

New Agreement ARV-13-057 (To be completed by CGL Office)

Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Sharon Purewal	27	916-654-4566

Recipient's Legal Name	Federal ID Number
Vehicle Grid Integration Alliance	XX-XXXXX

Title of Project
San Francisco CityCharge Project

Term and Amount	Start Date	End Date	Amount
	6 / 18 / 2014	12 / 30 / 2016	\$ 500,000

Business Meeting Information

 ARFVTP agreements under \$75K delegated to Executive Director.

Proposed Business Meeting Date	6 / 18 / 2014	<input type="checkbox"/> Consent	<input checked="" type="checkbox"/> Discussion
Business Meeting Presenter	Lindsee Tanimoto	Time Needed:	5 minutes

Please select one list serve. **Altfuels (AB118- ARFVTP)**

Agenda Item Subject and Description

Proposed resolution approving Agreement ARV-13-057 with the Vehicle Grid Integration Alliance for a \$500,000 grant to install 25 electric vehicle charging stations integrated with advanced battery energy storage and rooftop solar photovoltaic in San Francisco. The project will also provide upgraded electrical capacity to the multi-unit residential buildings where the chargers are located, to enable the cost-efficient future increase of 100 and 200 additional charging stations across the 25 sites. (ARFVTP Funding).

California Environmental Quality Act (CEQA) Compliance

1. Is Agreement considered a "Project" under CEQA?
 Yes (skip to question 2) No (complete the following (PRC 21065 and 14 CCR 15378)):
 Explain why Agreement is not considered a "Project":
 Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .

2. If Agreement is considered a "Project" under CEQA:
 a) Agreement **IS** exempt. (Attach draft NOE)
 Statutory Exemption. List PRC and/or CCR section number:
 Categorical Exemption. List CCR section number: Cal. Code Regs., tit. 14, sects. 15301 "Existing Facilities;" 15303 "New Construction or Conversion of Small Structures;" & 15304 "Minor Alterations to Land."

 Common Sense Exemption. 14 CCR 15061 (b) (3)

Explain reason why Agreement is exempt under the above section:

The project involves the installation of electric vehicle charging infrastructure in existing private and public facilities in the Bay Area.

All power will be provided from the existing electrical panel and the work includes installations of conduit, wiring, electrical connections and mounting equipment. Minor alterations to land, including minor trenching and backfilling may be required to bring power from local sources to proposed charging stations where surface is restored.

Thus, the project will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because:

- 1)The project consists of minor alteration of existing public or private facilities involving negligible or no expansion of use beyond that existing,
- 2)The project consists of construction and location of limited numbers of new, small facilities or structures
- 3)The project consists of minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees except for forestry or agricultural purposes.

 b) Agreement **IS NOT** exempt. (Consult with the legal office to determine next steps.)

Check all that apply

- | | |
|---|---|
| <input type="checkbox"/> Initial Study | <input type="checkbox"/> Environmental Impact Report |
| <input type="checkbox"/> Negative Declaration | <input type="checkbox"/> Statement of Overriding Considerations |
| <input type="checkbox"/> Mitigated Negative Declaration | |

GRANT REQUEST FORM (GRF)



List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)	
Legal Company Name:	Budget
PowerTree	\$ 455,000
	\$ 0
	\$ 0

List all key partners: (attach additional sheets as necessary)	
Legal Company Name:	

Budget Information			
Funding Source	Funding Year of Appropriation	Budget List No.	Amount
ARFVTF	13/14	601.118F	\$500,000
Funding Source			\$
R&D Program Area:	N/A	TOTAL:	\$500,000
Explanation for "Other" selection			
Reimbursement Contract #:		Federal Agreement #:	

Recipient's Administrator/ Officer				Recipient's Project Manager			
Name:	Richard Schorske			Name:	Richard Schorske		
Address:	769 Center Blvd. #131			Address:	769 Center Blvd. #131		
City, State, Zip:	Fairfax, CA 94930			City, State, Zip:	Fairfax, CA 94930		
Phone:	415-310-2407	Fax:	- -	Phone:	415-310-2407	Fax:	- -
E-Mail:	Richards@dsnetwork.org			E-Mail:	Richards@dsnetwork.org		

Selection Process Used	
<input checked="" type="checkbox"/> Competitive Solicitation	Solicitation #: PON-13-606
<input type="checkbox"/> First Come First Served Solicitation	

