STATE OF CALIFORNIA GRANT REQUEST FORM (GRF) CEC-270 (Revised 12/2021)

CALIFORNIA ENERGY COMMISSION

Federal ID #:

77-0262563

New Agreement # ZVI-22-015 (to be completed by CGL office)

B) Division:	Agreement Manager:	MS-	Phone:
600 Fuels and Transportation Division	Marc Perry	27	916-931-9424

C) Recipient's Legal Name:

San Joaquin Valley Air Pollution Control District

D) Title of Project:

South-Central Fresno Pepsi Delivery Truck Electrification

E) Term and Amount:

Start Date:	End Date:	Amount:
10 / 12 / 2022	3 / 31 / 2025	\$ 4,550,710

F) Business Meeting Information:

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

Proposed Business Meeting Date 10 / 12 / 2022
Consent Discussion

Business Meeting Presenter Marc Perry Time Needed: 5 minutes

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

Agenda Item Subject and Description:

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT. Proposed resolution approving Agreement ZVI-22-015 with San Joaquin Valley Air Pollution Control District for a \$4,550,710 grant to purchase and install at least eight direct current fast chargers and a battery energy storage system, to conduct workforce training and development, and to perform community outreach in Fresno, California, and adopting staff's determination that this action is exempt from CEQA. The proposed charging and battery energy storage system will be capable of charging and supporting the deployment of 50 on-road, Class-8 battery-electric trucks that are being funded by the California Air Resources Board. (General Fund Funding) Contact: Marc Perry (Staff Presentation: 5 minutes)

G) California Environmental Quality Act (CEQA) Compliance:

1. Is Agreement considered a "Project" under CEQA?

Yes (skip to question 2) INO (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:



CALIFORNIA ENERGY COMMISSION Categorical Exemption. List CCR section number: 15301 ("Existing Facilities"), 15303 ("New Construction or Conversion of Small Structures"), 15304 ("Minor Alterations to Land"), 15306 ("Information Collection")

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

Explain reason why Agreement is exempt under the above section: 14 CCR § 15301 provides for the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. This project is categorically exempt under 14 CCR 15301 because the installation of direct current fast charging equipment and infrastructure and the battery energy storage system equipment involve only minor physical modifications or alterations to the existing structures and electrical conveyances.

14 CCR § 15303 provides for the 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. This project is categorically exempt under 14 CCR 15303 because the new construction associated with the installation and placement of prefabricated direct current fast charging equipment and infrastructure and battery energy storage system equipment involve only electrical utility improvements and extensions and the construction of small structures. 14 CCR § 15304 provides for 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. This project is categorically exempt under 14 CCR 15304 because the paving and concrete activities associated with the installation and placement of prefabricated direct current fast charging equipment and infrastructure and battery energy storage system equipment are minor and will restore the previously disturbed surfaces.

14 CCR § 15306 provides for basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. This project is categorically exempt under 14 CCR 15306 because the collection of operational data from the direct current fast charging equipment and the battery energy storage system that will be utilized for charging 50 battery-electric trucks will not result in a serious or major disturbance to an environmental resource.

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



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

Legal Company Name:	Budget:
See attachment for complete listing.	\$ 4,187,000
	\$
	\$

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

Legal Company Name:

See attachment for complete listing.

J) Budget Information:

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
General Fund	FY 21/22	601.129DTP	\$4,550,710
Funding Source			\$

R&D Program Area: Select Program Area

TOTAL: \$4,550,710

Explanation for "Other" selection

Reimbursement Contract #: Federal Agreement #:

K) Recipient's Contact Information:

Recipient's Administrator/Officer
 Name: Todd DeYoung
 Address: 1990 E. Gettysburg Avenue
 City, State, Zip: Fresno, CA 93726
 Phone: 559-230-5800
 E-Mail: todd.deyoung@valleyair.org

2. Recipient's Project Manager

Name: Callie Tuell-Todd Address: 1990 E. Gettysburg Avenue City, State, Zip: Fresno, CA 93726 Phone: 559-230-6148 E-Mail: carrie.todd@valleyair.org STATE OF CALIFORNIA GRANT REQUEST FORM (GRF) CEC-270 (Revised 12/2021)

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L)	Selection	Process	Used:
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- Competitive Solicitation #: GFO-20-606
- First Come First Served Solicitation #:

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

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

\ge	N/A
	N/A

Attached
 Attached
 Attached
 Attached
 Attached
 Attached
 Attached

Agreement Manager

Date

Office Manager

Date

Deputy Director

Date

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2		Purchase Battery-Electric Trucks
3	Х	Supporting Infrastructure Construction and Equipment Installation
4		Zero-Emission Vehicle Workforce Training and Development Plan
5	Х	Community Outreach
6		Communications
7		Data Collection and Analysis
8		Project Factsheet

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Todd DeYoung (San Joaquin Valley Air Pollution Control District (SJVAPCD)), Brian Dodds (SJVAPCD), Carrie Tuell-Todd (SJVAPCD), Michelle Ortiz (SJVAPCD), Jasna Tomic (CALSTART, Inc. (CALSTART))	CALSTART	
2	Emily Conway (PepsiCo, Inc. (Pepsi))	New Bern Transport Corporation (New Bern)	Pepsi, Tesla, Inc. (Tesla)
3	Emily Conway (Pepsi), Graham Carroll (Tesla), Dean Kunesh (Pacific Gas and Electric Company (PG&E))	Bottling Group, LLC (BGLLC), Additional Subrecipients to Be Determined (TBD)	Pepsi, Tesla, PG&E
4	Emily Conway (Pepsi), Jasna Tomic (CALSTART), David Clark (Reedley College), Jeremy Ward (Fresno Unified School District)	BGLLC, CALSTART, Reedley College, Fresno Unified School District	Pepsi, Duncan Polytechnic High School
5	Catherine Garoupa White (Central Valley Air Quality Coalition (CVAQ))	CVAQ	
6	Emily Conway (Pepsi)	BGLLC, Subrecipient TBD	Pepsi
7	Jasna Tomic (CALSTART)	CALSTART, BGLLC	Pepsi
8	Emily Conway (Pepsi)	BGLLC, Subrecipient TBD	Pepsi

GLOSSARY

Specific terms and acronyms used throughout this scope of work/work plan are defined as follows.

Term/ Acronym	Definition
BESS	Battery Energy Storage System
BET	Battery-Electric Truck
BGLLC	Bottling Group, LLC, an operating subsidiary of PepsiCo, Inc.
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CARB	California Air Resources Board
CEC	California Energy Commission
СТР	Clean Transportation Program
CPR	Critical Project Review
CVAQ	Central Valley Air Quality Coalition
DAC	Disadvantaged Community
DCFC	Direct Current Fast Charger
EV	Electric Vehicle
EVSE	Electric Vehicle Supply Equipment (also known as chargers)
FTD	Fuels and Transportation Division
GHG	Greenhouse Gas
kW	Kilowatt
kWh	Kilowatt-Hour
New Bern	New Bern Transport Corporation, an operating subsidiary of PepsiCo, Inc.
OEM	Original Equipment Manufacturer
Pepsi	PepsiCo, Inc. Primary key partner and owner of the project property, trucks, chargers, and battery energy storage system.
PG&E	Pacific Gas and Electric Company
Recipient	San Joaquin Valley Air Pollution Control District
SJVAPCD	San Joaquin Valley Air Pollution Control District
Tesla	Tesla, Inc.
ZEV	Zero Emission Vehicles

BACKGROUND

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

On November 19, 2020, the California Energy Commission (CEC) and the California Air Resources Board (CARB) released a Grant Funding Opportunity (GFO) entitled "Zero-Emission Drayage Truck and Infrastructure Pilot Project." This competitive grant solicitation was to support the large-scale deployments of zero-emission, on-road, Class 8 drayage and regional haul trucks and the necessary zero-emission fueling infrastructure needed for service operation. CEC funding will support zero-emission vehicle infrastructure and installation, and workforce training and development. CARB funding will be allocated towards the purchase of on-road zero-emission Class 8 trucks. Other costs associated with administrative and data collection tasks will be supported by either CEC or CARB. In response to GFO-20-606, the Recipient submitted Proposal #05, which was proposed for funding in the CEC's Revised Notice of Proposed Awards on August 13, 2021. GFO-20-606 and Recipient's application are hereby incorporated by reference into this Agreement in its entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient's Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient's Application and the terms of CEC's and CARB's Award, CEC's and CARB's Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of CEC's and CARB's Agreements and the Recipient's Application, the terms of CEC's and CARB's Agreement shall control.

NOTE: CEC is acting in coordination with CARB regarding the overall project, but CARB is not a party to this CEC grant agreement (Agreement). This Agreement is a companion agreement to the agreement between CARB and the Recipient. No work on this project can begin until CARB's agreement with the Recipient has been executed. Work under the agreement between CARB and the Recipient ("CARB agreement") is referenced in this Agreement as a "CARB Task" or a "CARB Sub-task;" these terms mean a task or sub-task for which (1) the CARB agreement governs; (2) where the Recipient's performance is due to CARB; and (3) where the Recipient's reimbursable costs will be funded by CARB.

