<table>
<thead>
<tr>
<th><strong>DOCKETED</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Docket Number:</strong></td>
<td>17-EVI-01</td>
</tr>
<tr>
<td><strong>Project Title:</strong></td>
<td>Block Grant for Electric Vehicle Charger Incentive Projects</td>
</tr>
<tr>
<td><strong>TN #:</strong></td>
<td>224820</td>
</tr>
<tr>
<td><strong>Document Title:</strong></td>
<td>2019 CAleVIP Projects Roadmap Workshop Presentation</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Filer:</strong></td>
<td>Jessica Martinez</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
</tr>
<tr>
<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
</tr>
<tr>
<td><strong>Submission Date:</strong></td>
<td>9/28/2018 2:21:42 PM</td>
</tr>
<tr>
<td><strong>Docketed Date:</strong></td>
<td>9/28/2018</td>
</tr>
</tbody>
</table>
• 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.
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.).
• 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
• 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
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
• Region: Sacramento County
• Available Funding: $14M
  • $7.7M = Level 2
  • $6.3M DCFC
  • Minimum of $3.5M to DAC (25%)
• 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
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 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

<table>
<thead>
<tr>
<th>Incentive Project</th>
<th>Eligible for DAC (CalEnviroScreen 3.0)</th>
<th>Minimum funding Allocation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento</td>
<td>76% - 100%</td>
<td>25%</td>
</tr>
<tr>
<td>Northern California</td>
<td>50% - 100%</td>
<td>None</td>
</tr>
<tr>
<td>Central Coast</td>
<td>76% - 100%</td>
<td>None</td>
</tr>
<tr>
<td>San Joaquin Valley</td>
<td>76% - 100%</td>
<td>25%</td>
</tr>
</tbody>
</table>

• **Link to CalEnviroScreen 3.0 Tool**
Rebate Amounts for Level 2 Installations

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

<table>
<thead>
<tr>
<th>Incentive Project</th>
<th>Rebate Per Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento</td>
<td>$5,000</td>
</tr>
<tr>
<td>Northern California</td>
<td>$6,000</td>
</tr>
<tr>
<td>Central Coast</td>
<td>$5,000</td>
</tr>
<tr>
<td>San Joaquin Valley</td>
<td>$3,500*</td>
</tr>
</tbody>
</table>

* 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

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento</td>
<td>$14M</td>
<td>$640K</td>
</tr>
</tbody>
</table>

### Northern California Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shasta</td>
<td>$2.13M</td>
<td>$320K</td>
</tr>
<tr>
<td>Humboldt</td>
<td>$1.47M</td>
<td>$320K</td>
</tr>
<tr>
<td>Tehama</td>
<td>$400K</td>
<td>$100K</td>
</tr>
</tbody>
</table>

### Central Coast Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Cruz</td>
<td>$3.05M</td>
<td>$320K</td>
</tr>
<tr>
<td>Monterey</td>
<td>$2.575M</td>
<td>$320K</td>
</tr>
<tr>
<td>San Benito</td>
<td>$375K</td>
<td>$100K</td>
</tr>
</tbody>
</table>

### San Joaquin Valley Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Joaquin</td>
<td>$6.05M</td>
<td>$320K</td>
</tr>
<tr>
<td>Kern</td>
<td>$5.25M</td>
<td>$320K</td>
</tr>
<tr>
<td>Fresno</td>
<td>$2.7M + FCIP</td>
<td>$320K</td>
</tr>
</tbody>
</table>
• 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
• 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
- \( \geq 6.2 \text{ kW capable} \)
- **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
• 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
• 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
• 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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento Workshop</td>
<td>September 27, 2018</td>
</tr>
<tr>
<td>Eureka Workshop</td>
<td>October 1, 2018</td>
</tr>
<tr>
<td>Fresno Workshop</td>
<td>October 3, 2018</td>
</tr>
<tr>
<td>Salinas Workshop</td>
<td>October 4, 2018</td>
</tr>
<tr>
<td>Deadline for Comments</td>
<td>October 12, 2018 at 5:00 PM</td>
</tr>
<tr>
<td>Sacramento County IP – Launch</td>
<td>February 2019</td>
</tr>
<tr>
<td>Northern California IP – Launch</td>
<td>April 2019</td>
</tr>
<tr>
<td>Central Coast IP – Launch</td>
<td>July 2019</td>
</tr>
<tr>
<td>San Joaquin Valley IP – Launch</td>
<td>October 2019</td>
</tr>
</tbody>
</table>
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
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**

<table>
<thead>
<tr>
<th>Installation Type</th>
<th>Rebate Amount</th>
<th>Percentage of Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>New/Stub-out</td>
<td>Up to $70,000</td>
<td>75%</td>
</tr>
<tr>
<td>Replacement</td>
<td>Up to $40,000</td>
<td>75%</td>
</tr>
<tr>
<td>Disadvantaged Community</td>
<td>Up to $80,000</td>
<td>80%</td>
</tr>
</tbody>
</table>

- **Level 2**

<table>
<thead>
<tr>
<th>Incentive Project</th>
<th>Rebate Per Connector</th>
<th>MUD</th>
<th>DAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento</td>
<td>$5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern California</td>
<td>$6,000</td>
<td>+$1,000/connector</td>
<td>+$500/connector</td>
</tr>
<tr>
<td>Central Coast</td>
<td>$5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>San Joaquin Valley</td>
<td>$3,500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Are the active funding cap limits at sufficient levels?

### Sacramento County Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento</td>
<td>$14M</td>
<td>$640K</td>
</tr>
</tbody>
</table>

### Northern California Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shasta</td>
<td>$2.13M</td>
<td>$320K</td>
</tr>
<tr>
<td>Humboldt</td>
<td>$1.47M</td>
<td>$320K</td>
</tr>
<tr>
<td>Tehama</td>
<td>$400K</td>
<td>$100K</td>
</tr>
</tbody>
</table>

### Central Coast Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Cruz</td>
<td>$3.05M</td>
<td>$320K</td>
</tr>
<tr>
<td>Monterey</td>
<td>$2.575M</td>
<td>$320K</td>
</tr>
<tr>
<td>San Benito</td>
<td>$375K</td>
<td>$100K</td>
</tr>
</tbody>
</table>

### San Joaquin Valley Incentive Project

<table>
<thead>
<tr>
<th>County</th>
<th>Funding Available</th>
<th>Active Cap Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Joaquin</td>
<td>$6.05M</td>
<td>$320K</td>
</tr>
<tr>
<td>Kern</td>
<td>$5.25M</td>
<td>$320K</td>
</tr>
<tr>
<td>Fresno</td>
<td>$2.7M + FCIP</td>
<td>$320K</td>
</tr>
</tbody>
</table>
Public Comments or Questions
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


Recommend all comments be submitted online.