

ACBO Fall Conference
Oxnard, CA
October 29, 2013

Proposition 39

The Clean Energy Jobs Act of 2012

Funding for Energy and Cost Saving Projects



Ann-Marie Gabel, Vice President
Long Beach CCD

Frederick E. Harris, Assistant Vice Chancellor
California Community Colleges Chancellor's Office

Lisa Hannaman, Account Manager
Southern California Edison



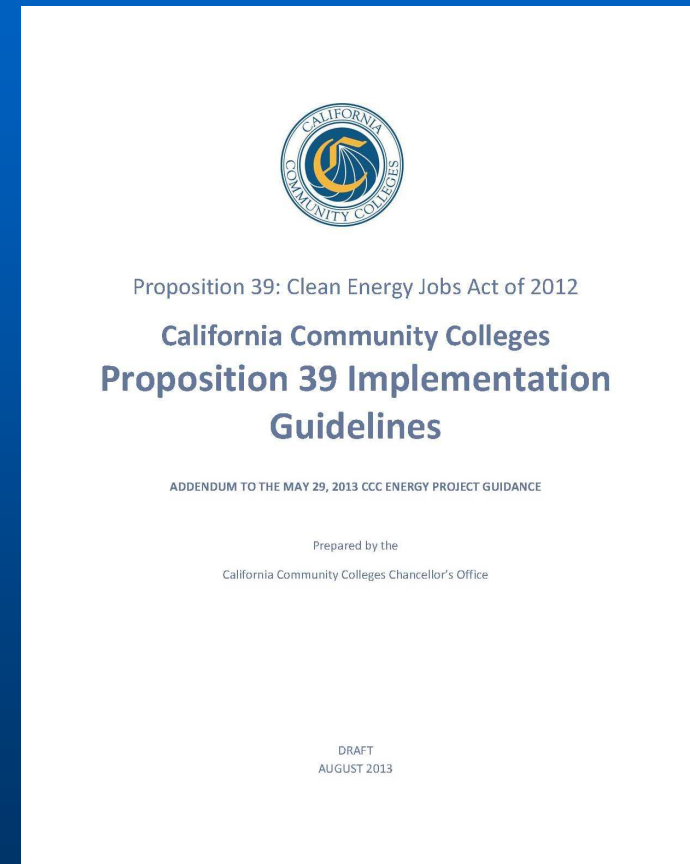
Proposition 39

- Adopted by the voters in November 2012 to close corporate tax loopholes and will provide roughly \$550 million annually to K-12 and CCC's for Energy Projects for five years
- CCC's will allocate \$40 million for FY 2013-2014 distributed on an FTES basis to all CCC Districts for energy efficiency and renewable generation projects
- The Chancellor's Office will use \$6 million of Proposition 39 annual funds to support energy efficiency and clean energy related workforce training in the California Community Colleges.



Proposition 39

- **Program Guidelines issued by Chancellors Office defines process and requirements**
 - **Project qualification criteria**
 - **Funding application process and disbursement**
 - **M&V and Reporting Requirements**
- **25 projects have been approved in October**
- **Monthly approvals and fund disbursement through apportionment process**





8 Districts with Approved Projects for October

District	Prop 39 Funding Amount
Cerritos CCD	\$575,754
Desert CCD	\$258,708
Long Beach CCD	\$706,947
North Orange CCD	\$1,164,517
Sequoias CCD	\$303,843
Marin CCD	\$51,534
San Mateo CCD	\$157,487
Mira Costa CCD	<u>\$183,899</u>
Total	\$3,402,690



25 Approved Projects for October

District	Campus	Project Description
Cerritos CCD	Cerritos College	Exterior Lighting
Cerritos CCD	Cerritos College	Interior Lighting
Cerritos CCD	Cerritos College	Walkway Lighting
Cerritos CCD	Cerritos College	RCx
Desert CCD	College of the Desert	RCx
Desert CCD	College of the Desert	Exterior Lighting
Long Beach CCD	Long Beach College	Condenser Water Pump VFD
Long Beach CCD	Long Beach College	Chilled Water Supply Reset
Long Beach CCD	Long Beach College	Condenser Water Reset
		Cooling Tower Optimization - Variable speed chiller plant optimization
Long Beach CCD	Long Beach College	Critical Zone Reset - Fan static pressure reset
Long Beach CCD	Long Beach College	Optimum Start-Stop EMS Control



