submitted:** EEPs sent to CEC for CEC review (*read only*)
- **Approved:** EEPs approved by CEC (*read only*)
- **Create New Energy Expenditure Plan:** Create a new EEP (*editable*)



LEA Summary: *Create New EEP*

Expenditure Plan Option

* Fiscal Year: * Expenditure Plan Submittal Options:

Authorized Representative Contact

Name:

Title:

Phone:

E-mail:

Project Manager Contact

Name:

Title:

Phone:

E-mail:

- All fields need to be filled out
- **Create:** Make a new EEP
- **Cancel:** Do not make a new EEP and return to list of EEPs in LEA Summary section



Expenditure Plan & Site Summary

1 LEA Summary 2 Expenditure Plan & Site Summary 3 Review & Submit

LEA PROJECT SIR: 1.13

LEA Name: San Leandro Unified LEA Code: 01612910000000 Grant Amount Request: \$1,450,341.00

Energy Planning & Training Schools/Sites Job Creation Certifications

* Expenditure Plan Submittal Option: Multiple-Year (bundled) Award Expenditure Plan ▼

BACK TO LEA SUMMARY SAVE CURRENT PROCESS REVIEW EEP

- **LEA Project SIR:**
Automatically calculated and must be greater than 1.05 to qualify
- **Save Current Process:**
Use this button after inputting information or after adding/updating measures to save changes to EEP



Expenditure Plan & Site Summary: Navigation

Energy Planning & Training Schools/Sites Job Creation **Certifications**

- The LEA followed the Proposition 39 Guidelines regarding eligible energy project prioritization considerations.
- The LEA followed the guidelines regarding sequencing of facility improvements.
- The LEA commits to use the funds for the eligible energy project(s) approved in its energy expenditure plan.
- The LEA commits the information included in the application is true and correct based to the best of the LEA's know
- The LEA commits that all California Environmental Quality Act (CEQA) requirements are completed.
- The LEA will obtain DSA project approval as applicable pursuant to California Code of Regulations, Title 24.
- The LEA acknowledges that the expenditures are subject to financial audit requirements (Public Resources Code Se
- The LEA commits to complying with all reporting requirements.

Reminder: Please remember to include the signed Utility Data Release Authorization Form for your utility provider to Commission

TYPE Name of Authorized Representative: /s/ Date:

BACK TO LEA SUMMARY SAVE CURRENT PROCESS REVIEW EEP

- There are 4 initial subsections that can be navigated to by clicking on the name
- **BACK TO LEA SUMMARY** – Returns to LEA Summary section with list of EEPs
- **REVIEW EEP** – Used when the EEP is completely filled out and ready to be submitted to the Energy Commission



Expenditure Plan & Site Summary: Energy Planning & Training

Energy Planning & Training Schools/Sites Job Creation Certifications

* Expenditure Plan Submittal Option: Multiple-Year (bundled) Award Expenditure Plan ▼

* Fiscal Year: 2015-16 ▼ * Tier: 4 ▼ Total Award Allocation Remaining: \$ 1,000,000.00 ⓘ

| Authorized Representative Contact | Project Manager Contact |
|-----------------------------------|---------------------------------|
| * Name: John Smith | * Name: Jane Smith |
| * Title: Superintendent | * Title: Maintenance Supervisor |
| * Phone: (555) 555-5555 | * Phone: (555) 555-5555 |
| * E-mail: j.smith@test.test | * E-mail: j.smith@test.test |

- **Fiscal Year:** Select the fiscal year when the EEP is submitted
- **Total Award Allocation Remaining:**
Based on 2013-14 allocation remaining *plus* 2014-15 allocation
- **Authorized Representative & Project Manager:**
Can be different for each EEP



Expenditure Plan & Site Summary: Energy Planning & Training

Energy Planning Reservation Information

Did you request Energy Planning Funds? *if no, move on to next section*

| | | | |
|---|---|---|---|
| Budget for Energy Surveys and Energy Audits: | <input type="text" value="\$ 10,000.00"/> | Amount Spent for Energy Surveys and Energy Audits: | <input type="text" value="\$ 4,320.00"/> |
| Budget for Proposition 39 Program Assistance: | <input type="text" value="\$ 20,000.00"/> | Amount Spent for Proposition 39 Program Assistance: | <input type="text" value="\$ 13,560.00"/> |
| Budget for Energy Manager: | <input type="text" value="\$ 15,000.00"/> | Amount Spent for Energy Manager: | <input type="text" value="\$ 9,270.00"/> |
| Budget for Training: | <input type="text" value="\$ 6,000.00"/> | Amount Spent for Training: | <input type="text" value="\$"/> |
| Total: | <input type="text" value="\$ 51,000.00"/> | | <input type="text" value="\$ 27,150.00"/> |

- **Drop Down Menu:** Select whether or not the LEA requested planning funds from CDE
- **Budget Side:** Enter the budget for planning fund category over the five years of the program
- **Spent Side:** Enter the amount spent to date for each planning fund category



Expenditure Plan & Site Summary: *Energy Planning & Training*

Energy Manager and Training

Are you hiring an Energy Manager with funds requested in this expenditure Plan? Yes ▾

Amount requesting for Energy Manager: \$

Are you using Proposition 39 funds for energy related training costs? No ▾

Amount requesting for Training: \$

- To request additional funds select **Yes** and enter amount requested in appropriate field
- If No is selected the LEA will not be able to enter an amount requested
- These amounts are used to calculate the Grant Amount Request
- **DON'T FORGET** to use the **Save Current Process** button



Expenditure Plan & Site Summary: Schools/Sites

Energy Planning & Training **Schools/Sites** Job Creation Certifications

Please type the school name: **Press the down arrow key see a complete list of available schools.*

Click here to search...

| Status | School/Site Name | CDS Code | Project Cost | Prop.39 Share |
|-------------------------|------------------|----------------|-----------------------|-----------------------|
| Completed | San Leandro High | 01612910137588 | \$1,546,888.00 | \$1,294,341.00 |
| Completed | John Muir Middle | 01612916066518 | \$156,000.00 | \$156,000.00 |
| Estimated Total: | | | \$1,702,888.00 | \$1,450,341.00 |

Supporting Documents ⓘ

Drop files here

Please select file(s) to upload.

Maximum file size: ~50 MB
Allowed file type: zip, pdf, doc, docx, xls, xlsx, ppt, pptx, rtf, bt, jpg, jpeg, tif, tiff, gif, exe

| File Name | |
|--|--------|
| RE_ Proposition 39 and Escondido USD 2.pdf | DELETE |
| RE_ Proposition 39 and Escondido USD 5.pdf | DELETE |

- Add new school site or navigate to previously added school site
- Add supporting documentation
- Remove previously added supporting documents



Expenditure Plan & Site Summary: Job Creation

- Gray fields are calculated automatically
- **Add Other Trainee Position to EEP** – To input trainee positions enter the trainee position title and jobs created and use the **ADD** button

| Apprenticeship Information | Budget | Estimated Apprenticeship Job-Years Created |
|---|---|--|
| Apprenticeships | \$ <input type="text"/> | <input type="text" value="0"/> |
| Please list any state-certified apprenticeship programs being used: | | |
| <div style="border: 1px solid gray; height: 80px;"></div> | | |
| <input type="text" value="--Select--"/> | Will this project be subject to a community benefits agreement, community workforce agreement, or other mechanism that defines project co-benefits? | |
| Add Other Trainee Position to EEP | | |
| Other Trainee Position Title | Estimated Other Trainee Jobs Created | |
| <input type="text"/> | <input type="text"/> | |
| <input type="button" value="ADD"/> | | |
| Other Trainee Position(s) | | |
| No Other Trainee Position Data. | | |
| THE FOLLOWING SECTIONS WILL BE CALCULATED AUTOMATICALLY | | |
| Type of Project | Budget | Estimated Direct Job-Years Created |
| Energy Efficiency | \$ <input type="text" value="1,366,341.00"/> | <input type="text" value="7.65"/> |
| Renewable Energy | \$ <input type="text" value="84,000.00"/> | <input type="text" value="0.35"/> |
| Clean Advanced Distributed Energy | \$ <input type="text" value="0.00"/> | <input type="text" value="0"/> |
| | Total: | <input type="text" value="8"/> |



