



STATE OF CALIFORNIA

**GRANT REQUEST FORM (GRF)**

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

**A) New Agreement # ZVI-21-019 (to be completed by CGL office)**

B) Division	Agreement Manager:	MS-	Phone
Fuels and Transportation Division.	Soham Mistry	6	916-908-7489

C) Recipient's Legal Name	Federal ID #
KIGT, INC.	46-5589663

D) Title of Project
Driver-centric Charging Model to Accelerate TNC EV Adoption and Support Disadvantaged

**E) Term and Amount**

Start Date	End Date	Amount
05 / 11 / 2022	05/ 31 / 2024	\$ 1,999,425

**F) Business Meeting Information**

☐ ARFVTP agreements \$75K and under delegated to Executive Director

Proposed Business Meeting Date 05 / 11 / 2022 ☐ Consent ☒ Discussion

Business Meeting Presenter Soham Mistry Time Needed: 5 minutes

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

**Agenda Item Subject and Description:**

KIGT, INC. Proposed resolution approving Agreement ZVI-21-019 with KIGT, INC. for a \$1,999,425 grant to design and build an electric vehicle (EV) charging plaza in Ontario, California, and adopting staff's determination that the project is exempt from CEQA. The plaza will serve transportation network company (TNC) drivers and other EV drivers, reduce deadhead miles (miles driven with no passenger or cargo) for TNC drivers, and demonstrate a replicable business model. In addition, the project includes a match-funded microgrid with 2MW of solar PV and 500kWh of battery storage. Signage for existing EV chargers to be dedicated to TNC drivers will be placed in three locations: Los Angeles, San Diego, and Riverside. (General Fund Funding) Contact: Soham Mistry (Staff Presentation: 5 minutes)

**G) 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.

☐ Statutory Exemption. List PRC and/or CCR section number:

☒ Categorical Exemption. List CCR section number:



STATE OF CALIFORNIA

## GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

Cal. Code Regs., tit. 14, sec. 15301 provides that projects which consist of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, and which involve negligible or no expansion of use beyond that existing at the time of the lead agency's determination, are categorically exempt from the provisions of the California Environmental Quality Act. This project involves installation of electric vehicle charging stations, including at an existing parking facility. The electric vehicle charging station will be installed on an existing paved parking lot, connect to existing electrical panels, and will involve negligible or no expansion of use. Therefore, the project falls within section 15301 and will not have a significant effect on the environment.

Cal. Code Regs., tit. 14, sec. 15303 provides that projects which consist of construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure, are categorically exempt from the provisions of CEQA. This project consists of installation of new small equipment to an existing site. Specifically, the fast charging equipment to be installed is approximately the size of a pay phone and the level two charging equipment is the size of a parking meter. The solar panels and battery storage for the microgrid are total 39,241.1 square feet (less than 1 acre). The equipment will be installed in an existing, paved parking lot. Therefore, the project falls within section 15303 and will not have a significant effect on the environment.

Cal. Code Regs., tit. 14, sect. 15304 provides that projects which consist of minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees except for forestry and agricultural purposes are categorically exempt from the provisions of CEQA. In this project, minor trenching may be necessary to lay two-inch conduit from the existing electrical panel to the charging equipment, totaling approximately 2 cubic feet per foot of distance from the electrical panel, to connect the proposed new electric vehicle charging station equipment to an existing electrical supply panel. The trenching will take place on currently paved ground, will not involve the removal of any trees, and surface will be restored. Therefore, the project falls within section 15304 and will not have a significant effect on the environment.

☐ Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why Agreement is exempt under the above section:

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



STATE OF CALIFORNIA

**GRANT REQUEST FORM (GRF)**

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

- ☐ Environmental Impact Report
- ☐ Statement of Overriding Considerations

**H) List all subcontractors (major and minor) and equipment vendors, including those listed in the grant application: (attach additional sheets as necessary)**

<b>Legal Company Name:</b>	<b>Budget</b>
Beard Electric	\$ 741,563.00
Optimal Solar	\$ 3,800,000 (Match Share)
	\$ 0.00

**I) List all key partners, including those listed in the grant application: (attach additional sheets as necessary)**

<b>Legal Company Name:</b>
Optimal Technology Corporation
Beard Electric
EXPRESS MANUFACTURING, INCORPORATED
Blue Planet Energy
Schneider Electric USA
BTC Power
Uber Technologies, Inc.