25 Approved Projects for October – cont.

District	Campus	Project Description
Marin CCD	Novato Campus	Pool cover
Marin CCD	Novato Campus	Pool pump controls, VSD's
Marin CCD	Kentfield Campus	Pool pump controls, VSD's
MiraCosta CCD	MiraCosta College	Oceanside Parking & Road Lighting
North Orange CCCD	Fullerton College	Exterior Lighting
North Orange CCCD	Fullerton College	Interior Lighting
North Orange CCCD	Fullerton College	VFD Install on 4 Chillers
North Orange CCCD	Cypress College	Hallway LED Retrofit
North Orange CCCD	Cypress College	Interior Lighting
San Mateo CCCD	Canada College	Parking Lot Lighting
San Mateo CCCD	College of San Mateo	Parking Lot Lighting
Sequoias CCD	College of the Sequoias	Pool Cover Installation
Sequoias CCD	College of the Sequoias	Exterior Lighting Retrofit at Visalia and Hanford Campuses



Proposition 39

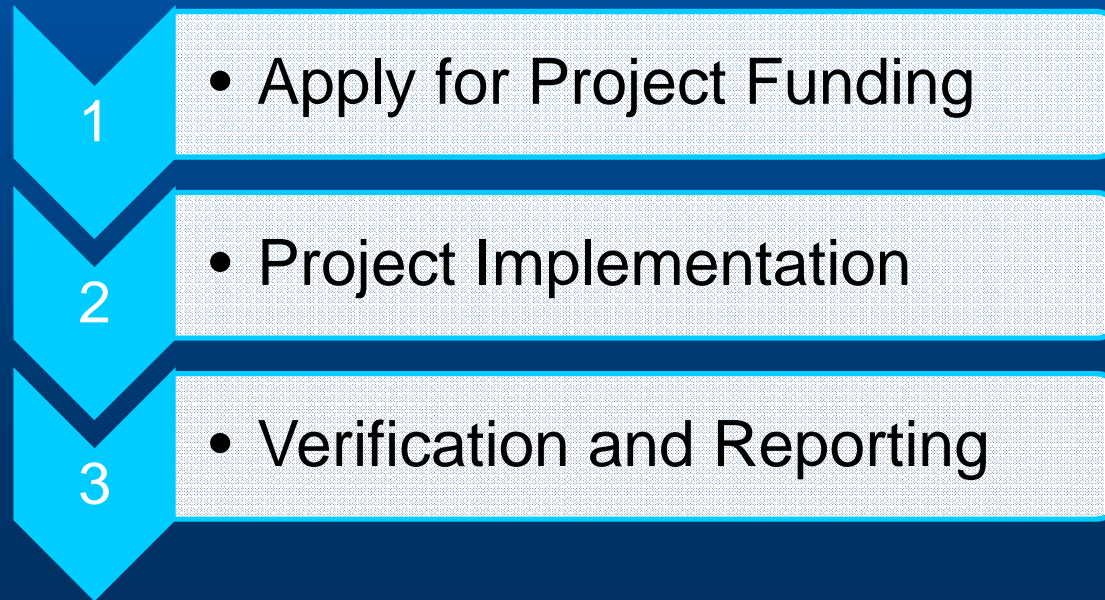
- Chancellors Office will work with Districts and CCC/IOU Partnership to identify and fund projects – currently \$350 million identified so far!
- Implementation will parallel CCC/IOU Partnership process to combine Prop 39 funds and leverage utility incentives. IOUs to provide technical assistance to identify and develop projects
- Chancellor's Office will also work with POUs to coordinate processes, services, and any incentives
- A Program Consultant will be contracted through CCCCO to provide program administration and technical assistance



Proposition 39 Implementation Guidelines

The Guidelines provide “step-by step” instructions for Proposition 39 Implementation

