

DOCKETED

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Alternative and Renewable Fuel and Vehicle Technology Program

2019 CALeVIP Projects Roadmap Workshop



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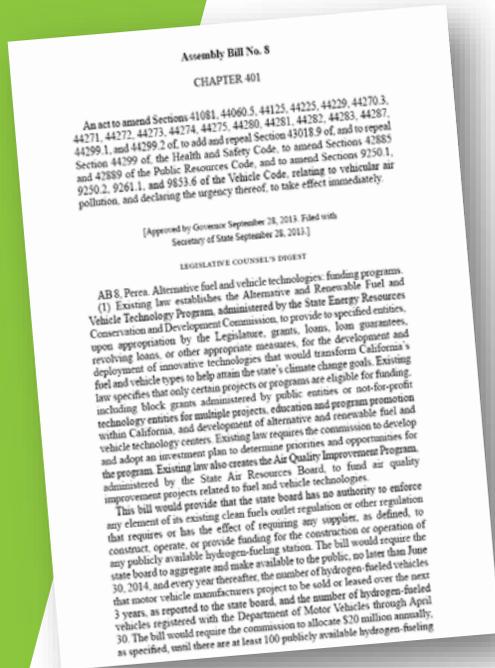
Agenda

- Welcome
- CALeVIP Background
- 2019 Project Roadmap
 - Eligibility and Requirements
 - Application Process
- Questions and Comments
- Adjourn



Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP)

- 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.



ARFVTP's 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

- Released solicitation November 2016
- Awarded recipient CSE February 17, 2017
- Agreement Executed June 27, 2017
- Fresno County Incentive Project launched December 2017
- Southern California Incentive Project launched August 2018



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.

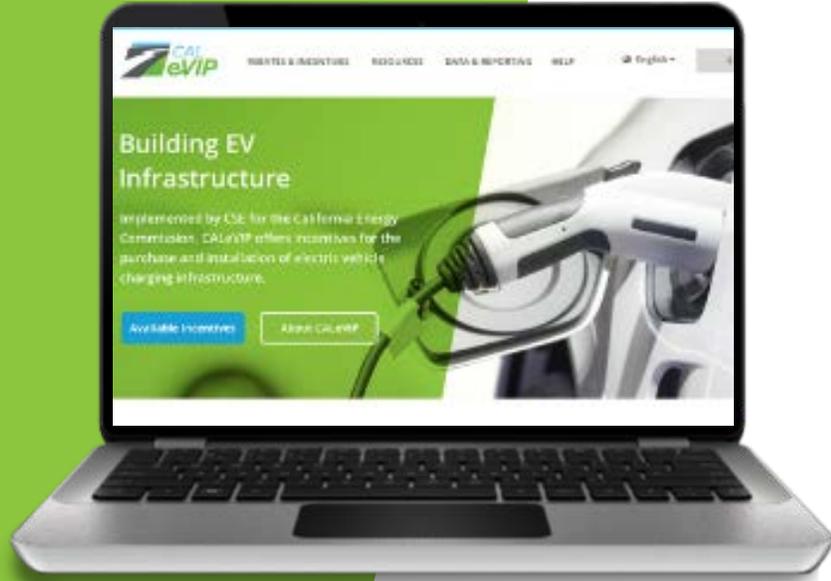


CALeVIP Background

- CALeVIP vs Incentive Projects
 - CALeVIP = Home for all Incentive Projects
 - Incentive Project = Geographical targeted project
- Total Active Projects: \$33 million
 - Up to \$200 million in future funding



CALeVIP Website



Release 1- May, 2018

- Launch of the CALeVIP website
- Main hub connecting users to all CALeVIP and incentive project content
 - Available Funding
 - Project Planning Resources

Release 2- July 2018

- CALeVIP fully integrated with all incentive projects
- Users can access all applications across different incentive projects



Future CALeVIP Website Plans

Release 3- Expected Q4 2018

- Tools to Connect and Engage
 - Connecting Site Hosts, Vendors, Contractors and others to support new installations

Release 4- Expected Q2 2019

- Interactive Project Mapping
 - Display existing EVCS, CALeVIP in-progress projects and completed projects
 - Collect public recommendations for future charger sites

