



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

A) New Agreement # ARV-21-034 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Natarajan "Raja" Ramesh	27	240-586-0724

C) Recipient's Legal Name	Federal ID #
CALSTART, Inc.	95-4375022

D) Title of Project
Blueprint to Plug-In Porterville project ("Plug-In Porterville")

E) Term and Amount

Start Date	End Date	Amount
9 / 8 / 2021	5 / 31 / 2024	\$ 200,000

F) Business Meeting Information

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

Proposed Business Meeting Date 9 / 8 / 2021 ☐ Consent ☒ Discussion

Business Meeting Presenter Kathryn Reid Time Needed: 5 minutes minutes

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

Agenda Item Subject and Description:

CALSTART, Inc. Proposed resolution approving Agreement ARV-21-034 with CALSTART, Inc. for a \$200,000 grant to develop a blueprint that will provide a comprehensive strategy for installing charging infrastructure that will help accelerate the deployment of MD/HD EVs in and around Porterville, California, by both public and private fleets, and adopting staff's determination that this action is exempt from CEQA. (Clean Transportation Program funding.) Contact: Raja Ramesh. (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: Cal. Code Regs., tit. 14, § 15306

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

Explain reason why Agreement is exempt under the above section:

Cal. Code Regs, tit. 14, §15306, Information Collection, provides that projects which consist of basic data collection, research and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource are categorically exempt from the provisions of CEQA. This project



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

consists of developing a planning document for possible, future deployment of zero emission vehicles and related infrastructure equipment. The project will not cause direct physical changes to the environment, and there will be no physical construction. This project involves data collection, technology assessment, public outreach, administrative coordination efforts, planning, and similar activities. Therefore, the proposed project will have no significant effect on the environment and is categorically exempt under section 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

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

Legal Company Name:	Budget
City of Porterville	\$ 31,150 (all match share)
	\$ 0.00
	\$ 0.00

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

Legal Company Name:
City of Porterville
Southern California Edison
Circle of Life Development Foundation
MLK Initiative

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
ARFVTP	FY 19/20	601.118L	\$200,000
Funding Source			\$
Funding Source			\$
Funding Source			\$
Funding Source			\$

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

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #:



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

K) Recipient's Contact Information

1. Recipient's Administrator/Officer

Name: Danielle Jones

Address: 48 S Chester St.

City, State, Zip: Pasadena, CA,
91106

Phone: (626) 744-5600

E-Mail: djones@calstart.org

2. Recipient's Project Manager

Name: Jared Schnader

Address: 48 S Chester St.

City, State, Zip: Pasadena, CA,
91106

Phone: (626) 744-5632

E-Mail: jschnader@calstart.org

L) Selection Process Used

- ☒ Competitive Solicitation Solicitation #: GFO-20-601
☐ First Come First Served Solicitation Solicitation #: - -

M) The following items should be attached to this GRF

- | | | |
|---|---|-----------------------------------|
| 1. Exhibit A, Scope of Work | <input checked="" type="checkbox"/> | Attached |
| 2. Exhibit B, Budget Detail | <input checked="" type="checkbox"/> | Attached |
| 3. CEC 105, Questionnaire for Identifying Conflicts | <input checked="" type="checkbox"/> | Attached |
| 4. Recipient Resolution | <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> Attached |
| 5. CEQA Documentation | <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> Attached |

Natarajan Ramesh

Agreement Manager

6/24/2021

Date

Charles Smith

Office Manager

7/28/2021

Date

John Butler II

Deputy Director

7/30/2021

Date

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		ADMINISTRATION
2		PLANNING DEVELOPMENT AND COLLABORATION
2.1		Goals and Milestones
2.2		Outreach Strategy and Economic Benefits
2.3	X	Research and Documentation
2.4		Technology, Energy and Location Analysis
2.5		Replicability
2.6		GHG and DAC Benefits
3		PROJECT FACT SHEET
4		BLUEPRINT