Expenditure Plan & Site Summary: Certifications

Energy Planning & Training Schools/Sites Job Creation **Certifications**

- The LEA followed the Proposition 39 Guidelines regarding eligible energy project prioritization considerations.
- The LEA followed the guidelines regarding sequencing of facility improvements.
- The LEA commits to use the funds for the eligible energy project(s) approved in its energy expenditure plan.
- The LEA commits the information included in the application is true and correct based to the best of the LEA's knowledge.
- The LEA commits that all California Environmental Quality Act (CEQA) requirements are completed.
- The LEA will obtain DSA project approval as applicable pursuant to California Code of Regulations, Title 24.
- The LEA acknowledges that the expenditures are subject to financial audit requirements (Public Resources Code Section 26206(e) and 26240(g)).
- The LEA commits to complying with all reporting requirements.

Reminder: Please remember to include the signed Utility Data Release Authorization Form for your utility provider to release data to the Energy Commission

TYPE Name of Authorized Representative: /s/ Date:

- **Check Boxes:** Check to self certify
- **Authorized Representative:** Must exactly match the employee identified in Energy Planning & Training subsection



Expenditure Plan & Site Summary: *Schools/Sites (Add Site)*

Click here to search...

Click here to search...

- (District) San Leandro Unified
- Lincoln High (Continuation)
- Pacific High
- San Leandro Adult
- Cleveland Elementary
- Garfield Elementary
- Halcyon Elementary
- Jefferson Elementary
- Kennedy Elementary
- Madison Elementary
- McKinley Elementary
- Monroe Elementary
- Roosevelt Elementary
- Washington Elementary
- Wilson Elementary

| | Prop.39 Share |
|----|-----------------------|
| 00 | \$1,294,341.00 |
| 0 | \$156,000.00 |
| 0 | \$1,450,341.00 |

lect file(s) to upload.

- **Use drop down list to select a site:**
The first selection which includes (District) indicates an LEA site
- **ADD:** Use the **ADD** button to add the selected site to the EEP button after selecting a site



Expenditure Plan & Site Summary: *Navigation*

1 LEA Summary 2 Expenditure Plan & Site Summary 3 Review & Submit

Quick Link: [Find Your California Representative](#)

* Site Name: CDS Code:

* Address: * City: * Zip:

* Assembly District: * Senate District: * Congressional District:

SITE LEVEL SIR: 1.05

[Site](#) [Benchmarking](#) [Efficiency Measure](#) [Photovoltaic](#) [Power Purchase Agreements](#) [Summary](#)

[BACK TO EEP SUMMARY](#) [SAVE CURRENT PROCESS](#) [COMPLETE SITE](#) [DELETE SCHOOL](#)

- Six additional subsections navigated on the top
- **BACK TO EEP SUMMARY:** Goes to the EEP Summary (initial four subsections)
- **COMPLETE SITE:** Use when all site information is complete
- **DELETE SCHOOL:** Removes site from EEP



Expenditure Plan & Site Summary: *Site*

1 LEA Summary 2 Expenditure Plan & Site Summary 3 Review & Submit

Quick Link: [Find Your California Representative](#)

* Site Name: CDS Code:

* Address: * City: * Zip:

* Assembly District: * Senate District: * Congressional District:

SITE LEVEL SIR: 1.05

[Site](#) [Benchmarking](#) [Efficiency Measure](#) [Photovoltaic](#) [Power Purchase Agreements](#) [Summary](#)

- **Site Name:** If a district building is added, type in the Site Name; if a school is selected, the school name will be automatically input
- **Assembly/Senate District:** The district information can be found using the “Find Your California Representative” link



Expenditure Plan & Site Summary:

Site

Site Benchmarking Efficiency Measure Photovoltaic Power Purchase Agreements Summary

Project Date

* Estimated Project Start Date
2/17/2015 (mm/dd/yyyy)

* Estimated Project Completion Date
2/17/2018 (mm/dd/yyyy)

* Measure Savings Source: Energy audit/feasibility study

* Energy Efficiency Narrative Description

The energy efficiency measures planned for the implementation consist of interior lighting and exterior lighting fixture retrofits to LED lighting technologies. Existing lighting controls for interior locations will be upgraded with occupancy sensors for areas that are not consistently occupied. Existing boilers servicing the pool, West Hall, and Library building will be replaced with new energy efficient boiler. Finally, existing constant volume reheat air handling units serving the theater will be converted to variable volume operation through the installation of new premium efficiency motors and VFDs on supply, return fans, and associated controls.

BACK TO EEP SUMMARY SAVE CURRENT PROCESS COMPLETE SITE DELETE SCHOOL

- **Project Start Date:** Must be after 12/19/2013
- **Completion Date:** Must be before 06/30/2020
- **Energy Efficiency Narrative Description:**

What is planned for the site and if there is PV why is the site a good candidate for renewable energy



Expenditure Plan & Site Summary: *Benchmarking*

Site **Benchmarking** Efficiency Measure Photovoltaic Power Purchase Agreements Summary

i Reminder: If the school/site is located in a privately-owned leased facility, a Building Owner Certification may be required.

* Square Footage of School/Site (SqFt) * Energy Bill Fiscal Year

**If you have more than one electric, or gas account number, please separate it with ','*

| | |
|---------------------------------------|-------------------------------------|
| Electric Utility | Electric Utility Account # |
| <input type="text" value="PG&E"/> | <input type="text" value="123456"/> |
| Gas Utility | Gas Utility Account # |
| <input type="text" value="PG&E"/> | <input type="text" value="123456"/> |

- Gas Utility and Gas Utility Account # only needs to be included for natural gas utilities
 - propane and fuel oil provider **should not** be input



Expenditure Plan & Site Summary: Benchmarking

**Please include all meters, renewable production, etc. servicing the school/site. For costs include all utility costs, PPA costs, third party supplier costs.*

| | | | | |
|----------------------------|---|----------|-------------------------------|--|
| Average Peak Demand | <input type="text" value="770.00"/> | (kW) | | |
| On-Site Generation | <input type="text" value="0.00"/> | (kWh) ⓘ | | |
| kWh Purchased From Utility | <input type="text" value="2,541,115.00"/> | (kWh) ⓘ | | |
| Total Annual Electric Use | <input type="text" value="2,541,115.00"/> | (kWh) | Total Annual Electric Charges | <input type="text" value="\$ 433,668.57"/> |
| Total Annual Gas Use | <input type="text" value="70,162.00"/> | (therms) | Total Annual Gas Charges | <input type="text" value="\$ 28,715.67"/> |
| Total Annual Propane Use | <input type="text" value="0.00"/> | (gals) | Total Annual Propane Charges | <input type="text" value="\$"/> |
| Total Annual Fuel Oil Use | <input type="text" value="0.00"/> | (gals) | Total Annual Fuel Oil Charges | <input type="text" value="\$"/> |

- **On-Site Generation:** The amount of electricity produced through generation systems such as PV (new field)
- **kWh Purchased From Utility:** The amount of electricity purchased from the utility (new field)
- **Total Annual Electric Use:** This field is automatically calculated based on On-Site Generation and kWh Purchased From Utility (automatically calculated)



