



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

A) New Agreement # ARV-21-003 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Madison Jarvis	27	916-237-2555

C) Recipient's Legal Name	Federal ID #
East Bay Community Energy	82-2262960

D) Title of Project
Zero-Emission Medium- and Heavy-Duty Vehicle Infrastructure Blueprint for Goods Movement in Alameda and San Joaquin Counties

E) Term and Amount

Start Date	End Date	Amount
07 / 15 / 2021	03 / 31 / 2023	\$200,000

F) Business Meeting Information

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

Proposed Business Meeting Date: 07/15/2021 ☐ Consent ☒ Discussion

Business Meeting Presenter: Katie Herter Time Needed: 5 minutes

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

Agenda Item Subject and Description:

EAST BAY COMMUNITY ENERGY. Proposed resolution approving Agreement ARV-21-003 with East Bay Community Energy for a \$200,000 grant to develop a planning “blueprint” document that will identify the actions and milestones needed to accelerate the adoption of zero-emission Class 3-8 trucks for goods movement in Alameda and San Joaquin Counties and adopting staff’s determination that this action is exempt from CEQA. (Clean Transportation Program funding.) Contact: Madison Jarvis. (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”:

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: 14 CCR section 15306 – Information Collection. 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 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



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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.

☐ Common Sense Exemption.

☐ 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
CALSTART, Inc.	\$200,000

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

Legal Company Name:
GRID Alternatives
East Bay Economic Development Alliance

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 #:

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

Name: Adrian Bankhead

Address: 1999 Harrison Street,
Suite 800

City, State, Zip: Oakland, CA 94612

Phone: (510) 906-0491

E-Mail: abankhead@ebce.org

2. Recipient's Project Manager

Name: Jessie Denver



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CEC-270 (Revised 12/2019)

Address: 1999 Harrison Street,
Suite 800
City, State, Zip: Oakland, CA 94612

CALIFORNIA ENERGY COMMISSION

Phone: (510) 827-2052
E-Mail: jdenver@ebce.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 | Attached |
| 5. CEQA Documentation | <input checked="" type="checkbox"/> N/A | Attached |

Madison Jarvis
Agreement Manager

6/28/2021
Date

Elizabeth John
Office Manager

6/2/2021

Date

Deputy Director

Date _____

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2		Establish Baseline
3		Forecast Future Plans and Needs
4	X	Assess Product Readiness
5		Identify Blueprint Priorities, Stakeholder & Community Benefits
6		Project Fact Sheet
7		EBCE MD/HD Goods Movement Blueprint

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jessie Denver (EBCE) Zac Thompson (EBCE)	CALSTART	
2	Chase LeCroy (CALSTART) Zac Thompson (EBCE) Jessie Denver (EBCE)	CALSTART	
3	Zac Thompson (EBCE) Jessie Denver (EBCE)	CALSTART	
4	Zac Thompson (EBCE) Jessie Denver (EBCE)	CALSTART	GRID Alternatives East Bay Economic Development Alliance
5	Zac Thompson (EBCE) Jessie Denver (EBCE)	CALSTART	
6	Jessie Denver (EBCE)	CALSTART	
7	Zac Thompson (EBCE) Jessie Denver (EBCE)	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
CARB	California Air Resources Board

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
DER	Distributed Energy Resources
EBCE	East Bay Community Energy
FTD	Fuels and Transportation Division
LIC	Low-Income Community
MD/HD	Medium- and Heavy-Duty
NAICS	North American Industry Classification System
Recipient or EBCE	East Bay Community Energy
SGC	Stakeholder Guidance Committee
ZE	Zero-Emission
ZETI	Zero-Emission Technology Inventory

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 #8, 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:

Recipient's service area is among the most strategic trade locations with connections to regional, state, national, and international markets. Alameda County specifically provides most of the fundamental goods movement infrastructure in Northern California. The movement of goods is a significant part of the economy and an integral component of everyday life for Recipient's customers. Growth in freight movement and e-commerce is changing trucking. While necessary, these vehicles negatively impact the health and well-being of the same communities they operate in, and a change to zero-emission (ZE) medium- and heavy-duty (MD/HD) goods movement vehicles is essential. One of the principal barriers to faster adoption of ZE MD/HD vehicles by commercial and industrial fleets is lack of adequate charging infrastructure as well as sufficient variety of vehicles required for the different uses.