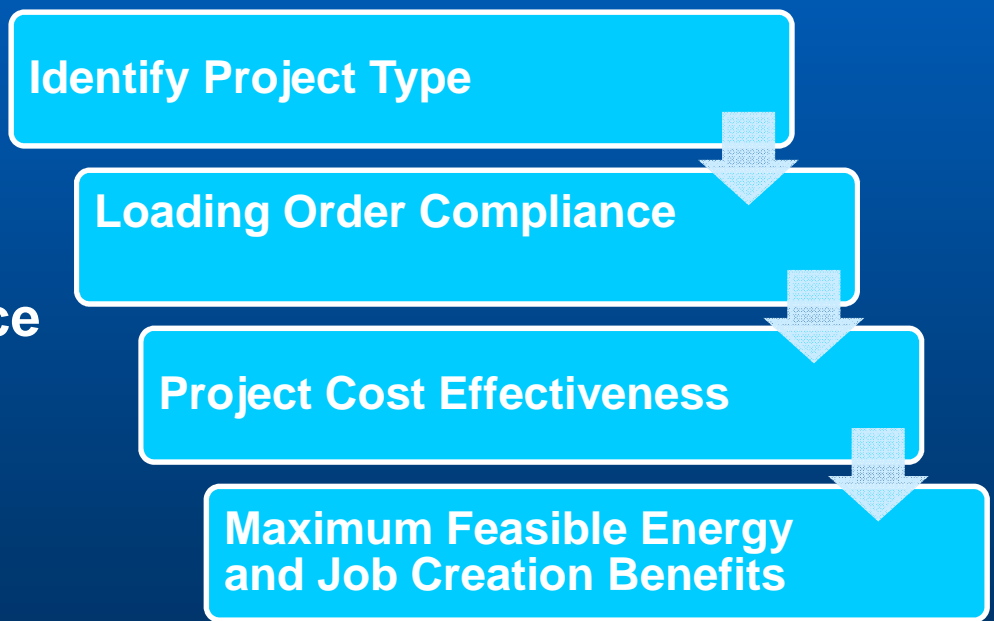
3 Primary Phases



1 • Apply for Project Funding

Screen and Prioritize Projects

- Project Types
 - Retrofit
 - MBCx, RCx
 - Renewable
 - Self-Gen
- “Loading Order” Compliance
 - EE, Renewables, Self-Gen
- Cost Effectiveness
 - SIR of 1.1 or greater
- Maximum Feasible Energy and Job Creation Benefits





- 1 • Apply for Project Funding

Technical Assistance Available using FTES Allocation

Activity	Funding Available
Screening Level Audit for Project Identification, Assistance with 12-month Usage Data	Up to \$0.05 per GSF
Detailed Energy Audits and Calculations to Support Funding Applications	Up to \$0.15 per GSF
Strategic Energy Planning, Benchmarking, Funding Applications, or other technical assistance	As Approved by the CO

- District Submit Proposal to the CO for Funding
- Technical Assistance not to exceed 20% of FTES Allocation

Proposition 39



- Apply for Project Funding

Project Funding Application Retrofit Projects (Form B)

- Separate Applications for MBCx, RCx, PV, and Self-Generation
- District submits to Chancellor's Office and Utilities

All Project Applications can be downloaded here:

<http://cccutilitypartnership.com/Prop39.html>

Form B - Proposition 39 Funding Application
Retrofit Application Summary

Project Name: 0	Contact Name: 0
District: 0	Contact Phone: 0
Campus: 0	Contact email: 0
Building: 0	Date: 1/0/1900

Project Summary

#	Location	Description
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Project Savings and Costs

#	CPUC Savings (kWh/yr)	Demand Savings (kW)	CPUC Savings (therms/yr)	Prop 39 Savings (kWh/yr)	Demand Savings (kW)	Prop 39 Savings (therms/yr)	CPUC Measure Cost	Prop 39 Measure Cost
1	-	-	-	-	-	-	\$0	\$0
2	-	-	-	-	-	-	\$0	\$0
3	-	-	-	-	-	-	\$0	\$0
4	-	-	-	-	-	-	\$0	\$0
5	-	-	-	-	-	-	\$0	\$0
6	-	-	-	-	-	-	\$0	\$0
7	-	-	-	-	-	-	\$0	\$0
8	-	-	-	-	-	-	\$0	\$0
9	-	-	-	-	-	-	\$0	\$0
10	-	-	-	-	-	-	\$0	\$0
Total	-	-	-	-	-	-	\$0	\$0

