

**DOCKETED**

<b>Docket Number:</b>	17-EVI-01
<b>Project Title:</b>	Block Grant for Electric Vehicle Charger Incentive Projects
<b>TN #:</b>	229463
<b>Document Title:</b>	2020 CALeVIP Projects Workshop Presentation
<b>Description:</b>	N/A
<b>Filer:</b>	Jessica Martinez
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	8/16/2019 8:48:36 AM
<b>Docketed Date:</b>	8/16/2019

# Clean Transportation Program

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CALeVIP 2020 Projects Workshop



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Energy Commission Specialist II



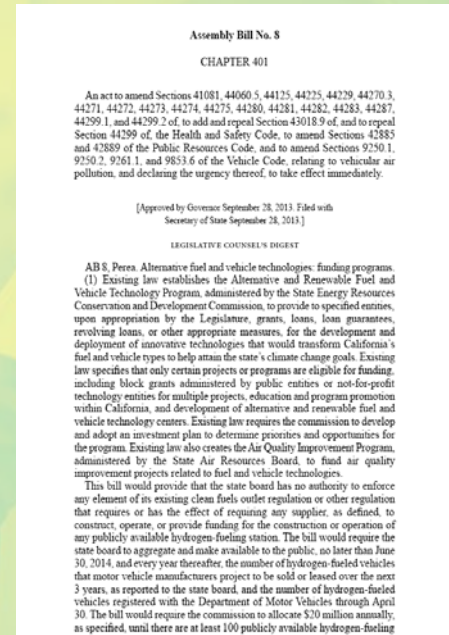
# Agenda

- Welcome
- CALeVIP Background
- 2020 Projects
  - Eligibility and Requirements
  - Application Process
- Eligible Equipment
- Questions and Comments
- Adjourn



# Clean Transportation Program

- AB 8 (*Perea, Chapter 401, Statutes of 2013*) extends ARFVTP through January 1, 2024.
- Receives up to \$100 million per year to:
  - Transform California's transportation market into a diverse collection of alternative fuels and technologies and reduce California's dependence on petroleum.
  - Develop and deploy innovative technologies that transform California's fuel and vehicle types to help attain the state's climate change policies.



# Commitment to Diversity

- The Energy Commission adopted a resolution on April 8, 2015, to firmly commit to:
  - Increase participation of women, minority, disabled veteran and LGBT business enterprises in program funding opportunities
  - Increase outreach and participation by disadvantaged communities
  - Increase diversity in participation at Energy Commission proceedings
  - Increase diversity in employment and promotional opportunities



# Commitment to Diversity

**Fairness** – Increase funding accessibility to all Californians

**Inclusion** – Small businesses make up a significant portion of the U.S. economy

**Job Creation** – Projects can create jobs for residents of the under-served communities

**Diversity of Ideas** – Great ideas occur in a variety of areas

**Diversity in Communities' Needs** – Needs vary widely from one area to the next (air quality, socioeconomic, etc.)



# CALeVIP Background

- **Goals:**
  - Implement targeted incentive projects throughout California that address a specific region's EV charging needs.
  - Provide a mechanism that speeds up the installation, reporting, and funding processes.



# CALeVIP Background

- CALeVIP vs Incentive Projects within CALeVIP
  - CALeVIP is the platform for all Incentive Projects
  - Incentive Projects within CALeVIP are geographically targeted projects
- Total Active Projects: \$51 million
  - Up to \$200 million in future funding





# CALeVIP Background - Projects

Incentive Project	Launch Date	Counties	Funding	Technologies
<b>Fresno County</b>	December 2017	Fresno	\$4 million	Level 2
<b>Southern California</b>	August 2018	Los Angeles Orange Riverside San Bernardino	\$29 million	DC Fast Chargers
<b>Sacramento County</b>	April 2019	Sacramento	\$15.5 million*	Level 2 & DC fast chargers
<b>Northern California</b>	May 2019	Shasta Humboldt Tehama	\$4 million	Level 2 & DC fast chargers
<b>Central Coast</b>	Launching October 2019	Monterey Santa Cruz San Benito	\$7 million**	Level 2 & DC fast chargers
<b>San Joaquin Valley</b>	Launching December 2019	San Joaquin Kern Fresno	\$14 million	Level 2 & DC fast chargers
<b>Total: \$73.5 million</b>				

\*Includes SMUD's \$1.5 million investment that is in the process of being added.