Expenditure Plan & Site Summary: Efficiency Measure

Site Benchmarking **Efficiency Measure** Photovoltaic Power Purchase Agreements Summary

Proposition 39 Share for Energy Efficiency Measures: \$ 1,294,341.00

Efficiency Measure Detail

* Energy Efficiency Measure

* Pre/Post description (ex: Retrofit 1000 2-lamp fixture of 34w T-12/magnetic ballast to 28w T-8/electronic ballast)

Characters remaining: 256

| | | | |
|----------------------------|--------------------------------|------------------------------|-------------------------|
| Demand Savings | <input type="text"/> (kW) | * Annual Energy Cost Savings | \$ <input type="text"/> |
| Annual Electric Savings | <input type="text"/> (kWh) | * Measure Cost | \$ <input type="text"/> |
| Annual Natural Gas Savings | <input type="text"/> (therms) | Rebates | \$ <input type="text"/> |
| Annual Propane Savings | <input type="text"/> (gallons) | Other Non-Repayable Funds | \$ <input type="text"/> |
| Annual Fuel Oil Savings | <input type="text"/> (gallons) | Total Leveraged Funding | \$ <input type="text"/> |
| Measure SIR | <input type="text"/> | | |

- **Prop39 Share for EEMs:**
Enter the total amount of prop 39 to be used on **all** EEMs at the site (*new field*)
- **Energy Efficiency Measure:**
Use drop down menu to select EEM category for a specific EEM
- **Rebates:** Enter rebates applied to the EEM (*new field*)
- **Other Non-Repayable Funds:**
Enter the amount of other non-repayable funds applied to the EEM (*new field*)



Expenditure Plan & Site Summary: Efficiency Measure

Efficiency Measure Detail

* Energy Efficiency Measure

* Pre/Post description (ex: Retrofit 1000 2-lamp fixture of 34w T-12/magnetic ballast to 28w T-8/electronic ballast)

Data data data

Characters remaining: 256

| | | | | |
|----------------------------|--------------------------------|-----------|------------------------------|-------------------------|
| Demand Savings | <input type="text"/> | (kW) | * Annual Energy Cost Savings | \$ <input type="text"/> |
| Annual Electric Savings | <input type="text"/> | (kWh) | * Measure Cost | \$ <input type="text"/> |
| Annual Natural Gas Savings | <input type="text"/> | (therms) | Rebates | \$ <input type="text"/> |
| Annual Propane Savings | <input type="text"/> | (gallons) | Other Non-Repayable Funds | \$ <input type="text"/> |
| Annual Fuel Oil Savings | <input type="text"/> | (gallons) | Total Leveraged Funding | \$ <input type="text"/> |
| Measure SIR | <input type="text" value="0"/> | | | |

Please correct the following:

- Annual Energy Cost Savings is required.
- Measure Cost is required.
- Either Demand Savings, Annual Electric Savings, Annual Natural Gas Savings, Annual Propane Savings, or Annual Fuel Oil Savings must be entered.

Efficiency Measures Summary

| Pre/Post Description | Annual Energy Cost Saving | Measure Cost | SIR |
|--|---------------------------|-----------------------|------|
| Upgrade interior lighting to LED lights | \$13,163.94 | \$127,766.00 | 1.82 |
| Upgrade exterior lights to LEDs | \$3,807.32 | \$95,535.00 | 0.85 |
| upgrade interior and exterior lighting controls | \$1,440.38 | \$23,259.00 | 0.66 |
| Install new Chiller and boiler equipment on site | \$16,486.07 | \$1,070,908.00 | 0.76 |
| Upgrade HVAC AHU from CV to VAV | \$24,689.41 | \$229,420.00 | 1.89 |
| Totals: | \$59,587.12 | \$1,546,888.00 | |

- **ADD:** Use ADD button when EEM information is complete
- **Please correct the following:** If applicable the LEA will need to fix errors listed here
- **Efficiency Measures Summary:** A list of EEMs that have been successfully added to the EEP
 - *An added EEM can be updated or deleted by selecting the EEM from this list



Expenditure Plan & Site Summary: *Efficiency Measure*

Annual Fuel Oil Savings (gallons) Total Leveraged Funding \$

Measure SIR

Efficiency Measures Summary

| Pre/Post Description | Annual Energy Cost Saving | Measure Cost | SIR |
|--|---------------------------|-----------------------|------|
| Upgrade interior lighting to LED lights | \$13,163.94 | \$127,766.00 | 1.82 |
| Upgrade exterior lights to LEDs | \$3,807.32 | \$95,535.00 | 0.85 |
| upgrade interior and exterior lighting controls | \$1,440.38 | \$23,259.00 | 0.66 |
| Install new Chiller and boiler equipment on site | \$16,486.07 | \$1,070,908.00 | 0.76 |
| Upgrade HVAC AHU from CV to VAV | \$24,689.41 | \$229,420.00 | 1.89 |
| Totals: | \$59,587.12 | \$1,546,888.00 | |

- **SAVE CURRENT PROCESS:**
Use the SAVE CURRENT PROCESS button **after** an EEM has been added, updated, or deleted



Expenditure Plan & Site Summary: Photovoltaic

Site Benchmarking Efficiency Measure **Photovoltaic** Power Purchase Agreements Summary

Proposition 39 Share for Photovoltaic Measures: \$84,000.00

Photovoltaic Detail

* Effective Useful Life

| | |
|--|--|
| * PV System Size <input type="text"/> (kW/AC) | * Year 1 Energy Cost Savings \$ <input type="text"/> |
| * Inverter Size <input type="text"/> (kW) | * Measure Cost \$ <input type="text"/> |
| * Year 1 Production <input type="text"/> (kWh) | Rebates \$ <input type="text"/> |
| Demand Savings <input type="text"/> (kW) | Other-Non-Repayable Funds \$ <input type="text"/> |
| Measure SIR <input type="text"/> | Total Leveraged Funding \$ <input type="text"/> |

ADD

- **Prop 39 Share for PV Measures:** Enter the total amount of prop 39 to be used on **all** PV measures at the site (*new field*)
- **Effective Useful Life:** Use drop down menu to select the EUL of system (*new field*)
- **Inverter Size:** Enter the total inverter capacity for the system (*new field*)



Expenditure Plan & Site Summary: Photovoltaic

Photovoltaic Detail

* Effective Useful Life

* PV System Size (kW/AC) * Year 1 Energy Cost Savings \$

* Inverter Size (kW) * Measure Cost \$

* Year 1 Production (kWh) Rebates \$

Demand Savings (kW) Other-Non-Repayable Funds \$

Total Leveraged Funding \$

Measure SIR

Please correct the following:

- Effective Useful Life is required.
- PV Size is required.
- Year 1 Energy Cost Savings is required.
- Inverter Size is required.
- Measure Cost is required.
- Year 1 Production is required.

