

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 10/2015)

CALIFORNIA ENERGY COMMISSION

New Agreement ARV-15-064 (To be completed by CGL Office)

| Division | Agreement Manager: | MS- | Phone |
|---------------------------------------|--------------------|-----|--------------|
| 600 Fuels and Transportation Division | Brian Fauble | 6 | 916-654-3974 |

| Recipient's Legal Name | Federal ID Number |
|------------------------|-------------------|
| EV Connect, Inc. | 27-1593412 |

| Title of Project |
|-----------------------|
| EV Connect - ECHC - 7 |

| Term and Amount | Start Date | End Date | Amount |
|-----------------|--------------|---------------|------------|
| | 5 / 1 / 2016 | 8 / 31 / 2018 | \$ 140,001 |

Business Meeting Information
 ARFVTP agreements \$75K and under delegated to Executive Director.

| | | | |
|--------------------------------|---------------|----------------------------------|--|
| Proposed Business Meeting Date | 4 / 13 / 2016 | <input type="checkbox"/> Consent | <input checked="" type="checkbox"/> Discussion |
| Business Meeting Presenter | Thanh Lopez | Time Needed: | 5 minutes |

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

Agenda Item Subject and Description

Proposed resolution approving Agreement ARV-15-064 with EV Connect, Inc. for a \$140,001 grant to deploy three electric vehicle charging stations (consisting of 1 DC fast charger and two level 2 electric vehicle charging stations) at one site between San Clemente and Oceanside on Interstate 5.

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: §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:
 This Agreement will fund the purchase and installation of electric vehicle charging stations and appropriate signage. The Agreement will consist of construction and location of limited numbers of new, small facilities or structures since the stations will be located in existing parking lots and each fast charger will be similar in size to a payphone, the level two stations will be similar in size to a parking meter and signage will be similarly small in size. The Agreement will consist of the operation or minor alteration of existing structures and facilities involving negligible or no expansion of use beyond that existing since the charging stations will be located in existing parking lots and utilize existing parking spaces and utilities from existing adjacent buildings. In addition signage will be placed on existing highways, streets, and other similar facilities. To the extent alterations to land are required for the Agreement, the Agreement will consist of minor alternations in the conditions of land by grading on land with a slope of less than 10% or possibly minor trenching and backfilling where the surface is restored to prepare the existing parking lot spaces for installation of a charging station or preparing a site for sign installation and will not involve removal of healthy, mature, scenic trees.
- 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 | |

List all subcontractors (major and minor) and equipment vendors: (attach additional sheets as necessary)

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CALIFORNIA ENERGY COMMISSION



| | |
|---------------------|-----------|
| Legal Company Name: | Budget |
| TBD | \$ 65,000 |
| | \$ 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 |
|-----------------------------------|-------------------------------|----------------------|-----------|
| ARFVTP | 14/15 | 601.118 G | \$140,001 |
| Funding Source | | | \$ |
| R&D Program Area: | Select Program Area | TOTAL: | \$140,001 |
| Explanation for "Other" selection | | | |
| Reimbursement Contract #: | | Federal Agreement #: | |

| Recipient's Administrator/ Officer | | | | Recipient's Project Manager | | | |
|------------------------------------|------------------------------|------|--------------|-----------------------------|------------------------------|------|--------------|
| Name: | Erik Yan | | | Name: | David Hughes | | |
| Address: | 615 N. Nash Stree, Suite 203 | | | Address: | 615 N. Nash Stree, Suite 203 | | |
| City, State, Zip: | El Segundo, Ca 90245 | | | City, State, Zip: | El Segundo, Ca 90245 | | |
| Phone: | 310-961-2096 | Fax: | 310-425-7992 | Phone: | 310-961-2096 | Fax: | 310-425-7992 |
| E-Mail: | eyan@evconnect.com | | | E-Mail: | david@evconnect.com | | |