\*\* Includes MBCP's \$1 million investment. MBCP is investing \$1M/year for 3 years.



# 2020 CALeVIP Projects



# 2020 Incentive Projects

- 3 Projects
- All include both Level 2 and DCFC as eligible
- Funding per Incentive Project will vary and include fiscal year contributions
- Requirements and eligibility may vary between Incentive Projects



# 2020 Incentive Projects

## Peninsula-Silicon Valley Incentive Project

- Anticipated Release: May 2020

## San Diego County Incentive Project

- Anticipated Release: August 2020

## Sonoma Coast Incentive Project

- Anticipated Release: October 2020



# 2020 Incentive Project Pending Partnerships



# 2020 Incentive Project Pending Partnerships

## Peninsula-Silicon Valley Incentive Project

- Peninsula Clean Energy (PCE)
- Silicon Valley Clean Energy (SVCE)
- San Jose Clean Energy (SJCE)
- Silicon Valley Power (SVP)
- City of Palo Alto Utilities (CPAU)

## San Diego County Incentive Project

- San Diego Association of Governments
- San Diego Air Pollution Control District

## Sonoma Coast Incentive Project

- Sonoma Clean Power
- Northern Sonoma County Air Pollution Control District

**All partnerships are pending Board or Council consideration and approval**



## Proposed Funding

County	Region	DCFC Funding	Level 2 Funding	Total Funding (2-4 years)*	At least 25% in DAC / Low Income
San Mateo	Entire County	\$12M	\$12M*	\$24M*	No
Santa Clara	SVCE**	\$6M	\$6M*	\$12M*	No
Santa Clara	City of San Jose	\$7M	\$7M*	\$14M*	Yes
Santa Clara	City of Santa Clara	\$4M	\$4M*	\$8M*	Yes
Santa Clara	City of Palo Alto	\$1M	\$1M*	\$2M*	No
Total:		\$30M	\$30M*	\$60M*	

\*Funding includes pending partnership pledges, subject to Board or Council consideration and approval, which would be added on a fiscal year basis. Funding from pending CCA partnerships (PCE, SVCE, SJCE) will only be available to their customers (Opt-ins)

\*\*Campbell, Cupertino, Gilroy, Los Altos, Los Altos Hills, Los Gatos, Milpitas, Monte Sereno, Morgan Hill, Mountain View, Saratoga, Sunnyvale, Unincorporated Santa Clara County

# San Diego County Incentive Project August 2020

## Proposed Funding

DCFC Funding	Level 2 Funding	Total	At least 25% in DAC / Low Income
\$15.8M	\$1.86M*	\$17.66M*	Yes

\$1.395M/year\* (San Diego Association of Governments)

\$465K/year\* (San Diego APCD)

\*Funding includes pending partnership funding, subject to Board or Council consideration and approval, which would be added on a fiscal year basis.





Sonoma Coast  
Incentive Project  
October 2020

## Proposed Funding

County	DCFC Funding	Level 2 Funding	3 Year Total	At least 25% in DAC / Low Income
Sonoma	\$3.3M	\$2.7M*	\$6M*	No
Mendocino	\$300K*	\$450K*	\$750K*	Yes
Total:	\$3.6M	\$3.45M*	\$6.75M*	

\$500K/year for 3 years\* (Sonoma Clean Power)

\$50k/year for 3 years\* (Northern Sonoma County APCD)

\*Funding includes pending partnership funding, subject to Board or Council consideration and approval, which would be added on a fiscal year basis.