Problem Statement:

Though vital to California residents, Class 8 drayage, regional delivery, and long-haul activities are a large source of greenhouse gases (GHG), criteria pollutants, and other toxic air contaminant emissions. Emissions from drayage and other freight activities are a major obstacle in California's fight for energy security, climate change resiliency, and healthy air. To fully integrate zero-emission drayage, regional delivery, and long-haul trucks into the marketplace, the technology (i.e., trucks and infrastructure) must be successfully demonstrated at scale and in a way that supports the industry at large in the transition to zero-emission operations.

Goals of the Agreements:

The goals of the CEC Agreement and the CARB agreement are to advance the zero-emission Class 8 on-road technology and understanding of fleet dynamics when deploying many zero-

emission trucks and supporting infrastructure. The CEC Agreement will fund the installation of electric vehicle supply equipment (EVSE) and infrastructure and a battery energy storage system (BESS) at the Bottling Group, LLC (BGLLC) facility in Fresno, CA, as well as implement workforce development and training activities to support the successful deployment of 50 Class 8 battery-electric trucks (BET) by New Bern Transport Corporation (New Bern), that are being funded under the CARB agreement. The project will show significant emissions reductions in disadvantaged communities (DACs) and low-income communities, as well as providing additional economic, environmental, and public health benefits.

Objectives of the Agreements:

The objectives of the CEC Agreement and CARB agreements are to leverage the capabilities and expertise of the project team to purchase and deploy at least 50 BETs and at least eight (8) direct current, fast charging EVSE with PepsiCo, Inc. (Pepsi) as part of a comprehensive initiative to advance zero-emission technology, assess fleet dynamics, and develop best practices for scaled deployments and support truck manufactures in achieving economies of scale in their production. Specifically, the objectives of this Agreement with CEC are to:

- Deploy at least eight (8) Direct Current Fast Chargers (DCFC) to support the BETs.
- Construct and deploy a BESS to provide a backup electricity source in the event of a power outage and to provide demand response power and peak shaving.
- Conduct zero emission vehicle (ZEV) workforce development and training activities in concert with Reedley College in Reedley, CA, and Erma Duncan Polytechnical High School in Fresno; collect and analyze data on ZEV workforce development and training activities conducted by project partners; develop key performance indicators and metrics for driver operations, truck maintenance, and charger maintenance; and develop a ZEV Workforce Plan.
- Engage with a variety of project stakeholders such as environmental and public health groups, community-based organizations, environmental justice organizations, and local government leaders to gather feedback and to identify technology, infrastructure, policy, funding, and behavioral barriers to scaling BET adoption for drayage applications.
- Distribute information on the project's environmental and economic benefits, and promote project activities through methods such as literature drops, newsletters, a project website, webinars and, as allowed for by State and local mandates, public events such as press conferences, webinars, open houses, ribbon cutting events, and leveraging project partners, community organizations, and other associations.
- Collect and analyze operational data from the BETs, EVSE, and BESS to support OEMs, charger providers, utilities, agencies, and other stakeholders to better understand barriers of large-scale, heavy-duty BET deployments.

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) and CARB Project Liaison 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 CARB Project Liaison, and a representative of the CEC Accounting Office. The Commission Agreement Officer (CAO) may also attend this meeting, but is not required to do so. 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 or CARB Project Liaison to this meeting.
- Provide a written statement of project activities that have occurred after the notice of proposed awards but prior to the execution of the agreement using match funds. If none, provide a statement that no work has been completed using match funds prior to the execution of the agreement. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.7) No reimbursable work may be done until this documentation is in place
 - Permit documentation (Task 1.8)
 - Subawards needed to carry out project (Task 1.9)
 - The CAM's and CARB Project Liaison's expectations for accomplishing tasks described in the respective Scopes of Work in this Agreement and the CARB agreement.
 - An updated Schedule of Products and Due Dates
 - Monthly Calls (Task 1.4)
 - Quarterly Progress Reports (Task 1.5)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.6)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits
- Updated Schedule for Obtaining CARB Executive Order(s) (if necessary)
- Written Statement of Match Share Activities

CAM Product:

• Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

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

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

Meeting participants include the CAM, the CARB Project Liaison, 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 or CARB Project Liaison to provide support to the CEC and CARB.