Selection Process Used

| | | |
|---|-----------------|------------|
| <input checked="" type="checkbox"/> Competitive Solicitation | Solicitation #: | GFO-15-601 |
| <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 checked="" type="checkbox"/> N/A | <input 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 # | | Task Name |
|---------------|----------|-------------------------------------|
| 1 | | Administration |
| 2 | X | Equipment Procurement |
| 3 | | Installations & Operations Start-Up |
| 4 | | Operations, Maintenance and Support |
| 5 | | Data Collection and Analysis |

GLOSSARY

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

| Term/ Acronym | Definition |
|--------------------------|--|
| AB | Assembly Bill |
| AC | Alternating Current |
| ARFVTP | Alternative and Renewable Fuel and Vehicle Technology Program |
| CAM | Commission Agreement Manager |
| CCS | Combined Charging System |
| CHAdEMO | The trade name of a quick-charging method for battery electric vehicles delivering 625.5 kW if high-voltage via a special electrical connector |
| CPR | Critical Project Review |
| DC | Direct Current |
| Dual Standard | Having both a CHAdEMO and SAE CCS charging port available |
| EV | Electric Vehicle |
| FTD | Fuels and Transportation Division |
| kW | Kilowatt |
| kWh | Kilowatt-hour |
| Recipient | EV Connect, Inc. |
| SAE | Society of Automotive Engineers |

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-authorized the ARFVTP through January 1, 2024, and specified 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 ARFVTP has an annual budget of approximately \$100 million and provides financial support for projects that:

- Reduce California's use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use.
- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

The Energy Commission issued solicitation GFO-15-601 (Solicitation) to fund projects that will install Direct Current (DC) fast charging stations on Interstate 5 (I-5), State Route 99 (SR 99), and along United States Highway 101 (US-101) from San Jose traveling south in California to Buellton. To be eligible for funding the projects must also be consistent with the Energy Commission's ARFVTP Investment Plan updated annually. In response to GFO-15-601, EV Connect, Inc. (Recipient) submitted application number 7, which was proposed for funding in the Energy Commission's Notice of Proposed Awards on February 16, 2016. The Solicitation and Recipient's application are hereby incorporated by reference into this Agreement in their 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 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:

Light duty electric vehicles with expected travel range of 75 miles or less currently are unable to cross the North-South routes from the Oregon border to Mexico. This agreement will address this deficiency along Electric Charging Highway Corridor 7, from San Clemente to Oceanside along Interstate 5. With the installation of an additional Direct Current (DC) fast charger charging station, electric vehicle drivers will have greater range confidence when travelling on the corridor.

Goals of the Agreement:

The goal of this agreement is to provide easy public access to DC fast charging and level 2 charging stations along Interstate Highway 5 from, from San Clemente to Oceanside to allow Electric Vehicle (EV) drivers to travel the entire length of the corridor.

Objectives of the Agreement:

- Install, at the selected site along the corridor:
 - One networked, dual-connector, single active port, 50-kilowatt (kW) DC fast-charging station with both CHAdeMO and Society of Automotive Engineers (SAE) Combined Charging System (CCS) connectors
 - Two networked, dual-port J1772-compliant Level-2 charger
 - One expansion stub out that will include 2-inch minimum spare conduit run with pull robe that is sized, installed, and located per the National Electrical Code for future installation of wiring supporting up to a 480 Volt (V) Alternating Current (AC), 4-wire, 125kW load
 - On-site, highway and trailblazer signage
- Ensure stations are available to the public 24 hours a day, seven days a week and other operations and maintenance requirements.

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 Commission Agreement Manager (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 CAM, the Commission Agreement Officer (CAO), and a representative of the Energy Commission Accounting Office. The Recipient shall bring their Project Manager, Agreement Administrator, Accounting Officer, and any others determined necessary by the Recipient or specifically requested by the CAM 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

CAM 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 CAM may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient.