# Proposed Rebate Amounts



# DCFC Rebate Amounts by Installation Type

## 2018/2019 DCFC Incentive Design

DCFC	Non-Disadvantaged Community Rebate	Disadvantaged Community Rebate
50kW	Up to \$70K; or 75% of the total project cost, whichever is less	Up to \$80K; or 80% of the total project cost, whichever is less



# DCFC Rebate Amounts by Installation Type

## Proposed DCFC Incentive Design

DCFC	Non-Disadvantaged Community Rebate	Disadvantaged Community / Low Income Rebate	LCFS Dispensed Fuel Credit Allocation
50kW+	Up to \$50K; or 75% of the total project cost, whichever is less	Up to \$60K; or 80% of the total project cost, whichever is less	Required to waive right to claim
100kW+	Up to \$70K; or 75% of the total project cost, whichever is less	Up to \$80K; or 80% of the total project cost, whichever is less	No requirement to waive

[CalEnviroScreen 3.0 Tool](#) (4.0 if released)



# Level 2 Rebate Amounts by Installation Type

## Proposed Level 2 Incentive Design

Incentive Project	Rebate Per Connector	Adders Per Connector				Waive right to LCFS Dispensed Fuel Credit
		MUD	DAC	Low Income	Rural Community	
Peninsula – Silicon Valley	\$5,000	\$1,000	\$500	\$500	N/A	Yes
San Diego					N/A	Yes
Sonoma Coast					\$1,000	Yes



## DAC, Low Income, Rural Definitions

### Disadvantaged Community:

CalEnviroScreen 3.0/4.0 score of 75% or higher

### Low-income community:

AB1550 – Census tracts at or below 80% statewide median income

### Rural community (Sonoma Coast only):

Unincorporated towns in Sonoma and Mendocino counties



# Charger Limits

## Charger Limits per Site

Project	DC Fast Chargers	Level 2 Connectors
Peninsula – Silicon Valley	1-6	1-20
San Diego	1-6	1-10
Sonoma Coast	1-4	1-10

*Additional chargers may be installed, but will not be eligible for funding from CALeVIP*

# Rebate Cap Limits

## County level dollar cap on Applicants' active applications

- A cap on the dollar amount of active applications for an applicant
- Based on the county of the project site
- Once an application is completed and paid, then the applicant is eligible to apply for more funds





# Pending Rebate Cap Limits

## Peninsula – Silicon Valley Incentive Project

County	Funding Available	Active Cap Limit
Santa Clara	\$36M*	\$720K**
San Mateo	\$24M*	\$720K**

## San Diego County Incentive Project

County	Funding Available	Active Cap Limit
San Diego	\$17.66M*	\$720K**

## Sonoma Coast Incentive Project

County	Funding Available	Active Cap Limit
Sonoma	\$6M*	\$600K**
Mendocino	\$750K*	\$300K**

\*Funding available will vary by each year based on fiscal year contributions from pending project partners.

\*\*Active cap limits will decrease after the first year when the Energy Commission's initial investment is exhausted.



# Rebate Cap Limits - EXAMPLE

- Sonoma County has a \$600K cap limit for active applications.
- Using Fauble Company as an example
  - The company files 3 applications in Sonoma County
    - 1 for \$300K, 1 for \$200K, and 1 for \$100K for a total of \$600K
    - The company must completely finish and receive the rebate for at least 1 of the projects to file additional applications in Sonoma County
      - 1 application is completed and Fauble Company receives the full reserved amount of \$200K
  - Fauble Company also wants to file applications in Mendocino County
  - Fauble Company's active applications in Sonoma County totals \$400K
  - Fauble Company can apply in Mendocino County, but may only apply for up to another \$200K in Sonoma County



# Eligibility - Applicants

- **Private companies**
  - Business owner, EVCS manufacturer, EVSP, contractors, not-for-profits, community/faith-based organizations, etc.
  - Not required to be the site owner or host
- **Public agencies**
- **Tribal communities**
- **Must have a valid California Business License**



