<table>
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<tr>
<th><strong>Docket Number:</strong></th>
<th>17-EVI-01</th>
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<tbody>
<tr>
<td><strong>Project Title:</strong></td>
<td>Block Grant for Electric Vehicle Charger Incentive Projects</td>
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<td><strong>TN #:</strong></td>
<td>221331</td>
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<tr>
<td><strong>Document Title:</strong></td>
<td>Presentation - Block Grant for EV Incentive Projects</td>
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<tr>
<td><strong>Description:</strong></td>
<td>FresYES Incentive Project Workshop - By: Brian Fauble, September 28, 2017</td>
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<tr>
<td><strong>Filer:</strong></td>
<td>Tami Haas</td>
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<tr>
<td><strong>Organization:</strong></td>
<td>California Energy Commission</td>
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<tr>
<td><strong>Submitter Role:</strong></td>
<td>Commission Staff</td>
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<td><strong>Submission Date:</strong></td>
<td>9/29/2017 10:08:11 AM</td>
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Alternative and Renewable Fuel and Vehicle Technology Program

Block Grant for EV Incentive Projects

FresYES Incentive Project
Workshop

Brian Fauble
September 28, 2017
AGENDA

• Welcome
• Incentive Project Overview
  – Eligibility and Requirements (CEC)
  – Application Process and Website (CSE)
• ChargeUp! Program (SJVAPCD)
• 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.).
## Projects to Date

### Table 1: Charging Outlets Funded by ARFVTP as of March 2017

<table>
<thead>
<tr>
<th></th>
<th>Private Installations</th>
<th>Publicly Accessible Installations</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Single-Family Residential</td>
<td>Private Fleet</td>
<td>Multiunit Dwelling</td>
</tr>
<tr>
<td><strong>Installed</strong></td>
<td>3,936</td>
<td>107</td>
<td>327</td>
</tr>
<tr>
<td><strong>Planned (under construction)</strong></td>
<td>0</td>
<td>0</td>
<td>18</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td>3,936</td>
<td>107</td>
<td>345</td>
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<tr>
<td><strong>Private/Public Subtotal</strong></td>
<td>4,043</td>
<td></td>
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Block Grant Project Background

• Released solicitation November 2016
• Awarded recipient CSE February 17, 2017
• Agreement Executed June 27, 2017
• 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.
Block Grant Project Background

• Block Grant Project vs Incentive Projects
  – Block Grant = Home for all Incentive Projects
  – Incentive Project = Geographical targeted project

• Current Funding: $15.25 million
  – Up to $200 million (future)
FresYES
Incentive Project Purpose

- 1\textsuperscript{st} Incentive Project of the Block Grant Agreement
- To provide rebate payments to support the installation of level 2 charging stations at commercial, workplace and MUD sites in Fresno County.
- To install level 2 charging station that may support Fresno County’s 2025 EV driver level 2 charging needs.
Available Funding

• $4 million funding available for FresYES
• Rebate with reservation
• Rebates:
  – $7,000 per dual port
  – $4,000 per single port
  – FresYES applicant cap of $60,000 per calendar year
Eligibility

• Private companies
• Public agencies
• Installation site must be in Fresno County
• Commercial
• Workplace (private and public)
• MUD shared parking (single family homes are excluded)
Equipment Requirements

- Level 2 charging stations (J1772)
- ≥ 6.2 kW capable
- Must be networked (minimum 1 year networking agreement)
- 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
- *Must be ENERGY STAR® Certified*
Tentative Schedule

• Workshop: September 28, 2017
• Deadline for Comments: October 3, 2017 @ 4:00pm
• FresYES Launch: Expected December 2017
Center for Sustainable Energy
FresYES Website

• Basic Project Content including:
  – Overall project description
  – Eligibility requirements checklist
  – Applicant Steps / Timeline
  – What an applicant will need to start application process
  – Link to: Implementation Manual, FAQs, Privacy Policy, Contact Us

• Project Funding Section:
  – Pie chart and breakdown of Rebates Issued and Reserved and Remaining Funding
FresYES Website

• Applicant Dashboard
  – Create an account
  – Apply and view prior applications

• Application Form
  – Name, organization information, installation address, eligible equipment picklist, display total rebate, survey
  – Transactional and reminder emails
FresYES Application & Rebate Process

1. Create an Account
2. Apply Online
3. CSE reviews documents. Documents complete?
   - Yes: Application pass verification?
     - Yes: Rebate Funds Reserved
     - No: Resubmit documents
   - No: CSE emails applicant to request missing information
4. Complete install and submit documents
   - Yes: Check sent out
   - No: Application cancelled. Funds revert

180 days

Purchase equipment and services

Check sent out
FresYES Equipment Self-Validation Worksheet

- Equipment manufacturers submit product information to qualify for FresYES project
FresYES Key Takeaways

• To be eligible equipment and services must be purchased after *FresYES Funds Reserved*

• Rebates are limited to $60,000 per applicant per calendar year
Future Website Plans

• Block Grant Website
  – Lists all Incentive Projects, past and present
• Hand-raising tools
  – Site Hosts, Vendors, Contractors, Public Siting
• Mapping of projects
• Information
• Statistics
Future Block Grant Information

- Block Grant Website (coming April 2018)
- Energy Commission Block Grant information webpage (http://www.energy.ca.gov/altfuels/zev/2017-EVI-01/)
- Energy Commission list serve
- Center for Sustainable Energy list serve
San Joaquin Valley APCD
Charge Up! Incentive Program