A CPR Meeting is scheduled after the completion of Task 2 and additional CPR meeting may be scheduled if necessary

Meeting participants include the CAM and the Recipient and may include the Commission Agreement Officer, the Fuels and Transportation Division (FTD) program 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 a 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 a 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 closeout 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 CAM. 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 CAM.
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 CAM will determine the appropriate meeting participants.
The administrative portion of the meeting shall be a discussion with the CAM 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 a 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 a 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 CAM 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 a 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 a letter documenting the match funding committed to this Agreement and submit it to the CAM 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 CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM 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 a letter documenting the permits required to conduct this Agreement and submit it to the CAM 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 CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM 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 CAM 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:

- Letter describing the subcontracts needed, or stating that no subcontracts are required
- Draft subcontracts
- Final subcontracts

TECHNICAL TASKS

TASK 2 EQUIPMENT PROCUREMENT

The goal of this task is to finalize the project design for the following charging station installation site, determine all necessary parts, tools and equipment, and to procure the required electric vehicle charging equipment and schedule delivery of the equipment to each site. The charging site is:

| Site Location | Dual Standard DC Fast Charger | Dual Port J1772 Station |
|--|-------------------------------|-------------------------|
| 1. 93 Via Pico Plaza, San Clemente, CA 92672 | 1 | 2 |

Site Changes: Any change of the above identified charging stations site to a new or different proposed site must be effectuated through a mutually-acceptable contract amendment.

The Recipient shall

- Perform site visits for the installation site and assure that:
 - All charging station components are capable of being operational and publically accessible 24 hours a day, every day
 - Stations will not be located in locations with limited access or availability such as behind a fence or in a gated parking lot closed to the public after hours
 - The host site has paved parking spaces to render electric charging services
 - The charging spaces will be adequately lit and in a location safe from traffic circulation and with ingress/egress points

- Develop the final list of equipment needed for the project and place an order for all equipment and materials necessary to install the electric vehicle charging stations at the site.
- Charging stations must meet the following specifications
 - Certified by the Underwriters Laboratories, Inc. or equivalent safety standard
 - Include open communication protocol standard
 - The operator must have remote diagnostics and the ability to “remote start” the equipment
- Draft and finalize the Project Design for the installation site.
- Develop an Installation Schedule for the site.
- Create a Signage Plan that includes, but is not limited to, the following:
 - Make a good faith effort to execute a non-exclusive trademark license agreement with the Washington State Department of Transportation to brand the charging stations as part of the West Coast Electric Highway
 - Working with Caltrans in implementing Traffic Operations Policy Directive (13-01)
 - Installing trailblazer signage that clearly identifies the route from the freeway to the site
 - Ensuring that signage clearly identifies the charging site location to an approaching driver from any ingress
 - Signage along the roadways as the exit approaches and on the off-ramps
 - Identifying parking is for electric vehicles only
 - Stating non-electric vehicles may be towed
 - Informing drivers of price per unit of measure
 - Electric vehicle driver accessibility
 - Additional signage that may be required by federal, state, or local laws, regulations, and ordinances

Products:

- Copies of completed equipment and materials order forms
- Final Project Design for the site
- Installation Schedule for the site
- Signage Plan

[A CPR meeting is scheduled after the completion of this Task and others may be scheduled if necessary]

TASK 3 INSTALLATIONS & OPERATIONS START-UP

The goal of this task is to install and bring onto operations all the electric vehicle charging stations and necessary equipment at the site.