**J) Budget Information**

<b>Funding Source</b>	<b>Funding Year of Appropriation</b>	<b>Budget List Number</b>	<b>Amount</b>
General Fund Funding Source	21/22	601.129ZEV	\$1,999,425
Funding Source			\$
Funding Source			\$
Funding Source			\$
Funding Source			\$

R&amp;D Program Area: Select Program Area      TOTAL: \$

Explanation for "Other" selection

Reimbursement Contract #:      Federal Agreement #:

**K) Recipient's Contact Information****1. Recipient's Administrator/Officer**

Name: Paul Francis  
 Address: 3155-A East Sedona Court  
 City, State, Zip: Ontario, California 21761  
 Phone: 909-245-1503 OR 626-926-1969  
 E-Mail: paul@kigt.co

**2. Recipient's Project Manager**

Name: Paul Francis  
 Address: 3155-A East Sedona Court  
 City, State, Zip: Ontario, California 21761  
 Phone: 909-245-1503 OR 626-926-1969  
 E-Mail: paul@kigt.co



STATE OF CALIFORNIA

**GRANT REQUEST FORM (GRF)**

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

**L) Selection Process Used**

- ☒ Competitive Solicitation
- Solicitation #: GFO-21-601
- ☐ First Come First Served Solicitation
- Solicitation #: - -

**M) The following items should be attached to this GRF**

1. Exhibit A, Scope of Work

☒ Attached
2. Exhibit B, Budget Detail

☒ Attached
3. CEC 105, Questionnaire for Identifying Conflicts

☒ Attached
4. Recipient Resolution

☒ N/A

☐ Attached
5. CEQA Documentation

☐ N/A

☒ Attached

\_\_\_\_\_

**Agreement Manager**

\_\_\_\_\_

**Date**

\_\_\_\_\_

**Office Manager**

\_\_\_\_\_

**Date**

\_\_\_\_\_

**Deputy Director**

\_\_\_\_\_

**Date**

## Exhibit A SCOPE OF WORK

### TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2		Develop eStation Engineering and Microgrid Designs
3		Install Signage for TNC Drivers at Existing Charging Sites
4		Manufacture Chargers
5	X	Install and Commission Chargers and Microgrid
6		Driver Education and Outreach
7		Data Collection and Analysis
8		Project Fact Sheet

### KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Paul Francis - KIGT	N/A	
2, 3	Paul Francis - KIGT, Adrian Hightower - KIGT, Brandon Aparicio - KIGT.	Reginald Parker - Optimal Technology Corporation, Brett Beard - Beard Electric	Optimal Technology Corporation, Beard Electric, BTC Power, Blue Planet Energy, Schneider Electric USA
4	Paul Francis - KIGT	Reginald Parker - Optimal Technology Corporation, Brett Beard - Beard Electric	Express Manufacturing, Optimal Technology Corporation, Beard Electric, BTC Power, Blue Planet Energy, Schneider Electric USA
5	Paul Francis - KIGT, Brandon Aparicio - KIGT, Jatomis Stevenson - KIGT,	Reginald Parker - Optimal Technology Corporation, Brett Beard - Beard Electric	Optimal Technology Corporation, Beard Electric, Schneider Electric USA
6	Paul Francis - KIGT		Uber
7	Paul Francis - KIGT		
8	Brandon Aparicio - KIGT, Jatomis Stevenson - KIGT		Uber

## GLOSSARY

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

Term/ Acronym	Definition
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission
CPR	Critical Project Review
CTP	Clean Transportation Program
EV	Electric Vehicle
EVITP	
FTD	Fuels and Transportation Division
Recipient	KIGT, Inc.
TNC	Transportation Network Company

## Background

The Budget Act of 2021 (AB 128, Ting, Chapter 21, Statutes of 2021, as amended by Senate Bill (SB) 129, Skinner, Chapter 69, Statutes of 2021 and SB 170, Skinner, Chapter 240, Statutes of 2021) appropriated \$785,000,000 from the General Fund to support infrastructure deployments and manufacturing projects for zero-emission light-duty and medium- and heavy-duty vehicles.

