



STATE OF CALIFORNIA

**GRANT REQUEST FORM (GRF)**

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

**A) New Agreement # ARV-21-038 (to be completed by CGL office)**

<b>B) Division</b>	<b>Agreement Manager:</b>	<b>MS-</b>	<b>Phone</b>
	Esther Odufuwa	27	916-897-3612

<b>C) Recipient's Legal Name</b>	<b>Federal ID #</b>
Los Angeles Cleantech Incubator	45-4998717

<b>D) Title of Project</b>
Going for Gold: A Blueprint to Catalyze Medium-and Heavy-Duty Charging Infrastructure Investments in the Los Angeles Region Preceding the 2028 Games

**E) Term and Amount**

<b>Start Date</b>	<b>End Date</b>	<b>Amount</b>
10 / 13 / 2021	12 / 31 / 2024	\$ 199,259.00

**F) Business Meeting Information**

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

Proposed Business Meeting Date 10 / 13 / 2021 ☐ Consent ☒ Discussion

Business Meeting Presenter Kate Reid Time Needed: 5 minutes

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

**Agenda Item Subject and Description:**

LOS ANGELES CLEANTECH INCUBATOR. Proposed resolution approving Agreement ARV-21-038 with Los Angeles Cleantech Incubator for a \$199,259 grant to develop a blueprint which will identify MD/HD zero-emission transportation technology solutions for the 2028 Olympic and Paralympic Games and adopting staff's determination that this action is exempt from CEQA. (Clean Transportation Program funding). Contact: Esther Odufuwa. (Staff Presentation: 5 minutes)

**G) California Environmental Quality Act (CEQA) Compliance**

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

Yes (skip to question 2)

No (complete the following (PRC 21065 and 14 CCR 15378)):

Explain why Agreement is not considered a "Project":

Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because .

2. If Agreement is considered a "Project" under CEQA:

- a) Agreement **IS** exempt.

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

Categorical Exemption. List CCR section number: 14 CCR section 15306 – Information Collection

**GRANT REQUEST FORM (GRF)**

Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why Agreement is exempt under the above section: Agreement is exempt under the above section: Cal. Code Regs, tit. 14, §15306, Information Collection, provides that projects which consist of basic data collection, research and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource are categorically exempt from the provisions of CEQA. This project consists of developing a planning document for possible, future deployment of zero emission vehicles and related infrastructure equipment. The project will not cause direct physical changes to the environment, and there will be no physical construction. This project involves data collection, technology assessment, public outreach, administrative coordination efforts, planning, and similar activities. Therefore, the proposed project will have no significant effect on the environment and is categorically exempt under section 15306.

- b) Agreement **IS NOT** exempt. (consult with the legal office to determine next steps)

Check all that apply

Initial Study

Negative Declaration

Mitigated Negative Declaration

Environmental Impact Report

Statement of Overriding Considerations

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

Legal Company Name:	Budget
Gladstein, Neandross & Associates, LLC	\$ 25,000.00
BUILD Momentum (d.b.a. Momentum)	\$ 15,000.00

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

Legal Company Name:
Los Angeles Organizing Committee for the Olympic and Paralympic Games 2028 (d.b.a LA28)
Los Angeles County Metropolitan Transportation Authority

### J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
ARFVTP	FY 19/20	601.118L	\$199,259.00
			\$

R&D Program Area: TOTAL: \$

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #:



# GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

## K) Recipient's Contact Information

### 1. Recipient's Administrator/Officer

Name: Shannon Wright

Address: 525 S Hewitt Street

City, State, Zip: Los Angeles, CA  
90013

Phone: 213-358-6500

E-Mail: [swright@laincubator.org](mailto:swright@laincubator.org)

### 2. Recipient's Project Manager

Name: Michelle Kinman

Address: 525 S Hewitt Street

City, State, Zip: Los Angeles, CA  
90013

Phone: 213-621-8935

E-Mail: [michelle@laci.org](mailto:michelle@laci.org)

## L) Selection Process Used

Competitive Solicitation Solicitation #: GFO-20-601

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

N/A ☒

N/A ☐

Attached ☒

Attached ☒

Attached ☒

Attached ☐

Attached ☒

\_\_\_\_\_  
Agreement Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Office Manager

