STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019) CALIFORNIA ENERGY COMMISSION

A) New Agreement # ARV-21-004 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation	Brian Fauble	6	916-903-4283

C) Recipient's Legal Name	Federal ID #
FLO SERVICES USA, INC., which will do business in California as FLO Charging Solutions USA, Inc.	61-1899254

D) Title of Project
Unlocking Existing Utility Assets for Curbside Charging

E) Term and Amount

Start Date	End Date	Amount
9 / 1 / 2021	12 / 31 / 2023	$ 750,000

F) Business Meeting Information

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

Proposed Business Meeting Date 7 / 15 / 2021 ☐ Consent ☒ Discussion

Business Meeting Presenter Matt Alexander Time Needed: 5 minutes

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

Agenda Item Subject and Description:

Proposed resolution approving Agreement ARV-21-004 with FLO SERVICES USA, INC., which will do business in California as FLO Charging Solutions USA, Inc., for a $750,000 grant to install EV chargers at seven curbside locations using existing electrical infrastructure to lower the cost and streamline the deployment process, and adopting staff's determination that this action is exempt from CEQA (Clean Transportation Program Funding) Contact: Matt Alexander

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: 15301 "Existing Facilities", 15303 "New Construction or Conversion of Small Structures", 15304 "Minor Alterations to Land"

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

Explain reason why Agreement is exempt under the above section: Please see the attached CEQA exemption statement.

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

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

Legal Company Name:	**Budget**
Southern California Edison Company	$ 431,056
Arup North America Limited	$ 217,544
Los Angeles Cleantech Incubator	$ 101,400
Communities for a Better Environment	$ 21,351
TBD (Installation Work)	$ 156,668

I) List all key partners: (attach additional sheets as necessary)

Legal Company Name:

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
ARFVTP	18/19	601.118K	$750,000
Funding Source			$
Funding Source			$
Funding Source			$
Funding Source			$

R&D Program Area: N/A TOTAL: $750,000

Explanation for “Other” selection

Reimbursement Contract #: Federal Agreement #:

K) Recipient’s Contact Information

1. Recipient’s Administrator/Officer

Name: Frank Fata

Address: 2800 rue Louis Lumiere, #100

City, State, Zip: Quebec, Canada G1P 0A4

Phone: 514-210-5417

E-Mail: ffata@flo.com

STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

2. Recipient's Project Manager

Name: Frank Fata

Address: 2800 rue Louis Lumiere, #100

City, State, Zip: Quebec, Canada G1P 0A4

Phone: 514-210-5417

E-Mail: ffata@flo.com

L) Selection Process Used

☒ Competitive Solicitation Solicitation #: GFO-20-605

☐ 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**

ARV-21-004 FLO SERVICES USA, INC., WHICH WILL DO BUSINESS IN CALFORNIA AS FLO CHARGING SOLUTIONS USA, INC.: Unlocking Existing Utility Assets for Curbside Charging

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 one electric vehicle direct current fast charger and twelve Level 2 electric vehicle chargers seven existing facilities. Specifically, the fast charging equipment to be installed is approximately the size of a payphone and the Level 2 charging equipment is approximately the size of a parking meter. At all seven existing sites, the electric vehicle charging stations will be installed on existing pavement and connect to existing electrical infrastructure. 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 the 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. All the equipment will be installed in existing, paved sidewalks. 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 conduit from the existing electrical infrastructure to the charging equipment, totaling approximately 2 cubic feet per foot of distance from the electrical infrastructure, to the proposed new electric vehicle charging station equipment. 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.

Exhibit A
SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR Meeting	Task Name
1		Administration
2	X	Siting
3		Engineer, Construct, and Test
4		Address Standards, Metering, and Easements
5		Scalability and Replicability
6		Outreach, Education, and Knowledge Sharing
7		Project Fact Sheet
8		Data Collection & Analysis

GLOSSARY

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

Term/ Acronym	Definition
ARFVTP	Alternative and Renewable Fuel and Vehicle Technology Program
CAM	Commission Agreement Manager
CCA	Community Choice Aggregators
CPR	Critical Project Review
DAC	Disadvantaged Community
DMS	Division of Measurement Standards
EV	Electric Vehicle
FTD	Fuels and Transportation Division
GIS	Geographic Information System
IOU	Investor-Owned Utility
kW	Kilowatt
kWh	Kilowatt-hour
MUD	Multi-Unit Dwellings

