**STATE OF CALIFORNIA**

**GRANT REQUEST FORM (GRF)**

CEC-270 (Revised 10/2015) CALIFORNIA ENERGY COMMISSION

New Agreement  **EPC-16-058**  (To be completed by CGL Office)

<table>
<thead>
<tr>
<th>Division</th>
<th>Agreement Manager:</th>
<th>MS-</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERDD</td>
<td>Bryan Lee</td>
<td>43</td>
<td>916-327-1414</td>
</tr>
</tbody>
</table>

**Recipient’s Legal Name**

Prospect Silicon Valley

<table>
<thead>
<tr>
<th>Federal ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>27-0220018</td>
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</table>

**Title of Project**

Advanced Transit Bus VGI Project

<table>
<thead>
<tr>
<th>Term and Amount</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>5/15/2017</td>
<td>12/31/2020</td>
<td>$1,899,199</td>
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</tbody>
</table>

**Business Meeting Information**

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

<table>
<thead>
<tr>
<th>Proposed Business Meeting Date</th>
<th>Consent</th>
<th>Discussion</th>
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<tbody>
<tr>
<td>5/10/2017</td>
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<table>
<thead>
<tr>
<th>Business Meeting Presenter</th>
<th>Time Needed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kiel Pratt</td>
<td>5 minutes</td>
</tr>
</tbody>
</table>

Please select one list serve. EPIC (Electric Program Investment Charge)

**Agenda Item Subject and Description**

PROSPECT SILICON VALLEY. Proposed resolution approving agreement EPC-16-058 with Prospect Silicon Valley for a $1,899,199 grant to develop advanced energy management and grid service capabilities for electric buses with a major transit agency, to integrate the capabilities into fleet operations, and to demonstrate these capabilities and the resulting improvement in the business case for electric buses.

**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 15376)):

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:
   - Common Sense Exemption. 14 CCR 15061 (b) (3)
     Explain reason why Agreement is exempt under the above section:
     This project takes place at an existing location. There will be an installation of charging systems in an existing fleet parking lot and facility. The Santa Clara Valley Transportation Authority is self permitting and intends to issue a negative declaration. The work under the project (adding EV charging stations and the trenching and electrical connections at an existing facility and 10 buses) falls within the exemptions for modifications at existing facilities (sec. 15301) and data collection (sec. 15306).
   - b) Agreement IS NOT exempt. (Consult with the legal office to determine next steps.)

Check all that apply

- Initial Study
- Negative Declaration
- Mitigated Negative Declaration
- Environmental Impact Report
- Statement of Overriding Considerations
### List all subcontractors (major and minor) and equipment vendors:

<table>
<thead>
<tr>
<th>Legal Company Name</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kisensum, Inc.</td>
<td>$ 299,986</td>
</tr>
<tr>
<td>National Renewable Energy Laboratory (NREL)</td>
<td>$ 427,712</td>
</tr>
<tr>
<td>Santa Clara Valley Transit Authority</td>
<td>$ 325,272</td>
</tr>
<tr>
<td>CALSTART, Inc.</td>
<td>$ 95,000</td>
</tr>
<tr>
<td>Energy Solutions International</td>
<td>$ 90,000</td>
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<tr>
<td>California EV Alliance</td>
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<tr>
<td>NOVA Workforce Investment Board</td>
<td>$ 50,000</td>
</tr>
<tr>
<td>Proterra Inc.</td>
<td>$ 0</td>
</tr>
<tr>
<td>TBD General Contractor</td>
<td>$ 27,000</td>
</tr>
<tr>
<td>To Be Determined</td>
<td>$ 80,000</td>
</tr>
<tr>
<td>To Be Determined</td>
<td>$ 45,014</td>
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<tr>
<td>To Be Determined</td>
<td>$ 75,000</td>
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### List all key partners:

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<th>Budget</th>
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### Budget Information

<table>
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<tr>
<th>Funding Source</th>
<th>Funding Year of Appropriation</th>
<th>Budget List No.</th>
<th>Amount</th>
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<tbody>
<tr>
<td>EPIC</td>
<td>15-16</td>
<td>301.001C</td>
<td>$1,899,199</td>
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<tr>
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<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
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R&D Program Area: [ESRO: ETSI]

TOTAL: $1,899,199

### Recipient's Administrator/Officer

<table>
<thead>
<tr>
<th>Name</th>
<th>Rafael Reyes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>1608 Las Plumas Ave</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>San Jose, CA 95133-1655</td>
</tr>
<tr>
<td>Phone</td>
<td>408-409-5534 / Fax: - -</td>
</tr>
<tr>
<td>E-Mail</td>
<td><a href="mailto:rafael.reyes@prospectsv.org">rafael.reyes@prospectsv.org</a></td>
</tr>
</tbody>
</table>

### Recipient's Project Manager

<table>
<thead>
<tr>
<th>Name</th>
<th>Rafael Reyes</th>
</tr>
</thead>
<tbody>
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<td><a href="mailto:rafael.reyes@prospectsv.org">rafael.reyes@prospectsv.org</a></td>
</tr>
</tbody>
</table>

### Selection Process Used

- [x] Competitive Solicitation
- [ ] First Come First Served Solicitation

Solicitation #: GFO-16-303

### The following items should be attached to this GRF

1. Exhibit A, Scope of Work
2. Exhibit B, Budget Detail
3. CEC 105, Questionnaire for Identifying Conflicts
4. Recipient Resolution
5. CEQA Documentation

<table>
<thead>
<tr>
<th>Item</th>
<th>Attached</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhibit A, Scope of Work</td>
<td>[x] Attached</td>
</tr>
<tr>
<td>Exhibit B, Budget Detail</td>
<td>[x] Attached</td>
</tr>
<tr>
<td>CEC 105, Questionnaire for Identifying Conflicts</td>
<td>[x] Attached</td>
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<tr>
<td>Recipient Resolution</td>
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</tr>
<tr>
<td>CEQA Documentation</td>
<td>[x] N/A Attached</td>
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</table>
EXHIBIT A
Scope of Work