Photovoltaic Project Summary

| PV System Size (kW/AC) | Demand Savings (kW) | Yr 1 Production (kWh) | Yr 1 Energy Cost Savings | Inverter Size (kW) | Measure Cost | Total Leveraged Funding | SIR |
|------------------------|---------------------|-----------------------|--------------------------|--------------------|--------------|-------------------------|------|
| 12.6 | 3 | 18900 | \$3,647.00 | 15 | \$84,000.00 | | 0.70 |
| Totals: | | | \$3,647.00 | | \$84,000.00 | | |

- **ADD:** Use ADD button when PV measure information is complete
- **Please correct the following:** If applicable the LEA will need to fix errors listed here
- **Photovoltaic Project Summary:**
 - A list of PV measures that have been successfully added to the EEP
 - An added PV measure can be updated or deleted by selecting the PV measure from this list



Expenditure Plan & Site Summary: Photovoltaic

Demand Savings (kW) Other-Non-Repayable Funds \$

Total Leveraged Funding \$

Measure SIR

Photovoltaic Project Summary

| PV System Size (kW/AC) | Demand Savings (kW) | Yr 1 Production (kWh) | Yr 1 Energy Cost Savings | Inverter Size (kW) | Measure Cost | Total Leveraged Funding | SIR |
|------------------------|---------------------|-----------------------|--------------------------|--------------------|--------------------|-------------------------|------|
| 12.6 | 3 | 18900 | \$3,647.00 | 15 | \$84,000.00 | | 0.70 |
| Totals: | | | \$3,647.00 | | \$84,000.00 | | |

- SAVE CURRENT PROCESS:**

Use the SAVE CURRENT PROCESS button after a PV measure has been added, updated, or deleted



Expenditure Plan & Site Summary: *Power Purchase Agreements*

Site Benchmarking Efficiency Measure Photovoltaic **Power Purchase Agreements** Summary

Proposition 39 Share for Power Purchase Agreements: \$

Power Purchase Agreement Detail

| | | |
|--|--|--|
| * PV Size <input type="text"/> (kW AC) | Peak Demand Savings <input type="text"/> (kW) | |
| * Year 1 PV Production <input type="text"/> (kWh) | * Term of the PPA Agreement <input type="text"/> | |
| * PV Production as % of LEA School Site Annual Electricity Use <input type="text"/> (%) | * First Year PPA Electricity Cost <input type="text"/> (\$) | |
| * % Price Discount Offered on Price First Year <input type="text"/> (%) | * PPA Electric Price Escalation <input type="text"/> (%) | |
| * NPV of Utility Cost Savings \$ <input type="text"/> | * NPV of Payment to PPA Vendor \$ <input type="text"/> | * NPV of Prop 39 Contribution \$ <input type="text"/> |

PPA SIR

ADD

- **Prop39 Share for PPAs:**
Enter the total amount of prop 39 to be used on **all** PPAs at the site (*new field*)
- **Power Purchase Agreement Detail:** The fields associated with PPAs includes a number of new fields that are required (*new fields*)



Expenditure Plan & Site Summary: Power Purchase Agreements

Power Purchase Agreement Detail

| | | |
|--|--|--|
| * PV Size <input type="text"/> (kW AC) | Peak Demand Savings <input type="text"/> (kW) | |
| * Year 1 PV Production <input type="text"/> (kWh) | * Term of the PPA Agreement <input type="text"/> | |
| * PV Production as % of LEA School Site Annual Electricity Use <input type="text"/> (%) | * First Year PPA Electricity Cost <input type="text"/> (\$) | |
| * % Price Discount Offered on Price First Year <input type="text"/> (%) | * PPA Electric Price Escalation <input type="text"/> (%) | |
| * NPV of Utility Cost Savings \$ <input type="text"/> | * NPV of Payment to PPA Vendor \$ <input type="text"/> | * NPV of Prop 39 Contribution \$ <input type="text"/> |

PPA SIR:

Please correct the following:

- PV Size is required.
- Year 1 PV Production is required.
- Term of the PPA Agreement is required.
- PV Production as % of LEA School Site Annual Electricity Use is required.
- First Year PPA Electricity Cost is required.
- % Price Discount Offered on Price First Year is required.
- PPA Electric Price Escalation is required.
- NPV of Utility Cost Savings is required.
- NPV of Payment to PPA Vendor is required.
- NPV of Prop 39 Contribution is required.

Power Purchase Agreements Summary

No Power Purchase Agreements Data.

- **ADD:** Use ADD button when PPA information is complete
- **Please correct the following:** If applicable the LEA will need to fix errors listed here
- **Power Purchase Agreement Summary:** A list of PPAs that have been successfully added to the EEP
 - An added PPA can be updated or deleted by selecting the PPA from this list



Expenditure Plan & Site Summary: *Power Purchase Agreements*

| | | | | | |
|--|---|--|--|------------------------------------|--|
| \$ | | \$ | | \$ | |
| PPA SIR | <input type="text"/> | | | <input type="button" value="ADD"/> | |
| Power Purchase Agreements Summary | | | | | |
| No Power Purchase Agreements Data. | | | | | |
| <input type="button" value="BACK TO EEP SUMMARY"/> | <input type="button" value="SAVE CURRENT PROCESS"/> | <input type="button" value="COMPLETE SITE"/> | <input type="button" value="DELETE SCHOOL"/> | | |

- **SAVE CURRENT PROCESS:**

Use the **SAVE CURRENT PROCESS** button **after** a PPA has been added, updated, or deleted



Expenditure Plan & Site Summary: Summary

Site Benchmarking Efficiency Measure Photovoltaic Power Purchase Agreements **Summary**

ALL INFORMATION IN THE SUMMARY TAB IS CALCULATED AUTOMATICALLY.

Savings Summary

| | | | |
|----------------------------------|-------|-------------------------------|--------------|
| Total Demand Savings | 3 | Total Annual Fuel Oil Savings | 0 |
| Total Annual Electric Savings | 84660 | Total Annual Cost Savings | \$ 18,425.50 |
| Total Annual Natural Gas Savings | 432 | Total Annual Propane Savings | 0 |

Cost & Rebates

| | | | |
|---------------------------|---------------|---------------------------------|---------------|
| Total Project Cost | \$ 156,000.00 | Total Prop 39 Share | \$ 156,000.00 |
| Total Cost Paid Under PPA | \$ 0.00 | | |
| Total Rebates | \$ 0.00 | Total Other Non-Repayable Funds | \$ 0.00 |

- **Total Project Cost** must be greater than **Total Prop 39 Share** plus **Total Rebates** plus **Total Other Non-Repayable Funds**



Expenditure Plan & Site Summary: *Complete Site*

| Cost & Rebates | | | | | | |
|---------------------------|----|---|---------------------------------|----|---|----------|
| Total Project Cost | \$ | <input type="text" value="156,000.00"/> | Total Prop 39 Share | \$ | <input type="text" value="164,000.00"/> | i |
| Total Cost Paid Under PPA | \$ | <input type="text" value="0.00"/> | | | | |
| Total Rebates | \$ | <input type="text" value="0.00"/> | Total Other Non-Repayable Funds | \$ | <input type="text" value="0.00"/> | |

Please correct the following:

- **Summary** - The Total Project Cost must be greater than Total Prop 39 Share plus Total Rebates plus Total Other Non-Repayable Funds.

- **COMPLETE SITE:** Use the COMPLETE SITE button when all information for the site has been input
- **Please Correct the Following:** If applicable the LEA will need to fix errors listed here
- Upon successful completion the LEA will be notified and brought back to the EEP Summary (initial four subsections)



Expenditure Plan & Site Summary: *Complete Site*

Energy Planning & Training **Schools/Sites** Job Creation Certifications

Please type the school name: **Press the down arrow key see a complete list of available schools.*

Click here to search...

| Status | School/Site Name | CDS Code | Project Cost | Prop.39 Share |
|------------------|------------------|----------------|-----------------------|-----------------------|
| Pending | San Leandro High | 01612910137588 | \$1,546,888.00 | \$1,294,341.00 |
| Completed | John Muir Middle | 01612916066518 | \$156,000.00 | \$156,000.00 |
| Estimated Total: | | | \$1,702,888.00 | \$1,450,341.00 |

- **Completed (Status):** All required information has been input and the site has been successfully completed
- **Pending (Status):** Some required information has not been input and the site is still requires additional information before completion



Expenditure Plan & Site Summary: *Submitting an EEP*

TYPE Name of Authorized Representative: /s/ * Date:

Please correct the following:

- **Certifications** - Authorized Representative signature is required.
- **Schools/Sites** - Supporting documents for the schools/sites must be submitted. Please upload supporting documents from the schools/sites tab.