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 and the CARB Project Liaison conclude 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 CAM, and the CARB Project Liaison. 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 and the CARB Project Liaison.

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

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

- What to do with any equipment purchased with CEC funds (Options)
- CEC'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 a schedule for completing the closeout activities for this Agreement.

Products:

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

Task 1.4 Monthly Calls

The goal of this task is to have calls at least monthly between the CAM, CARB Project Liaison,

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

The objectives of this task are to verbally summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, to verify match funds are being proportionally spent concurrently or in advance of CEC or CARB funds or are being spent in accordance with an approved Match Funding Spending Plan, to form the basis for determining whether invoices are consistent with work performed, and to answer any other questions from the CAM or CARB Project Liaison. Monthly calls might not be held on those months when a quarterly progress report is submitted, or the CAM determines that a monthly call is unnecessary.

The CAM and CARB Project Liaison shall:

- Schedule monthly calls.
- Provide questions to the Recipient prior to the monthly call.

The Recipient shall:

- Review the questions provided by CAM and CARB Project Liaison prior to the monthly call.
- Provide verbal answers to the CAM and CARB Project Liaison during the call.
- Provide call summary notes to the CAM and CARB Project Liaison of items discussed during call.

Product:

• Email Call Summary Notes to CAM and CARB Project Liaison

Task 1.5 Quarterly Progress Reports

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

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

- Prepare a Quarterly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Progress reports are due to the CAM and the CARB Project Liaison on the 20th day of each January, April, July, and October. The Quarterly Progress Report template can be found on the ECAMS Resources webpage, available at https://www.energy.ca.gov/media/4691.
- In the first Quarterly 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:

Quarterly Progress Reports

Task 1.6 Final Report

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

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

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

In addition to any other applicable requirements, the Final Report must comply with the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability; all applicable regulations and guidelines issued pursuant to the ADA; Cal. Gov. Code sects. 7405 and 11135; and Web Content Accessibility Guidelines 2.0, or a subsequent version, as published by the Web Accessibility Initiative of the World Wide Web Consortium at a minimum Level AA success criteria.

The Recipient shall:

- Prepare an Outline of the Final Report.
- Prepare a Final Report complying with ADA requirements and following the latest version of the Final Report guidelines, which will be provided by the CAM. The CAM and CARB Project Liaison 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 electronic copy of the completed Final Report with the final invoice to the CAM and the CARB Project Liaison and one bound copy of the Final Report to the CARB Project Liaison.

Products:

- Outline of the Final Report
- Draft Final Report
- Final Report

Task 1.7 Identify and Obtain Matching Funds

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

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the CEC budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the CAM and the CARB Project Liaison 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 inkind 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 and CARB Project Liaison if during the course of the Agreement additional match funds are received.
- Notify the CAM and CARB Project Liaison within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

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

Task 1.8 Identify and Obtain Required Permits

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

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

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the CAM and CARB Project Liaison 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 and CARB Project Liaison.
- As permits are obtained, send a copy of each approved permit to the CAM and CARB Project Liaison.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM and CARB Project Liaison within 5 working days. Either of these events may trigger an additional CPR.

Products:

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

Task 1.9 Obtain and Execute Subawards

The goal of this task is to ensure quality products and to procure subrecipients required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement policies and procedures.

The Recipient shall:

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

Products:

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

TECHNICAL TASKS

TASK 2 PURCHASE BATTERY-ELECTRIC TRUCKS (CARB-funded Task)

(This Task will be included in the CARB agreement)

TASK 3 SUPPORTING INFRASTRUCTURE CONSTRUCTION AND CHARGING EQUIPMENT INSTALLATION

Task 3.1 Infrastructure Make-Ready and Installation

The goal of this task is to integrate a series of freight facility improvements (i.e., substation and transformer installation) in two phases to prepare for complete electrification of Pepsi's New Bern delivery fleet at the BGLLC Fresno site. The first phase (Phase 1) will be the make-ready activities that include, but are not limited to, utility coordination, initial applications, site permitting, trenching, and installation of the electrical infrastructure that will supply power to the EVSE. The second phase (Phase 2) will be the EVSE installation and deployment and will include, but not be limited to, newer, faster charging EVSE as it becomes commercially

available, for a total of at least eight (8) DCFCs. EVSE will be inspected and safety certified by a third-party inspector (such as Underwriters' Laboratories or NSF). BET and EVSE deployment is coordinated: when the BETs are received, EVSE will be ready to support the deployment. At least eight EVSE shall be installed before the 10th BET is delivered. This task includes, but is not limited to, ongoing maintenance and operation of EVSE.