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	(CALSTART, Inc. (CALSTART) TEAM) Valerie Thorsen, Jordan Steen, Jared Schnader		Richard Tree and Russel Isom – City of Porterville
2	(CALSTARTTEAM) Brian Lee, Jared Schnader, Valerie Thorsen	Richard Tree and Russel Isom – City of Porterville	Southern California Edison, Company, MLK Initiative (Veronica Smith) Circle of Life Development Foundation
3	CALSTART		
4	CALSTART		

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

Term/ Acronym	Definition
CEC	California Energy Commission
Clean Transportation Program	Formerly known as Alternative and Renewable Fuel and Vehicle Technology Program
CPR	Critical Project Review
DAC	Disadvantaged Community
FTD	Fuels and Transportation Division
LIC	Low-income Community
Recipient	CALSTART
Contractor	CALSTART

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 policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the Program through January 1, 2024, and specifies that the CEC allocate up to \$20 million per year (or up to 20 percent of each fiscal year's funds) in funding for hydrogen station development until at least 100 stations are operational. The 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.

The CEC issued GFO-20-601 entitled "Blueprints for Medium- and Heavy-Duty Zero-Emission Vehicle Infrastructure" under the CEC's Clean Transportation Program. To be eligible for funding under GFO-20-601, projects must also be consistent with the CEC's current Clean Transportation Program Investment Plan, updated annually. In response to GFO-20-601, the Recipient submitted Proposal #2, which was proposed for funding in the CEC's Notice of Proposed Awards on April 8, 2021. GFO-20-601 is 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. Similarly, in the event of any conflict

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

Problem Statement:

Porterville is located between Bakersfield and Fresno within the San Joaquin Valley, where an atmospheric inversion layer creates some of the highest polluted communities in the nation. Porterville and its surrounding areas rank in the top one percent for worst pollution, and serve an area calculated at the 95th percentile for worst pollution burden and highest poverty in California, taking into consideration ozone, PM 2.5, poverty, unemployment and health concerns.

The City of Porterville has a population of approximately 60,000. However, the City serves a population of more than 111,000 residents in the disadvantaged communities of Porterville, East-Porterville, Strathmore, Tulare County and Tule River Indian Reservation. All but approximately 15 miles of the transit routes travel within disadvantaged communities (DACs) in the 75th percentile of pollution-burdened communities throughout the state. Porterville is home to a large agricultural labor force who spend each day working outside exposed to the poor air quality, while children have some of the highest asthma rates in the nation. While the region's air quality is affected by many sources and factors, trucks, other freight, buses, and other transportation sources are by far the largest cause of pollutants that harm public health in the community and increase the impacts of climate change.

Transportation pollution in California is dependent on how our communities are designed and how local land use decisions and transportation investments affect a community's exposure to pollution. Due to these environmental and health disparities, the City of Porterville seeks to build healthier, more equitable communities through a detailed planning effort that will implement air quality improvement projects over the years to come.

The City of Porterville plans to transition its fleet to zero-emission (ZE) technology in advance of the 2045 mandate per the California Air Resources Board's Advanced Clean Truck Rule. The City's dedication to improving the region's air quality and protecting public health has resulted in a history of Porterville's early compliance with air quality regulations; however, the team expects some barriers and hurdles that will need to be addressed. Specific barriers will include reliability of ZE charging sources during power outages or any local natural disasters, financial costs to replace combustion engines with ZE drive trains, developing a system supply that utilizes Porterville's unique large solar farm infrastructure and addressing the lack of understanding of how to tie in a community wide system, and long term financial sustainability given the state of the nation due to the global pandemic.

Goals of the Agreement:

The goal of this Agreement is to create a blueprint document reflecting a detailed planning effort to protect public health by improving air quality within the Porterville region through the early adoption and deployment of ZE vehicles and associated ancillary infrastructure (to be available to both public and private entities for charging or refueling), while securing energy resiliency during local disasters. Through early adoption and deployment, Porterville seeks to play a part in market adoption of ZE medium- and heavy-duty (MD/HD) vehicles for large fleets within the valley.

Objectives of the Agreement:

The objectives of this Agreement are to develop a blueprint document to plan for:

- Expanding and constructing ZE charging / fueling infrastructure
- Partnering with available clean energy organizations locally to install a microgrid system that will support both public and private MD/HD fleets.