- **REVIEW EEP:** Use the REVIEW EEP button when all information for the EEP has been input to bring up an EEP summary and move to Review & Submit section
- **Please Correct the Following:** If applicable the LEA will need to fix errors listed here



Review & Submit: Power Purchase Agreements

- 1 LEA Summary
- 2 Expenditure Plan & Site Summary
- 3 Review & Submit

California Energy Commission Proposition 39 Program
Expenditure Plan Summary



| Expenditure Plan Summary | | | |
|-----------------------------------|----------------|------------------------------------|--|
| Fiscal Year: | 2015-16 | Expenditure Plan Submittal Option: | Multiple-Year (bundled) Award Expenditure Plan |
| Total Award Allocation Remaining: | \$1,000,000.00 | Grant Amount Request: | \$1,460,341.00 |
| | | Bundled SIR: | 1.13 |

| Application Information | | | |
|------------------------------------|--------------------------------------|-----------|-------------------|
| Local Education Agency (LEA) Name: | San Leandro Unified | Tier: | 4 |
| LEA CDS Code: | 01612910000000 | City: | San Leandro |
| Mailing Address: | 14735 Juniper St | Zip Code: | 94679 |
| LEA Authorized Representative: | John Smith Superintendent | Phone: | (555) 555-5555 |
| Title: | | E-mail: | j.smith@test.test |
| Project Manager: | Jane Smith Maintenance Supervisor | Phone: | (555) 555-5555 |
| Title: | | E-mail: | j.smith@test.test |

| Energy Planning Reservation Information (only available for fiscal year 2013-2014 award) | | | |
|--|--------------------|---|--------------------|
| Did you request Energy Planning Funds? Yes | | | |
| Budget for Energy Surveys and Energy Audits: | \$10,000.00 | Amount Spent for Energy Surveys and Energy Audit: | \$4,320.00 |
| Budget for Proposition 39 Program Assistance: | \$20,000.00 | Amount Spent for Proposition 39 Program Assistance: | \$13,560.00 |
| Budget for Energy Manager: | \$15,000.00 | Amount Spent for Energy Manager: | \$9,270.00 |
| Budget for Training: | \$8,000.00 | Amount Spent for Training: | |
| Total: | \$51,000.00 | | \$27,150.00 |

| Energy Manager and Training | |
|---|---------------------------------------|
| Are you hiring an Energy Manager with funds requested in this Expenditure Plan? | Amount requesting for Energy Manager: |
| Are you using Proposition 39 funds for energy related training costs? | Amount requesting for Training: |

Self-Certifications

- The LEA followed the Proposition 39 Guidelines regarding eligible energy project/prioritization considerations.
- The LEA followed the guidelines regarding sequencing of facility improvements.
- The LEA commits to use the funds for the eligible energy project(s) approved in its energy expenditure plan.
- The LEA commits the information included in the application is true and correct based to the best of the LEA's knowledge.
- The LEA commits that all California Environmental Quality Act (CEQA) requirements are completed.
- The LEA will obtain DSA project approval as applicable pursuant to California Code of Regulations, Title 24.
- The LEA acknowledges that the expenditures are subject to financial audit requirements (Public Resources Code Section 26206(e) and 26240(g)).
- The LEA commits to complying with all reporting requirements.

Reminder: Please remember to include the signed Utility Data Release Authorization Form for your utility provider to release data to the Energy Commission

TYPE Name of Authorized Representative: /s/ John Smith Date: 2/24/2015

Summary of Schools/Sites

List all schools/sites where Proposition 39 funds from this Expenditure Plan will be used. Each school/site listed must have a Expenditure Plan Project Summary Form B completed and attached.

| Name | CDS Code | Total Project Cost | Proposition 39 Share |
|-------------------------|----------------|-----------------------|-----------------------|
| San Leandro High | 01612910137598 | \$1546888.00 | \$1294341.00 |
| John Little Middle | 01612910066516 | \$150000.00 | \$150000.00 |
| Estimated Total: | | \$1,702,888.00 | \$1,460,341.00 |

- **SUBMIT:** Use the SUBMIT button to finalize the EEP and send to the Energy Commission for review
- **BACK TO EEP SUMMARY:** Use the BACK TO EEP SUMMARY button to return to the Expenditure Plan & Site Summary section to further edit the EEP

[SUBMIT](#) [BACK TO EEP SUMMARY](#)



Questions...

About the Energy Expenditure Plan Online System?





*Let's talk about the
Utility Data Release Forms*



Utility Data Release Authorization Form & Facility and Service Account Information Form

- LEAs must identify all electric and natural gas accounts for **all** of its schools and facilities and provide a signed utility data release form for each utility provider allowing the Energy Commission to access both historical (the past 12 months) and future utility billing data through 2023
- Energy Commission will work directly with the Utilities to transfer the LEAs energy usage data



Utility Data Release Authorization Form & Facility and Service Account Information Form

What's New

- Instead of one form, there are now two forms:
 - Utility Data Release Authorization Form (CEC-12)
 - Facility and Service Account Information Form (CEC-24)
- Effective immediately, the Energy Commission will no longer accept the old form.



Utility Data Release Authorization Form & Facility and Service Account Information Form

What's New

- LEAs must submit these two forms only **once** as part of their first Energy Expenditure Plan.
- LEAs who have already submitted the old form need not submit again *except*:
 - if the LEA's utility requires the LEA to fill out the new Utility Data Release Authorization Form.
 - if there are changes to the number of facilities under the LEA's jurisdiction.



Utility Data Release Authorization Form & Facility and Service Account Information Form

What's New

- LEAs must use a computer to type in all the information in these new forms. Handwritten forms are no longer accepted.
- The CEC-12 must be printed, signed by the LEA authorized representative, then scanned into your computer and uploaded to the Energy Expenditure Plan Online System in the “Supporting Documents” section.
- The CEC-24 must be uploaded in its original format.



Utility Data Release Authorization Form & Facility and Service Account Information Form

What's New

- LEAs must forward the original signed CEC-12 and the completed CEC-24 to the respective utility providers.

A list of contacts is provided below:

- Pacific Gas and Electric: CorrespondenceManag@pge.com
- San Diego Gas and Electric: Rmaderazo@semprautilities.com
- Southern California Gas: P.O. Box 3150, San Dimas, CA 91773
- Southern California Edison: 3rdParty@sce.com



Utility Data Release Authorization Form (CEC-12)

STATE OF CALIFORNIA
UTILITY DATA RELEASE AUTHORIZATION FORM
CEC-12 (09/16)

CALIFORNIA ENERGY COMMISSION 

AUTHORIZATION TO RELEASE CUSTOMER INFORMATION TO THE CALIFORNIA ENERGY COMMISSION ON A CUSTOMER'S BEHALF FOR PROPOSITION 39 IMPLEMENTATION ONLY
THIS IS A LEGALLY BINDING DOCUMENT PLEASE READ IT CAREFULLY
(Print Name or Type)

I, _____ am the authorized representative of _____
Name and Title (if applicable)

Name of Customer of Record (Customer), which has the following mailing address:

Mailing Address

City

State

Zip Code

and do hereby authorize _____
Name of Utility

hereafter referred to as "Utility", to release Customer's name and historic and future electric and/or gas service usage and billing data as specified by the California Energy Commission (Energy Commission), in order to meet the regulations and compliance requirements implementing Proposition 39 (adopted by voters November 6, 2012), Senate Bill 73 (Statutes 2013, Chapter 29, Sections 2-3) and Senate Bill 97 (Statutes 2013, Chapter 357). Under those regulations and requirements, Customer is responsible for providing an authorization to the Utility to release historic and future electric and/or natural gas usage and billing data for all schools and facilities under Customer's jurisdiction to the Energy Commission. Specifically, Public Resources Code, section 26240, subd. (a) states, "In order to later quantify the costs and benefits of funded projects, an entity that receives funds from the Job Creation Fund shall authorize its local electric and gas utilities to provide 12 months of past and ongoing usage and billing records at the school facility site level to the Energy Commission."