\_\_\_\_\_  
Date

\_\_\_\_\_  
Deputy Director

\_\_\_\_\_  
Date

## Exhibit A SCOPE OF WORK

### TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2	X	Identify Zero-Emission Vehicle Potential at the Games and Beyond
3	X	Assess Innovative Charging Technology to Support Transportation and Mobility Operations
4		Develop Project Fact Sheets
5		Finalize LACI Going for Gold Blueprint

### KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jack Symington, LACI Shannon Wright, LACI		
2	Jack Symington, LACI Michelle Kinman, LACI New Hire, SVP Market Transformation, LACI		Los Angeles Organizing Committee for the Olympic and Paralympic Games 2028 (d.b.a. LA28) METRO
3	Shevonne Sua, LACI Jack Symington, LACI Michelle Kinman, LACI New Hire, SVP Market Transformation, LACI	Gladstein, Neandross & Associates (GNA)	LA28 METRO
4	Jack Symington, LACI	BUILD Momentum (Momentum)	
5	Shevonne Sua, LACI Jack Symington, LACI Michelle Kinman, LACI New Hire, SVP Market Transformation, LACI	Momentum	LA28

## GLOSSARY

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

Term/ Acronym	Definition
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission
Clean Transportation Program	Formerly known as Alternative and Renewable Fuel and Vehicle Technology Program
CPR	Critical Project Review
FTD	Fuels and Transportation Division
Games	Olympic and Paralympic Games
LA28	Los Angeles Organizing Committee for the Olympic and Paralympic Games 2028 (d.b.a. LA28)
LA Metro	Los Angeles County Metropolitan Transportation Authority
LACI	Los Angeles Cleantech Incubator
M/HD	Medium- and Heavy-Duty
Recipient	Los Angeles Cleantech Incubator
TEP	Transportation Electrification Partnership
ZEV	Zero-Emission Vehicle

## 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 #19, which was proposed for funding in the CEC’s Notice of Proposed Awards on April 8, 2021. Proposal #19 and GFO-20-601 are hereby incorporated by reference into this Agreement in their entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient’s Application, the Solicitation shall control. 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:**

Los Angeles is hosting the Olympic and Paralympic Games in 2028, and just as the 1984 Olympic Games served as a rallying point for changes in the region’s transportation infrastructure, so too can the 2028 Games. Los Angeles Cleantech Incubator (LACI) and the Transportation Electrification Partnership (TEP) intentionally chose 2028 as the target year of the *Zero Emissions Roadmap* to build on that spirit of regional collaboration and provide a sense of urgency to demonstrate to the world that the Los Angeles region is firmly leading the way to an equitable zero emissions transportation future.

Partnering with LA28 the non-profit, privately funded, organizing committee for the 2028 Olympic and Paralympic Games (Games), LACI will create a blueprint to help LA28 integrate zero emission medium- and heavy-duty (M/HD) transportation technology

solutions into the Games in the short-term by catalyzing investment in charging infrastructure that will benefit the region before, during and long after the Games.

The final product will include:

1. An assessment of duty cycles and infrastructure options for zero-emission transit and goods movement that could be utilized for the Games' transportation operations.
2. A set of recommendations for how the region can accelerate prioritized charging infrastructure for medium and heavy-duty vehicles for which the Games can be a catalyst.

This collaboration with LACI is amongst the first public partnerships for LA28 and will create a plan to help ensure that visitors, athletes, and journalists can move emissions free during the Olympic and Paralympic Games. Moreover, this partnership represents an opportunity to help catalyze and prioritize critical investments not in the Games, but in the infrastructure needed to ensure the success of the aggressive regional goals LACI and TEP have set forth in the *Zero Emissions Roadmap* and the statewide goals Governor Newsom issued in Executive Order N-79-20. By understanding where the region can bring forward needed infrastructure that can also support the Games, the project will catalyze deployments that help local, regional, and state agencies reach critical zero emissions M/HD transportation goals.

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

The goal of this Agreement is to identify opportunities to catalyze charging infrastructure investments that facilitate zero emission transportation technology solutions integrated into the Games and serve the region's M/HD zero-emission vehicles (ZEVs) for the long term.