The document will envision Porterville capitalizing on the available solar power options within the region to strengthen resiliency during potential disasters or power outages. Financial collaboration among several stakeholders within Tulare County is expected to help build sustainability in the planning and execution of the blueprint.

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 California Energy Commission (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.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)
 - The CAM's expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products and Due Dates
 - Monthly Progress Reports (Task 1.4)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.5)

Recipient Products:

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

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the CEC 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 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, the Commission Grants Office Officer, and the CAM. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the CAM.

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

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

- What to do with any equipment purchased with 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 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 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 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.

The Recipient shall:

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

Products:

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

Task 1.6 Identify and Obtain Matching Funds

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

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the CEC 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 CEC funds for each task during the term of this Agreement. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare 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 1.7 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 CEC 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 a letter documenting the permits required to conduct this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit
- 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

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 CEC 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 PLANNING DEVELOPMENT AND COLLABORATION

The goal of this task is to develop project goals and milestones, develop sound outreach strategies and associated economic benefits, implement research and development, analyze technology and energy options and availability, identify potential charging and microgrid locations, calculate associated emission reductions and health impacts, calculate potential workforce benefits, and identify ways to accelerate commercial market adoption of ZE vehicles and infrastructure locally.

Subtask 2.1 Goals and Milestones

The Recipient shall:

- Develop actions and milestones for infrastructure development and fleet transition
- Gather other ZE transportation goals from other departments and local public agencies
- Identify ZE goals within the local fleet community
- Quantify and measure goals and objectives
- Establish goals for increased market adoption of MD/HD vehicles and infrastructure

Products:

- Interim Report on measurable goals and objectives

Subtask 2.2 Outreach Strategy and Economic Benefits

The Recipient shall:

- Create a project website to promote and engage the public, connect via social media, and post relevant information.
- Engage regional community-based organizations (CBOs), community leaders, agricultural workforce representatives, California Native American tribes, and potentially affected local residents to understand their specific needs, incorporate their input into the planning process, and educate them on the benefits of ZEV transportation.
- Engage utilities to determine grid delivery capacity, reliability, and resiliency, and to develop a utility analysis.
- Engage local school district(s) to understand their goals of reducing emissions among school bus fleets, charging needs, and importance of reducing emissions near schools and within the region. Obtain letters of intent or interest in using City infrastructure for refueling.
- Engage regional workplaces, community colleges, Workforce Development Boards, business owners and operators to educate them on job opportunities and training.
- Engage private fleets to understand infrastructure and power needs. Obtain letters of intent or interest in using public infrastructure for refueling.
- Engage local jurisdictions and planning organizations to review planning and permitting.
- Engage financial institutions on matters including education and participation in project implementation.
- Establish a plan to implement workforce training program at local community college.
- Develop an MOU or other document establishing terms of private use of public charging facilities.
- Develop an outreach strategy tailored to local community, supported by education and outreach materials appropriate.
- Develop workforce development strategies that will enable training, education, and readiness.
- Summarize the types of jobs that will be created for the local community. Research and provide job related data such as demand numbers, project growth and wage levels, and credentials required.
- Perform an economic benefits analysis that quantifies the economic benefits of the project with particular attention to benefits pertaining to DACs and low-income communities (LICs).

Products:

- Interim Report on planned and completed engagement activities
- Interim Report on outcomes from engagement efforts and their expected impact on the blueprint's plan and execution

Subtask 2.3 Research and Documentation

The Recipient shall:

- Research and document actions and steps already adopted by the City and County.

