

## DOCKETED

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<b>Project Title:</b>	Block Grant for Electric Vehicle Charger Incentive Projects
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# Alternative and Renewable Fuel and Vehicle Technology Program

Southern California Incentive Project Workshop  
April 17, 2018

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Energy Commission Specialist I



BUILDING EV INFRASTRUCTURE  
**SOUTHERN CALIFORNIA**



# Agenda

- Welcome
- CALeVIP Background
- Southern California Incentive Project Overview
  - 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



# 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.



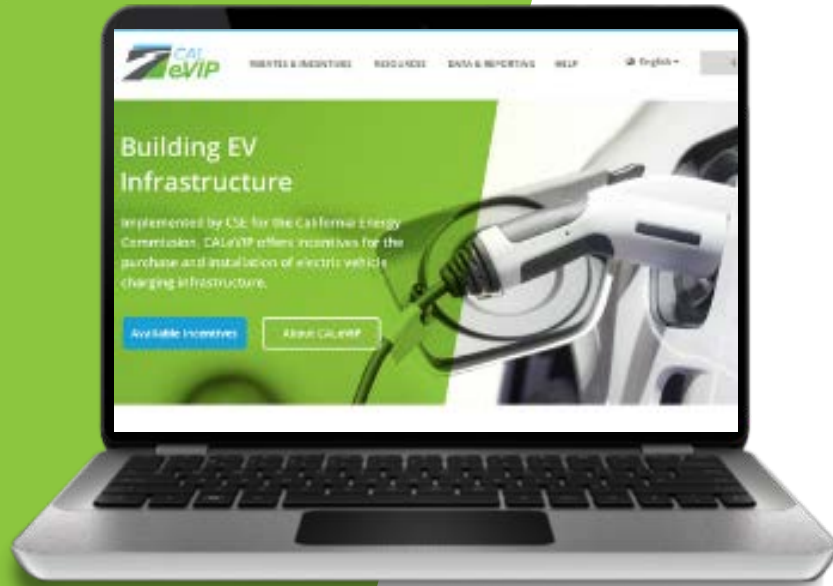


# CALeVIP Background

- CALeVIP vs Incentive Projects
  - CALeVIP = Home for all Incentive Projects
  - Incentive Project = Geographical targeted project
- Current Funding: \$39 million
  - Up to \$200 million in future funding



# CALeVIP Website



## Release 1- May 1<sup>st</sup> , 2018

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

## Release 2- Coming 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 Q3/Q4 2018

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

## Release 4- Expected Q4 2018 or Q1 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



# Southern California Incentive Project (SCIP)



# Southern California Incentive Project (SCIP) Purpose

- 2<sup>nd</sup> Incentive Project from CALeVIP
- To provide incentive payments to support the purchase and installation of DC fast charging stations at commercial sites in Southern California.
- To install charging stations that may support the region's future EV driver DC fast charging needs.