The following items should be attached to this GRF		
1. Exhibit A, Scope of Work	<input checked="" type="checkbox"/>	Attached
2. Exhibit B, Budget Detail	<input checked="" type="checkbox"/>	Attached
3. CEC 105, Questionnaire for Identifying Conflicts	<input checked="" type="checkbox"/>	Attached
4. Recipient Resolution	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached
5. CEQA Documentation	<input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Attached

Agreement Manager _____ Date _____ Office Manager _____ Date _____ Deputy Director _____ Date _____

**Exhibit A
SCOPE OF WORK**

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2	X	Equipment Procurement and Installation
3		Media and Public Outreach
4		Grid Services
5		Data Collection and Analysis

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Richard Schorske (TVA)		
2	Richard Schorske (TVA) Stacey Reineccius (Powertree) Frank Gobar (Danlin)	Powertree Danlin	
3	Richard Schorske (TVA)		
4	Stacey Reineccius (Powertree)		
5	Richard Schorske (TVA) Stacey Reineccius (Powertree)		

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

Term/ Acronym	Definition
<i>VGI</i>	<i>Vehicle Grid Integration</i>
<i>Recipient</i>	<i>The Vehicle Grid Integration Alliance</i>
<i>O&M</i>	<i>Operations and Maintenance</i>
<i>CAM</i>	<i>Commission Agreement Manager</i>
<i>CPR</i>	<i>Critical Project Review</i>
<i>FTD</i>	<i>Fuels and Transportation Division</i>
<i>CEQA</i>	<i>California Environmental Quality Act</i>
<i>CEC</i>	<i>California Energy Commission</i>
<i>PHEV</i>	<i>Plug-in Hybrid Electric Vehicle</i>
<i>EVSE</i>	<i>Electric Vehicle Supply Equipment</i>
<i>EV</i>	<i>Electric Vehicle</i>
<i>PEV</i>	<i>Plug-in Electric Vehicle</i>

BACKGROUND

Assembly Bill (AB) 118 (Núñez, Chapter 750, Statutes of 2007), created the Alternative and Renewable Fuel and Vehicle Technology Program (ARFVTP). The statute authorizes the California Energy Commission (Energy Commission) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the ARFVTP through January 1, 2024, and specifies that the Energy Commission allocate up to \$20 million per year (or up to 20 percent of each fiscal year's funds) in funding for hydrogen station development until at least 100 stations are operational. The Energy Commission has an annual program budget of approximately \$100 million and provides financial support for projects that:

- Develop and improve alternative and renewable low-carbon fuels;
- Optimize alternative and renewable fuels for existing and developing engine technologies;
- Produce alternative and renewable low-carbon fuels in California;
- Decrease, on a full fuel cycle basis, the overall impact and carbon footprint of alternative and renewable fuels and increase sustainability;
- Expand fuel infrastructure, fueling stations, and equipment;
- Improve light-, medium-, and heavy-duty vehicle technologies;
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets;
- Expand infrastructure connected with existing fleets, public transit, and transportation corridors; and
- Establish workforce training programs, conduct public education and promotion, and create technology centers.

The Energy Commission issued solicitation PON-13-606 to fund electric vehicle charging infrastructure in several categories that will support growth of electric vehicles as a conventional method of transportation and adoption of plug-in electric vehicles over a wide range of California's population and socio-economic classes. To be eligible for funding under PON-13-606, the projects must also be consistent with the Energy Commission's ARFVT Investment Plan updated annually. In response to PON-13-606, the Recipient submitted application number 47, which was proposed for funding in the Energy Commission's Notice of Proposed Awards on April 4, 2014. PON-13-606 is hereby incorporated by reference into this Agreement in its entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient's Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient's Application and the terms of the Energy Commission's Award, the Energy Commission's Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the Recipient's Application, the terms of this Agreement shall control.

Problem Statement

The PEV Readiness Plan recently completed under the oversight of the Bay Area EV Strategic Council and the Bay Area Air Quality Management District, indicates that there is an immediate need for 1000-2000 more publicly accessible charge ports in the 2014-15 period to accommodate the rapid growth in EVs (now numbering approximately 15,000 -- and expected to reach more than 35,000 in 2015 and 100,000+ by 2020.)

Goals of the Agreement

The goal of this project is to support build-out of a robust city-wide charging network for PEVs aligned with the PEV Readiness Plan recently completed under the oversight of the Bay Area EV Strategic Council and the Bay Area Air Quality Management District. *Specifically to:*

- Develop a ubiquitous, convenient, sustainable, and well-maintained region-wide EV charger network.
- Reduce greenhouse gas emissions and improve air quality.
- Increase market penetration of PEVs.