- Finalize equipment specifications for Phase 1 and Phase 2.
- Finalize EVSE delivery schedule, coordinated with BET deployment.
- Submit a *Final Equipment List* to the CAM and CARB Project Liaison.
- Purchase equipment for and complete Phase 1.
- Purchase EVSE.
- Receive all *Third-Party Safety Certification Documentation* and provide copies thereof to the CAM and CARB Project Liaison.
- 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. Provide a copy to the CAM and CARB Project Liaison.
- 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. Provide a copy to the CAM and CARB Project Liaison.
- Receive EVSE.
- Install EVSE.
- Inspect and test EVSE and networking software with a charging event.
- Commission EVSE.
- Complete a *Commissioning Report* for the EVSE and submit it to the CAM and CARB Project Liaison.
- Provide high-quality photos of Phase 1 equipment installation (i.e., substation and transformer) and of each EVSE for Phase 2 (clearly labeled and showing unique identification numbers) to the CAM and CARB Project Liaison.
- Hold monthly project status update calls with project partners during active construction (depending on level of activity).
- Include in Quarterly Progress Reports (Task 1.4) information from EVSE networking software on charging events, charger ID, vehicle ID, kilowatt hour (kWh) dispensed, date/time, duration, vehicles miles traveled (if available), maintenance issues and their resolution, in Excel file format. Actual amounts only; do not use averages.

Products:

- Final Equipment List
- AB 841 Certification
- EVITP Certification Numbers of each EVITP-certified electrician
- Third-party safety certification documentation for EVSE
- High-quality photos of installed EVSE
- Commissioning Report

Task 3.2 Install Battery Energy Storage System

The goal of this task is to procure and install the energy storage equipment. The BESS installation will occur in a single phase and will be completed between the first and second truck deliveries (and thus during infrastructure development). This task includes, but is not limited to, ongoing maintenance and operation of the energy storage, generation, and solar equipment.

The Recipient shall:

- Finalize BESS equipment specifications.
- Submit a *Final Equipment List* to the CAM and CARB Project Liaison.
- Submit order requests and purchase BESS equipment.
- Finalize BESS equipment delivery schedule.
- Receive BESS equipment.
- Install BESS equipment.
- Inspect and test BESS equipment.
- Commission BESS equipment.
- Complete a *Commissioning Report* and submit to the CAM and CARB Project Liaison.
- Provide high-quality photos of installed BESS equipment (clearly labeled with unique identification numbers) to the CAM and CARB Project Liaison.
- Hold monthly project status update calls with project partners during active construction (depending on level of activity).
- Include in Quarterly Progress Reports (Task 1.4) information from BESS software on BESS usage, including kW dispensed (daily and monthly), maximum energy storage in kWh, actual energy storage in kWh, and maintenance issues and their resolution, in Excel file format. Actual amounts only; do not use averages.

Products:

- Final Equipment List
- High-quality photos of installed BESS equipment
- Commissioning Report

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

TASK 4 ZERO-EMISSION VEHICLE WORKFORCE TRAINING AND DEVELOPMENT PLAN

The goal of this task is to develop and implement a Zero-Emission Vehicle Workforce Training and Development Plan (ZEV Workforce Plan). The ZEV Workforce Plan is for planning, curriculum development, and training of maintenance, operations, and service staff for both vehicles and infrastructure.

Task 4.1 ZEV Workforce Plan

The goal of this task is to develop a ZEV Workforce Plan.

- Develop a *ZEV Workforce Plan Outline*, which will include, but not be limited to, the approach and/or methodology to analyze ZEV Workforce Plan survey data against established performance indicators and metrics. Provide a copy to the CAM and CARB Project Liaison.
- Convene a meeting of fleets, charger infrastructure providers, original equipment manufacturers, trainers, and other project partners to discuss and document topics including, but not limited to:
 - Training needs
 - Gaps in the training
 - Training delivery options and locations
 - Workforce training performance metrics
 - Workforce training data collection
 - Identification of local training and workforce partners
- Conduct a ZEV Workforce Plan Survey. Collect data for the ZEV Workforce Plan including, but not limited to:
 - Total number of full- and part-time employees
 - Identification of employment class and/or job title
 - Wage rates
- Digitize meeting and survey responses.
- Develop a *Draft ZEV Workforce Plan* including, but not limited to:
 - Meeting and survey responses
 - Training performance metrics
 - Key performance indicators and metrics for driver operations and truck maintenance
 - Workforce elements required for electric vehicle charger planning, permitting, construction, installation, and maintenance
 - Implementation schedule for training
- Determine if workforce development and training personnel are required to comply with AB 841 requirements.