I. TASK ACRONYM/TERM LISTS

A. Task List

<table>
<thead>
<tr>
<th>Task #</th>
<th>CPR</th>
<th>Task Name</th>
</tr>
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<tbody>
<tr>
<td>1</td>
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<td>General Project Tasks</td>
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<tr>
<td>2</td>
<td></td>
<td>Needs Analysis and Design</td>
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<tr>
<td>3</td>
<td>X</td>
<td>Development and Deployment</td>
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<tr>
<td>4</td>
<td>X</td>
<td>Measurement, Verification, and Final Analysis</td>
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<td>5</td>
<td></td>
<td>Evaluation of Project Benefits</td>
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<td>6</td>
<td></td>
<td>Technology/Knowledge Transfer Activities</td>
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B. Acronym/Term List

<table>
<thead>
<tr>
<th>Acronym/Term</th>
<th>Meaning</th>
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</thead>
<tbody>
<tr>
<td>CAM</td>
<td>Commission Agreement Manager</td>
</tr>
<tr>
<td>CAO</td>
<td>Commission Agreement Officer</td>
</tr>
<tr>
<td>CPR</td>
<td>Critical Project Review</td>
</tr>
<tr>
<td>DR</td>
<td>Demand Response</td>
</tr>
<tr>
<td>E-Bus</td>
<td>Electric Bus</td>
</tr>
<tr>
<td>LCFS</td>
<td>Low Carbon Fuel Standard</td>
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<tr>
<td>PV</td>
<td>Photovoltaic</td>
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<tr>
<td>SOC</td>
<td>Battery State of Charge</td>
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<tr>
<td>TAC</td>
<td>Technical Advisory Committee</td>
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<tr>
<td>VGI</td>
<td>Vehicle Grid Integration</td>
</tr>
<tr>
<td>V1G</td>
<td>Unidirectional vehicle to grid services</td>
</tr>
<tr>
<td>V2G</td>
<td>Bidirectional vehicle to grid services</td>
</tr>
<tr>
<td>ZEV</td>
<td>Zero Emission Vehicle</td>
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</tbody>
</table>

II. PURPOSE OF AGREEMENT, PROBLEM/SOLUTION STATEMENT, AND GOALS AND OBJECTIVES

A. Purpose of Agreement

The purpose of this Agreement is to fund a demonstration of advanced energy management and grid service capabilities for electric buses. The project will partner with a major transit agency, develop these energy service capabilities, integrate them into fleet operations, and demonstrate the resulting improvement in the business case for electric buses to significantly advance California's clean energy goals.

1 Please see subtask 1.3 in Part III of the Scope of Work (General Project Tasks) for a description of Critical Project Review (CPR) Meetings.
EXHIBIT A
Scope of Work

B. Problem/ Solution Statement

Problem
California has established ambitious goals for zero emissions vehicles (ZEV) and renewable energy, including an expected target of 100% transit conversion to ZEVs by 2040 and 50% renewables by 2030. Currently, transit buses are significantly more expensive than conventional buses, have no integration with critical commercial operational tools, and conversion planning for agencies is complex and costly. In addition, renewable goals require more responsive energy services to address grid variability.

Solution
The Recipient will develop advanced energy management and grid services for electric buses with a major transit agency and integrate them into fleet operations and key vehicle grid integration (VGI) tools resulting in both demonstrating grid services and improving the business case for electric buses. The Recipient will also develop analysis to inform transit agency planners and a statewide analysis on the potential grid benefits of statewide adoption and strategies for accelerating that adoption.

C. Goals and Objectives of the Agreement

Agreement Goals
The goals of this Agreement are to:
1. Develop and demonstrate robust value-added, real-world business case: Establish advanced VGI in a major bus fleet, addressing both fleet operations and grid needs associated with emerging electrified transit fleets in California and the US. Strengthen the business case for e-buses and energy services, and accelerating adoption.
2. Assess and provide direction for scaled deployment: Develop the analytic and implementation roadmap for scaled deployment both for complete agency electrification and mass adoption statewide.
3. Support accelerated commercialization and readiness: Provide a platform for commercialization of the technologies and strategies shown in the project, including integration with key VGI platforms under development. Support an integrated training and apprenticeship program to ensure workforce readiness.

Ratepayer Benefits: This Agreement will result in the ratepayer benefits of a) added grid flexibility that improves renewable integration, lower the cost of electricity and improve system reliability, b) reduced diesel fuel consumption which lowers greenhouse gas and criteria pollutants emissions, c) increased energy independence by reducing petroleum imports and d) reduced safety concerns with transport and storage of liquid fuels for transportation. Energy services enabled e-buses in California will provide significant ratepayers benefits while improving the economic proposition for electrification of transit fleets. This project will demonstrate the benefits of e-bus VGI to accelerate replication across the State’s over 21,000 registered buses.

Specific benefits include:
- Lower costs for agencies from demand charge avoidance and energy service revenue and reduced grid costs by providing significant grid services at lower cost than dedicated assets purchased for such services;
EXHIBIT A
Scope of Work

- Greater reliability from added lower cost and predictable grid services for utilities and the California independent service operator (CAISO) to address grid variability;
- Increase safety from the reduced need to produce, deliver and store diesel fuel; environmental benefits including, reducing 4,000 metric tons of carbon dioxide per year representing a 78% reduction from the current buses;
- Public health improvements from eliminating up to 255,000g carbon monoxide, 21,000g hydrocarbons, 3,200g NOx and 170g parts per million per year; and
- Energy security by reducing use of liquid fuel which is mostly imported, and allowing for domestic production of the vehicle feedstock (i.e., electricity), which can be provided by renewable sources or from domestically produced natural gas.

Technological Advancement and Breakthroughs: This Agreement will lead to technological advancement and breakthroughs to overcome barriers to the achievement of the State of California’s statutory energy goals by a) drive down the costs of responsive grid assets and deliver lower cost energy services through one of the largest readily addressable market segments for bringing these resources to the state with less complexity than fragmented resources (such as private electrical vehicles) and lower cost than deployments dedicated to serving that need; b) improving the business case of e-buses including reducing cost via advanced management (smart charging, demand charge management), establishing revenue generation opportunities (demand response (DR), wholesale energy services), and addressing commercial fleet management needs; c) addressing the need for deep understanding on the potential for transit e-bus VGI and strategies for scaling through a statewide roadmap; and d) ensuring benefits reach all communities by delivering VGI enabled e-bus transit to underserved communities.