Goals of the Agreement:

The goal of this agreement is to develop a MD/HD blueprint document that includes the entirety of Recipient's service area in support of a faster adoption of ZE MD/HD vehicles. Recipient's MD/HD blueprint will serve as a dynamic and iterative process that when fully implemented will establish its service area as a first successful "beachhead" market for ZE Class 3-6 goods movement by 2030. It will also engage key stakeholders and develop actions necessary to scale the charging infrastructure investment and workforce needed to enable the transition of ZE Class 7-8 goods movement vehicles required by 2040. Finally, Recipient will create an economical approach to planning for ZE MD/HD goods movement that is replicable statewide. The MD/HD blueprint is the pathway to establishing Recipient's service area as a beachhead market for ZE goods movement through fiscally responsible and sustainable changes in five strategic areas of opportunity: vehicles, infrastructure, financing, workforce development, and community benefits.

Objectives of the Agreement:

The objectives of this agreement are to investigate the details of the MD/HD goods movement ecosystem. Multiple data sources will be leveraged to identify key statistics about vehicles including but not limited to the number of Class 3-8 vehicles by fuel type, vocation, vehicle type, model year, vehicle class and size, and domicile locations. This data will be mapped and include an overlay of vehicle locations within disadvantaged community (DAC) and low-income community (LIC) boundaries, and will also identify the type of vocation the vehicles are engaged in. This will inform how and where vehicles may charge, and opportunities and constraints that could accelerate or limit ZE vehicle adoption in the near-, mid- and long-term.

The data analysis will be supported by surveys and interviews with fleets, fleet users, individual drivers, and other applicable stakeholders (e.g. local government, supply chain, financing, and workforce). The collective results of the analysis will enable the development of draft blueprint strategies and actions. All blueprint strategies and actions will be developed to benefit vulnerable communities. The outcome of these deliverables will be presented to a diverse Stakeholder Guidance Committee ("SGC"). The SGC will review the proposed blueprint strategies and actions and provide feedback to ensure a transparent and inclusive process. The Recipient will develop addressable vehicle segment goals (% of vehicles electrified by 2030, 2040) based on California Air Resources Board (CARB) data and recently published CALSTART cost parity data, and present recommendations to the SGC for consideration and approval. Across each of the five areas of opportunity the Recipient will follow the framework below:

- Establish a baseline
- Forecast future need
- Assess solution readiness (technology, financing, workforce)
- Evaluate stakeholder benefits
- Identify priorities

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.
- 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)

CAM Product:

- Kick-Off Meeting Agenda

Recipient Products:

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

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, 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 (if applicable)
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each final approved permit (if applicable)

Task 1.8 Obtain and Execute Subcontracts

The goal of this task is to ensure quality products and to procure subcontractors required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement policies and procedures. It will also provide 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 ESTABLISH BASELINE**

The goal of this task is to understand the vehicle ecosystem statistics in the Project Area (Alameda County and the City of Tracy in San Joaquin County), including number and types of MD/HD vehicles, their movement, and current fueling infrastructure.

The Recipient shall:

- Collect and analyze vehicle registration data from IHS Markit and other data sources for the Project Area. Provide a copy to the CAM.
- Match the data with North American Industry Classification System (NAICS) codes to categorize vehicles' vocation.
- Create surveys for goods movement fleet operators and fleet users (logistics companies, commercial business/corporations, etc.).
- Conduct interviews with fleets and fleet users to gather input on their current vehicle portfolios. Provide a copy of the survey template and summary of key outcomes to the CAM.
- Map goods movement related facilities. Provide a copy to the CAM.
- Obtain and analyze GeoStamp data from Harbor Trucking Association on truck movement, origin and destination, stopping points and commonly travel routes.

Products:

- Baseline inventory of MD/HD vehicles registered in Project Area
- Survey template and summary of key outcomes of surveys and interviews (for fleets, fleet users and others as applicable)
- Map of MD/HD vehicle registrations, applicable goods movement facilities, and vehicle travel routes

TASK 3 FORECAST FUTURE PLANS AND NEEDS

The goal of this task is to develop an informed forecast of future plans and needs of the fleets and fleet users in the Project Area for goods movement electrification in 2025, 2030 and 2040.