Objectives of the Agreement

The objectives of this Agreement are to cost-effectively achieve the following;

- **Objective 1: Provide, install, and provision 25 PEV charging ports in 25 key Destination Sites** -- in locations that are easily accessible to the public, safe, well-lit, well-maintained, and likely to be well-utilized.
- **Objective 2: Coordinate with local and regional agencies and site owners to support regional plans for PEV charging** and integrate with California's network of existing and planned stations.
- **Objective 3: Enable site hosts to generate adequate revenue to cover the opportunity cost of providing EVSE**, and to maximize station usage and ensure customer convenience.
- **Objective 4: Track and measure station utilization rates** over the duration of the project.
- **Objective 5: Track and calculate equivalent GHG reductions, air quality improvements, and gasoline displaced** by grant funding, including air quality in disadvantaged communities.
- **Objective 6: Analyze usage trends to plan future station locations** in the region.
- **Objective 7: Demonstrate utilization of EVSE in grid services applications that enable site hosts to minimize energy costs** and manage grid impacts.
- **Objective 8: Support the regional "Experience Electric" Campaign to grow PEV sales**, achieving the regional goal of 100,000 PEVs deployed by 2020.

TASK 1 ADMINISTRATION

Task 1.1: Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement. The CAM shall designate the date and location of this meeting and provide an agenda to the Recipient prior to the meeting.

The Recipient shall:

- Attend a “Kick-Off” meeting with the Commission Agreement Manager, the Grants Officer, and a representative of the Accounting Office. The Recipient shall bring its Project Manager, Agreement Administrator, Accounting Officer, and others designated by the Commission Agreement Manager to this meeting.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)
 - The CAM’s expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products and Due Dates
 - Monthly Progress Reports (Task 1.4)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.5)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2: Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget. The Commission Agreement Manager may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient. Meeting participants include the CAM and the Recipient and may include the Commission Grants Officer, the Fuels and Transportation Division

(FTD) biofuel lead, other Energy Commission staff and Management as well as other individuals selected by the CAM to provide support to the Energy Commission.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the Energy Commission, but they may take place at another location.
- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. Prepare and submit schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see section 8 of the Terms and Conditions). If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Commissioner for Transportation for his or her concurrence.
- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare and submit CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work of the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the CAM and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

CAM Products:

- Agenda and a list of expected participants
- Schedule for written determination
- Written determination

Recipient Product:

- CPR Report(s)

Task 1.3: Final Meeting

The goal of this task is to close out this Agreement.

The Recipient shall:

- Meet with Energy Commission staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement.
This meeting will be attended by, at a minimum, the Recipient, the Commission Grants Office Officer, and the Commission Agreement Manager. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the Commission Agreement Manager.
The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The Commission Agreement Manager will determine the appropriate meeting participants.
The administrative portion of the meeting shall be a discussion with the Commission Agreement Manager and the Grants Officer about the following Agreement closeout items:
 - What to do with any equipment purchased with Energy Commission funds (Options)
 - Energy Commission's request for specific "generated" data (not already provided in Agreement products)
 - Need to document Recipient's disclosure of "subject inventions" developed under the Agreement
 - "Surviving" Agreement provisions
 - Final invoicing and release of retention
- Prepare and submit schedule for completing the closeout activities for this Agreement.

Products:

- Written documentation of meeting agreements
- Schedule for completing closeout activities

Task 1.4: Monthly Progress Reports

The goal of this task is to periodically verify that satisfactory and continued progress is made towards achieving the objectives of this Agreement on time and within budget.

The objectives of this task are to summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare and submit Monthly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Each progress report is due to the Commission Agreement Manager within 10 days of the end of the reporting period. The recommended specifications for each progress report are contained in Section 6 of the Terms and Conditions of this Agreement.
- In the first Monthly Progress Report and first invoice, document and verify match expenditures and provide a synopsis of project progress, if match funds have been expended or if work funded with match share has occurred after the notice of proposed award but before execution of the grant agreement. If no match funds have been expended or if no work funded with match share has occurred before execution, then state this in the report. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.

Product:

- Monthly Progress Reports

Task 1.5: Final Report

The goal of the Final Report is to assess the project's success in achieving the Agreement's goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further projects and improvements to the FTD project management processes.

The Final Report shall be a public document. If the Recipient has obtained confidential status from the Energy Commission and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

The Recipient shall:

- Prepare and submit an Outline of the Final Report, if requested by the CAM.
- Prepare and submit Final Report following the latest version of the Final Report guidelines which will be provided by the CAM. The CAM shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed at least 60

- days before the end of the Agreement Term.
- Submit one bound copy of the Final Report with the final invoice.