Agreement Objectives
The objectives of this Agreement are to:

1. Develop and demonstrate robust value-added, real-world business case:
   - Deploy integrated system: Using e-buses acquired by project partner, deploy an initial 5 to 10, all-battery e-buses and up to an additional 25 e-buses in the project term, combined with charging infrastructure and energy services software for a fully operational and integrated system.
   - Deliver portfolio of energy services: Provide a progression of energy services including smart charging, retail energy services and potentially wholesale services.
   - Integrate management tools: Link critical fleet management tools required to support scaling of e-bus services.
   - Optimize operations and advanced battery management: Ensure business case for transit VGI is maximized by optimizing infrastructure and depot energy costs, bus route options and uptime, battery degradation and replacement, and energy services revenue.
   - Develop comprehensive operational analytics: Refine duty cycle and charging management with operational data and recommendations for fleet managers and decision-makers.
   - Ensure robust cyber security: Assess risk factors across interfaces and implement advanced security features.

2 California Public Resources Code, Section 25711.5(a) also requires EPIC-funded projects to lead to technological advancement and breakthroughs to overcome barriers that prevent the achievement of the state’s statutory and energy goals.
2. Assess and provide direction for scaled deployment:
   • Assess fleet-scale services: Develop optimal strategy, costs and considerations for fleet-wide e-bus deployment including infrastructure requirements, utility costs, revenue, photovoltaic (PV), storage, and other factors.
   • Assess state-scale application: Develop model of state-wide comprehensive e-bus deployment including roles for energy services, PV, and storage. Assess total grid services and transit agency benefits, including bi-directional power, DR, ancillary services. Include cost-benefit analyses for local agencies and adoption recommendations.

3. Support accelerated commercialization and readiness:
   • Integrate VGI platforms: Integrate energy management with other Energy Commission funded VGI tools to the degree feasible, such as the Demand Clearing House and the Open Source, Open Architecture Building Energy Management System.
   • Recommend state codes & regulations Input: Develop state and utility recommendations on codes, rates, communications standards and incentives.
   • Initiate ongoing e-bus VGI solutions program: Establish state-wide working group and transit agency partnership program to promulgate best-practices and provide hands-on assistance for VGI enabled e-bus deployment.
   • Enable workforce readiness: Through workforce boards, community colleges and unions ensure training programs for current and future talent pools include advanced energy management for e-buses.

III. TASK 1 GENERAL PROJECT TASKS

PRODUCTS

Subtask 1.1 Products
The goal of this subtask is to establish the requirements for submitting project products (e.g., reports, summaries, plans, and presentation materials). Unless otherwise specified by the Commission Agreement Manager (CAM), the Recipient must deliver products as required below by the dates listed in the Project Schedule (Part V). Products that require a draft version are indicated by marking “(draft and final)” after the product name in the “Products” section of the task/subtask. If “(draft and final)” does not appear after the product name, only a final version of the product is required. With respect to due dates within this Scope of Work, “days” means working days.

The Recipient shall:

For products that require a draft version, including the Final Report Outline and Final Report
   • Submit all draft products to the CAM for review and comment in accordance with the Project Schedule (Part V). The CAM will provide written comments to the Recipient on the draft product within 15 days of receipt, unless otherwise specified in the task/subtask for which the product is required.
   • Consider incorporating all CAM comments into the final product. If the Recipient disagrees with any comment, provide a written response explaining why the comment was not incorporated into the final product.
EXHIBIT A
Scope of Work

- Submit the revised product and responses to comments within 10 days of notice by the CAM, unless the CAM specifies a longer time period, or approves a request for additional time.

For products that require a final version only
- Submit the product to the CAM for acceptance. The CAM may request minor revisions or explanations prior to acceptance.

For all products
- Submit all data and documents required as products in accordance with the following:

Instructions for Submitting Electronic Files and Developing Software:

  o **Electronic File Format**
    - Submit all data and documents required as products under this Agreement in an electronic file format that is fully editable and compatible with the Energy Commission’s software and Microsoft (MS)-operating computing platforms, or with any other format approved by the CAM. Deliver an electronic copy of the full text of any Agreement data and documents in a format specified by the CAM, such as memory stick or CD-ROM.

    The following describes the accepted formats for electronic data and documents provided to the Energy Commission as products under this Agreement, and establishes the software versions that will be required to review and approve all software products:
    - Data sets will be in MS Access or MS Excel file format (version 2007 or later), or any other format approved by the CAM.
    - Text documents will be in MS Word file format, version 2007 or later.
    - Documents intended for public distribution will be in PDF file format.
    - The Recipient must also provide the native Microsoft file format.
    - Project management documents will be in Microsoft Project file format, version 2007 or later.

  o **Software Application Development**
    Use the following standard Application Architecture components in compatible versions for any software application development required by this Agreement (e.g., databases, models, modeling tools), unless the CAM approves other software applications such as open source programs:
    - Microsoft ASP.NET framework (version 3.5 and up). Recommend 4.0.
    - Microsoft Internet Information Services (IIS), (version 6 and up) Recommend 7.5.
    - C# Programming Language with Presentation (UI), Business Object and Data Layers.
    - SQL (Structured Query Language).
    - XML (external interfaces).
EXHIBIT A  
Scope of Work

Any exceptions to the Electronic File Format requirements above must be approved in writing by the CAM. The CAM will consult with the Energy Commission’s Information Technology Services Branch to determine whether the exceptions are allowable.

MEETINGS

Subtask 1.2 Kick-off Meeting
The goal of this subtask is to establish the lines of communication and procedures for implementing this Agreement.

The Recipient shall:
- Attend a “Kick-off” meeting with the CAM, the Commission Agreement Officer (CAO), and any other Energy Commission staff relevant to the Agreement. The Recipient will bring its Project Manager and any other individuals designated by the CAM to this meeting. The administrative and technical aspects of the Agreement will be discussed at the meeting. Prior to the meeting, the CAM will provide an agenda to all potential meeting participants. The meeting may take place in person or by electronic conferencing (e.g., WebEx), with approval of the CAM.