Recipient	FLO SERVICES USA, INC., WHICH WILL DO BUSINESS IN CALFORNIA AS FLO CHARGING SOLUTIONS USA, INC.
SCE	Southern California Edison

Background

Assembly Bill (AB) 118 (Núñez, Chapter 750, Statutes of 2007), created the Clean Transportation Program, formerly known as the Alternative and Renewable Fuel and Vehicle Technology Program. The statute authorizes the California Energy Commission (CEC) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change, clean air, and alternative energy policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the Clean Transportation Program through January 1, 2024. The Clean Transportation Program has an annual budget of approximately $100 million and provides financial support for projects that:

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

On August 7, 2020, the CEC released a Grant Solicitation and Application Package entitled "BESTFIT Innovative Charging Solutions" under the Clean Transportation Program. This competitive grant solicitation offered to fund projects that demonstrate transformative technology solutions and work to accelerate the successful commercial deployment of electric vehicle (EV) charging for both light-duty (LD) and medium- and heavy-duty (MD/HD) applications. In response to GFO-20-605, the Recipient submitted application 13 which was proposed for funding in the CEC's Notice of Proposed Awards on April 16, 2021. GFO-20-605 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 Commission's Award, the Commission's Award shall control. Similarly, in the event of

any conflict or inconsistency between the terms of this Agreement and the Recipient's Application, the terms of this Agreement shall control.

Problem Statement:

The key barrier in the adoption of electric vehicles (EVs) is comprehensive access to EV charging infrastructure for all Californians despite income, residential situation, or zip code. Residents in multi-unit dwellings face ownership barriers and complex approvals that cannot be mitigated by providing cheaper EV charging. Additionally, nearly 40 percent of residents in the greater Los Angeles metro area live without dedicated off-street parking. Without ownership rights to build, and without the parking area to build on, a simple reduction in the costs of EV charging stations will not address the gaps in adoption. Our team proposes shifting the focus to public curbside EV charging. Our team has come up with an innovative idea that unlocks the potential for utilizing existing utility assets to reduce costs.

There is also a lack of policies and standards in utilities and local agencies that allow for curbside charging. Our team plans to bring together stakeholders' perspectives in the EV charging infrastructure supply chain. We plan to use our project to provide information and outreach to help standardize the technical and commercial parts needed for public curbside EV charging. We will also leverage our relations with utilities, Community Choice Aggregators (CCAs), cities and other industry members to disseminate information on how to provide curbside charging and to kickstart scale-up for more widespread deployment in California.

Goals of the Agreement:

The goal of this agreement is to provide publicly accessible curbside EV charging at seven sites. The agreement will test various technical and commercial methods of utilizing existing utility assets to optimize a model for delivery and gather evidence to support possible future statewide scaling.

Objectives of the Agreement:

The objectives are to:

- Install at least twelve Level 2 J-1772 chargers, at least one DC fast charger, and associated equipment. Equipment shall be installed in at least seven installation sites. Installation site types will include, but not be limited to:
    - At least one curbside site utilizing underground vaults,
    - At least one curbside site installing chargers directly on streetlights,
    - At least one curbside site installing chargers directly on street poles, and
    - At least one curbside site utilizing transformers.
- Work with Southern California Edison (SCE) to establish new utility standards pertaining to the installation, operation and regulation of curbside EV charging infrastructure that utilizes existing utility infrastructure.
- Develop deployment guidelines to allow for rapid and cost-effective scaling of the technical and commercial model statewide.
- Conduct outreach to spread awareness and education.

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

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

The Recipient shall:

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

Recipient Products:

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

CAM Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the Energy Commission and the Recipient. The goal of this task is to determine if the project should continue to receive Energy Commission funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule, or budget.

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

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

The CAM shall:

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

The Recipient shall:

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

CAM Products:

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

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with Energy Commission staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement.

  This meeting will be attended by, at a minimum, the Recipient, the CAO, and the CAM. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the CAM.

  The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The CAM will determine the appropriate meeting participants.

  The administrative portion of the meeting shall be a discussion with the CAM and the CAO about the following Agreement closeout items:

  - What to do with any equipment purchased with Energy Commission funds (Options)
  - Energy Commission's request for specific "generated" data (not already provided in Agreement products)
  - Need to document Recipient's disclosure of "subject inventions" developed under the Agreement
  - "Surviving" Agreement provisions
  - Final invoicing and release of retention
- Prepare and submit to the CAM a schedule for completing the closeout activities for this Agreement.