On August 31, 2021, the California Energy Commission (CEC) released a Grant Funding Opportunity entitled “Charging Access for Reliable On-Demand Transportation Services (CARTS).” This competitive grant solicitation was to fund projects that would support electric vehicle (EV) charging infrastructure for high mileage on-demand transportation services including services such as ride-hailing, taxis, and meal or grocery delivery. In response to GFO-21-601, the Recipient submitted application #13 which was proposed for funding in the CEC’s Notice of Proposed Awards on February 14, 2022. GFO-21-601 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 CEC’s Award, the CEC’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:

California’s Clean Miles Standard mandates transportation network companies (TNCs), such as Uber and Lyft, achieve 90 percent electric vehicle miles traveled by 2030 to reduce greenhouse

gas and criteria air pollutant emissions from ride-hailing services. To reach this target, TNC fleets must comprise 100 percent zero emissions vehicles by 2030, representing an immense challenge for the current TNC business model. First, TNC drivers use their personal vehicles to provide ride-hailing and other TNC services, such as meal or grocery delivery, putting the onus of TNC electrification largely on individuals who often cannot afford the upfront costs of purchasing an EV. Second, EV drivers working for TNCs are disadvantaged due to the opportunity cost of lost passenger revenue associated with the downtime required to fulfill EV charging needs. This includes accruing deadhead miles (miles driven with no passenger or cargo) while finding largely inaccessible charging and time spent charging, resulting in as much as 20 percent lower earnings for EV TNC drivers. In short, a major hurdle to EV uptake among TNC drivers is a lack of fast, convenient charging with access to amenities in locations near areas with high mobility demand.

Current EV charging business models do not meet the needs of EV TNC drivers. First, charging stations are generally located at a host site, such as a shopping center or business park, and EV TNC drivers must compete for limited spaces with the public. Second, charging stations may not be in areas near where TNC drivers operate, meaning drivers must accrue deadhead miles driving to and from EV charging. Third, on-site businesses and services may not be accessible to EV drivers nor provide services that benefit TNC drivers. Fourth, host-owners are responsible for the cost of maintenance, meaning less-utilized charging stations are likely to be unmaintained and drivers arrive at non-working chargers. Finally, chargers installed in areas of high electric demand may have their power reduced during peak periods, meaning drivers get less of a charge than expected and must spend more time charging. Innovative and scalable charging models are needed for TNC EV ownership to achieve parity with conventional vehicles and achieve the ambitious Clean Miles Standard targets.

### **Goals of the Agreement:**

The goal of this Agreement is to accelerate the electrification of TNC services through innovative technology and new business models using Recipient's eStation model that incorporates electric vehicle supply equipment hardware, artificial intelligence driven "smart" EV charging, an onsite solar plus storage microgrid, and workforce training, demonstrating a replicable model for rapid acceleration of EV charging infrastructure that builds grid and community resiliency in underserved areas.

### **Objectives of the Agreement:**

The objectives of this Agreement are to: 1) design and build an EV charging plaza that serves a range of EV drivers, including TNC drivers; 2) reduce deadhead trip mileage for TNC EV drivers served by the eStation; 3) minimize local traffic impacts from increased EV traffic; and 4) demonstrate a replicable, scalable business model for future deployment of EV charging.