Year 1 Electricity Savings: \$0	Electricity Savings (kWh/yr): -	CPUC Savings	Prop 39 Savings
Year 1 Gas Savings: \$0	Demand Savings (kW): -	-	-
Year 1 Maintenance Savings: \$0	Gas Savings (therms/yr): -	-	-
Total Year 1 Savings: \$0			
Total CPUC Project Cost: \$0			
Total Prop. 39 Project Cost: \$0			
Estimated Utility Incentive: \$ -			
Prop. 39 Funding Allocation: \$0			
Grants/Additional Funding: \$0			
District Share of Project Cost: \$0			

Project SIR: 0.00

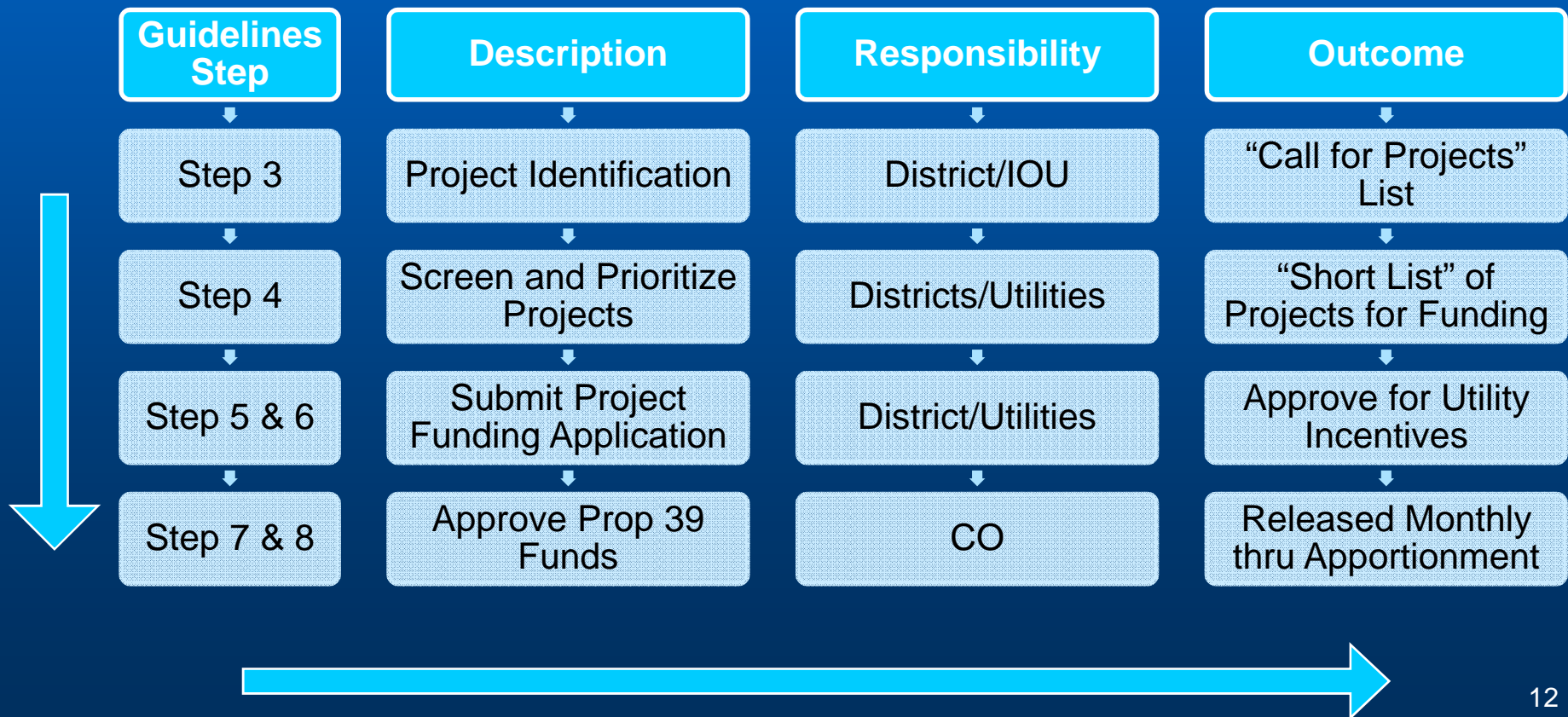
By signing below, I hereby commit the Community College District identified above to implement the energy projects identified on the referenced Project Name and Number using Proposition 39 funding allocated for this purpose by the Chancellor's Office, and will comply with the CCC Proposition 39 Energy Project Guidelines and all legal requirements.