Products:

- Outline of the Final Report, if requested
- Draft Final Report
- Final Report

Task 1.6: Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds shall be spent concurrently or in advance of Energy Commission funds for each task during the term of this Agreement. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare and submit letter documenting the match funding committed to this Agreement and submit it to the Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the Energy Commission awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
 - Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.

- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the Commission Agreement Manager if during the course of the Agreement additional match funds are received.
- Notify the Commission Agreement Manager within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

- A letter regarding match funds or stating that no match funds are provided
- Copy(ies) of each match fund commitment letter(s) (if applicable)
- Letter(s) for new match funds (if applicable)
- Letter that match funds were reduced (if applicable)

Task 1.7: Identify and Obtain Required Permits

The goal of this task is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track.

Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement. Although the Energy Commission budget for this task will be zero dollars, the Recipient shall budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditure for which a permit is required.

The Recipient shall:

- Prepare and submit letter documenting the permits required to conduct this Agreement and submit it to the Commission Agreement Manager at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.

- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the Commission Agreement Manager.
- As permits are obtained, send a copy of each approved permit to the Commission Agreement Manager.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the Commission Agreement Manager within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit (if applicable)
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each final approved permit (if applicable)

Task 1.8: Obtain and Execute Subcontracts

The goal of this task is to ensure quality products and to procure subcontractors required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement policies and procedures. It will also provide the Energy Commission an opportunity to review the subcontracts to ensure that the tasks are consistent with this Agreement, and that the budgeted expenditures are reasonable and consistent with applicable cost principles.

The Recipient shall:

- Manage and coordinate subcontractor activities.
- Submit a draft of each subcontract required to conduct the work under this Agreement to the Commission Agreement Manager for review.
- Submit a final copy of the executed subcontract.
- If Recipient decides to add new subcontractors, then the Recipient shall notify the CAM.

Products:

- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 EQUIPMENT PROCUREMENT AND INSTALLATION

The goal of this task is to finalize the project design for the following 25 charging station installation sites, determine all necessary parts, tools and, equipment, procure the required electric vehicle charging equipment, schedule delivery of equipment to each site, and install charging stations at all sites. The 25 potential charging station sites identified as of the commencement date of this grant agreement are:

1. 50 Joice Street, San Francisco, CA 94108, San Francisco County
2. 340 Church St ,San Francisco, CA 94114 , San Francisco County
3. 355 Fulton St,San Francisco, CA 94102, San Francisco County
4. 400 Duboce Ave, San Francisco, CA 94117 , San Francisco County
5. 411 15th Ave, San Francisco, CA 94118, San Francisco County
6. 500-506 Bartlett St ,San Francisco, CA 94110, San Francisco County
7. 500 Buchanan St ,San Francisco, CA 94102 , San Francisco County
8. 601 O'Farrell St ,San Francisco, CA 94118 , San Francisco County
9. 621 Stockton St ,San Francisco, CA 94133 , San Francisco County
10. 737 Pine St ,San Francisco, CA 94108 , San Francisco County
11. 1355 Lombard St ,San Francisco, CA 94109 , San Francisco County
12. 1360-1390 Taylor St ,San Francisco, CA 94108 , San Francisco County
13. 1440 Sutter St ,San Francisco, CA 94109 , San Francisco County
14. 1547 Clay St ,San Francisco, CA 94109, San Francisco County
15. 1656 Leavenworth St ,San Francisco, CA 94109 , San Francisco County
16. 1855 10th Ave ,San Francisco, CA 94122, San Francisco County
17. 2038 Divisadero St ,San Francisco, CA 94123, San Francisco County
18. 2238 Hyde St ,San Francisco, CA 94109, San Francisco County
19. 2363 Van Ness Ave ,San Francisco, CA 94123, San Francisco County
20. 3474 17th St ,San Francisco, CA 94110, San Francisco County
21. 3715 California St ,San Francisco, CA 94118, San Francisco County
22. 4540 California St ,San Francisco, CA 94118, San Francisco County
23. 1290 20th Ave ,San Francisco, CA 94122, San Francisco County
24. 1380 Lombard St ,San Francisco, CA 94109 , San Francisco County
25. 1540 Jones St ,San Francisco, CA 94109 , San Francisco County

Site changes. Any change of one or more of the above-identified charging station sites to a new of different proposed site must be effectuated through a mutually-acceptable contract amendment.