# Eligibility - Applicants

To be eligible to receive Community Choice Aggregation (CCA) funding, you must:

- Be a CCA customer
- Meet all CCA eligibility requirements

More details to come in project-specific webinars



# Eligibility – DCFC Site Locations

- Urban/suburban retail cores
- Retail shopping centers
- Grocery Stores
- Restaurants
- Retail Gas stations
- Hospitals
- Sheriff/police stations
- Colleges/Universities\*
- Airports
- Hotels
- Casinos
- Libraries
- Public Transit Hub
- Curbside\*\*
- Publicly available parking garages and surface lots (not workplace parking)



\*Must be a CSU, UC or 2-year Community College  
\*\*Must coordinate with the city or county ahead of time

## Eligibility – DCFC Site Locations

- Installation site must be inside the project's defined region
- Charger(s) must be available to the public 24 hours a day, 365 days a year
- Be well-lit, secure and in compliance with all federal, state and municipal laws, ordinances, rules, codes, standards and regulations



## Eligibility – Level 2 Site Locations

- Installation site must be inside the project's defined region
- Must be shared use, except for San Mateo County MUDs
- Any site type is available
  - Schools
  - Hospitals
  - Public Agency sites
  - Workplaces
  - Tribal Lands
  - Etc.



# Eligibility – Level 2 Site Locations

Eligible Sites	Counties				
	Santa Clara	San Mateo	San Diego	Sonoma	Mendocino
Commercial: Public	Yes	Yes	Yes	Yes	Yes
Workplace: Private/Public Shared Use	Yes	Yes	Yes	Yes	Yes
MUD: Private/Public Shared Use	Yes	Yes, and <b>Dedicated allowed</b>	Yes	Yes	Yes
Light-Duty Fleet: Private/Public Shared Use	Yes	Yes	<b>No</b>	Yes	Yes
New Construction	<b>No</b>	<b>No</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>

(Dedicated parking is only allowed for MUDs in San Mateo County)





# Equipment Requirements - DCFC

- Must have both CHAdeMO and SAE CCS Combo connectors
- $\geq 50$  kW
- Must be networked (Wi-Fi/Cellular)
  - Equipment and network must have remote diagnostics and be capable of remote start
  - Capable of usage data collection
  - Minimum 5 year networking agreement, eligible towards total project cost

# Equipment Requirements - DCFC (cont.)

- Must accept multiple forms of payment (NFC, App, toll-free phone, etc.)
- Publicly available DCFCs that charge a fee and are installed/open for public use on or after January 1, 2022 will be required by law to have a credit card EMV reader on the charger or on a kiosk servicing the charger.
- Must be certified under the Nationally Recognized Testing Laboratory Program (NRTL)
- Must be able to revert to an open communication protocol standard

# Equipment Requirements – Level 2

- Must have the J1772 connector
- $\geq 6.2$  kW capable
- Must be ENERGY STAR<sup>®</sup> Certified
- Must be networked
  - Equipment and network must have remote diagnostics and be capable of remote start
  - Capable of session usage data collection
  - Minimum 2 year networking agreement, eligible towards total project cost

## Equipment Requirements – Level 2 (cont.)

- If payment is required, must accept some form of credit cards and multiple forms of payment.
  - Publicly available Level 2 chargers that charge a fee and are installed/open for public use on or after January 1, 2023 will be required by law to have a credit card EMV reader on the charger or on a kiosk servicing the charger(s).
- Must be certified under the Nationally Recognized Testing Laboratory Program (NRTL)
- Must be able to revert to an open communication protocol standard



# Eligible Costs

- Equipment: EVSE, transformers, panels, advanced energy storage
- Planning/design
- Installation costs (labor & materials)
- Utility service orders
- Demand management equipment
- Networking agreements
- Extended warranties
- Stub-outs
- Signage