I understand and accept that any related release of customer information can be made part of the public record unless the Energy Commission has designated the information as confidential pursuant to California Code of Regulations, Title 20, Sections 2501-2510.

The Utility and the Energy Commission shall use best available practices to make the required data transmittals in an agreed upon electronic format as specified by the Energy Commission.

The historic data to be provided to the Energy Commission under this authorization is for the July 1-June 30 fiscal year (FY) that immediately precedes the FY in which the Customer submits an Energy Expenditure Plan (Plan) to the Energy Commission (e.g., if the Plan is submitted between July 1, 2014-June 30, 2015 FY, the historic data is for July 1, 2013-June 30, 2014). This authorization provides for future electric and/or gas service usage and billing data to be provided to the Energy Commission for each FY through 2023 no later than December 31 of each calendar year in which the FY ends.

(print or type the name of Customer's authorized representative), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer listed at the top of this form and that I have the authority to contractually and financially bind the Customer. I understand that Utility reserves the right to verify any authorization request submitted before releasing information or taking any action pursuant to this verification. I hereby release, hold harmless, defend and indemnify (i) Utility and its officers, agents and employees from any and all liability, claims, demands, causes of action, damages or expenses arising from or related to the release of the historic and future electric and/or gas service usage and billing data made in accordance with and pursuant to this authorization; and (ii) the Energy Commission and the State of California and their respective officers, agents and employees from any and all liability, claims, demands, causes of action, damages or expenses arising from or related to the use, maintenance and disclosure (publicly or otherwise) of historic and future usage data that occurs in accordance with and pursuant to this authorization.

Authorized Customer Signature

Telephone Number

Executed this _____ day of _____, _____ at _____
Month Year City and State Where Executed



Facility and Service Account Information Form (CEC-24)

STATE OF CALIFORNIA
 FACILITY AND SERVICE ACCOUNT INFORMATION FORM
CEC-24 (REV. 05/10) CALIFORNIA ENERGY COMMISSION

LIST OF EVERY ELECTRIC AND GAS ACCOUNT FOR ALL SCHOOLS AND FACILITIES UNDER A CUSTOMERS JURISDICTION

As a condition of receiving Proposition 99 funds, the Local Education Agency (LEA) must identify the following information for all schools and facilities under their jurisdiction. Incomplete and/or inaccurate submission of the information required in this form may result in a delay of the approval of the LEA's Energy Expenditure Plan.

A list of the required facilities can be obtained by entering the first seven digits of your CDS code into the "CDS Code" field and selecting the "Search" button on the page found at: <http://www.cde.ca.gov/irs/d/>

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

| | | | |
|----------------------|----------------------|-------------------------|----------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| School/Facility Name | CDS Number | Electric Service Acct # | Natural Gas Service Acct # |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Service Address | City | ZIP+4 | Contact Phone |

1

Tools:

<http://www.cde.ca.gov/re/sd>

https://tools.usps.com/go/ZipLookupAction_input



Questions...

About the Utility Data Release & Account Information Forms?





*Let's talk about the
Energy Savings Calculators*



Proposition 39: *Energy Savings Calculators*

- The energy saving calculators are for LEAs to calculate energy savings without doing a complete energy audit.
- The calculators now include 11 lighting measures, 9 HVAC measures, 2 plug load measures and 1 PV measure.
- The energy savings were calculated based the DEER database ECM savings and effective useful life data.
- LEAs can submit selected ECMs in the calculators with an equipment survey to apply for P39 grants.
- The Energy Savings Calculators can be downloaded at <http://www.energy.ca.gov/efficiency/proposition39/>



Energy Savings Calculators

The energy efficiency measures are listed in four categories as follows:

Lighting Energy Efficiency Measures:

- ECM 1 Replace incandescent light with compact fluorescent
- ECM 2 Replace incandescent light with light-emitting diode (LED) light
- ECM 3 & 4 Convert incandescent/CFL exit sign to LED exit sign
- ECM 5 & 6 Convert T12 fluorescent to T8 with electronic ballast or LED lamps
- ECM 7 Replace 32 watt T8 lamps with 28 watt T8 lamps
- ECM 8 & 9 Replace exterior mercury vapor/HPS with LED/induction lights
- ECM 10 Install occupancy control for intermittently occupied rooms

HVAC/Mechanical Efficiency Measures:

- ECM 11 Replace old packaged/split HVAC unit (up to 65KBtu) with high-efficiency HVAC
- ECM 12 Replace old heat pump (up to 65 kBtu) with high-efficiency heat pump
- ECM 13A Replace boiler with high-efficiency condensing boiler
- ECM 13B Replace furnace with high-efficiency condensing furnace
- ECM 14 Seal existing leaky duct
- ECM 15 Install variable speed drive for pumps and fans
- ECM 16 Replace manual thermostat with programmable thermostat
- ECM 17 Replace old motor with premium efficiency motor
- ECM 18 Replace storage water heater with gas-fired tankless water heater

Plug-Load Efficiency Measures:

- ECM 19 Install smart strip/PC management to control computers/printers
- ECM 20 Install vending machine occupancy control

Simple Photovoltaic (PV) Self-Generation Project

- ECM 21 Install PV System



Energy Savings Calculators

Benchmarking Example:

| | | | | | | | | |
|--|--|--|--|------------|-------------|---------------------------|-------------|--------------------|
| Benchmarking Calculator | | Version 6 | | | | | | |
| School Information | | | | | | | | |
| School Name | Happy Valley Elementary | | | | | | | |
| School CDS Code | 161190000000 | | | | | | | |
| Mailing Address | 123 ABC Street, Happy Valley, CA 92562 | | | | | | | |
| Electric Utility: | PG&E | PG&E or SCE etc | | | | | | |
| Gas Utility: | PG&E | | | | | | | |
| Billing Period (Fiscal Year) | 2012-13 | Fiscal year | Energy Use Intensity (EUI) Calculator | | | | | |
| Total Square Footage of School | 10,000 | | Electricity | | Natural Gas | | Other Fuels | |
| | | | 0.60 | W/SF | - | Therms/SF/Yr | 0.66 | Propane gal/SF/Yr |
| | | | 14.85 | kWh/SF/Yr | \$ - | Gas Cost/SF/Yr | - | Fuel Oil gal/SF/Yr |
| | | | \$ 1.39 | Cost/SF/Yr | | | \$ 1.31 | Fuel Cost/SF/Yr |
| | | | Energy Costs/SF/Year: | \$ 2.70 | | Energy EUI(Kbtu)/SF/Year: | 219.7 | |
| Electricity | | | | | | | | |
| Average Maximum Demand (kW): | 6 | | | | | | | |
| Annual PV Electricity Production(kWh) | 40230 | Do you have onsite PV? enter 0 if no PV. | | | | | | |
| Electricity Purchase from Utility(kWh) | 108285 | | | | | | | |
| Total Annual Electric Use (kWh): | 148515 | | | | | | | |
| Cost paid to PPA vendor & other supplier | \$ - | | | | | | | |
| Total Annual Electric Charges (\$) | 13896 | | | | | | | |
| Natural Gas | | | | | | | | |
| Total Annual Natural Gas Use (therms): | 0 | | | | | | | |
| Total Annual Gas Charges (\$): | 0 | | | | | | | |
| Other Fuels (if applicable) | | | Average Cost | | | | | |
| Total Annual Propane Use(gals): | 6550 | | Electricity | \$ 0.127 | \$/kWh | | | |
| Total Annual Propane Charges(\$): | 13100 | | Natural Gas | 0 | \$/therm | | | |
| | | | Propane | 2.0 | \$/gal | | | |
| Total Annual Fuel Oil Use(gals): | 0 | | Fuel Oil | 0.0 | \$/gal | | | |
| Total Annual Fuel Oil Costs(\$): | 0 | | | | | | | |