# Incentive Project Fund Availability

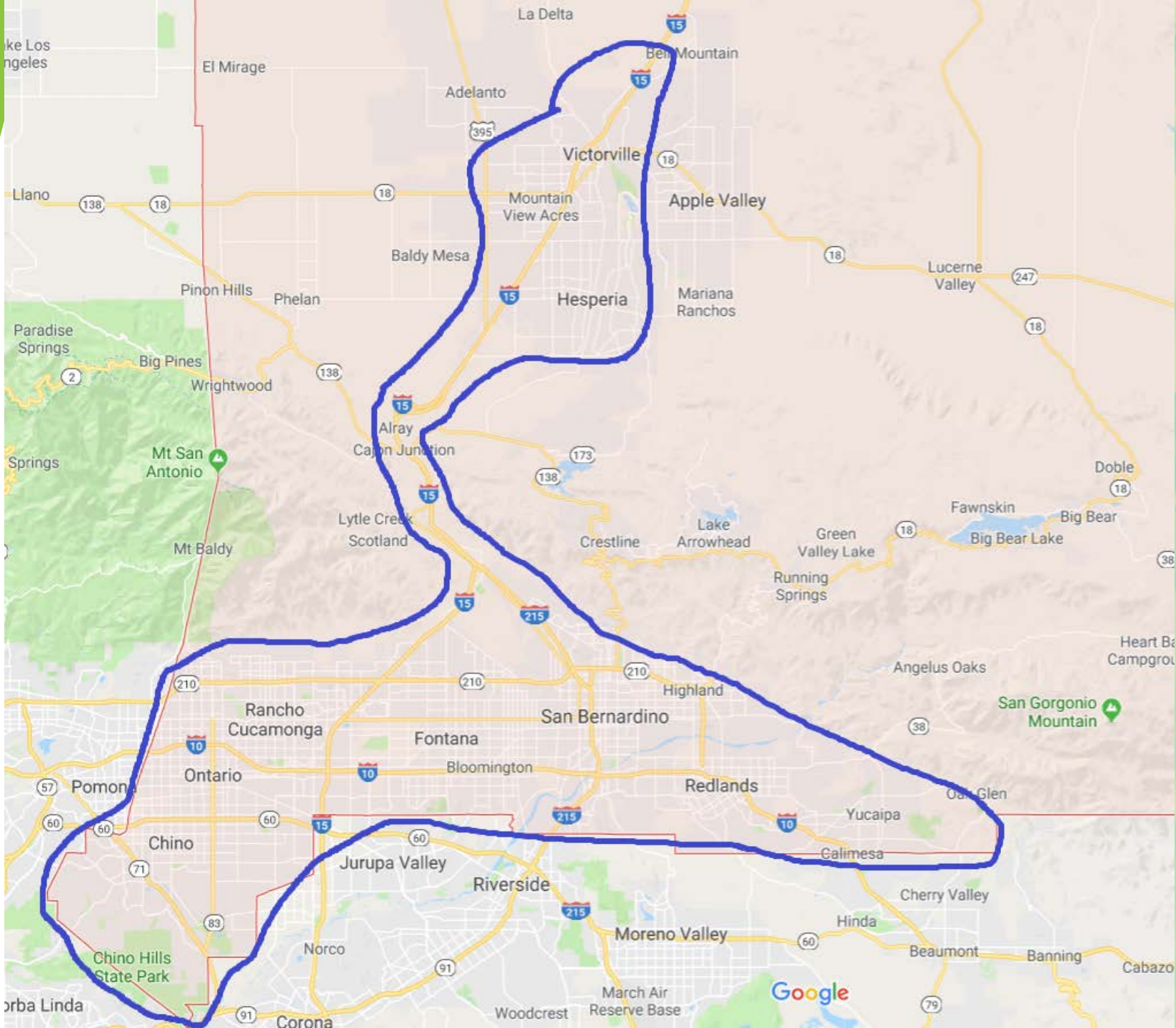
## Southern California Incentive Project Funds

- \$29 million funding available
  - Los Angeles County: \$13M
  - Orange County: \$9M
  - Riverside County: \$5M
  - San Bernardino County\*: \$2M

\*Restricted to the San Bernardino Valley, City of Victorville, and City of Hesperia



# San Bernardino Eligible Region



BUILDING EV INFRASTRUCTURE  
SOUTHERN CALIFORNIA



Minimum  
Distribution to  
Disadvantaged  
Communities  
(DACs)

- Los Angeles County: \$3.25M
- Orange County: \$2.25M
- Riverside County: \$1.25M
- San Bernardino County: \$500K





# Rebate Amounts by Installation Equipment Type

- **New or use of stub-out**
  - Up to \$70,000 per station or 75% of the total project cost, whichever is less
- **Replacement or use of make-ready**
  - Up to \$40,000 per station 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
- DAC eligible: 76% to 100% rating on CalEnviroScreen 3.0
- [Link to CalEnviroScreen 3.0 Tool](#)