    The administrative portion of the meeting will include discussion of the following:
    - Terms and conditions of the Agreement;
    - Administrative products (subtask 1.1);
    - CPR meetings (subtask 1.3);
    - Match fund documentation (subtask 1.7);
    - Permit documentation (subtask 1.8);
    - Subcontracts (subtask 1.9); and
    - Any other relevant topics.

    The technical portion of the meeting will include discussion of the following:
    - The CAM’s expectations for accomplishing tasks described in the Scope of Work;
    - An updated Project Schedule;
    - Technical products (subtask 1.1);
    - Progress reports and invoices (subtask 1.5);
    - Final Report (subtask 1.6);
    - Technical Advisory Committee meetings (subtasks 1.10 and 1.11); and
    - Any other relevant topics.

- Provide an Updated Project Schedule, List of Match Funds, and List of Permits, as needed to reflect any changes in the documents.

The CAM shall:
- Designate the date and location of the meeting.
- Send the Recipient a Kick-off Meeting Agenda.

Recipient Products:
- Updated Project Schedule (if applicable)
- Updated List of Match Funds (if applicable)
EXHIBIT A
Scope of Work

- Updated List of Permits *(if applicable)*

CAM Product:
- Kick-off Meeting Agenda

**Subtask 1.3 Critical Project Review (CPR) Meetings**
The goal of this subtask is to determine if the project should continue to receive Energy Commission funding, and if so whether any modifications must be made to the tasks, products, schedule, or budget. CPR meetings provide the opportunity for frank discussions between the Energy Commission and the Recipient. As determined by the CAM, discussions may include project status, challenges, successes, advisory group findings and recommendations, final report preparation, and progress on technical transfer and production readiness activities (if applicable). Participants will include the CAM and the Recipient, and may include the CAO and any other individuals selected by the CAM to provide support to the Energy Commission.

CPR meetings generally take place at key, predetermined points in the Agreement, as determined by the CAM and as shown in the Task List on page 1 of this Exhibit. However, the CAM may schedule additional CPR meetings as necessary. The budget will be reallocated to cover the additional costs borne by the Recipient, but the overall Agreement amount will not increase. CPR meetings generally take place at the Energy Commission, but they may take place at another location, or may be conducted via electronic conferencing (e.g., WebEx) as determined by the CAM.

**The Recipient shall:**
- Prepare a *CPR Report* for each CPR meeting that: (1) discusses the progress of the Agreement toward achieving its goals and objectives; and (2) includes recommendations and conclusions regarding continued work on the project.
- Submit the CPR Report along with any other *Task Products* that correspond to the technical task for which the CPR meeting is required (i.e., if a CPR meeting is required for Task 2, submit the Task 2 products along with the CPR Report).
- Attend the CPR meeting.
- Present the CPR Report and any other required information at each CPR meeting.

**The CAM shall:**
- Determine the location, date, and time of each CPR meeting with the Recipient’s input.
- Send the Recipient a *CPR Agenda* and a *List of Expected CPR Participants* in advance of the CPR meeting. If applicable, the agenda will include a discussion of match funding and permits.
- Conduct and make a record of each CPR meeting. Provide the Recipient with a *Schedule for Providing a Progress Determination* on continuation of the project.
- Determine whether to continue the project, and if so whether modifications are needed to the tasks, schedule, products, or budget for the remainder of the Agreement. If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Deputy Director of the Energy Research and Development Division.
- Provide the Recipient with a *Progress Determination* on continuation of the project, in accordance with the schedule. The Progress Determination may include a requirement that the Recipient revise one or more products.
EXHIBIT A
Scope of Work

Recipient Products:
- CPR Report(s)
- Task Products (draft and/or final as specified in the task)

CAM Products:
- CPR Agenda
- List of Expected CPR Participants
- Schedule for Providing a Progress Determination
- Progress Determination

Subtask 1.4 Final Meeting
The goal of this subtask is to complete the closeout of this Agreement.

The Recipient shall:
- Meet with Energy Commission staff to present project findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement. This meeting will be attended by the Recipient and CAM, at a minimum. The meeting may occur in person or by electronic conferencing (e.g., WebEx), with approval of the CAM.

The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be divided into two separate meetings at the CAM’s discretion.
- The technical portion of the meeting will involve the presentation of findings, conclusions, and recommended next steps (if any) for the Agreement. The CAM will determine the appropriate meeting participants.
- The administrative portion of the meeting will involve a discussion with the CAM and the CAO of the following Agreement closeout items:
  - Disposition of any state-owned equipment.
  - Need to file a Uniform Commercial Code Financing Statement (Form UCC-1) regarding the Energy Commission’s interest in patented technology.
  - The Energy Commission’s request for specific “generated” data (not already provided in Agreement products).
  - Need to document the Recipient’s disclosure of “subject inventions” developed under the Agreement.
  - “Surviving” Agreement provisions such as repayment provisions and confidential products.
  - Final invoicing and release of retention.
- Prepare a Final Meeting Agreement Summary that documents any agreement made between the Recipient and Commission staff during the meeting.
- Prepare a Schedule for Completing Agreement Closeout Activities.
- Provide All Draft and Final Written Products on a CD-ROM or USB memory stick, organized by the tasks in the Agreement.

Products:
- Final Meeting Agreement Summary (if applicable)
- Schedule for Completing Agreement Closeout Activities
- All Draft and Final Written Products
REPORTS AND INVOICES

Subtask 1.5 Progress Reports and Invoices
The goals of this subtask are to: (1) periodically verify that satisfactory and continued progress is made towards achieving the project objectives of this Agreement; and (2) ensure that invoices contain all required information and are submitted in the appropriate format.

The Recipient shall:

- Submit a monthly Progress Report to the CAM. Each progress report must:
  - Summarize progress made on all Agreement activities as specified in the scope of work for the preceding month, including accomplishments, problems, milestones, products, schedule, fiscal status, and an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. See the Progress Report Format Attachment for the recommended specifications.

- Submit a monthly or quarterly Invoice that follows the instructions in the “Payment of Funds” section of the terms and conditions, including a financial report on Match Fund and in-state expenditures.