Products:

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

Task 1.4 Monthly Progress Reports

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

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

The Recipient shall:

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

Product:

- Monthly Progress Reports

Task 1.5 Final Report

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

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

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

The Recipient shall:

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

- Submit one bound copy of the Final Report with the final invoice.

Products:

- Outline of the Final Report, if requested
- Draft Final Report (no less than 60 days before the end of the agreement)
- Final Report

Task 1.6 Identify and Obtain Matching Funds

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

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

The Recipient shall:

- Prepare and submit to the CAM a letter documenting the match funding committed to this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the Energy Commission awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the Energy Commission awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
    - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
    - Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If

applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.

- Provide the appropriate information to the CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

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

Task 1.7 Identify and Obtain Required Permits

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

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

The Recipient shall:

- Prepare and submit to the CAM 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 Agreement, provide in the letter:
  - A list of the permits that identifies the:
    - Type of permit
    - Name, address and telephone number of the permitting jurisdictions or lead agencies
  - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule, and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item

in the Progress Reports and will be a topic at CPR meetings.

- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

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

Task 1.8 Obtain and Execute Subcontracts

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

The Recipient shall:

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

Products:

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

TECHNICAL TASKS

TASK 2 SITING

The goal of this task is to confirm the sites that will be used for EV charging infrastructure deployment with this project, and optimize deployment, by engaging the local jurisdictions and communities.

The Recipient shall:

- Finalize selection of at least seven sites based on site specific considerations such as zoning, potential users based on existing and projected EV demand, utility infrastructure, parking areas, and traffic patterns.
- Conduct an on-site assessment for each site to verify conditions and feasibility of deploying charging stations.
- Prepare and submit to the CAM a Site *Selection Summary*. The Site Selection Summary should include, but not be limited to a matrix that documents locations, charger quantities and types, technical and commercial model research/benefits, and community benefits of each site.
- Prepare and submit to the CAM a *Stakeholder Engagement Summary* that details the communication activities with stakeholder, including materials shared.

[A CPR meeting is tentatively scheduled to be held during Task 2 and additional CPR meetings may be scheduled by the CAM, as needed]

Products:

- Site Selection Summary
- Stakeholder Engagement Summary

TASK 3 ENGINEER, CONSTRUCT, AND TEST

The goal of this task is to complete the engineering and construction for each of seven site specific charging station system configurations, identify and mitigate technical barriers and minimize costs through the utilization of utility infrastructure assets.

The Recipient shall:

- Evaluate innovative system controls in terms of their cost, benefits and compatibility with design and integrate selected controls into the design. Integrate demand response capability into all charging stations.
- Evaluate customer interface features (e.g. multiple languages to suit site demographics) in terms of their cost, benefits and compatibility with design and integrate selected features into the design.
- Prepare and submit to the CAM, a *Final Design Drawing* for each of the seven sites with the types of charger technology configurations (e.g., curbside, streetlamps, etc.). Each Final Design Drawing should include, but not be limited to, site layout, civil and electrical designs.
- Purchase, install, test, and commission at least twelve Level 2 J-1772 chargers, at least one DC fast charger, and associated equipment.

Equipment shall be installed on at least seven installation sites. Installation site types will include, but not be limited to:
  - At least one curbside site utilizing underground vaults,
  - At least one curbside site installing chargers directly on streetlights,
  - At least one curbside site installing chargers directly on street poles, and
  - At least one curbside site utilizing transformers.
- 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. Although AB 841 becomes effective January 1, 2022, as a policy matter the CEC is applying the EVITP certification requirements to project work funded under this Agreement, regardless of whether it might be performed prior to January 1, 2022, unless an exception applies.
- 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.
- Take and submit to the CAM *photographs of the installed EV chargers and supporting equipment for each of the seven sites*.

Products:

- Final Design Drawings
- AB 841 Certification
- EVITP Certification Numbers of each EVITP certified electrician
- Photographs of the installed EV chargers and supporting equipment for each of the seven sites.

TASK 4 ADDRESS STANDARDS, METERING, AND EASEMENTS

The goal of this task is to complete all other enabling works for EV charger operation, including establishing metering strategies, pricing schemes, ownership and operation models, and standardization for a model that may be used to expansion statewide.