Energy Savings Calculators

HVAC Example:

| ECM 12 | Replace old heat pump with high efficiency heat pump | Fill in your answers |
|--|---|----------------------|
| This calculator only applies to heat pump up to 65KBtu/hr or 5.4 tons | | |
| | Total quantity of AC and heat pump unit at school | 20 |
| | Total tonnage of AC and heat pump unit at school | 80 |
| | Quantity of HP to be replaced with SEER 13 (HSPF 7.7) unit? | 2 |
| | Quantity of HP to be replaced with SEER 14 (HSPF 8.3) unit? | 2 |
| | Quantity of HP to be replaced with SEER 15 (HSPF 8.8) unit? | 2 |
| | What is the total HP tonnage to be replaced with SEER 13 unit? | 10 |
| | What is the total HP tonnage to be replaced with SEER 14 unit? | 10 |
| | What is the total HP tonnage to be replaced with SEER 15 unit? | 10 |
| | What is the IOU (or nearest IOU) area the unit is installed? | SCE&SCG |
| | What is the total installed cost for this measure? \$ | 45,000 |
| | What is the utility rebate for this measure? \$ | 100 |
| | Are there other non-repayable funds applied to this measure? \$ | 1,000 |

Choose your utility

| Adjusted Energy Savings Summary | |
|---------------------------------|------------------------------------|
| This project saves | 8.3 kW peak demand |
| and | 19,860 kWh electricity use. |
| and | - therms natural gas |
| or | 0.0gallons of Propane |
| or \$ | 2,530 energy cost annually. |
| Simple Payback is | 17.7years. |
| Saving to Investment Ratio | 1.07 |



Energy Savings Calculators

Lighting Example:

| Convert 32 Watt T8 fluorescent fixture to LED lamps | Fill in your answers | Adjusted Energy Savings Summary | | | |
|--|----------------------|---------------------------------|----------------------------|------------------------|-----------------------|
| <p><i>This ECM is for 4-foot linear fluorescent. If 8-foot fluorescent is converted to two 4-foot, multiply the quantity of lamp by two.</i></p> | | | | | |
| Quantity of 32 watt T8 lamps to be replaced with LED lamps? | 200 | | This measure saves | 0.54 kW peak demand | |
| What is the total installed cost for this measure? | \$ 6,000 | | and | 6,523 kWh energy use. | |
| What is the utility rebate for this measure? | \$ 1,000 | | and | 0.0 therms natural gas | |
| | | | or | -32.8 gallons of | Propane |
| | | | or | \$ 765.4 | energy cost annually. |
| | | | Simple Payback is | 6.53 years. | |
| | | | Saving to Investment Ratio | 2.48 | |



Energy Savings Calculators

Total/Summary for online data input:

| Adjusted Energy Savings Summary* | | | | | | | | | | | |
|----------------------------------|--|----------------|---------------|---------------|-----------------|------------------|---------------------|------------------|--------------------------------------|----------------|--------------|
| ECM | Energy Efficiency Project | Demand Savings | kWh Savings | Therm Savings | Propane Savings | Fuel Oil Savings | Annual Cost Savings | Project Cost | Utility Rebate & Non-repayable funds | Simple Payback | Adjusted SIR |
| | | kW | kWh | Therms | Gallons | Gallons | \$ | \$ | \$ | Years | |
| ECM 1 | Replace incandescent light with compact fluorescent light | 0.07 | 667 | - | (4.4) | - | \$ 76 | \$ 50 | \$ - | 0.7 | 4.60 |
| ECM 2 | Replace incandescent light with LED light | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 3&4 | Convert incandescent/CFL exit sign to LED exit sign | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 5&6 | Convert T12 fluorescent to T8 with electronic ballast or LED lamps | 1.21 | 11,730 | - | (68.7) | - | \$ 1,357 | \$ 6,000 | \$ - | 4.4 | 3.43 |
| ECM 6A | Convert 32 Watt T8 fluorescent fixture to LED lamps | 0.54 | 6,523 | - | (32.8) | - | \$ 765 | \$ 6,000 | \$ 1,000 | 6.5 | 2.48 |
| ECM 7 | Replace 32 Watt T8 lamps with 28 Watt T8 Lamps | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 8&9 | Replace exterior mercury vapor/HPS with LED/Induction lights | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 10 | Install occupancy control for intermittently occupied rooms | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 11 | Replace old packaged/split HVAC unit with high efficiency HVAC | 1.17 | 4,484 | - | (51.5) | - | \$ 468 | \$ 10,000 | \$ 100 | 21.1 | 0.92 |
| ECM 12 | Replace old heat pump with high efficiency heat pump | 8.27 | 19,860 | - | (0.0) | - | \$ 2,530 | \$ 45,000 | \$ 100 | 17.7 | 1.04 |
| ECM 13A | Replace boiler with high efficiency condensing boiler | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 13B | Replace furnace with high efficiency condensing furnace | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 14 | Seal existing HVAC leaky duct | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 15 | Install variable speed drive for pumps and fans | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 16 | Replace manual thermostat with programmable/smart thermostat | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 17 | Replace old motor with premium efficiency motor | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 18 | Replace storage water heater with gas-fired tankless water heater | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 19 | Install smart strip/PC management to control computers/printers | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 20 | Install vending machine occupancy control | - | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| ECM 21 | Install photovoltaic system | 0.00 | - | - | - | - | \$ - | \$ - | \$ - | - | - |
| | Total | 11.27 | 43,264 | - | (157.5) | - | \$ 5,197 | \$ 67,050 | \$ 1,200 | 12.7 | 1.35 |



Energy Savings Calculators: *Version 6 Changes*

Calculator change 1

- Many LEAs with low energy use schools have produced 80-90% energy savings by using the calculators exclusively.
- Adjusted Savings at end use level (lighting, HVAC and plug loads) will be capped at 50%.



Energy Savings Calculators: *Version 6 Changes*

Calculator change 1 (*continued*)

- Percent of kWh in utility bill assigned to each end use category is assumed to be as follow:
 - Lighting 30% of kWh from utility bill
 - HVAC 50%
 - Plug Loads 10%
 - Weather and Miscellaneous 10%
- If calculated total energy savings from calculators are:
 - Lighting 18% of kWh from utility bill
 - HVAC 30%
 - Plug Loads 6%
- The model will cap the savings at 50% automatically:
 - Lighting 15% of kWh from utility bill
 - HVAC 25%
 - Plug Loads 5%



Energy Savings Calculators: Version 6 Changes

Calculator change 1 (*continued*)

Adjusted end use (lighting, HVAC and plug load) savings will be capped at 50% and shown in the following table.

| Adjusted Energy Savings Summary | | | |
|---------------------------------|-------|------|-----------------------|
| This measure saves | | 0.07 | kW peak demand |
| | and | 667 | kWh energy use. |
| | and | 0.0 | therms natural gas |
| | or | -4.4 | gallons of Propane |
| | or \$ | 76.2 | energy cost annually. |
| Simple Payback is | | 0.66 | years. |
| Saving to Investment Ratio | | 4.60 | |

- If savings are less than 50% in each end use area, no adjustment will be made.