Products:

- Progress Reports
- Invoices

Subtask 1.6 Final Report
The goal of this subtask is to prepare a comprehensive Final Report that describes the original purpose, approach, results, and conclusions of the work performed under this Agreement. The CAM will review the Final Report, which will be due at least two months before the Agreement end date. When creating the Final Report Outline and the Final Report, the Recipient must use the Style Manual provided by the CAM.

Subtask 1.6.1 Final Report Outline

The Recipient shall:

- Prepare a Final Report Outline in accordance with the Style Manual provided by the CAM. (See Task 1.1 for requirements for draft and final products.)

Recipient Products:

- Final Report Outline (draft and final)

CAM Product:

- Style Manual
- Comments on Draft Final Report Outline
- Acceptance of Final Report Outline

Subtask 1.6.2 Final Report

The Recipient shall:

- Prepare a Final Report for this Agreement in accordance with the approved Final Report Outline, Style Manual, and Final Report Template provided by the CAM with the following considerations:
EXHIBIT A
Scope of Work

- Ensure that the report includes the following items, in the following order:
  - Cover page (required)
  - Credits page on the reverse side of cover with legal disclaimer (required)
  - Acknowledgements page (optional)
  - Preface (required)
  - Abstract, keywords, and citation page (required)
  - Table of Contents (required, followed by List of Figures and List of Tables, if needed)
  - Executive summary (required)
  - Body of the report (required)
  - References (if applicable)
  - Glossary/Acronyms (If more than 10 acronyms or abbreviations are used, it is required.)
  - Bibliography (if applicable)
  - Appendices (if applicable) (Create a separate volume if very large.)
  - Attachments (if applicable)

- Ensure that the document is written in the third person.
- Ensure that the Executive Summary is understandable to the lay public.
  - Briefly summarize the completed work. Succinctly describe the project results and whether or not the project goals were accomplished.
  - Identify which specific ratepayers can benefit from the project results and how they can achieve the benefits.
  - If it’s necessary to use a technical term in the Executive Summary, provide a brief definition or explanation when the technical term is first used.

- Follow the Style Guide format requirements for headings, figures$tables, citations, and acronyms/abbreviations.
- Ensure that the document omits subjective comments and opinions. However, recommendations in the conclusion of the report are allowed.
- Include a brief description of the project results in the Abstract.

- Submit a draft of the report to the CAM for review and comment. The CAM will provide written comments to the Recipient on the draft product within 15 days of receipt.
- Consider incorporating all CAM comments into the Final Report. If the Recipient disagrees with any comment, provide a written response explaining why the comment was not incorporated into the final product.
- Submit the revised Final Report and responses to comments within 10 days of notice by the CAM, unless the CAM specifies a longer time period or approves a request for additional time.
- Submit one bound copy of the Final Report to the CAM along with Written Responses to Comments on the Draft Final Report.

Products:
- Final Report (draft and final)
- Written Responses to Comments on the Draft Final Report

CAM Product:
- Written Comments on the Draft Final Report
Subtask 1.7 Match Funds
The goal of this subtask is to ensure that the Recipient obtains any match funds planned for this Agreement and applies them to the Agreement during the Agreement term.

While the costs to obtain and document match funds are not reimbursable under this Agreement, the Recipient may spend match funds for this task. The Recipient may only spend match funds during the Agreement term, either concurrently or prior to the use of Energy Commission funds. Match funds must be identified in writing, and the Recipient must obtain any associated commitments before incurring any costs for which the Recipient will request reimbursement.

The Recipient shall:
- Prepare a **Match Funds Status Letter** that documents the match funds committed to this Agreement. 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 this 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 cash match funds, their source(s) (including a contact name, address, and telephone number), and the task(s) to which the match funds will be applied.
    - The amount of each in-kind contribution, a description of the contribution type (e.g., property, services), the documented market or book value, the 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 must identify its owner and provide a contact name, address, telephone number, and the address where the property is located.
    - A copy of a letter of commitment from an authorized representative of each source of match funding that the funds or contributions have been secured.

  - At the Kick-off meeting, discuss match funds and the impact on the project if they are significantly reduced or not obtained as committed. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
  - Provide a **Supplemental Match Funds Notification Letter** to the CAM of receipt of additional match funds.
  - Provide a **Match Funds Reduction Notification Letter** to the CAM if existing match funds are reduced during the course of the Agreement. Reduction of match funds may trigger a CPR meeting.

**Products:**
- Match Funds Status Letter
- Supplemental Match Funds Notification Letter (*if applicable*)
- Match Funds Reduction Notification Letter (*if applicable*)
Subtask 1.8 Permits
The goal of this subtask 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, with the exception of costs incurred by University of California recipients. Permits must be identified and obtained before the Recipient may incur any costs related to the use of the permit(s) for which the Recipient will request reimbursement.

The Recipient shall:
- Prepare a Permit Status Letter that documents the permits required to conduct this Agreement. If no permits are required at the start of this Agreement, then state this in the letter. If permits will be required during the course of the Agreement, provide in the letter:
  - A list of the permits that identifies: (1) the type of permit; and (2) the name, address, and telephone number of the permitting jurisdictions or lead agencies.
  - The schedule the Recipient will follow in applying for and obtaining the permits.

The list of permits and the schedule for obtaining them will be discussed at the Kick-off meeting (subtask 1.2), and a timetable for submitting the updated list, schedule, and copies of the permits will be developed. The impact on the project 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 progress reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, then provide the CAM with an Updated List of Permits (including the appropriate information on each permit) and an Updated Schedule for Acquiring Permits.
- Send the CAM a Copy of Each Approved Permit.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 days. Either of these events may trigger a CPR meeting.

Products:
- Permit Status Letter
- Updated List of Permits (if applicable)
- Updated Schedule for Acquiring Permits (if applicable)
- Copy of Each Approved Permit (if applicable)

Subtask 1.9 Subcontracts
The goals of this subtask are to: (1) procure subcontracts required to carry out the tasks under this Agreement; and (2) ensure that the subcontracts are consistent with the terms and conditions of this Agreement.

The Recipient shall:
- Manage and coordinate subcontractor activities in accordance with the requirements of this Agreement.
- Incorporate this Agreement by reference into each subcontract.
- Include any required Energy Commission flow-down provisions in each subcontract, in addition to a statement that the terms of this Agreement will prevail if they conflict with the subcontract terms.
- If required by the CAM, submit a draft of each Subcontract required to conduct the work under this Agreement.
- Submit a final copy of the executed subcontract.
EXHIBIT A
Scope of Work

- Notify and receive written approval from the CAM prior to adding any new subcontractors (see the discussion of subcontractor additions in the terms and conditions).