Future Releases (ongoing)

- Statistics, Data Visualizations, Surveys



2019 CALeVIP Project Roadmap



BUILDING EV INFRASTRUCTURE



2019 Roadmap

- 4 Projects
- All have the same requirements & eligibility
- All include both Level 2 and DCFC as eligible
- Funding per Incentive Project will vary
- Incentive amounts may vary



2019 Roadmap Incentive Projects

- Sacramento County Incentive Project
 - Release: February 2019
- Northern California Incentive Project
 - Release: April 2019
- Central Coast Incentive Project
 - Release: July 2019
- San Joaquin Valley Incentive Project
 - Release: October 2019



Sacramento County Incentive Project February 2019

- Region: Sacramento County
- Available Funding: \$14M
 - \$7.7M = Level 2
 - \$6.3M DCFC
 - Minimum of \$3.5M to DAC (25%)



Northern California Incentive Project April 2019

- Available Funding= \$4M
- Regions
 - Shasta County = \$2.13M
 - \$1.08M = Level 2 \$1.05M = DCFC
 - Humboldt County = \$1.47M
 - \$1.17M = Level 2 \$300K = DCFC
 - Tehama County = \$400K
 - \$400K = Level 2 No DCFC



Central Coast Incentive Project April 2019

- Available Funding= \$6M
- Regions
 - Santa Cruz County = \$3.05M
 - \$1.4M = Level 2 \$1.65M = DCFC
 - Monterey County = \$2.575M
 - \$1.75M = Level 2 \$825K = DCFC
 - San Benito County = \$375K
 - \$150k = Level 2 \$225K = DCFC



San Joaquin Valley Incentive Project April 2019

- Available Funding= \$14M
- Regions
 - San Joaquin County = \$6.05M
 - \$2.675M = Level 2 \$3.375M = DCFC
 - Kern County = \$5.25M
 - \$2.625M = Level 2 \$2.625M = DCFC
 - Fresno County = \$2.7M + FCIP
 - \$0 = Level 2* \$2.7M = DCFC
 - Minimum 25% to DAC

*Project 1 applications and remaining funds will be merged into project 6



Rebate Amounts



DCFC Rebate Amounts by Installation Type

- **DCFC rebates are the same for all 4 Incentive Projects**

- New or use of stub-out

- Up to \$70,000 per charger or 75% of the total project cost, whichever is less

- Replacement or use of make-ready

- Up to \$40,000 per charger or 75% of the total project cost, whichever is less



Rebate Amounts for DAC Installations

- Up to \$80,000 per stations or 80% of the total project cost, whichever is less

Incentive Project	Eligible for DAC (CalEnviroScreen 3.0)	Minimum funding Allocation (%)
Sacramento	76% - 100%	25%
Northern California	50% - 100%	None
Central Coast	76% - 100%	None
San Joaquin Valley	76% - 100%	25%

- [Link to CalEnviroScreen 3.0 Tool](#)



Rebate Amounts for Level 2 Installations

Incentive Project	Rebate Per Connector
Sacramento	\$5,000
Northern California	\$6,000
Central Coast	\$5,000
San Joaquin Valley	\$3,500*

- Additional \$1,000 per connector for an MUD site
- Additional \$500 per connector for DAC site

* SJVAPCD has the ChargeUp! Program offering rebates for level 2 and DC fast chargers (\$5,000 for single port level 2 chargers and \$6,000 for dual port level 2 chargers)



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



Rebate Cap Limits

Sacramento County Incentive Project

County	Funding Available	Active Cap Limit
Sacramento	\$14M	\$640K

Northern California Incentive Project

County	Funding Available	Active Cap Limit
Shasta	\$2.13M	\$320K
Humboldt	\$1.47M	\$320K
Tehama	\$400K	\$100K

Central Coast Incentive Project

County	Funding Available	Active Cap Limit
Santa Cruz	\$3.05M	\$320K
Monterey	\$2.575M	\$320K
San Benito	\$375K	\$100K