Workshop on the FresYES Incentive Project

Thursday, September 28, 2017
Valley Needs More Clean Vehicles

• San Joaquin Valley faces multiple challenges due to emissions from mobile sources
  – Over 85% NOx emissions
  – Valley is home to two-thirds of the top 30 disadvantaged communities in California

• Valley lags behind the rest of the state in market penetration (electric, plug-in hybrid, natural gas, etc.)
  – 3% of participants in state electric vehicle programs
  – Minimal infrastructure to support electric vehicles

• May 2014: Governing Board approved comprehensive action plan for promoting use of clean vehicle technology
  – PEV Readiness Plan identifies lack of charging infrastructure as a significant barrier to PEV adoption
Charge Up! Program

• Charge Up! Program launched: June 2015

• Goals include:
  – Strengthen Valley’s electric vehicle charging network
  – Reduce “range anxiety”
  – Increase awareness of EV technology to Valley residents
  – Promote the growth of EV adoption

• Provides incentives for public agencies, Valley businesses, and MUDs to install publically-accessible electric vehicle chargers throughout the Valley
Funding

- Funding Levels:

<table>
<thead>
<tr>
<th>Charger Type</th>
<th>Funding Amount</th>
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<tbody>
<tr>
<td>Level 2 Single Port</td>
<td>Up to $5,000 per unit</td>
</tr>
<tr>
<td>Level 2 Dual Port</td>
<td>Up to $6,000 per unit</td>
</tr>
<tr>
<td>Level 3 DC Fast Chargers</td>
<td>Up to $25,000 per unit</td>
</tr>
<tr>
<td>Funding Cap</td>
<td>$50,000 annually per applicant/site</td>
</tr>
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</table>

- Minimum 30% applicant cost-share for DC fast chargers
- Incentive designed to cover 50 - 75% of cost to purchase and install infrastructure
- Fiscal Year 2017/2018 Spending Plan: $3 million
Program Criteria

• Minimum applicant requirements:
  – Enter into an agreement with the District to receive funds
  – Be approved by the District for funding prior to the purchase and installation of EV charger(s)
  – Own, operate, and maintain EV charger(s) for the duration of agreement
  – Own site where EV chargers will be installed, or receive written permission from property owner

• Minimum site requirements:
  – Be located within SJVAPCD boundaries
  – Have designated parking stalls and appropriate signage
  – Align with our PEV Readiness Plan and Siting Analysis
  – Residential charging is not eligible
Program Criteria (cont.)

• Minimum EV charger requirements:
  – Be a hard-wired or a stand-alone, solar-powered unit
  – Meet the SAE J1772 standard
  – Be UL listed (certified by Underwriters Laboratories, Inc.)
  – If applicable, have an open source protocol for payment
  – Have smart charging capabilities to track usage
Application and Claim Process

• **Step 1**: Applicant submits a complete application to the District:
  – Quote for the entire project (chargers + installation costs) must be included

• **Step 2**: Application is reviewed and if approved, District will offer an agreement to applicant
  – Funds are allocated for the project once agreement is offered

• **Step 3**: Agreement is executed once it is signed by both parties
  – Applicants are not allowed to purchase or install the new EV charger(s) prior to the execution of the agreement
Application and Claim Process (cont.)

• **Step 4**: Applicant purchases and installs EV charger(s)
  – Applicant is provided a one year period to complete project

• **Step 5**: Applicant submits a complete claim to the District for reimbursement
  – Invoices for EV charger(s) and installation costs
  – Site photos of installed EV charger(s) required
  – Site must be reported to the Department of Energy’s Alternative Fueling Station Locator website: [https://www.afdc.energy.gov/locator/stations/](https://www.afdc.energy.gov/locator/stations/)

• **Step 6**: District reimburses applicant
Annual Reports

• Annual reporting required for 3 years, commencing approximately 1 year from the date of installation of EV charger(s)
  – District will provide applicant annual report form

• Minimum requested information:
  – Smart Tracking reports which include usage information such as frequency and duration
  – Equipment/Maintenance issues

• Obligations under the agreement are deemed complete once all annual reports are received
EVs and Charging in the Valley

- **Charge Up**: 182 EV chargers and over $1.3 million contracted to date
  - 45% of chargers are in EJ areas and 99% are in a zip code that contains a DAC census tract

- **In Fresno County**:
  - District’s Drive Clean Rebate Program: 2,443 battery electric and plug-in hybrids
  - DOE: 50 publically accessible EV chargers

- **Due to the significant growth of EVs**, a large widespread network of EV chargers is needed to support the current population and provide for future growth
Collaboration with CEC Block Grant

• Allow applicants to stack funding from both programs to maximize incentive funds and minimize out-of-pocket costs

• Implement potential changes to Charge Up Program to align with CEC Block Grant:
  – Convert program from a reimbursement to a rebate
  – Revise program requirements where practical to meet shared goals
  – Streamline application and claim validation process, where feasible
    • Avoid redundancies with CEC Block Grant

• Changes are pending Governing Board approval, with an anticipated relaunch of the program in December 2017
Contact Information

**Charge Up! Program:**
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Dante.Sanson@valleyair.org

Neliya Yanovich  
P#: 559-230-6168  
Neliya.Yanovich@valleyair.org
Comments

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.asp
x?docketnumber=17-EVI-01

Recommend all comments be submitted in online.