Chargers will be installed that meet the following requirements:

- Networked Level 2 EVSE with J1772 connectors and up to 6.6 kW charge rates

- Sited and provisioned for public use in safe locations with 24/7 access, adequate lighting, shelter, signage, and ADA access
- Fully funded two-year maintenance plan in place and site host commitment to maintain charger in following years
- Credit card payment access
- Open standard protocol in place or option to revert to open standards
- Plan to optimize use of equipment
- Conformity with regional PEV Readiness Plan recommendations

The Recipient shall:

- Perform site visits of all 25 installation sites.
- Develop the final list of equipment needed for the project and place an order for all equipment and parts needed to install the electric vehicle charging stations at each of the 25 locations
- Draft and finalize the project design for each location
- Develop an installation schedule for the order of installations for each location.
- Prepare and execute agreements with site hosts to own and maintain equipment.
- Develop operation and maintenance plans for 25 sites.
- Formulate and execute pricing policies for stations, which includes the acceptance of credit cards.
- Meet monthly with project partners to track and evaluate project progress, goals, barriers, and project approach.
- Develop charging station usage plans, including appropriate provision for open source protocols.
- Ensure safety, shelter, access, and lighting requirements are met.
- Enable signage.
- Deploy approved installers and electricians.
- Facilitate communication between contractor, site owner, and equipment supplier.
- Monitor progress of installation work.
- Provide technical support to contractor on an as-needed basis.
- Provide provisioning service to finalize station setup after physical install.

Products:

- Copies of completed equipment and parts order forms
- Final Project Designs for each of the 25 locations
- Installation Schedule for each of the 25 locations
- Agreement with site hosts to own and maintain equipment
- Operation and maintenance plans

- Pricing policies
- Charging station usage plan
- Photos of installed operational charging stations
- Stations populated and viewable on website
- Completed reporting template

[CPR WILL BE HELD IN THIS TASK. See Task 1.2 for details]

TASK 3: MEDIA AND PUBLIC OUTREACH

The goal of this task is to ensure maximum project exposure in the community, press and media.

The Recipient shall:

- Coordinate with regional agencies to announce the program and disseminate information on regional public access to EV charging stations.
- Work with, site owners, regional agencies and the media to develop PR plans and activities coincident with station opening.
- Contact media, schedule, and attend media events.

Products:

- Outreach marketing materials (press releases, fliers, social media post templates)

TASK 4: DEMAND MANAGEMENT SYSTEM DEMONSTRATION

The goal of this task is to pilot tools for reducing site demand charges and assess opportunity and strategy for integration into utility demand response programs.

The Recipient shall:

- Configure EVSE for utilization in smart charging and demand management program configurations at two demonstration sites with high potential for demand charges.
- Track and summarize energy utilization and cost data on EVSE utilization for energy demand mitigation and demand response program participation.

Products:

- Results of demand response and reservation system demo
- Summary of EVSE utilization and demand response program participation

Task 5: DATA COLLECTION AND ANALYSIS

The goal of this task is to collect operational data from the project, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report.

The Recipient shall:

- Develop a plan for data collection.
- Troubleshoot any issues identified.
- Collect 6 months of throughput, usage, and operations data from the project including, but not limited to:
 - Capacity and actual use of the new charging system (including number of charging sessions and energy use in kilowatt-hours per given time period).
 - Gallons of gasoline and/or diesel fuel displaced (with associated mileage information).
 - Expected air emissions reduction, including:
 - Non-methane hydrocarbons,
 - Oxides of nitrogen,
 - Non-methane hydrocarbons plus oxides of nitrogen, and
 - Particulate matter.
 - Specific jobs and economic development resulting from this project.
- Identify any current or planned use of renewable energy at the facility.
- Provide data on potential job creation, economic development, and increased state revenue as a result of expected future expansion.
- Provide a quantified estimate of the project's carbon intensity values for life-cycle greenhouse gas emissions.
- Compare any project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- Collect data, information, and analysis described above and include in the Final Report.

Products:

- Data collection information and analysis will be included in the Final Report

RESOLUTION NO:

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: VEHICLE GRID INTEGRATION ALLIANCE

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) adopts the staff CEQA findings contained in the CEC 270 Grant Request Form; and

FURTHER BE IT RESOLVED, that the Energy Commission approves Agreement ARV-13-057 with the **Vehicle Grid Integration Alliance**, for a **\$500,000** grant, to install 25 electric vehicle charging stations integrate with advanced battery energy storage and rooftop solar photovoltaic at destination sites in San Francisco; and

FURTHER BE IT RESOLVED, that the Executive Director or his/her designee shall execute the same on behalf of the Energy Commission.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on June 18, 2014.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Harriet Kallemeyn,
Secretariat