## **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 CEC 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.
- Provide a written statement of project activities that have occurred after the notice of proposed awards but prior to the execution of the agreement using match funds. If none, provide a statement that no work has been completed using match funds prior to the execution of the agreement. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.
- Discuss the following administrative and technical aspects of this Agreement:
  - Agreement Terms and Conditions
  - Critical Project Review (Task 1.2)
  - Match fund documentation (Task 1.7) No reimbursable work may be done until this documentation is in place.
  - Permit documentation (Task 1.8)
  - Subawards needed to carry out project (Task 1.9)
  - The CAM's expectations for accomplishing tasks described in the Scope of Work
  - An updated Schedule of Products and Due Dates
  - Monthly Calls (Task 1.4)
  - Quarterly Progress Reports (Task 1.5)
  - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
  - Final Report (Task 1.6)

**Recipient Products:**

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits
- Written Statement of Match Share Activities

**Commission Agreement Manager Product:**

- Kick-Off Meeting Agenda

**Task 1.2 Critical Project Review (CPR) Meetings**

CPRs provide the opportunity for frank discussions between the CEC and the Recipient. The goal of this task is to determine if the project should continue to receive CEC 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.

Meeting participants include the CAM and the Recipient and may include the CAO, the Fuels and Transportation Division (FTD) program lead, other CEC staff and Management as well as other individuals selected by the CAM to provide support to the CEC.

**The CAM shall:**

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the CEC, but they may take place at another location or remotely.
- 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 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 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 CEC 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 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 about the following Agreement closeout items:
  - What to do with any equipment purchased with CEC funds (Options)
  - CEC 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 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 Calls**

The goal of this task is to have calls at least monthly between CAM and Recipient to 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 verbally 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, to verify match funds are being proportionally spent concurrently or in advance of CEC funds or are being spent in accordance with an approved Match Funding Spending Plan, to form the basis for determining whether invoices are consistent with work performed, and to answer any other questions from the CAM. Monthly calls might not be held on those months when a Quarterly Progress Report is submitted, or the CAM determines that a monthly call is unnecessary.

#### **The Cam shall:**

- Schedule monthly calls.

- Provide questions to the Recipient prior to the monthly call.
- Provide call summary notes to Recipient of items discussed during call.

**The Recipient shall:**

- Review the questions provided by CAM prior to the monthly call.
- Provide verbal answers to the CAM during the call.

**Product:**

- Email to CAM concurring with call summary notes

**Task 1.5 Quarterly 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 a Quarterly 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. Progress reports are due to the CAM on the 10<sup>th</sup> day of each January, April, July, and October. The Quarterly Progress Report template can be found on the ECAMS Resources webpage available at <https://www.energy.ca.gov/media/4691>.

**Product:**

- Quarterly Progress Reports

**Task 1.6 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 CEC 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.

In addition to any other applicable requirements, Final Reports must comply with the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12101 et seq.), which prohibits discrimination on

the basis of disability; all applicable regulations and guidelines issued pursuant to the ADA; Cal. Gov. Code sects. 7405 and 11135; and Web Content Accessibility Guidelines 2.0, or a subsequent version, as published by the Web Accessibility Initiative of the World Wide Web Consortium at a minimum Level AA success criteria.

**The Recipient shall:**

- Prepare an Outline of the Final Report, if requested by the CAM.
- Prepare a Final Report complying with ADA requirements and 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 1.7 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 CEC budget for this task will be zero dollars, the Recipient may utilize match funds for this task. 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 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 CEC 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 CEC 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 1.8 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 CEC budget for this task will be zero dollars, the Recipient may 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 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 Commission Agreement Manager.
- 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 1.9 Obtain and Execute Subawards**

The goal of this task is to ensure quality products and to procure subrecipients 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.

**The Recipient shall:**

- Manage and coordinate subrecipient activities.
- If requested by the CAM, submit a draft of each subaward required to conduct the work under this Agreement for the CAM to review.
- If requested by the CAM, submit a final copy of the executed subaward.
- If Recipient intends to add new subrecipients or change subrecipients, then the Recipient shall notify the CAM.

**Products:**

- Letter describing the subawards needed, or stating that no subawards are required
- Draft subcontracts (if requested)
- Final subcontracts (if requested)

## TECHNICAL TASKS

### TASK 2 DEVELOP eSTATION ENGINEERING AND MICROGRID DESIGNS

The goal of this task is to complete the engineering and microgrid (with battery and solar components) designs for the eStation at the Ontario site.