The Recipient shall:

- Develop questions for MD/HD goods movement fleets and fleet users with respect to ZE vehicle, charging infrastructure (onsite domicile locations and offsite route charging), and other distributed energy resources (DER; e.g. battery energy storage/resilience) needs, attitudes and concerns. Provide a copy to the CAM.
- Interview and/or survey fleets and fleet users on their 2025, 2030 and 2040 needs and plans.
- Meet with local government partners and other applicable stakeholders to evaluate availability of potential sites for public common fast charging yards based on fleet/fleet user survey feedback (see above and Task 2).
- Complete a summary of fleet findings of future electrification plans and needs for ZE vehicles, charging infrastructure and other DER solutions for 2025, 2030, and 2040 and provide a copy to the CAM.

Products:

- Prepared questions for surveys and interviews
- Summary of fleet findings

TASK 4 ASSESS PRODUCT READINESS

The goal of this task is to understand the ZE vehicle technology readiness across vocations and applications and suitability of charging infrastructure technologies and types.

The Recipient shall:

- Review current Zero-Emission Technology Inventory (ZETI).
- Review results of statewide ZE MD/HD pilot and demonstration projects.
- Review existing plans and tools related to ZE vehicle adoption.
- Interview manufacturers, as needed.
- Research innovative financing options and hold interviews with applicable stakeholders.
- Develop and issue financing Request for Information.
- Review results of CALSTART workforce listening tour.
- Identify project related workforce needs through 2040 in collaboration with East Bay Economic Development Alliance and GRID Alternatives.
- Produce a Summary Report on Vehicle and Infrastructure Readiness (relative to the needs and plans for 2025, 2030, 2040). Provide a copy to the CAM.
- Produce a Summary of workforce needs, and financing solutions related to MD/HD goods movement electrification. Provide a copy to the CAM.

Products:

- Summary Report on Vehicle and Infrastructure Readiness

- Summary of workforce needs, and financing solutions

[CPR WILL OCCUR DURING THIS TASK. See Task 1.2 for details.]

TASK 5 IDENTIFY BLUEPRINT PRIORITIES, STAKEHOLDER & COMMUNITY BENEFITS

The goal of this task is to develop prioritized blueprint strategies and actions for the MD/HD goods movement vehicle portfolio (e.g., vehicles registered in the Project Area) and charging infrastructure for the near, mid, and long term, and identify stakeholder and community benefits.

The Recipient shall:

- Review and align with existing local and regional plans, and fill critical gaps in those plans related to achieving a ZE goods movement economy in the Project Area.
- Develop proposed strategies and actions across each of the MD/HD Blueprint's opportunity areas based on results of data analysis in other Tasks.
- Conduct outreach to: a) commercial fleets / fleet users, b) target residential cohort, c) applicable Community Based Organizations, d) Community Choice Energy providers.
- Complete a summary of input from stakeholders and the community. Provide a copy to the CAM.
- Obtain feedback and approval of proposed Blueprint strategies and actions from SGC.
- Produce a table of Blueprint priorities, including strategies and actions across each opportunity area. Provide a copy to the CAM.

Products:

- Summarized input from stakeholders and community
- Table of Blueprint priorities

TASK 6 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) from the project.

Products:

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

TASK 7 EBCE MD/HD GOODS MOVEMENT BLUEPRINT

The goal of this task is to complete the MD/HD Goods Movement Blueprint for Recipient's service area building on the strategies and actions identified and vetted with stakeholders.

The Recipient shall:

- Develop an outline, draft, and final MD/HD Goods Movement Blueprint

Products:

- Outline of MD/HD Goods Movement Blueprint
- Draft EBCE MD/HD Goods Movement Blueprint
- Final EBCE MD/HD Goods Movement Blueprint

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION - RE: EAST BAY COMMUNITY ENERGY

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-21-003 with East Bay Community Energy for a \$200,000 grant to develop a planning blueprint that will identify the actions and milestones needed to accelerate the adoption of zero-emission Class 3 - 8 trucks for goods movement in Alameda and San Joaquin Counties; 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