# Ineligible Costs

- Permit Fees
- Solar panels
- Costs paid by other rebate or incentive programs/projects



# Application Completion Deadline

- DCFC or Combo installations must be completed within 15 months
- Level 2 installations must be completed within 9 months



# Application Completion Deadline (cont.)

- Each application must be completed before the deadline, which starts when the application funds are reserved.
  - Applicants should not apply until they have an executed site host agreement and completed Site Verification Form
  - Planning costs incurred prior to funding being reserved are eligible costs (Once landing page is live)
  - Communicate with the necessary utility provider from the beginning
  - Station must be 100% operational and open for use by the application deadline
  - All application documents must be submitted and approved by the application deadline
  - Reach out to CSE staff if delays arise





# DCFC or Combination Rebate Process

## STEP 1

Select equipment, provide owner authorization & apply online.



## STEP 2

CSE reviews application to confirm eligibility.



## STEP 3

Rebate funds reserved. You have 15 months to complete your project.



## STEP 4

Upload documents online for CSE review.



## STEP 5

Design & permitting done – receive up to 60% of rebate.



## STEP 6

Project completed – receive remaining payment.



# Level 2 Rebate Process

## STEP 1

Select equipment, provide owner authorization & apply online.



## STEP 2

CSE reviews application to confirm eligibility.



## STEP 3

Rebate funds reserved. You have 9 months to complete your project.



## STEP 4

Upload documents online for CSE review.



## STEP 5

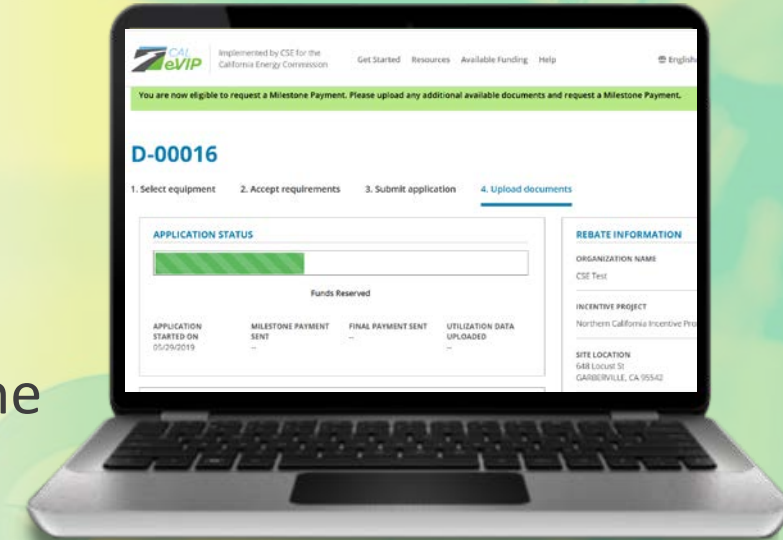
Project completed – receive remaining payment.



# Key Project Features

## Applicant Dashboard

- Create an account
- Apply and view all applications
- Upload required documents online



## Transaction & Reminder Emails

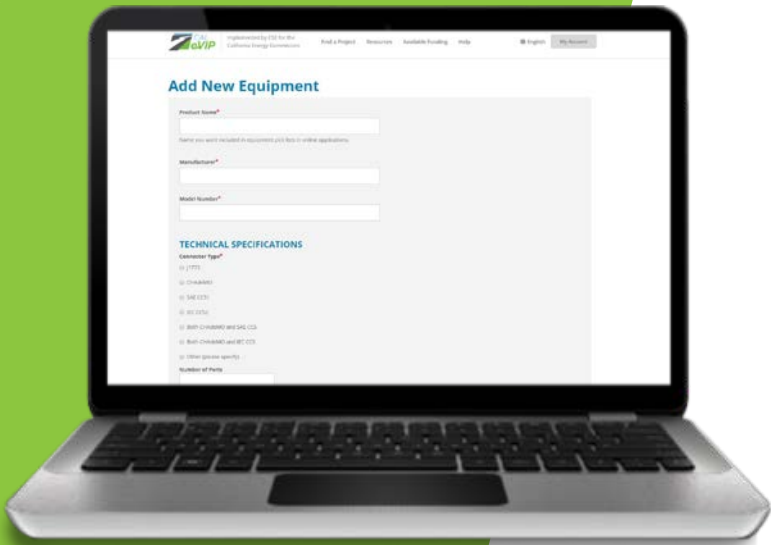
- Applicants notified of any application status change