#### The Recipient shall:

- Conduct a walk-through of the proposed eStation site in Ontario, California.
  - Obtain eStation site information and measurements, as required, for engineering drawings and designs.
- Develop preliminary designs and drawings for the eStation
  - Create required engineering diagrams, including line diagrams.
  - Identify nearest utility interconnection and incorporate information into engineering diagrams.
- Develop design for the onsite microgrid system.
- Finalize eStation site designs.
  - Finalize all engineering diagrams and microgrid designs.
  - Submit *Copy of Designs to the City of Ontario and Southern California Edison (SCE)* for their approval and provide a copy to the CAM.
- Create and submit *Summary Report of eStation Design*.

#### Products:

- Copy of Designs to the City of Ontario and SCE
- Summary Report of eStation Design

### TASK 3 INSTALL SIGNAGE FOR TNC DRIVERS AT EXISTING CHARGING SITES

The goal of this task is to install signage for TNC drivers at three existing charging stations – one each in Los Angeles, San Diego, and Riverside.

#### The Recipient shall:

- Install signs at existing sites to designate existing charging stations for TNC drivers.
  - Design placement of signs at three identified existing charging sites in Los Angeles, San Diego, and Riverside.
  - Signage will clearly designate approximately 10 percent of onsite chargers at 3 sites for the specific use of ride-hailing services.
  - Procure and install appropriate signage.
- Submit *Photos of Installed Signage at Three Charging Sites*.

#### Products:

- Photos of Installed Signage at Three Charging Sites

### TASK 4 MANUFACTURE CHARGERS

The goal of this task is to manufacture the Recipient Level 2+ chargers.

#### The Recipient shall:

- Manufacture the Recipient Level 2+ EV charging stations, including:
  - Fabricating metal casings and components.
  - Assembling cabling and wiring systems.
  - Assembling the full box kit.
  - Conducting and documenting *Quality Control Documents*.

**Products:**

- Quality Control Documents

**TASK 5 INSTALL AND COMMISSION CHARGERS AND MICROGRID**

The goal of this task is to install the EV charging and microgrid components at the eStation site, complete testing, and commission the chargers and microgrid system.

**The Recipient shall:**

- Install photovoltaic (PV) system and battery storage for microgrid.
  - Procure microgrid components.
  - Install PV microgrid system.
  - Integrate electrical system with chargers.
- Install EV charging stations.
  - Install 170 Level 2 chargers, five 50 kilowatt (kW) direct current (DC) fast chargers, and five 100 kW DC fast chargers.
- Submit an *AB 841 Certification* that certifies the project has complied with all AB 841 (Ting, Chapter 372, Statutes of 2020) requirements specified in Exhibit C or describes why the AB 841 requirements do not apply to the project. The certification shall be signed by Recipient's authorized representative.
- Submit *Electric Vehicle Infrastructure Training Program (EVITP) Certification Numbers of each EVITP-Certified Electrician* that installed electric vehicle charging infrastructure or equipment. EVITP Certification Numbers are not required to be submitted if AB 841 requirements do not apply to the project.
- Complete microgrid/EV systems testing.
- Prepare and submit *Test Reports*.
- Obtain *Interconnection Approval* from SCE.
- Commission full system and energize the site.
- Prepare and submit *Summary Report on Completed Estation Site with Photos*.

**Products:**

- AB 841 Certification
- EVITP Certification Numbers of each EVITP Certified Electrician
- Test Reports
- Copy of Interconnection Approval
- Summary Report on eStation Site with Photos

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

**TASK 6 DRIVER EDUCATION AND OUTREACH**

The goal of this task is to conduct outreach to current and potential EV TNC drivers, including providing educational workshops to support the transition to EVs.

**The Recipient shall:**

- Produce print and multimedia *Outreach Materials* for distribution to TNC drivers (including in-app content).
- Develop interactive educational content about EVs and EV charging for websites (Recipient and TNCs).
- Compile and host on the Recipient website a list of resources and informational videos for prospective EV owners.



- Conduct direct outreach in disadvantaged communities through partnerships with community-based organizations.
- Track driver outreach through web analytics and in-app surveys and include data and analysis in a *Driver Outreach Report*.