San Joaquin Valley Incentive Project

County	Funding Available	Active Cap Limit
San Joaquin	\$6.05M	\$320K
Kern	\$5.25M	\$320K
Fresno	\$2.7M + FCIP	\$320K



Rebate Cap Limits - EXAMPLE

- San Joaquin County has a \$320k cap limit for active applications
- Fauble Co. files 3 applications all in San Joaquin County, 1 for \$160k, 1 for \$20k, and 1 for \$140k
- Fauble Co. cannot file any additional applications in this county until at least 1 project is completed and paid
- Fauble Co. may file applications in other counties as long as they do not submit applications going over the county cap
- Fauble Co. completes 1 application 6 months later in San Joaquin county and is paid the full reserved amount for that application of \$140k
 - Fauble Co.'s new active applications total is \$180k and is now eligible to apply for up to \$140k
 - If Fauble Co. applies for \$141k or greater, the application will be ineligible.



Eligibility - Applicants

- **Private companies**
 - Business Owner, EVCS Manufacturer, EVSP, Contractors, Not-for-profits, etc.
 - Not required to be the site owner or host
- **Public agencies**
- **Must have a valid California Business License**



Eligibility – DCFC Site locations

- Urban/suburban retail core and/or Retail shopping centers
- Restaurants
- Gas stations
- Hospitals
- Sheriff/police station
- Airports
- Colleges/universities
- Hotels
- City or county owned parking garages and surface lots



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
- Commercial
 - Public
- Workplace
 - Public or private
 - Must be shared use
- MUD
 - Public or private
 - Must be shared use
- Fleet
 - Public or private
 - Must be shared use

Single family residence and assigned parking installations are excluded



Station Minimums and Limits

- DCFC = 1-4 chargers
- Level 2 = 1-10 connectors

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

Equipment Requirements - DCFC

- **Must have both** CHAdeMO and SAE CCS Combo connectors
- ≥ 50 kW
- Must be networked
 - 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.)

- If payment is required, must accept some form of credit cards and multiple forms of payment
- Must be certified under the Nationally Recognized Testing Laboratory Program (NRTL)
- Must be able to revert to an open communication protocol standard
- Equipment manufacturers register on CALeVIP, and then must fill out / submit an online equipment form to have eligible equipment on the project webpage and listed in the application.



Equipment Requirements – Level 2

- **Must have** the J1772 connector
- ≥ 6.2 kW capable
- Must be networked
 - Equipment and network must have remote diagnostics and be capable of remote start
 - Capable of usage data collection
 - Minimum 1 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
- Must be certified under the Nationally Recognized Testing Laboratory Program (NRTL)
- Must be able to revert to an open communication protocol standard
- ***Must be ENERGY STAR® Certified****



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

- Permits or anything required by law
- Solar panels
- Costs paid by other rebate or incentive programs/projects



Application Completion Deadline

- DCFC or Combo installations = 15 months
- Level 2 installations = 9 months
- Each application must be completed before the deadline which starts when the application funds are reserved.
 - Applicants cannot apply until they have an **executed** site host agreement and completed Site Verification Form
 - Planning costs incurred prior to funding be reserved are eligible costs (Once landing page is live)
 - Communicate with the necessary utility provider from the beginning
 - Stations must be 100% operational 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.



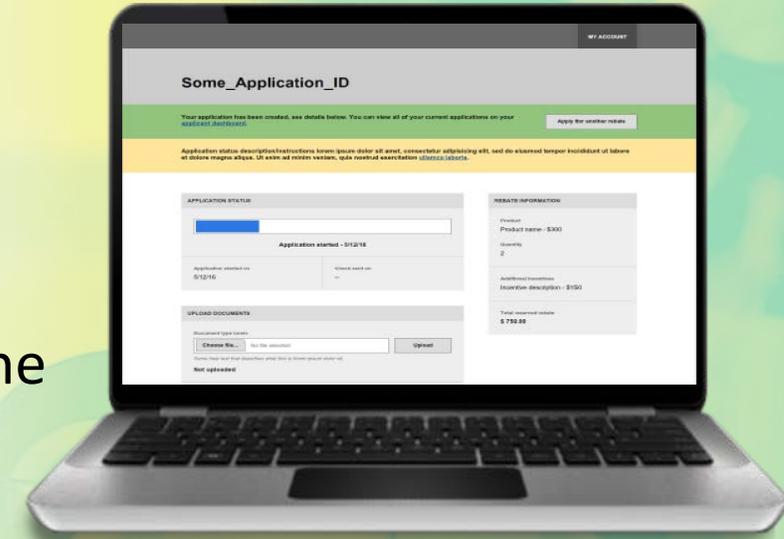
STEP 5

Project completed – receive remaining payment.

