<table>
<thead>
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<th><strong>DOCKETED</strong></th>
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<tr>
<td><strong>Docket Number:</strong></td>
<td>20-IEPR-02</td>
</tr>
<tr>
<td><strong>Project Title:</strong></td>
<td>Transportation</td>
</tr>
<tr>
<td><strong>TN #:</strong></td>
<td>233624</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentaton - IEPR Joint Agency Workshop on Vehicle-Grid Integration &amp; Charging Infrastructure Funding Session 2</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Presentation by Brian Fauble, CEC</td>
</tr>
<tr>
<td><strong>Filer:</strong></td>
<td>Raquel Kravitz</td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>CAL eVIP</td>
</tr>
<tr>
<td><strong>Submitter Role:</strong></td>
<td>Public</td>
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<td><strong>Submission Date:</strong></td>
<td>6/23/2020 4:18:26 PM</td>
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<td><strong>Docketed Date:</strong></td>
<td>6/23/2020</td>
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</table>
Background

We recognize that EV charger installations require coordination across multiple organizations, which may be impacted by closures or reduced capacity due to COVID-19 concerns. If you anticipate delays beyond your project's expiration date due to these issues, please contact us. Extensions will be granted on a case by case basis.

Building EV Infrastructure

The California Electric Vehicle Infrastructure Project (CALeVIP) offers incentives for the purchase and installation of electric vehicle charging infrastructure at publicly accessible sites throughout California.

Find a Project  About CALeVIP

Property Owners

Start planning your project now!
START YOUR PROJECT >
FIND A SERVICE PROVIDER >

EV Charging Manufacturers & Service Providers

Provide equipment - Apply for incentives!
LEARN MORE ABOUT ELIGIBILITY >

www.calevip.org
## CALeVIP Existing Projects

<table>
<thead>
<tr>
<th>Incentive Project</th>
<th>Launch Date</th>
<th>Counties</th>
<th>Funding</th>
<th>Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fresno County</strong></td>
<td>December 2017</td>
<td>Fresno</td>
<td>$4 million</td>
<td>Level 2</td>
</tr>
<tr>
<td><strong>Southern California</strong></td>
<td>August 2018</td>
<td>Los Angeles, Orange, Riverside, San Bernardino</td>
<td>$29 million</td>
<td>DC Fast Chargers</td>
</tr>
<tr>
<td><strong>Sacramento County</strong></td>
<td>April 2019</td>
<td>Sacramento</td>
<td>$15.5 million*</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td><strong>Northern California</strong></td>
<td>May 2019</td>
<td>Shasta, Humboldt, Tehama</td>
<td>$4 million</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td><strong>Central Coast</strong></td>
<td>October 2019</td>
<td>Monterey, Santa Cruz, San Benito</td>
<td>$7 million**</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td><strong>San Joaquin Valley</strong></td>
<td>December 2019</td>
<td>San Joaquin, Kern, Fresno</td>
<td>$14 million</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
</tbody>
</table>

**Total:** $73.5 million

*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.
<table>
<thead>
<tr>
<th>Incentive Project</th>
<th>Launch Date</th>
<th>Counties</th>
<th>Funding</th>
<th>Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sonoma Coast</td>
<td>Launching July 8, 2020</td>
<td>Mendocino Sonoma</td>
<td>$6.75 million*</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td>Peninsula-Silicon Valley</td>
<td>Launching Fall 2020</td>
<td>San Mateo Santa Clara</td>
<td>$56 million**</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td>San Diego County</td>
<td>Launching Winter 2020</td>
<td>San Diego</td>
<td>$21.38 million***</td>
<td>Level 2 &amp; DC fast chargers</td>
</tr>
<tr>
<td><strong>Total</strong>:</td>
<td></td>
<td></td>
<td><strong>$84.13 million</strong></td>
<td></td>
</tr>
</tbody>
</table>

*CEC funding: $5.1M, Partner funding: $1.65M over three years.  
**CEC funding: $33M, Partner funding: $23M over four years.  
***CEC funding $15.8M, Partner funding: $5.58M over three years
2020 Incentive Project Partnerships
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
• Incentive Re-design
  • Lower dollar amounts
  • 50kW rebate and 100kW+ Rebate

• Installation checkpoint reviews
  • Make sure installations stay on track

• Future considerations
  • Additional application requirements
  • Additional checkpoint reviews
CALeVIP Benefits

• Streamlined application process
• AB 1236 – EVSE permit streamlining
  • Considered when selecting new project regions
• Rebate is stackable with most rebate programs
• Equipment requirements are leading to market improvements
Customers are contributing about two-thirds of projects' costs.

Source: Energy Commission Staff
Site-owner anticipated costs by number of connectors installed

Average Level 2 Project Costs per Site by Connectors/Site

Source: Energy Commission Staff

<table>
<thead>
<tr>
<th>Connectors</th>
<th>Average Rebate Paid</th>
<th>Customer's Cost Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 4</td>
<td>$12,218</td>
<td>$31,563</td>
</tr>
<tr>
<td>5 - 7</td>
<td>$23,833</td>
<td>$63,584</td>
</tr>
<tr>
<td>8 - 10</td>
<td>$38,337</td>
<td>$104,042</td>
</tr>
</tbody>
</table>

$0  $20,000  $40,000  $60,000  $80,000  $100,000  $120,000
1 - 4 Connectors  5 - 7 connectors  8 - 10 connectors

Average Level 2 Project Costs per Site by Connectors/Site
CALeVIP and Customer Investments

$2.3 Million Of Investment Incurred With Level 2 Charging

Share of Investment in Disadvantaged Communities

- **$1,008,433**
- **57%, $1,347,521**

Source: Energy Commission Staff
California Electric Vehicle Infrastructure Project (CALeVIP) Cost Data

**LEVEL 2**
- Allocated Rebate Funding: $24,040,000
- Number of Connectors Installed: 230
- CEC Rebates Issued: $314,059
- Total Project Costs: $2,204,632

**DC FAST CHARGERS**
- Allocated Rebate Funding: $49,460,000
- Number of Chargers Installed: 76
- CEC Rebates Issued: $4,885,104
- Total Project Costs: $1,622,431

The California Electric Vehicle Infrastructure Project (CALeVIP) addresses regional needs for electric vehicle (EV) charging infrastructure throughout California while supporting state goals to improve air quality, combat climate change and reduce petroleum use.

Funded by the California Energy Commission (CEC) and implemented by the Center for Sustainable Energy (CSE), CALeVIP provides incentives for EV charger installations and works with local partners on projects that support regional EV needs for Level 2 and direct current fast charging (DCFC). These statewide efforts provide a streamlined process for cost-effective charger installations that can reduce significant gaps in charging availability.

https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/california-electric-vehicle
CALeVIP Cost Data Webpage

https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/california-electric-vehicle
Level 2 DAC Paid Rebates:
$478,981 (54%)

DC Fast Charger
Sample Size of 97 Chargers

$3,063,162
Percentage of Total: 50%

42 Chargers in DAC

$6,173,688

Level 2
Sample Size of 234 Connectors

$864,059
$478,581
Percentage of Total: 54%

128 Connectors in DAC

https://www.energy.ca.gov/programs-and-topics/programs/clean-transportation-program/california-electric-vehicle
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: [https://www.energy.ca.gov/proceedings/energy-commission-proceedings/block-grant-electric-vehicle-charger-incentive-projects](https://www.energy.ca.gov/proceedings/energy-commission-proceedings/block-grant-electric-vehicle-charger-incentive-projects)

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

Brian Fauble
Energy Commission Specialist II
(916) 654-3974
brian.fauble@energy.ca.gov