**Products:**

- Outreach Materials
- Driver Outreach Report

**TASK 7 DATA COLLECTION AND ANALYSIS**

The goal of this task is to collect operational data from the project, to analyze that data for economic and environmental impacts, and to include the data and analysis in the Final Report and a monthly progress report for the final 12 months of the data collection period.

**The Recipient shall:**

- Collect and provide a minimum of 12 months of data on deployed charging equipment, submitted electronically each month in a *Monthly Data Collection Progress Report*. Data on charging events for deployed infrastructure shall include, but is not limited to:
  - Number of charging or refueling sessions
  - Average charger or refueling station downtime
  - Peak power delivered (kW)
  - Duration of active charging, hourly
  - Duration of charging session, hourly (e.g., vehicle parked but not actively charging)
  - Average session duration
  - Energy delivered (kWh)
  - Average kWh or kg dispensed
  - Types of vehicles using the charging equipment
  - Applicable price to the driver or user for charging
  - Payment method for public charging
  - Energy delivered back to grid or facility if a bidirectional charging use case (kWh)
  - Normal operating hours, up time, downtime, and explanations of variations
- Collect and provide the following data to be included in the Final Report:
  - Number, type, date and location of chargers or hydrogen refueling stations installed.
  - Nameplate capacity of the installed equipment, in kW for chargers and kg/day for hydrogen.
  - Number and type of outlets per charger.
  - Location type, such as street, parking lot, hotel, restaurant or multi-unit housing.

- Total cost per charger or refueling station, the subsidy from the CEC per charger or refueling station, federal subsidy per charger or refueling station, utility subsidy per charger or refueling station, and privately funded share per charger or refueling station.
- Gallons of gasoline and/or diesel fuel displaced (with associated mileage information)
- Expected air emissions reduction, for example:
  - Non-methane hydrocarbons
  - Oxides of nitrogen
  - Particulate Matter
  - Formaldehyde
- Identify any current and planned use of renewable energy at the facility.
- Describe any energy efficiency measures used in the facility that may exceed Title 24 standards in Part 6 of the California Code Regulations.
- Provide data on potential job creation, economic development, and increased state revenue as a result of expected future expansion.
- Provide a quantified estimate of the project's carbon intensity values for life-cycle greenhouse gas emissions.
- Compare any project performance and expectations provided in the proposal to CEC with actual project performance and accomplishments.

**Products:**

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

**TASK 8 PROJECT FACT SHEET**

The goal of this task is to develop an initial and final project fact sheet that describes the CEC-funded project and the benefits resulting from the project for the public and key decision makers.

**The Recipient shall:**

- Prepare an Initial Project Fact Sheet at the start of the project that describes the project and the expected benefits. Use the format provided by the CAM.
- Prepare a Final Project Fact Sheet at the project's conclusion that describes the project, the actual benefits resulting from the project, and lessons learned from implementing the project. Use the format provided by the CAM.
- 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.

**Products:**

- Initial Project Fact Sheet
- Final Project Fact Sheet
- High Quality Digital Photographs

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: KIGT, INC.

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

**RESOLVED**, that the CEC approves Agreement ZVI-21-019 with KIGT, Inc. for a \$1,999,425 grant to design and build an EV charging plaza in Ontario, California. The plaza will serve transportation network company (TNC) drivers and other EV drivers, reduce deadhead miles (miles driven with no passenger or cargo) for TNC drivers, and demonstrate a replicable business model. In addition, the project includes a match-funded microgrid with 2 MW of solar PV and 500 kWh of battery storage. Signage for existing EV chargers to be dedicated to TNC drivers will be placed in three locations: Los Angeles, San Diego, and Riverside; and

**FURTHER BE IT RESOLVED**, that the Executive Director or their designee shall execute the same on behalf of the CEC.

**CERTIFICATION**

The undersigned Secretariat to the CEC 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 CEC held on May 11, 2022.

AYE:

NAY:

ABSENT:

ABSTAIN:

---

Liza Lopez  
Secretariat