Products:
- Subcontracts (draft if required by the CAM)

TECHNICAL ADVISORY COMMITTEE

Subtask 1.10 Technical Advisory Committee (TAC)
The goal of this subtask is to create an advisory committee for this Agreement. The TAC should be composed of diverse professionals. The composition will vary depending on interest, availability, and need. TAC members will serve at the CAM’s discretion. The purpose of the TAC is to:
- Provide guidance in project direction. The guidance may include scope and methodologies, timing, and coordination with other projects. The guidance may be based on:
  o Technical area expertise;
  o Knowledge of market applications; or
  o Linkages between the agreement work and other past, present, or future projects (both public and private sectors) that TAC members are aware of in a particular area.
- Review products and provide recommendations for needed product adjustments, refinements, or enhancements.
- Evaluate the tangible benefits of the project to the state of California, and provide recommendations as needed to enhance the benefits.
- Provide recommendations regarding information dissemination, market pathways, or commercialization strategies relevant to the project products.

The TAC may be composed of qualified professionals spanning the following types of disciplines:
- Researchers knowledgeable about the project subject matter;
- Members of trades that will apply the results of the project (e.g., designers, engineers, architects, contractors, and trade representatives);
- Public interest market transformation implementers;
- Product developers relevant to the project;
- U.S. Department of Energy research managers, or experts from other federal or state agencies relevant to the project;
- Public interest environmental groups;
- Utility representatives;
- Air district staff; and
- Members of relevant technical society committees.
EXHIBIT A
Scope of Work

The Recipient shall:

- Prepare a **List of Potential TAC Members** that includes the names, companies, physical and electronic addresses, and phone numbers of potential members. The list will be discussed at the Kick-off meeting, and a schedule for recruiting members and holding the first TAC meeting will be developed.
- Recruit TAC members. Ensure that each individual understands member obligations and the TAC meeting schedule developed in subtask 1.11.
- Prepare a **List of TAC Members** once all TAC members have committed to serving on the TAC.
- Submit *Documentation of TAC Member Commitment* (such as Letters of Acceptance) from each TAC member.

**Products:**
- List of Potential TAC Members
- List of TAC Members
- Documentation of TAC Member Commitment

**Subtask 1.11 TAC Meetings**

The goal of this subtask is for the TAC to provide strategic guidance for the project by participating in regular meetings, which may be held via teleconference.

The Recipient shall:

- Discuss the TAC meeting schedule with the CAM at the Kick-off meeting. Determine the number and location of meetings (in-person and via teleconference) in consultation with the CAM.
- Prepare a **TAC Meeting Schedule** that will be presented to the TAC members during recruiting. Revise the schedule after the first TAC meeting to incorporate meeting comments.
- Prepare a **TAC Meeting Agenda** and **TAC Meeting Back-up Materials** for each TAC meeting.
- Organize and lead TAC meetings in accordance with the TAC Meeting Schedule. Changes to the schedule must be pre-approved in writing by the CAM.
- Prepare **TAC Meeting Summaries** that include any recommended resolutions of major TAC issues.

**Products:**
- TAC Meeting Schedule (draft and final)
- TAC Meeting Agendas (draft and final)
- TAC Meeting Back-up Materials
- TAC Meeting Summaries

IV. TECHNICAL TASKS

*Products that require a draft version are indicated by marking “*(draft and final)*” after the product name in the “Products” section of the task/subtask. If “*(draft and final)*” does not appear
EXHIBIT A
Scope of Work

after the product name, only a final version of the product is required. **Subtask 1.1 (Products)** describes the procedure for submitting products to the CAM.

**TASK 2: NEEDS ANALYSIS AND DESIGN**
The goals of this task are to (1) define initial operating scenario models and requirements for software enhancement and (2) produce the technical designs for the software and communications infrastructure as well as recommendations for both the pilot deployment and fleet wide scale up recommendations.

**Subtask 2.1 Needs Analysis**

The Recipient shall:

- Produce **Identification of Grid Service Options**, a list of grid services opportunities for transit buses, including brief descriptions, participation criteria and requirements.
- Produce a **Duty Cycle Data Summary** that contains the summary results of data gathered on bus duty cycles.
- Produce **Fleet Management Requirements**, which will detail functional and technical requirements for operating the VGI software and hardware system, including features required for fleet management software.
- Produce **Software Functional Specification Document** which will describe:
  - any user interaction screens
  - the business logic
  - the support for operational processes for fleet management and charging tools integration
- Produce **Operating Models Document** which will model operating scenarios including dwell times, route length, electrical costs, revenue potential and battery size/impact implications.
- Produce **Cyber Security Risk Assessments and Recommendations**, a description of specific points of potential vulnerability and technical recommendations for the system architecture to ensure security.

**Products:**

- Identification of Grid Service Options
- Duty Cycle Data Summary
- Fleet Management Requirements
- Software Functional Specification Document
- Operating Models Document
- Cyber Security Risk Assessments and Recommendations

**Subtask 2.2 System Design**

The Recipient shall:

- Produce **Applications to Energy Resource Programs**, which will include technical detail on timeframes, energy capacities and other details as required.
- Produce **Software Design Document and Unit Test Plan**, which will define current and new feature set, external interfaces and technical approach. The unit test plan is also defined at this time.
- Produce **Integration and Acceptance Test Plan**, a detailed plan for complete testing of fully installed system to ensure functionality prior to production operation.
EXHIBIT A  
Scope of Work

- Produce *Pilot Analysis and Recommendations*, which will analyze duty cycle requirements and energy services (wholesale and retail) potential to optimize fleet operations and energy services software algorithms.
- Produce the *Preliminary Fleet-Wide Analysis* which will assess 5-15 year-long term electrification plans for all operations and provide substantive recommendations to optimize power costs (utility retail, wholesale, direct access), infrastructure (electric vehicle supply equipment, PV, and storage) and energy services (unidirectional vehicle-grid services (V1G) and bidirectional vehicle to grid services (V2G)) based on duty cycle needs and plans. Includes low carbon fuel standard (LCFS), battery degradation and replacement, and net present value economic analysis.
- Produce the *Communications Technical Design*, which will detail the specifications for the communications infrastructure including hardware components, software layers, and communications protocols.