## Dedicated Hotline

- Project staff available to answer project questions on eligibility, required documentation and more



# CALeVIP Equipment Self-Validation



## Equipment Manufacturers

- Create an account as an equipment manufacturer
- CSE reviews registration and validates equipment manufacturer status
- Dashboard now allows you to upload and view your equipment

## Submit equipment for CALeVIP projects

- Use online equipment upload form to submit equipment
  - Include specifications, cut sheets, sales contact information, and photos to be used / referenced on the site

# Key Takeaways

To be eligible, equipment and services must be purchased after Funds Reserved

- Planning costs such as Design/Engineering drawings and utility service orders may be incurred prior to application, after the incentive project's landing page is live.
- Planning costs are incurred at the **applicant's own risk**. If incentive funds are not available, planning costs will not be reimbursed.
- If an application is deemed ineligible and planning costs were previously incurred, costs will not be reimbursed.



# Key Takeaways

- EVSPs, contractors and others are eligible to apply with site owner permission
- Applications are limited by rebate caps based on county
- DCFC or Combo rebate funds may be received in milestone payments
- Level 2 rebate funds are received in 1 payment after installation and final documents are received



# Tentative Schedule

## Peninsula-Silicon Valley Incentive Project Tentative Schedule

Workshop Name	Location	Tentative Date
CALeVIP 2020 Projects Workshop	Peninsula Clean Energy – Redwood City	August 13, 2019
<u>Deadline for Comments on CALeVIP 2020 Project Workshops</u>	<u>Online or Mail to Energy Commission</u>	<u>September 6, 2019 by 5:00pm</u>
Peninsula – Silicon Valley Incentive Project Requirements Webinar	Webinar to communicate final proposed requirements	TBD
Peninsula – Silicon Valley Incentive Project Landing Page Live	Webpage Live – Implementation Manual available	March 2020
Peninsula – Silicon Valley Incentive Project Launch	Live Online – Accepting Applications	May 2020



# Tentative Schedule

## San Diego County Incentive Project Tentative Schedule

Workshop Name	Location	Tentative Date
CALeVIP 2020 Projects Workshop	San Diego Association of Governments – San Diego	August 27, 2019
<u>Deadline for Comments on CALeVIP 2020 Project Workshops</u>	<u>Online or Mail to Energy Commission</u>	<u>September 6, 2019 by 5:00pm</u>
San Diego County Incentive Project Requirements Webinar	Webinar to communicate final proposed requirements	TBD
San Diego County Incentive Project Landing Page Live	Webpage Live – Implementation Manual available	June 2020
San Diego County Incentive Project Launch	Live Online – Accepting Applications	August 2020





# Tentative Schedule

## Sonoma Coast Incentive Project Tentative Schedule

Workshop Name	Location	Tentative Date
CALeVIP 2020 Projects Workshop	Sonoma Clean Power – Santa Rosa	August 14, 2019
<u>Deadline for Comments on CALeVIP 2020 Project Workshops</u>	<u>Online or Mail to Energy Commission</u>	<u>September 6, 2019 by 5:00pm</u>
Sonoma Coast Incentive Project Requirements Webinar	Webinar to communicate final proposed requirements	TBD
Sonoma Coast Incentive Project Landing Page Live	Webpage Live – Implementation Manual available	August 2020
Sonoma Coast Incentive Project Launch	Live Online – Accepting Applications	October 2020