Products:

- Interim Report on actions and steps already adopted by the City and County

Subtask 2.4 Technology, Energy and Location Analysis

The Recipient shall:

- Evaluate current municipal fleet and costs to upgrade all vehicles to electric (Includes all departments with MD/HD vehicles- parks, airport, public works, transit, police and fire).
- Evaluate extension of electrical charging infrastructure to MD/HD private fleets within the City of Porterville and determine potential fleet numbers and use.
- Evaluate extension of electrical charging infrastructure to grade schools and community college MD/HD fleets within the City of Porterville and evaluate fleet numbers and use
- Evaluate current systems and understand additional power capacity needs to serve both the City and other public / private fleets. Determine additional impact to grid and utility rates.
- Identify additional charging locations using grid mapping system(s) and consideration of sensitive populations.
- Conduct a microgrid analysis. Develop a Porterville infrastructure charging and microgrid Test Plan. The Test Plan shall include, but is not limited to:
 - a description of the process to be tested;
 - the rationale for why the tests are required;
 - predicted performance based on calculations or other analyses;
 - test objectives and technical approach;
 - a test matrix showing the number of test conditions and replicated runs;
 - a description of the facilities, equipment, instrumentation required to conduct the tests;
 - a description of test procedures, including parameters to be controlled and how they will be controlled; parameters to be measured and instrumentation to measure them; calibration procedures to be used; recommended calibration interval; and maintenance of the test log;
 - a description of the data analysis procedures;
 - a description of quality assurance procedures;
 - contingency measures to be considered if the test objectives are not met;
- Review traffic flow patterns to optimize proposed charging locations.
- Outline initial draft of planned microgrid systems within the City of Porterville.
- Build an Energy Assurance Response and Planning Consortium to gather stakeholders and determine what city elements are key and what load levels would look like for those key stakeholders in the case of a power outage or equivalent . This team will analyze the combination of technologies and systems that offer the best mix of economic, environmental, and technical performance specific to the project/region.

Products:

- Interim Report identifying charging locations and commitments from private fleet partners to replace combustion vehicles with ZE (complete list and timeline)
- Interim Report identifying timeline for converting the public fleet to ZE (complete list and timeline)
- Written notification regarding the status of the microgrid analysis to the Commission Agreement Manager

Subtask 2.5 Replicability

The Recipient shall:

- Develop templates and planning guides to direct and facilitate the overall process.
- Identify analytical tools, software applications, and data needed to improve future MD/HD ZEV infrastructure planning activities.
- Identify each task or area of responsibility required of the project partners and stakeholder groups to develop a replicable approach for other fleets transitioning to zero-emission.

Products:

- Interim report on replicability objectives, including templates, planning guides, list of tools, applications, and data, and project partner/stakeholder group responsibilities

Subtask 2.6 GHG and DAC Benefits

The Recipient shall:

- Identify goals to reduce greenhouse gas (GHG) emissions, criteria air pollutants, and toxic air contaminants for the region, and the emitters at the local level.
- Calculate overall project GHG reductions and environmental impacts achievable based on project's proposed elements.
- Identify the benefits that would accrue to specifically to disadvantaged communities, low-income communities, priority populations, and/or tribal land (collectively, "DACs and LICs")

Products:

- Interim Report on Economic and Emission Reduction Benefit Analysis

TASK 3 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 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) from the project.

Products:

- Initial Project Fact Sheet
- Final Project Fact Sheet

- High Quality Digital Photographs

TASK 4 BLUEPRINT

The goal of this task is to develop a Draft and Final Blueprint Plan.

The Recipient shall:

- Develop the Draft Blueprint Plan that will identify the energy need for the City of Porterville and include a conceptual design of the charging infrastructure expansion and incorporation of distributed energy resources such as battery energy storage and solar arrays. Components of the design include: community map, site layout(s), single-line diagram, and financial/utility analysis.
- Develop Final Blueprint Plan. Plan will include: community map, site layout(s), single-line diagram, financial/utility analysis, bilingual outreach materials outlining goals and objectives of blueprint implementation to include job training opportunities, health and air quality benefits, and educational replicability demonstration.

Products:

- Draft Blueprint Plan
- Final Blueprint Plan

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION CALSTART, 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-21-034 with CALSTART, Inc. for a \$200,000 grant to develop a blueprint that will provide a comprehensive strategy for installing charging infrastructure that will help accelerate the deployment of MD/HD EVs in and around Porterville, California, by both public and private fleets; 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 September 8, 2021.

AYE:

NAY:

ABSENT:

ABSTAIN:

Liza Lopez
Secretariat