- If applicable, submit an *AB 841 Certification* that certifies the project has complied with all AB 841 requirements for workforce development and training personnel 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.
- If applicable, 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.
- Submit the *Draft ZEV Workforce Plan* to the CAM and CARB Project Liaison. The CAM shall provide comments to the Plan and the Recipient shall make the requisite revisions.
- Develop a *ZEV Workforce Fact Sheet* and provide a copy to the CAM and CARB Project Liaison.
- Prepare and submit the *Final ZEV Workforce Plan* for CAM approval.

Products:

- ZEV Workforce Plan Outline
- AB 841 Certification, if applicable
- EVITP Certification Numbers of each EVITP-certified electrician, if applicable
- Draft ZEV Workforce Plan
- ZEV Workforce Fact Sheet
- Final ZEV Workforce Plan

4.2 Workforce Training

The goals of this task are to develop a workforce training curriculum, prepare training materials, conduct training, and document performance and results. Training shall focus on safety, maintenance, operation, and service of fleet vehicles and electric vehicle charging infrastructure.

The Recipient shall:

- Develop a workforce training curriculum.
- Develop *Training Materials* for the fleet's training courses.
- Provide copies of the *Training Materials* to the CAM and CARB Project Liaison.
- Conduct training classes.
- Develop trainee Survey Instrument(s).

Products:

- Copies of Training Materials
- Copy(ies) of Survey Instrument(s)

Task 4.3 Workforce Project Data Collection and Analysis

The goals of this task are to collect workforce project data, to analyze that data for economic and training effects, and to include the data and analysis in the Final Report.

The Recipient shall:

- Develop a *Workforce Data Collection Plan* and provide a copy to the CAM and CARB Project Liaison.
- Identify key workforce and training issues encountered and resolution of the issues.
- Establish performance metrics and collect baseline data for training including, but not limited to course attendance, training agenda, total time trained, training topics covered per training session, and retention of training course material by trainees.
- Collect workforce and training data for the life of the project.
- Provide data on specific jobs and economic impact as a direct result of the project. Additionally, provide estimates of future jobs and occupations, list of required skills, and sources of workers.
- Describe the job market(s) that support the trucks and charging infrastructure for Class 8 ZEV trucks and compare the market and status from the time of the original project proposal to the time of the project's completion.
- Assess baseline data collected and trainee feedback collected in Task 4.2, workforce and training gaps, evaluate lessons learned and ways to improve and coordinate existing and future training efforts by the project partners, and include in the Final Report.
- Collect and document feedback from trainees using the Survey Instrument from Task 4.2.
- Perform an *Analysis* of all the collected data and information described above and include this analysis in the Final Report.

Products:

- Workforce Data Collection Plan
- Data collection information and analysis will be included in the Final Report

TASK 5 COMMUNITY OUTREACH

The goal of this task is to conduct community outreach aimed at identifying vehicle technology, infrastructure technology, policy, funding, and behavioral barriers to the innovation needs for scaling BET adoption for drayage and regional haul and to showcase the benefits of the project, including emissions reductions, local economic benefits, and commercial product goals. Project partners will engage and meet with environmental groups, community leaders, and community-based organizations to issue a series of media releases that will highlight ongoing project milestones and achievements. Community outreach efforts will be conducted in close collaboration between the Recipient, the Central Valley Air Quality Coalition (CVAQ), and Pepsi.

The Recipient shall:

• Work with project partners on issues of concern to residents in disadvantaged communities that are related to environmental and economic benefits of the project.

- Convene at least two community-based meetings to summarize project milestones and achievements. To accomplish this, the project team will:
 - Prepare *Presentation Materials* for each meeting. Provide copies to CAM and CARB Project Liaison.
 - Design the community-based meetings.
 - Identify key stakeholders and manage the invite lists.
 - Identify a *List of Key Stakeholders*, which shall include, but not be limited to: environmental and public health groups, community-based and environmental justice organizations, and local government leaders, and actively manage to invite additional such stakeholders for subsequent meetings.
 - •_____
 - Provide the List of Key Stakeholders invited to meetings to the CAM and CARB Project Liaison.
 - Secure speakers.
 - Develop and release press releases announcing the community-based meeting, the location, the agenda, key speakers and how to participate.
 - Facilitate discussion.
 - Ensure robust participation.
 - Gather feedback at each meeting.
 - Provide *Meeting Agendas, Minutes, and Attendance Logs* to the CAM and CARB Project Liaison.
- Provide a written *Summary Report* following each of the community-based meetings, including, but not limited to, major takeaways, action items for the project team, suggestions to industry and policy makers, and input from the community.