Signed: _____
Name / Title: _____
District: _____
Date: _____



1 • Apply for Project Funding

Process Steps and Responsibilities





2

• Project Implementation

Contracting Requirements

- **Projects funded by awards shall require contracts that identify the project specifications, costs, and projected energy savings.**
- **Districts shall follow applicable law related to contractor qualifications, licensing, and certification requirements related to the project.**
- **Districts shall not use a sole-source process to award grant proceeds. Districts may use the best value criteria as defined in paragraph (1) of subdivision (c) of Section 20133 of the Public Contract Code to award funds. Best value is defined as “a value determined by objective criteria related to price, features, functions, and life-cycle costs”.**
- **Districts may use Government Code 4217 as a contracting method for energy projects as long as Districts comply with the criteria described above. It is recommended that Districts consult their legal team to ensure that these requirements are met.**

Proposition 39



• Project Implementation

Project Completion Form (Form E)

- Used for all project types
- District submits form to Chancellor’s Office and Utilities to trigger inspection and verification process

CCC PROPOSITION 39 PROJECT COMPLETION (FORM E)

Campus: use this form to notify the Partnership that you have completed a project and are ready to schedule IOU verification visit.

District: _____
 Campus: _____
 Contact at Campus/District: _____
 Title of Contact Person: _____
 Date This Form Prepared: _____

Project Title (From Initial Application): _____
 Project ID Number (If Available): _____
 Type of Project (Pick One): _____

FOR RETROFIT PROJECTS

All Measures Installed? YES NO
 Date Final Measure Operational: _____

FOR MBCx/Rcx PROJECTS

Low-Cost/No-Cost Changes Implemented? YES NO
 Post Implementation Summary Spreadsheet (Form D) Submitted? YES NO

FOR ALL OTHER PROJECTS (SGIP, New Construction, Solar)

All Measures Installed? YES NO
 Date Final Measure Operational: _____

PROJECT RESULTS	Proposed Savings Values (From RfCP)	Estimated Post-Implementation Values
On-Peak Demand Reduction (kW):	_____	_____
Energy Savings (kWh):	_____	_____
Natural Gas Savings (Therms):	_____	_____
Project Cost (\$) with written backup:	_____	_____

Provide explanations for differences in proposed values in boxes below. Provide written backup for the project costs, breaking down by measure, including the major items, materials and labor.

Please explain any "NO" answers above and note any differences from initially proposed project:

Additional Comments:

Please email the completed Form to NAM and/or the appropriate IOU representative.