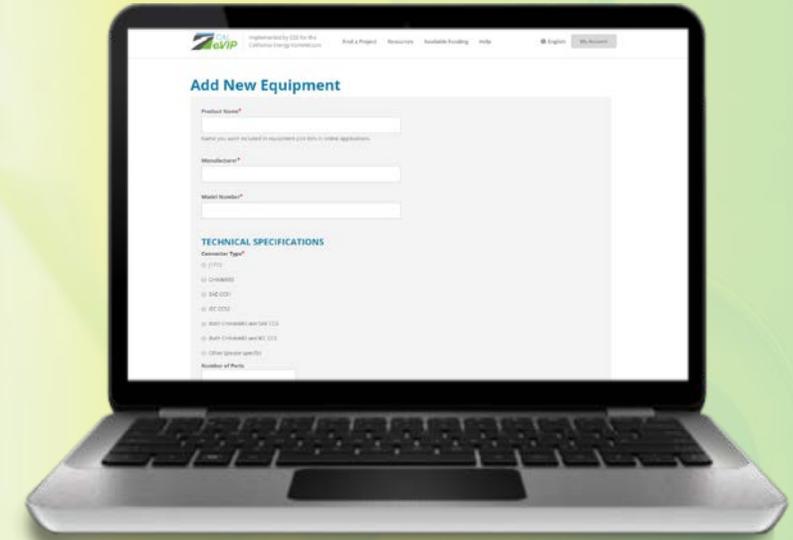


Key Project Features

- 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

Sacramento Workshop	September 27, 2018
Eureka Workshop	October 1, 2018
Fresno Workshop	October 3, 2018
Salinas Workshop	October 4, 2018
Deadline for Comments	October 12, 2018 at 5:00 PM
Sacramento County IP – Launch	February 2019
Northern California IP – Launch	April 2019
Central Coast IP – Launch	July 2019
San Joaquin Valley IP – Launch	October 2019



Future CALeVIP Information

- CALeVIP Website (www.calevip.org)
- Energy Commission Block Grant/CALeVIP docket webpage
<http://www.energy.ca.gov/altfuels/zev/2017-EVI-01/>
- Center for Sustainable Energy email
calevip@energycenter.org



Public Feedback



BUILDING EV INFRASTRUCTURE



Are there any additional DCFC site types that should be eligible?

- Urban/suburban retail core and/or retail shopping centers
- Restaurants
- Gas stations
- Hospitals
- Sheriff/police station
- Airports
- Colleges/universities
- Hotels
- City or county owned properties (parking garages, parking lots)

Are the incentive amounts adequate to inspire installations?

- DCFC

Installation Type	Rebate Amount	Percentage of Cost
New/Stub-out	Up to \$70,000	75%
Replacement	Up to \$40,000	75%
Disadvantaged Community	Up to \$80,000	80%

- Level 2

Incentive Project	Rebate Per Connector	MUD	DAC
Sacramento	\$5,000	+\$1,000/connector	+\$500/connector
Northern California	\$6,000		
Central Coast	\$5,000		
San Joaquin Valley	\$3,500		

Are the active funding cap limits at sufficient levels?

Sacramento County Incentive Project

County	Funding Available	Active Cap Limit
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Kern	\$5.25M	\$320K
Fresno	\$2.7M + FCIP	\$320K

Public Comments or Questions



BUILDING EV INFRASTRUCTURE



Thank You!



Comments Due 10/12/2018 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?docketnumber=17-EVI-01>

Recommend all comments be submitted online.