The Recipient shall:

- Define the metering strategy for the pilot and beyond. The outcome of the metering strategy will be shared with relevant parties to address current questions explored by California Department of Food and Agriculture's Division of Measurement Standards (DMS) about the recent California Type Evaluation Program.
- Evaluate the business case for various ownership and operation models (possible roles of utility, local government, hardware provider).
- Evaluate innovative pricing schemes to incentivize charging times that

lower grid impact, increase utilization by targeted groups (e.g. disadvantaged communities (DACs), multi-unit dwellings (MUD)) and achieve other priorities. The outcome can inform tariff structures discussion statewide especially with field-evidence support (from Task 8 Data Collection & Analysis).

- Design new utility standards pertaining to the installation, operation, and regulation of curbside EV charging infrastructure that utilizes existing utility infrastructure.
- Prepare and submit to the CAM a *Metering Strategy Plan* that will include, but not be limited to, written documentation of how chargers will be metered and how they will comply with any applicable regulations (e.g., California Type Evaluation Program).
- Prepare and submit to the CAM a *Pricing Strategy Plan*, that will include, but not be limited to, written documentation of how operational (and capital if deemed appropriate) costs will be billed and to whom, and what tariff structure will be used.
- Prepare and submit to the CAM a *Standards for Curbside EV Charging Infrastructure Using Existing Utility Infrastructure Report*, that will include, but not be limited to, utility standards for engineering, design, and construction of curbside EV charging infrastructure using existing utility infrastructure.

Products:

- Metering Strategy Plan
- Pricing Strategy Plan
- Standards for Curbside EV Charging Infrastructure Using Existing Utility Infrastructure Report

TASK 5 SCALABILITY AND REPLICABILITY

The goal of this task is to establish guidelines to scale the proposed technology model across SCE's service territory and to replicate the approach with other utilities and cities statewide.

The Recipient shall:

- Use the Geographic Information System (GIS) framework developed from Charge4All, that identified the project's seven sites, to scale efforts and pilot the use of the digital tool for site selection. Extrapolate findings from the exercise to gauge availability of sites statewide.
- Prepare and submit to the CAM *Deployment Guidelines* that documents the viability, lessons learned, and best practices of the model so it can be replicated statewide. The *Deployment Guidelines* will include, but not be limited to, assessment and documentation of the following:
    - Methodology – Document guidelines with learnings and best practices for all steps of deployment (siting, standards, metering,

easements, construction, operation, engagement, and data collection) to allow for streamlined scaling.
    - Optimal Technical Configurations – Compare costs (procurement, installation, operation, and other soft costs) or the tested utility attachment configurations to recommend configurations for scaling. Outline any technical barriers to be aware of in the various configurations.
    - Site Selection – Explore how site selection can be streamlined using the digital GIS tool, Charge4All. Showcase findings from analysis of suitable sites at Santa Monica and Huntington Park. Identify any recommendations for tool modifications so it can be applied statewide.
    - Tariff Structures – Document exploration of innovative pricing schemes to achieve priorities such as higher utilization, optimal charging times for lessening grid impacts, and utilization by targeted groups (DACs, MUD etc.)
    - Ownership and Operation Models – Utilize data collected for preliminary cost/revenue calculations to determine the business case of the ownership and operation model used in the pilot, and for other potential ownership and operation models.
    - Policy Recommendations – Explore tariff structures, ownership and operation models, and co-benefits, consider municipal and state policy recommendations to aid statewide deployment of curbside EV charging infrastructure that utilizes existing utility assets.
    - Co-Benefits – Analyze and summarize co-benefits, including increased EV adoption, job creation, greenhouse gas reductions, criteria air pollutants and penetration of the proposed technology into targeted groups (DACs, MUDs etc.)
    - Replicability – Analyze approach to scale within the service territory of SCE, of other Investor-Owned Utilities (IOUs) and CCAs in California, and potentially of other IOUs and CCAs nationally.

Products:

- Deployment Guidelines

TASK 6 OUTREACH, EDUCATION, AND KNOWLEDGE SHARING

The goal of this task is to provide ongoing engagement with the charging site communities, as well as to disseminate findings and initiate discussions with key industry stakeholders for the scaling of the proposed technology model.

The Recipient shall:

- Continue ongoing coordination with Cities to collaborate on innovative ideas in the metering strategies, pricing schemes and standards.
- Provide information to and meet with community-based organizations and local agencies, as appropriate, on the proposed station model and

attributes.