Products:
- Applications to Energy Resource Programs
- Software Design Document and Unit Test Plan
- Integration and Acceptance Test Plan
- Pilot Analysis and Recommendations
- Preliminary Fleet-Wide Analysis
- Communications Technical Design

TASK 3: DEVELOPMENT AND DEPLOYMENT

The goals of this task are to (1) deploy 5 to 10 charging stations and 5 to 10 buses, (2) develop software, security, and communications systems based on the design of the charging stations and buses and (3) deploy the software, security, and communications systems.

Subtask 3.1 Bus and Infrastructure Deployment

The Recipient shall:
- Produce the *Bus and Infrastructure Deployment Report*, which will describe the buses and infrastructure deployed including power features, communications capabilities, deployment issues (if any) and commissioning results.
- Produce *Photos of Buses and Infrastructure*.

Products:
- Bus and Infrastructure Deployment Report
- Photos of Buses and Infrastructure

Subtask 3.2 Energy Services System Development

The Recipient shall:
- Produce the *Software Development Unit Test Report*, which is a summary of the modules developed and the outcome of the unit tests for each module.
- Produce the *Security and Communications Development Report*, which is a summary of implemented communications and security components deployed, including operational and administrative requirements.
EXHIBIT A
Scope of Work

- Produce the *External Interfaces Unit Testing Report*, which is a summary of the interface test results including errors identified and corrective actions taken.
- Produce the *Integration Testing Report*, which is documentation of complete system test with all external interfaces in place and actual busses being charged. Includes services simulation.
- Produce *Grid Services Phase 1 Program Certifications*, which are document(s) received from utility or other energy services consumers confirming readiness of the services to receive energy services.
- Develop and produce the *Operations Training Manual*, which is a written or on-line guide to support the operators of the system.
- Produce a *Checklist of Operations with Energy Services*, which is the final system checklist for administrators and operators specifying final tasks before initiating energy services.
- Produce the *Grid Services Phase 2 Program Certifications*, which are document(s) received from utility or other energy services consumers confirming readiness of the services to receive additional energy services.

**Products:**
- Software Development Unit Test Report
- Security and Communications Development Report
- External Interfaces Unit Testing Report
- Integration Testing Report
- Grid Services Phase 1 Program Certifications
- Operations Training Manual
- Checklist of Operations with Energy Services
- Grid Services Phase 2 Program Certifications

**Subtask 3.3 Energy Services Operations**

**The Recipient shall:**
- Produce a *Preliminary Report on Phase 1 Operations with Energy Services*, which is a report on initial operations that includes issues identified, resolution actions taken or required, and summary of actual results after 2 months of operation.
- Produce a *Preliminary Report on Phase 2 Operations with Energy Services*, which is a report on initial operations of added energy services including issues identified, resolution actions taken or required, and summary of actual results after 2 months of operation.
- Prepare *CPR Report #1* that: (1) discusses the progress of the Agreement toward achieving its goals and objectives; and (2) includes recommendations and conclusions regarding continued work on the project.

**Products:**
- Preliminary Report on Phase 1 Operations with Energy Services
- Preliminary Report on Phase 2 Operations with Energy Services
- CPR Meeting #1

**TASK 4: MEASUREMENT, VERIFICATION, AND FINAL ANALYSIS**
EXHIBIT A
Scope of Work

The goals of this task are to (1) develop a model of project performance that will be used to optimize algorithms for energy services and provide input to the operating strategy and initial scaled deployment analysis, (2) other major results analytics will follow energy services operation, including data collection, actual performance report compared to expected performance and updated performance model to inform future projects and fleet-wide rollout analysis, and (3) also develop a statewide analysis of the potential for e-buses with energy service.

Subtask 4.1 Measurement and Verification

The Recipient shall:

- Produce the Modeled Performance Report, which will include a model to project energy services and bus performance including meeting duty cycle requirements, expected battery state of charge (SOC) conditions, charging and energy services energy & financial metrics.
- Produce the Data Collection Summary Report, which includes a summary of performance data collected from operational buses and energy services including duty-cycles, battery health metrics, energy services delivered, and financial performance.
- Produce the Actual Performance Report, which will assess energy services and bus performance including meeting duty cycle requirements, expected vs. actual SOC conditions (explain variances), charging and energy services energy & financial metrics.
- Produce the Updated Performance Model, which is an updated spreadsheet performance model with major editable parameters for assessing transit bus VGI potential and operating approach.

Products:

- Modeled Performance Report
- Data Collection Summary Report
- Actual Performance Report
- Updated Performance Model

Subtask 4.2 Recommendations

The Recipient shall:

- Produce the Updated Fleet-Wide Analysis, which will provide an updated assessment and recommendations for long-term electrification plans for all operations and provide substantive recommendations to optimize infrastructure and energy services based on duty cycle needs and plans.
- Produce a State-Wide Analysis and Roadmap, which will analyze statewide potential and implications across transit agencies in the state and recommend strategies factoring options across power rates (utility, wholesale, direct access), retail and wholesale energy services (V1G and V2G), battery degradation and replacement, PV, local fixed storage and LCFS including transit & grid value/challenges/implications. Future trend-lines on costs (battery, energy services, PV, etc.) will be factored in where possible.
- Produce State Standards and Regulatory Recommendations, which are a detailed set of recommendations for state agencies for advancing VGI enabled e-bus fleets in public and private transit agencies.
EXHIBIT A
Scope of Work

- Prepare CPR Report #2 that: (1) discusses the progress of the Agreement toward achieving its goals and objectives; and (2) includes recommendations and conclusions regarding continued work on the project.

Products:
- Updated Fleet-Wide Analysis
- State-Wide Analysis and Roadmap
- State Standards and Regulatory Recommendations
- CPR Meeting #2

TASK 5: EVALUATION OF PROJECT BENEFITS
The goal of this task is to report the benefits resulting from this project.