The Recipient shall:

- Install all charging stations per approved Project Designs.
- Utilize the finalized Project Designs to:
 - Prepare for new electric utility service entrance
 - Perform any required earthwork/trenching/boring
 - Pour concrete pads
 - Install conduit, wiring, and applicable lighting

- Patch and seal any concrete, asphalt or other surfaces impacted by trenching
- Install striping
- Install service entrance electrical equipment, panel boards and any small transformers and electrical disconnects
- Install one networked, dual-connector, single active port, 50-kilowatt (kW) DC fast-charging station with both CHAdeMO and Society of Automotive Engineers (SAE) Combined Charging System (CCS) connectors
- Install two networked, dual-port J1772-compliant Level-2 charger
- Install expansion stub out for future expansion that includes 2-inch minimum spare conduit run with pull robe that is sized, installed, and located per the National Electrical Code for future installation of wiring supporting up to a 480V AC, 4-wire, 125kW load
- Install the signage as described in the Signage Plan.
- Provide station operation training to responsible site host.
- Perform commissioning and final inspections to verify that installations meet the design intent and requirements.
- Ensure that all charging stations are properly provisioned on the network.
- Advise and train the site project manager on the process of configuring charging stations for access and pricing, if any.
- Create an Acceptance Plan to test the equipment at the site and execute then submit the Acceptance Plan Results to the CAM.
- Ensure the proper operations of each charging station.

Products:

- Photographs of the installed the Dual Standard DC fast charging station
- Photographs of each of the 2 dual port J1772 compliant level 2 charging stations
- Photographs for each installed sign and striping
- Acceptance Plan Results for the site

TASK 4 OPERATIONS, MAINTENANCE AND SUPPORT

The goal of this task is to provide ongoing operating and maintenance for all equipment at the site for a minimum of three years and up to five years.

The Recipient shall:

- Provide 24 hour customer service, every day, provided through a call center and ensure that equipment is operational at least 95% of the time.
- Perform all charging station manufacturer required maintenance.
- Assure equipment is kept safe, clean and presentable. This includes ensuring the maintenance of charging station pedestals, ancillary equipment, and any awnings, canopies, shelters and information display kiosks or signage associated with the charging station.
- Address any issues such as, but not limited to: malfunctions and repairs, within 48 hours of the initial notice. For significant or complex issues leading to downtime (such as vandalism), the equipment should be repaired in 2-5 days.
- Obtain product warranties for the dual standard DC fast charging stations and 2 dual port J1772 compliant level 2 charging stations.
- Respond to service calls on an as needed basis in a timely manner.

Products:

- Charging station operations and maintenance manuals
- Charging station warranty documentation

Task 5 DATA COLLECTION AND ANALYSIS

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

The Recipient shall:

- Develop and submit a Data Collection Plan.
- Collect 6 months of throughput, usage, and operations data from the project, including but not limited to, the following (if available):
 - Number of charging events (actual and/or estimated) for each charger over a defined period of time
 - Amount of electricity (actual, averaged, and/or estimated) used per charging event over a defined period of time
 - Types of users (such as local drivers, commuters, long-distance travelers)
 - Estimated cumulative miles driven per defined period of time
 - Charging availability (charging units connected to a vehicle vs. time of day)
 - Charging demand (aggregated electricity demand vs. time of day).
- Information on troubleshooting any issues that occurred during the planning of the charging sites, installation of the charging stations, and operation (including maintenance issues) of the chargers.
- Provide a quantified estimate of the project's carbon intensity values for life-cycle greenhouse gas emissions and the methodology used to provide estimate.
- Compare any expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- Incorporate data collection and analysis into the Final Report

Products:

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: EV CONNECT, INC.

RESOLVED, that the State Energy Resources Conservation and Development Commission (Energy Commission) adopts the staff CEQA findings contained in the Agreement or Amendment Request Form (as applicable); and

RESOLVED, that the Energy Commission approves Agreement ARV-15-064 from GFO-15-601 with EV Connect, Inc. for a \$140,001 grant to deploy three electric vehicle charging stations (consisting of one DC fast charger and two level 2 electric vehicle charging stations) at one site between San Clemente and Oceanside on Interstate 5; 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 April 13, 2016.

AYE: [List of Commissioners]

NAY: [List of Commissioners]

ABSENT: [List of Commissioners]

ABSTAIN: [List of Commissioners]

Cody Goldthrite,
Secretariat