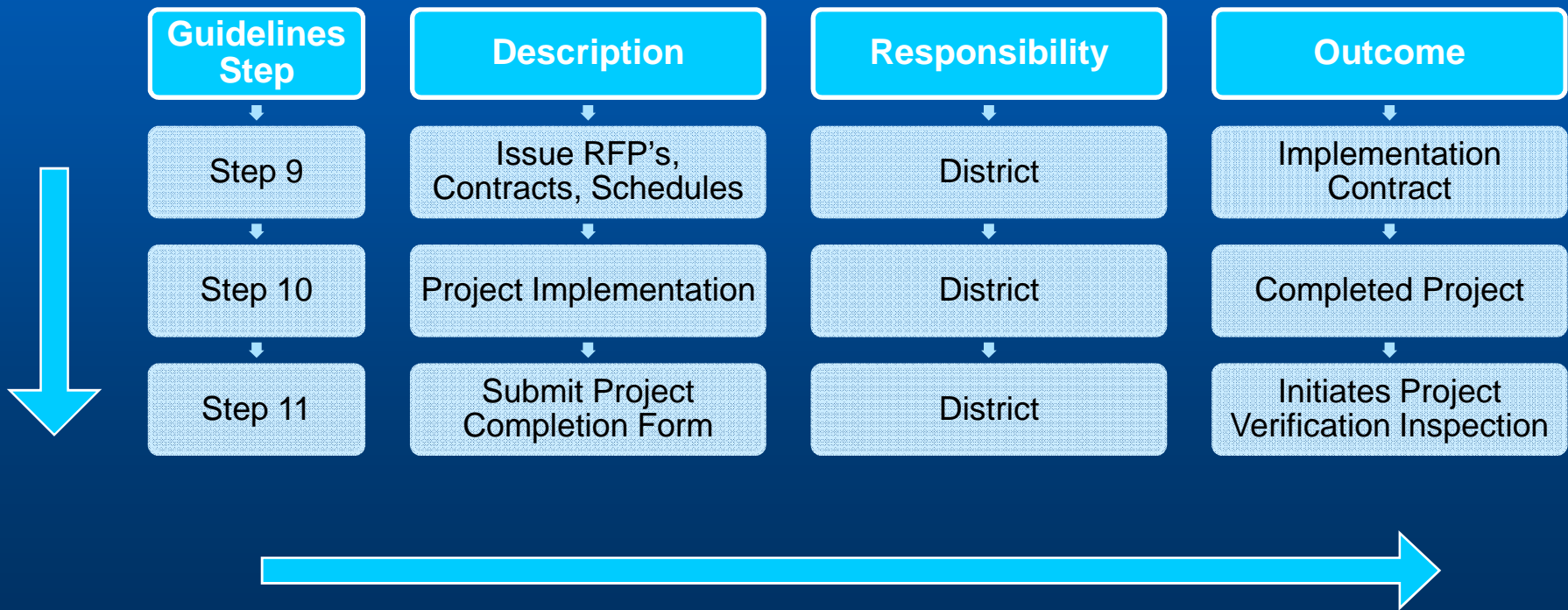
PG&E: Dave Hather (dth2@pge.com)
 SCE: George Coronel (George.Coronel@sce.com)
 SCG: Paul Deang (PDeang@semprautilities.com)
 SDG&E: Lin-Chi Hua (lua@semprautilities.com)

NAM: Danielle Moutak (danielle_moutak@newcomb.cc)

2 • Project Implementation

Process Steps and Responsibilities

Guidelines Step	Description	Responsibility	Outcome
Step 9	Issue RFP's, Contracts, Schedules	District	Implementation Contract
Step 10	Project Implementation	District	Completed Project
Step 11	Submit Project Completion Form	District	Initiates Project Verification Inspection



3

• Verification and Reporting

Project Final Verification Report

- CO/Utilities prepares based on project completion inspection
- Results entered into Program Database by CO
- Basis for Annual Expenditures Reporting by District

CCC PROPOSITION 39 MEASUREMENT & VERIFICATION					
Installation Review					
Tech Reviewer: AESC		Revision: _____			
Reviewer Name: _____		Administrator: David T. Hather			
Project #:		Review Dates			
Project Name:		Sent to TR: _____			
Site Address:		Inspected: _____			
Sponsor: _____		Review completed by TR: _____			
Customer: _____		QC'd by: _____			
Approach: Customized Retrofit					
Application Status: <input checked="" type="radio"/> Approved <input type="radio"/> Suspended <input type="radio"/> Declined					
Summary of Application Review Results					
	CR Savings			DR Savings	
Savings Estimates	kWh	kW	Therms	Dispatch Demand	Total Capital Costs
Application Approved Amount	0.0	0.00	0.0	0.00	\$ -
Installation Submitted Amount					
Installation Approved Amount	0.0	0.00	0.0	0.00	\$ -
Incentive Estimates	Gross Incentive(\$)		Project Cost Adj.	Site Cap Adj.	Net Incentive
Application Approved Amount	\$0.00		\$0.00	\$0.00	\$ -
Installation Submitted Amount					\$ -
CR Installation Approved Amount	\$ -		\$ -	\$ -	\$ -
DR Installation Approved Amount*	\$ -		\$ -	\$ -	\$ -
Comments					
Review Summary					
Project Description					
					Date: _____
					Reviewer: _____

3

- Verification and Reporting

District Annual Expenditure Report

Not sooner than one year but no later than 15 months after completion of its first eligible project, the District shall submit an Annual Expenditure Report to the CO containing the following information (to the extent practical):

- The total final gross project cost
- The estimated amount of energy saved, accompanied by specified energy consumption and utility bill cost data
- The name plate rating of new clean energy generation installed.
- The entity's energy intensity (energy use per sf) before and after project completion as determined from an energy rating or benchmark system.