The Recipient shall:
- Complete three Project Benefits Questionnaires that correspond to three main intervals in the Agreement: (1) Kick-off Meeting Benefits Questionnaire; (2) Mid-term Benefits Questionnaire; and (3) Final Meeting Benefits Questionnaire.
- Provide all key assumptions used to estimate projected benefits, including targeted market sector (e.g., population and geographic location), projected market penetration, baseline and projected energy use and cost, operating conditions, and emission reduction calculations. Examples of information that may be requested in the questionnaires include:
  - For Product Development Projects and Project Demonstrations:
    - Published documents, including date, title, and periodical name.
    - Estimated or actual energy and cost savings, and estimated statewide energy savings once market potential has been realized. Identify all assumptions used in the estimates.
    - Greenhouse gas and criteria emissions reductions.
    - Other non-energy benefits such as reliability, public safety, lower operational cost, environmental improvement, indoor environmental quality, and societal benefits.
    - Data on potential job creation, market potential, economic development, and increased state revenue as a result of the project.
    - A discussion of project product downloads from websites, and publications in technical journals.
    - A comparison of project expectations and performance. Discuss whether the goals and objectives of the Agreement have been met and what improvements are needed, if any.
  - Additional Information for Product Development Projects:
    - Outcome of product development efforts, such copyrights and license agreements.
    - Units sold or projected to be sold in California and outside of California.
    - Total annual sales or projected annual sales (in dollars) of products developed under the Agreement.
    - Investment dollars/follow-on private funding as a result of Energy Commission funding.
    - Patent numbers and applications, along with dates and brief descriptions.
  - Additional Information for Product Demonstrations:
EXHIBIT A
Scope of Work

- Outcome of demonstrations and status of technology.
- Number of similar installations.
- Jobs created/retained as a result of the Agreement.

- For Information/Tools and Other Research Studies:
  - Outcome of project.
  - Published documents, including date, title, and periodical name.
  - A discussion of policy development. State if the project has been cited in government policy publications or technical journals, or has been used to inform regulatory bodies.
  - The number of website downloads.
  - An estimate of how the project information has affected energy use and cost, or have resulted in other non-energy benefits.
  - An estimate of energy and non-energy benefits.
  - Data on potential job creation, market potential, economic development, and increased state revenue as a result of project.
  - A discussion of project product downloads from websites, and publications in technical journals.
  - A comparison of project expectations and performance. Discuss whether the goals and objectives of the Agreement have been met and what improvements are needed, if any.

- Respond to CAM questions regarding responses to the questionnaires.
- Within the first 3 months of the project, create a project survey entry responding to the California Public Utilities Commission’s “Electric Vehicle Pilot Survey” related to Proceeding R.13-11-007, “Alternative Fueled Vehicles Rulemaking” (2013). The survey entry should contain the most complete project information available.
  - Resources for completing the Electric Vehicle Pilot Survey can be found at the following links:
    - http://www.energy.ca.gov/research/notices/2015-12-14_workshop/presentations/05a__CPUC__Electric_Vehicle_Pilot_Survey_Read_Me.docx
    - http://www.energy.ca.gov/research/notices/2015-12-14_workshop/presentations/

The Energy Commission may send the Recipient similar questionnaires after the Agreement term ends. Responses to these questionnaires will be voluntary.

Products:
- Electric Vehicle Pilot Survey Response
- Kick-off Meeting Benefits Questionnaire
- Mid-term Benefits Questionnaire
- Final Meeting Benefits Questionnaire

TASK 6: TECHNOLOGY/KNOWLEDGE TRANSFER ACTIVITIES
The goal of this task is to develop a plan to make the knowledge gained, experimental results, and lessons learned available to the public and key decision makers.

The Recipient shall:
EXHIBIT A
Scope of Work

- Prepare an *Initial Fact Sheet* at start of the project that describes the project. Use the format provided by the CAM.
- Prepare a *Final Project Fact Sheet* at the project’s conclusion that discusses results. Use the format provided by the CAM.
- Prepare a *Technology/Knowledge Transfer Plan* that includes:
  - An explanation of how the knowledge gained from the project will be made available to the public, including the targeted market sector and potential outreach to end users, utilities, regulatory agencies, and others.
  - A description of the intended use(s) for and users of the project results.
  - Published documents, including date, title, and periodical name.
  - Copies of documents, fact sheets, journal articles, press releases, and other documents prepared for public dissemination. These documents must include the Legal Notice required in the terms and conditions. Indicate where and when the documents were disseminated.
  - A discussion of policy development. State if project has been or will be cited in government policy publications, or used to inform regulatory bodies.
  - The number of website downloads or public requests for project results.
  - Additional areas as determined by the CAM.
- Conduct technology transfer activities in accordance with the Technology/Knowledge Transfer Plan. These activities will be reported in the Progress Reports.
- When directed by the CAM, develop *Presentation Materials* for an Energy Commission-sponsored conference/workshop(s) on the project.
- When directed by the CAM, participate in annual EPIC symposium(s) sponsored by the California Energy Commission.
- Provide at least (6) six *High Quality Digital Photographs* (minimum resolution of 1300x500 pixels in landscape ratio) of pre and post technology installation at the project sites or related project photographs.
- Prepare a *Technology/Knowledge Transfer Report* on technology transfer activities conducted during the project.

Products:
- Initial Fact Sheet (draft and final)
- Final Project Fact Sheet (draft and final)
- Presentation Materials (draft and final)
- High Quality Digital Photographs
- Technology/Knowledge Transfer Plan (draft and final)
- Technology/Knowledge Transfer Report (draft and final)

V. PROJECT SCHEDULE

Please see the attached Excel spreadsheet.
RESOLUTION NO: 17-0510-15b

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: PROSPECT SILICON VALLEY

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 EPC-16-058 from GFO-16-303 with Prospect Silicon Valley for a $1,899,199 grant to develop advanced energy management and grid service capabilities for electric buses with a major transit agency, to integrate the capabilities into fleet operations, and to demonstrate these capabilities and the resulting improvement in the business case for electric buses; 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 May 10, 2017.

AYE: [List of Commissioners]
NAY: [List of Commissioners]
ABSENT: [List of Commissioners]
ABSTAIN: [List of Commissioners]

Cody Goldthrite,
Secretariat