# 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

- Los Angeles County: \$600k
- Orange County: \$600k
- Riverside County: \$300k
- San Bernardino County: \$300k



## Rebate Cap Limits - EXAMPLE

- LA County has a \$600k cap limit for active applications
- Fauble Co. files 3 applications all in LA County, 1 for \$300k, 1 for \$200k, and 1 for \$100k
- 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 LA county and is paid the full reserved amount for that application of \$200k
  - Fauble Co.'s new active applications total is \$400k and is now eligible to apply for up to \$200k
  - If Fauble Co. applies for \$250k, 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 – Site locations

- Installation site must be inside LA County, Orange County, Riverside County, or San Bernardino County\*
- Primary: Urban/suburban retail core and/or retail shopping centers, restaurants or gas stations; or
- Secondary: Hotels, parking garages and city or county owned properties located within ¼ mile of the a primary site
- Site must be available to the public 24 hours a day, 365 days a year

\*San Bernardino County installations must be in the San Bernardino Valley, the City of Victorville, or the City of Hesperia



# Station Minimums and Limits

- **New Sites**
  - Los Angeles and Orange 2-4 stations
  - Riverside and San Bernardino 2-3 stations
- **Existing Sites**
  - Los Angeles and Orange 2-3 stations
  - Riverside and San Bernardino 1-2 stations
- **Additional stations may be installed, but will not be eligible for funding from CALeVIP**





# Equipment Requirements

- DC Fast Charging Stations
- **Must have both** CHAdeMO and SAE CCS Combo connectors
- $\geq 50$  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 (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 must fill out and submit an equipment self validation sheet and submit to CSE to be listed as eligible equipment on the project webpage and listed in the application.



# Application Completion Deadline

- Each application must be completed within 1 year from funds being reserved.
  - Applicants should not apply until they have an executed site host agreement
  - Communicate with the necessary utility provider from the beginning
  - Stations must be 100% operational by the 1 year deadline
  - All application documents must be submitted and approved by the 1 year deadline



# SCIP Rebate Process

## STEP 1

Select equipment & apply online.



## STEP 2

CSE reviews application to confirm eligibility.



## STEP 3

Rebate funds reserved. You have 1 year to complete your project.



## STEP 4

Upload documents online for CSE review.



## STEP 5

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



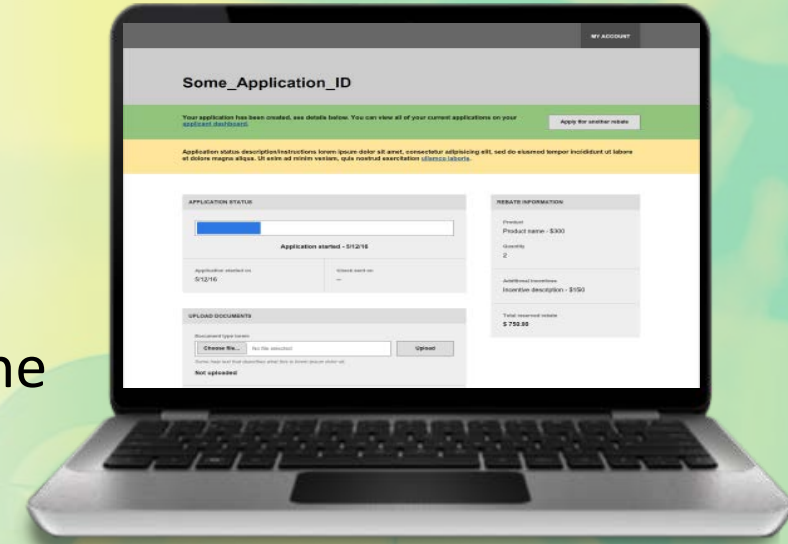
## STEP 6

Project completed – receive remaining payment.