Products:

- Presentation materials for each meeting
- List of key stakeholders
- Meeting agendas, minutes, and attendance logs
- Summary Reports

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

TASK 6 COMMUNICATIONS

This task will create and distribute marketing materials to generate visibility and to demonstrate to stakeholders how the project is an example of the ways that innovative technologies can have significant environmental, economic, and public health benefits both regionally and statewide by showcasing the success of a BET and infrastructure deployment at a large-scale freight facility. Communication efforts will be conducted in close collaboration between the Recipient and Pepsi.

The Recipient shall:

- Work with project partners on developing marketing materials and other content that will target the local BET, EVSE, and BESS markets, and then distribute the materials in a way that successfully communicates with residents in disadvantaged communities.
 - Finalize *Literature on Environmental and Economic Benefits* from project activities (infrastructure installed; first truck delivered; all trucks deployed, etc.). Provide a copy to the CAM and CARB Project Liaison.
 - Distribute the above-described literature to targeted organizations, associations, and additional outreach channels for effective circulation.
 - Produce a *Project Video* that summarizes the project and highlights the environmental and economic benefits of the project. Provide a copy to the CAM and CARB Project Liaison.
- Create *Promotional Materials* for media coverage of the project by using project partner mediums that are regularly accessed by community members (e.g., press releases, social media, television news, print news, online news, etc.). Provide copies of all such promotional materials, including social media (e.g., LinkedIn, Twitter, Facebook, etc.), for the project, to the CAM and CARB Project Liaison.
- Conduct a press tour of the Pepsi facility with local- and state-level leaders in order to provide an exclusive look at the facility and the plans for the project. Provide copies of any and all promotional materials (as described in the previous item) regarding the press tour to the CAM and the CARB Project Liaison.
- Conduct an exclusive *Interview* about the project with a California-based publication. Provide a copy of the interview questions prior to the interview, and also a copy of the completed interview (via transcript or audio or visual recording) prior to publication, to the CAM and CARB Project Liaison.
- Participate in industry webinars and events to present project highlights, including infrastructure technologies used and the project's challenges/solutions, at industry conferences and webinars throughout the length of the project.
 - Create a *Schedule* for targeted industry events, conferences, and webinars and provide a copy to the CAM and CARB Project Liaison 30 days in advance of the first event.
 - Present lessons learned at industry events, conferences, and via educational webinars.
 - Present project highlights at industry events throughout the year following the project.
 - Submit copies of all *Materials* used during presentations at industry events, conferences, and webinars to the CAM and CARB Project Liaison.

Products:

• Copies of all literature materials created

- Copy of project video
- Copies of all promotional materials, including social media, promoting the project and covering the press tour.
- Copy of the interview questions prior to interview
- Copy of the interview prior to publication
- Schedule of targeted industry events, conferences, and webinars
- Copies of materials used during presentations at industry events, conferences, and webinars

TASK 7 DATA COLLECTION AND ANALYSIS

The goal of this task is to collect operational and enhanced data from the project. The project team will install and maintain all necessary equipment to collect data on all trucks and recharging events, and will analyze that data for economic and environmental impacts; inform stakeholders on requirements, grid impacts, costs/benefits, environmental impacts, and ratepayer benefits for the installation of heavy-duty EVSE; and will include the data and analysis in the Final Report.

- Develop a *Data Collection Test Plan*.
- Install data collection equipment and ensure that it works with the vehicles and infrastructure being demonstrated for this project.
- Collect and provide the following data, including, but not limited to:
 - Number, type, date and location of chargers installed.
 - Nameplate capacity of the installed equipment, in kW.
 - Number and type of outlets per charger.
 - Location type, such as street, parking lot, hotel, restaurant or multi-unit housing.
 - Total cost per charger, the subsidy from the CEC per charger, federal subsidy per charger, utility subsidy per charger, and privately funded share per charger.
- Troubleshoot any issues identified.
- Identify the source of the alternative fuel that powers the EVSE installed as part of the project, if applicable.
- Provide duty cycle of the existing diesel fleet and the expected duty cycle of future zero-emission vehicle acquisitions.
- Collect and provide a minimum of 12 months of throughput, usage, and operations data from the deployed infrastructure for the 50 BETs. Data must be collected monthly and submitted to the CAM and CARB Project Liaison in Quarterly Progress Reports. All data must be collected and provided using the data collection requirements detailed in GFO-20-606's Attachment 20, *Data Collection Requirements,* including, but not limited to:

- Peak power delivered (kW)
- Number of charging sessions per charger
- Average charger downtime
- Duration of active charging, hourly
- Duration of charging session, hourly (e.g., vehicle parked but not actively charging)
- Average session duration
- Energy delivered (kW)
- Average kWh dispensed
- Types of vehicles using the charging equipment
- Number of charges per BET
- Applicable price for charging, including but not limited to electric utility tariff, or EVSP service contract, or public charger price
- Energy delivered back to the grid or facility if a bidirectional charging use case (kWh)
- Maximum capacity of the new charging system
- Normal operating hours, up-time, downtime, and explanations of variations
- Gallons of gasoline and/or diesel fuel displaced (with associated mileage information)
- As above, for BESS usage (daily, monthly, total project) including, but not limited to:
 - Maximum energy storage capacity (kWh)
 - Number of times used
 - Hours of active use
 - Average usage session duration
 - Energy delivered (kW)
 - Maintenance issues and their resolution
- As above, for estimated air emissions reductions of the metrics below using the methodology and calculations shown in CARB's *Methodology for Determining Emission Reductions and Cost-Effectiveness*.
 - Greenhouse gas
 - Oxides of nitrogen
 - Particulate matter (PM10 and PM2.5)
 - Carbon intensity values for life-cycle greenhouse gas emissions
 - Reactive organic gas
 - Formaldehyde
 - Non-methane hydrocarbons
- Identify any current and planned use of renewable energy at the facility.
- Duty cycle of the current fleet and the expected duty cycle of future vehicle acquisitions

- Describe any energy efficiency measures used in the facility that may exceed Title 24 standards in Part 6 of the California Code Regulations.
- Analyze data collection from the BETs, focusing on the areas listed below:
 - EV Fleet operational dynamics and ability to charge
 - EV fleet availability and downtime
 - EV maintenance and repair summary and costs
 - Fleet duty cycle characteristics
 - Powertrain duty cycle (including fuel efficiency, battery degradation and range)
 - Vehicle energy consumption and charging pattern
 - Fleet operator, maintenance staff and driver experience
 - User and Operational Feedback
 - EV fleet's ability to meet operational needs
- Analyze data collection from charging infrastructure and DER, focusing on the areas listed below:
 - Capital and installation cost data
 - o Demonstration period facility, EVSE and load data
 - Maintenance and operations data
 - Charging and electricity utilization analysis
 - User and Operational Feedback
- Provide data on potential job creation (both temporary and permanent), economic development, and increased state revenue as a result of expected future expansion.
- Specific jobs (both temporary and permanent) and economic development resulting from this project.
- Compare any project performance and expectations provided in the proposal to CEC and CARB with actual project performance and accomplishments.
- Provide an *Analysis* of all collected data, information described all items above, and include the *Analysis* in the Final Report.
- Data collection and analysis for infrastructure will include:
 - Installation and capital costs for hardware, installation, electrical upgrades
 - Aggregated/average price of electricity
 - Performance metrics/analysis of charger reliability
- Conduct project stakeholder surveys, interviews and data reviews with fleet operators, OEMs, and utilities to identify challenges, successes, lessons learned and best practices during beginning, mid-point, and end of the project.

Products:

• Data Collection Test Plan

- Monthly data collection submitted to CEC and CARB with quarterly progress reports (Task 1.5)
- Data collection information and analysis will be included in the Final Report (Task 1.6)

TASK 8 PROJECT FACT SHEET

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

The Awardee 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 six (6) *High Quality Digital Photographs* (minimum resolution of 1300x500 pixels in landscape ratio) of pre- and post-technology installation at the project sites or related project photographs.

Products:

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

STATE OF CALIFORNIA

STATE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: San Joaquin Valley Air Pollution Control District

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

RESOLVED, that the CEC approves Agreement ZVI-22-015 with San Joaquin Valley Air Pollution Control District for \$4,550,710 grant to purchase and install at least eight DCFC and a BESS, to conduct workforce training and development, and to perform community outreach in Fresno, California. The proposed DCFC and BESS will be capable of charging and supporting the pilot of 50 on-road, Class 8 Tesla batteryelectric trucks that are being funded by CARB; and

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

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the CEC held on October 12, 2022.

AYE: NAY: ABSENT: ABSTAIN:

Dated:

Liza Lopez Secretariat