3

• Verification and Reporting

District Prop 39 expenditures will be subject to an annual state compliance test as outlined in the Contract District Audit Manual and pursuant to Education Code 84040 and Public Resources Code 26240(g). The Audit Test Procedures are as follows:

- **Test Prop 39 funds to verify that they are tracked and reported separately. They are not to be comingled with other state or local funds.**
- **Review Final Project Verification Report to ensure completion and that it has appropriate signatures.**
- **Trace items on approved CCC Prop 39 Project Funding application and Project Verification Report to supporting documents. (Invoices, purchase orders, etc)**
- **Verify compliance with competitive bid process and other PCC requirements**



3 • Verification and Reporting

Process Steps and Responsibilities





DSA Expedited Prop 39 Review Process

- If districts need more than several hours of review, and need to be taken in, DSA will move them to the 'head of the line' (out of the bin), and expedite the review and approval.
- If districts/colleges/architects are confident they meet DSA's in-place exemptions/exceptions for structural and access review, they can proceed without DSA review and approval--this would include energy efficiency improvements that qualify as repairs and maintenance and do not trigger the definition of 'alteration'.



DSA Expedited Prop 39 Review Process

- **DSA will set up a Triage/intake OTC process to review projects---if there is no structural or access scope of work DSA will issue a form letter indicating such, with a requirement that a Form 999 be submitted by the Project Inspector at the completion---and send them back for funding.**
- **If there is minor structural or access scope, DSA will attempt to do so OTC, set up a project number, and send them on for funding with a DSA approval.**

Proposition 39



The CCC/IOU Energy Efficiency Partnership

How to Utilize Proposition 39 Funding
for Energy and Cost Saving Projects



Lisa Hannaman
Southern California Edison



Prop 39 and the CCC/IOU EE Partnership

- CCC Guidelines Leverage Partnership Processes, Services, and Incentives
- Districts should work with IOUs to identify projects, prepare energy calculations, and submit both incentive and Prop 39 funding
- Project M&V and Reporting will be facilitated by utility process

Your Success is our Success!

We both want Energy Savings

State Loading Order



Energy Efficiency



Demand Response



Self - Generation



Carbon Offsets





Prop 39 Monthly Target Milestones

Monthly Target Milestones	Month	Date Of Each Month
District identifies list of projects for Prop 39 & Utility incentive funding; project calculations are started	Month 1	1 st
Project calculations are completed; Applicable forms signed by District; both submitted to Utilities	Month 1	14 th
Utilities approve projects for incentives	Month 2	7 th
CCCCO approves project for Prop 39 funding	Month 2	10 th
CCCCO allocates Prop 39 funds through monthly state apportionment process	Month 2	31 st



Program Incentives for 2013-14

MEASURE	INCENTIVE RATE
Electricity	 <p><u>\$0.24 /</u> <u>kWh</u></p>
Packaged HVAC, HVAC Controls, Motors, Drives	
Lighting, Lighting Controls, Daylighting	
Central Plants, Chiller Retrofits, and other major Energy Efficiency Infrastructure Projects	
Monitor Based Commissioning (MBCx)	
IT Projects	
Natural Gas	 <p><u>\$1.00 /</u> <u>therm</u></p>
<u>ALL</u> Gas Measures	



Tips & Best Practices

- Appoint a lead
- Be prepared to provide documentation for M&V process
- Be cognizant of deadlines

We are here to help!



Contact Information

<u>Name</u>	<u>Organization</u>	<u>E-mail</u>	<u>Phone</u>
Fred Harris	CCCCO	fharris@cccco.edu	(916) 324-9508
Lisa Hannaman	SCE	lisa.hannaman@sce.com	(714) 325-2537
Ann-Marie Gabel	Long Beach City College	agabel@lbcc.edu	(562) 938-4406
Paul Deang	SCG	PDeang@semprautilities.com	(213) 444-8961
Linh-Chi Hua	SDG&E	LHua@semprautilities.com	(858) 822-9485
Dave Hather	PG&E	dth2@pge.com	(916) 386-5007
Ron Beeler	CCC/IOU Partnership	ronbeeler@sbcglobal.net	(714) 267-7209
Matt Sullivan	Newcomb Anderson McCormick	matt_sullivan@newcomb.cc	(415) 896-0300