- Conduct consistent coordination with Cities and community engagement throughout the term of agreement. Support outreach through early initiation of Task 8 Data Analysis and Collection by identifying data requirements and analysis procedures early on to convey that holistic success parameters will be assessed.
- Engage communities at the charging sites on an ongoing basis during operation to increase utilization and ensure access for targeted populations (DACs, MUDs etc.).
- Engage with other IOUs and/or CCAs to communicate findings and discuss opportunities for scaling.
- Engage with other Cities within SCE's service territory to educate them on the proposed technology model and initiate discussion for expansion.
- Engage with industry associations such as the California Air Resources Board, Electric Vehicle Charging Association, DMS, California Electric Vehicle Infrastructure Project, and the Energy Commission, that can be utilized for scaling.
- Engage with regional partnerships, such as Los Angeles Cleantech Incubator's Transportation Electrification Partnership, to disseminate findings and seek out additional industry partnerships.
- Engage with Cities and other organizations involved in the Los Angeles 2028 Olympics to collaborate on opportunities in alignment with the Cities' Olympics preparation goals.
- Prepare and submit to the CAM an *Outreach Summary* that should include, but not be limited to, information on each stakeholder group contacted, information discussed, outcomes from the meetings, benefits from the meetings, and any outreach materials.

Products:

- Outreach Summary

TASK 7 PROJECT FACT SHEET

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

The Recipient shall:

- Prepare and submit to the CAM an *Initial Project Fact Sheet* at start of the project that describes the project and the expected benefits. Use the format provided by the CAM.
- Prepare and submit to the CAM 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.
- Prepare and submit to the CAM at least seven, one for each site, *High*

Quality Digital Photographs (minimum resolution of 1300x500 pixels in landscape ratio).

Products:

- Initial Project Fact Sheet
- Final Project Fact Sheet
- High Quality Digital Photograph for each site

Task 8 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 regular progress reports and the Final Report.

The Recipient shall:

- Develop data collection test plan for deployed charging equipment.
- Troubleshoot any issues identified.
- Conduct billing procedures, network operations, evaluate Time of Use effectiveness for vehicle-grid integration, and trial additional operational and safety procedures (including demand response events)
- Maintain system functionality through remote monitoring, conduct on-site system checks on an as needed basis if issues arise
- Collect a minimum of 12 months of data on charging events for the deployed infrastructure including, but not limited to:
    - Charge and session duration
    - Energy delivered (kWh)
    - Peak power delivered (kW)
    - Applicable price for charging, including but not limited to electric utility tariff, EVSP service contract, or public charger price
    - Payment method
    - Types of vehicles using the charging equipment
    - Number of unique vehicles and frequency of “repeat vehicles”
    - Energy delivered back to grid or facility if a bidirectional charging use case (kWh)
- Submit the data described above electronically in a monthly progress report throughout the duration of the data collection period.
- Develop a plan to provide other relevant data and information throughout the duration of the funding agreement including, but not limited to:
    - Lessons learned
    - Best practices (e.g., permitting and installation processes)
    - Job creation
    - Economic development
    - Increased state revenue
- Submit the data described above electronically in a quarterly progress report throughout the duration of the agreement.
- Identify any planned use of renewable energy in the project.

- Compare any project performance and expectations provided in the proposal to Energy Commission with actual project performance and accomplishments.
- Collect data, information, and analysis described above and include in the Final Report.

Products:

- Data collection on charging events will be submitted electronically in a monthly progress report
- Data collection on other relevant data and information described above will be submitted electronically in a quarterly progress report
- Data collection information and analysis will be included in the Final Report

RESOLUTION NO: 21-0715-6c

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: FLO SERVICES USA, INC., WHICH WILL DO BUSINESS IN CALIFORNIA AS FLO CHARGING SOLUTIONS USA 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 ARV-21-004 with FLO SERVICES USA, INC., which will do business in California as FLO Charging Solutions USA Inc. for a $750,000 grant to install EV chargers at seven curbside locations using existing electrical infrastructure to lower the cost and streamline the deployment process; and

FURTHER BE IT RESOLVED, that the Executive Director or his/her 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 July 15, 2021.

AYE:
NAY:
ABSENT:
ABSTAIN:

_____
Liza Lopez
Secretariat