Energy Savings Calculators: *Version 6 Changes*

Calculator Change 2

One new ECM 6A was included: Convert T8 fluorescent to LED lamps

| | |
|---------------|--|
| ECM 1 | Replace incandescent light with compact fluorescent light |
| ECM 2 | Replace incandescent light with LED light |
| ECM 3,4 | Convert incandescent/CFL exit sign to LED exit sign |
| ECM 5,6 | Convert T12 fluorescent to T8 with electronic ballast or LED lamps |
| ECM 6A | Convert 32 Watt T8 fluorescent fixture to LED lamps |
| ECM 7 | Replace 32 Watt T8 lamps with 28 Watt T8 Lamps |
| ECM 8,9 | Replace exterior mercury vapor/HPS with LED/Induction lights |
| ECM 10 | Install occupancy control for intermittently occupied rooms |



Energy Savings Calculators: *Version 6 Changes*

Calculator Change 3

PV calculator input assumptions modified:

1. Allowed LEAs to claim 25 year energy savings as an option with written warranty from vendor
 2. Changed inverter replacement cycle from 8 to 10 years
 3. Changed inverter replacement cost from \$0.7/watt to \$0.6/Watt
- PV project SIR has increased significantly and is more cost effective



Energy Savings Calculators: *Version 6 Changes*

Calculator Change 4

- Energy efficiency measure SIR may become negative or infinity in some rare cases. The formula has been modified to prevent that from happening.

Calculator Change 5

- LEAs need to submit a survey of equipment for selected ECMs in the calculators to apply for P39 grants (such as quantity, tonnage, efficiency, SEER, lamp wattage, building location or motor horsepower, etc.). *(Refer to Handbook for more information.)*
- Other minor changes (typos and wrong links)



*Let's talk about the
Power Purchase Agreement
Changes*



Power Purchase Agreement (PPA): *Changes*

- **PPA SIR calculation has been modified:**
 1. Net cost savings changed to gross utility cost savings
 2. Added Prop 39 contribution
- **New PPA SIR:**

| | |
|-----------|--|
| PPA SIR = | NPV of LEA Utility Cost Savings |
| | NPV of LEA Electricity Cost Paid under PPA+NPV of P39 Contribution |



Power Purchase Agreement (PPA): *Changes*

- **New terms and conditions were provided to protect LEAs.**
(see [*Guideline Appendix F*](#))
 1. Letter of Intent
 2. No Sole Source Agreement
 3. 70% production cap
 4. Vendor to provide performance guaranty
 5. Vendor to install, operate and maintain
 6. A few more



Power Purchase Agreement (PPA): *Changes*

- PPA calculator for PV vendor to calculate PPA savings based on same assumptions will be provided soon.
- Sample PPA solicitation package for LEAs will be provided in the near future.



*Let's talk about the
LEA Project SIR Worksheet*



LEA Project SIR Worksheet

Energy Expenditure Plans (EEP)

- » [Energy Expenditure Plan Handbook \(Revised Feb 2015\)](#)
(PDF file, 110 pages, 2.6 MB)
- » [Utility Data Release Authorization Form - \(CEC-12\)](#)
(PDF File, Revised February 2015)
- » [Facility and Service Account Information Form - \(CEC-24\)](#)
(PDF File, 6 pages, 532 KB)
- » [Listing of Utility Recipients for the CEC-12 and CEC-24 Forms](#)

EEP Resources

- » [Energy Savings Calculators, Version 6](#)
(Excel file, 156 KB)
[Summary of Changes](#)

- » [LEA Project SIR Worksheet Tool](#)
(Excel file, 6 MB)

Other Related Content

- » [Energy-Related Resources for Schools](#)
(PDF file, 44 pages, 252 KB)

Automated E-Mail Notifications

You will receive an email requesting that you confirm your subscription



LEA Project SIR Worksheet

| | | | | |
|----|------------------------------|--|--|--|
| 22 | Demand Savings - | Enter the demand savings associated with this energy efficiency measure. | | |
| 23 | | | | |
| 24 | Annual Electric Savings - | Enter the electric savings associated with this energy efficiency measure. | | |
| 25 | | | | |
| 26 | Annual Natural Gas Savings - | Enter the Natural Gas Savings associated with this energy efficiency measure. | | |
| 27 | | | | |
| 28 | Annual Propane Savings - | Enter the annual propane savings associated with this energy efficiency measure. | | |
| 29 | | | | |
| 30 | Annual Fuel Oil Savings - | Enter the annual fuel oil savings associated with this energy efficiency measure. | | |
| 31 | | | | |
| 32 | Annual Cost Energy Savings - | Enter the annual energy cost savings associated with this energy efficiency measure. | | |
| 33 | | | | |
| 34 | Measure Costs - | Enter the total cost for implementing this energy efficiency measure. | | |
| 35 | | | | |
| 36 | Rebates - | Enter the total rebate amount the LEA will apply to this energy efficiency measure. | | |
| 37 | | | | |
| 38 | Other Non-Repayable Funds - | Enter any additional non-repayable funds the LEA will apply to this energy efficiency measure. | | |
| 39 | | | | |
| 40 | Total Leveraged Funding - | The total leveraged funds being used for this | | |

Ready | Instructions | EEM LEA | PV LEA | PPA LEA | SIR

- Use tabs to navigate within the tool
- Enter measure information in appropriate tabs



LEA Project SIR Worksheet

| 2 | | | | | | | | | | | | | |
|----|--|------------------------|---------------------|-------------------------------|-------------------------------------|----------------------------------|-----------------------------------|---------------------------------|-------------------|--------------|--------------------------------|------------------------------|---------|
| 3 | Energy Efficiency Measure Drop down menu | Description | Demand Savings (kW) | Annual Electric Savings (kWh) | Annual Natural Gas Savings (therms) | Annual Propane Savings (gallons) | Annual Fuel Oil Savings (gallons) | Annual Cost Energy Savings (\$) | Measure Cost (\$) | Rebates (\$) | Other Non-Repayable Funds (\$) | Total Leveraged Funding (\$) | EEM SIR |
| 4 | Example: Lighting- Interior Fixture Retrofit | Replaced T12s with T8s | | 101,029 | - | | | \$ 14,511.00 | \$ 141,604.00 | | | | 1.69 |
| 5 | | | | | | | | | | | | \$ - | |
| 6 | | | | | | | | | | | | \$ - | |
| 7 | | | | | | | | | | | | \$ - | |
| 8 | | | | | | | | | | | | \$ - | |
| 9 | | | | | | | | | | | | \$ - | |
| 10 | | | | | | | | | | | | \$ - | |
| 11 | | | | | | | | | | | | \$ - | |
| 12 | | | | | | | | | | | | \$ - | |
| 13 | | | | | | | | | | | | \$ - | |
| 14 | | | | | | | | | | | | \$ - | |
| 15 | | | | | | | | | | | | \$ - | |
| 16 | | | | | | | | | | | | \$ - | |
| 17 | | | | | | | | | | | | \$ - | |

- Information entered into the tool is the same information that will be entered into the EEP
- Enter measure information for all sites to be included in the EEP



LEA Project SIR Worksheet

| | A | B | C |
|---|------------------------------|---|---|
| 1 | LEA Level SIR Calculation | | |
| 2 | Savings-to-Investment Ratio: | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

- After all information is entered, the LEA level SIR can be found on the SIR tab



Questions...

About the Energy Savings Calculators or LEA SIR Project Worksheet?





THANK YOU!



Energy Commission's Proposition 39 website:

<http://www.energy.ca.gov/efficiency/proposition39/index.html>

Contact our Prop 39 Hotline:

(855) 380-8722 (*Toll-free in-state*)

(916) 653-0392 (*Toll-line out-of-state*)

Contact us by email:

Prop39@energy.ca.gov