# Tentative Schedule

## Other Workshops Tentative Schedule

Workshop Name	Location	Tentative Date
EV Charger Permitting Workshop	Energy Commission - Sacramento	August 28, 2019
<u>Deadline for Comments on CALeVIP 2020 Project Workshops</u>	<u>Online or Mail to Energy Commission</u>	<u>September 6, 2019 by 5:00pm</u>
CALeVIP Future Technology Requirements Workshop	Energy Commission - Sacramento	Q4 2019
CALeVIP 2021 Projects Planning Workshop	Energy Commission - Sacramento	Q4 2019



# Future CALeVIP Information

CALeVIP website – [www.calevip.org](http://www.calevip.org)

- Subscribe to always receive the latest CALeVIP information

Energy Commission Block Grant/CALeVIP docket  
webpage –

<http://www.energy.ca.gov/altfuels/zev/2017-EVI-01/>

- Sign up for the new Energy Commission CALeVIP listserv
- Center for Sustainable Energy email  
[calevip@energycenter.org](mailto:calevip@energycenter.org)



# Public Feedback



Are the max number of chargers eligible for rebates per site appropriate to encourage economies of scale and a spread of locations?

Project	DC Fast Chargers	Level 2 Connectors
Peninsula-Silicon Valley	1-6	1-20
San Diego	1-6	1-10
Sonoma Coast	1-4	1-10

# Will the new proposed DCFC incentive design attract participation in both power levels?

DCFC	Non-Disadvantaged Community Rebate	Disadvantaged Community / Low Income Rebate	LCFS Dispensed Fuel Credit Allocation
50kW	Up to \$50K; or 75% of the total project cost, whichever is less	Up to \$60K; or 80% of the total project cost, whichever is less	Required to waive right to claim
100kW+	Up to \$70K; or 75% of the total project cost, whichever is less	Up to \$80K; or 80% of the total project cost, whichever is less	No requirement to waive

## Are the Level 2 incentive amounts appropriate to inspire installations?

Incentive Project	Rebate Per Connector	Adders Per Connector				Waive right to LCFS Dispensed Fuel Credit
		MUD	DAC	Low Income	Rural Community	
Peninsula-Silicon Valley	\$5,000	\$1,000	\$500	\$500	N/A	Yes
San Diego					N/A	Yes
Sonoma Coast					\$1,000	Yes

# Are the active cap limits appropriate to encourage participation while ensuring opportunity?

## Peninsula-Silicon Valley Incentive Project

County	Funding Available	Active Cap Limit*
Santa Clara	\$36M*	\$720K**
San Mateo	\$24M*	\$720K**

## Sonoma Coast Incentive Project

County	Funding Available	Active Cap Limit*
Sonoma	\$6M*	\$600K**
Mendocino	\$750K*	\$300K**

## San Diego County Incentive Project

County	Funding Available	Active Cap Limit*
San Diego	\$17.66M*	\$720K**

\*Funding available will vary by each year based on fiscal year contributions from pending project partners.

\*\*Active cap limits will decrease after the first year when the Energy Commission's initial investment is exhausted.



Are there different strategies that should be considered for the rebate cap limits?

Should there be a different cap type for Level 2 charger applications compared to DC fast chargers?

What are potential critical points during the charger installation process that could require mandatory deadlines?

What should those deadlines be?

Are the critical points the same for Level 2 and DC fast charger installations?

# Public Comments or Questions



Thank You!



Comments Due 9/6/2019 by 5:00pm

California Energy Commission  
Docket Unit, MS-4  
Re: Docket No. 17-EVI-01  
1516 Ninth Street  
Sacramento, CA 95814 -5512  
(916) 654-4423

[https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?doc  
ketnumber=17-EVI-01](https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?doc<br/>ketnumber=17-EVI-01)

***Recommend all comments be submitted online.***