# 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 Worksheet

- Equipment manufacturers submit product information to qualify for any CALeVIP project

The screenshot shows the Microsoft Excel interface with the following ribbon tabs: File, Home, Insert, Page Layout, Formulas, Data, Review, View, and Tell me what you want to do. The ribbon includes various toolbars for Clipboard, Font, Alignment, Number, Styles, Cells, and Editing.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
	Manufacturer	Model #	J1772 Connector	CHAdeMO Connector	SAE CCS Connector	Other Connector	Both CHAdeMO and SAE CCS Connector	# of Ports	Voltage	Input Current (A)	Electrical Output (kW)	Cord Length (s)	Cord Management System	Networkable	Networkable Types	LCD Display	Operating Temperature	Ability to accept some form of Credit Cards?	Ability to accept multiple forms of payment	Energy Star Certified	UL Certified	Intertek Certified
1																						
2	Name	#####	Yes/No	Yes/No	Yes/No	Describe	Yes/No	#	H: ## M: ## L: ##	H: ## M: ## L: ##	H: ## M: ## L: ##	##ft	Yes/No/Optional	Yes/No/Optional	Description	Description/None /Optional	"-##F to ##F"	Yes/No/Optional	Yes/No/Optional	Certification #/NA	Certification #/NA	Certification #/NA
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# Key SCIP Takeaways

- To be eligible, equipment and services must be purchased after *SCIP Funds Reserved*
- EVSPs, contractors and others are eligible to apply with site owner permission
- Applications are limited by rebate caps based on county
- Rebate funds are received in 2 milestone payments



# Tentative Schedule

- Workshop
- Deadline for Comments
- SCIP Launch

April 17, 2018

April 27, 2018 @ 5:00pm

July/August 2018





# Future CALeVIP Information

- CALeVIP Website ([calevip.org](http://calevip.org)) (May 1<sup>st</sup> 2018)
- 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](mailto:calevip@energycenter.org)



# Public Feedback



## Geographical Location

How should we define the San Bernardino region to make sure the public completely understands the eligibility?

- San Bernardino
  - San Bernardino Valley
  - Victorville
  - Hesperia

# Station Minimums and Limits

If the proposed ranges are not sufficient, what ranges would you recommend and why?

- New Sites
  - Los Angeles and Orange 2-4 stations
  - Riverside and San Bernardino 2-3 stations
- Existing Sites
  - Los Angeles and Orange 2-3 stations
  - Riverside and San Bernardino 1-2 stations



## Eligible Sites

Are there any additional site types that should be eligible or requirements that should be added?

- Publicly available 24 hours a day, 365 days a year
- Urban / suburban retail core and/or retail shopping centers, restaurants and gas stations
- Hotels, parking garages, and city or county owned properties near (1/4 mile) to the sites above

# Equipment Requirements

Are any of the DCFC requirements going to be difficult to meet? If so, why?

- Must have both CHAdeMO and SAE CCS Combo connectors
- $\geq 50$  kW
- Must be networked and include a minimum 5 year network agreement
- Hardwired??
- Minimum 5 year warranty??

# Incentive Amounts

## Are the incentive amounts adequate to inspire installations?

- New installation or use of stub-out
  - Up to \$70K per station of 75% of the total project cost, whichever is less
- Replacement or use of make-ready
  - Up to \$40K per station of 75% of the total project cost, whichever is less
- Disadvantaged Community installation
  - Up to \$80K per station of 80% of the total project cost, whichever is less



# Incentive Amounts

Should there be a higher incentive level for 100kW or greater stations?

- If so what should level the incentive amount be?





# Rebate Cap Limits

Are the amounts adequate? If not, what amounts would you recommend and why?

- \$600,000 Los Angeles County
- \$600,000 Orange County
- \$300,000 Riverside County
- \$300,000 San Bernardino County



# Public Comments or Questions



Thank You!



## Comments Due 4/27/2018 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.***