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

The objectives of this Agreement are to:

- Analyze the M/HD transportation duty cycles of the Games and identify where charging infrastructure deployments installed by regional transit agencies, school districts, warehouse owners and other key stakeholders could support M/HD ZEVs for the Games, if installed in time for 2028, while also helping meet the region's key long-term zero emission goals and plans.
- Assess logistical and operational feasibility of deploying innovative charging solutions, including temporary mobile or modular solutions, that could support M/HD vehicles during the Games and assess the value of their long-term contributions to the region's electrification plans. This assessment will include answering questions of what type and speed of chargers are appropriate in both the short and long-term.
- Create a blueprint shared broadly with stakeholders of recommendation to catalyze investment in charging infrastructure that will benefit the region before,

during, and long after the Games, including helping to meet the TEP's goals for 100% of Metro and LADOT buses to be electric, 60% of medium-duty delivery vehicles to be electric, and 40% of heavy-duty short haul and drayage trucks in LA County to be zero emission by 2028.

## **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)

#### **Recipient Products:**

- Updated Schedule of Products



- Updated List of Match Funds
- Updated List of Permits

### **Commission Agreement Manager Product:**

- Kick-Off Meeting Agenda

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

CPRs provide the opportunity for frank discussions between the CEC and the Recipient. The goal of this task is to determine if the project should continue to receive 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.
- 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 Draft 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
- 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 IDENTIFY M/HD ZEV POTENTIAL AT THE GAMES AND BEYOND**

The goal of this task is to identify the Games' M/HD transportation duty cycles where charging infrastructure deployments installed by regional transit agencies, school districts, warehouse owners and other key stakeholders could support M/HD ZEVs for the Games, if installed in time for 2028, while also facilitating the region's key long-term zero emission plans.

#### **The Recipient shall:**

- Identify high-visibility, high-volume M/HD vehicle duty cycles, including spectator, media, equipment, and athlete transportation that will be the

part of LA28's transportation operations for the movement of people and goods throughout the Games

- Coordinate with LA Metro and other key transit agencies as well as area school districts to identify depot electrification plans through 2028.
- Draft an assessment of current Transit Agency and School District Depot Electrification Plans charging infrastructure investments to serve the region's long-term zero emission M/HD needs and could also support M/HD ZEVs during the Games.
- Provide a report on Assessment of Current Transit Agency and School District Depot Electrification Plans to the CAM.
- Create an Evaluation of LA28 Transportation duty cycles and opportunities to use regional M/HD ZEV depot infrastructure that synthesizes the Games' duty cycles and the opportunities to employ zero emissions M/HD vehicles if regional transit agencies, warehouse owners and other key stakeholders invest in charging infrastructure at strategic locations in time for the Games, ultimately building out key segments of the comprehensive charging infrastructure network needed to achieve the region and state's long term goals.
- Provide a report on Evaluation of LA28 Transportation Duty Cycles and opportunities to use regional M/HD ZEV depot infrastructure to the CAM.

**Products:**

- A report on Assessment of Current Transit Agency and School District Depot Electrification Plans
- A report on Evaluation of LA28 Transportation Duty Cycles and opportunities to use regional M/HD ZEV depot infrastructure

**[CPR WILL BE HELD IN THIS TASK, see Task 1.2 for details]**

### **TASK 3 ASSESS INNOVATIVE CHARGING TECHNOLOGY TO SUPPORT TRANSPORTATION AND MOBILITY OPERATIONS**

The goal of this task is to assess the opportunity to utilize innovative charging solutions, including mobile and modular charging, to support M/HD vehicles during Games and assess their long-term value for contributing to the region's long-term electrification plans.

**The Recipient shall:**

- Evaluate the logistical considerations of the Games' duty cycles, including the establishment of temporary transportation depots and logistics hubs to determine how mobile or modular charging technology can support LA28 operations.



- Build and release a Request for Information (RFI) for Mobile and Modular Charging Technology to understand the technology landscape and planned developments prior to the Games.
- Provide a copy of the results of the RFI on Mobile and Modular Charging Technology to the CAM.
- Share RFI results with stakeholders (facilities, delivery fleets, agencies) to understand applicability to Games' operations and the lasting potential of charging technology included in the submissions.
- Analyze opportunities to incorporate temporary charging where required and feasible for people and goods movement to develop an Analysis of Temporary Charging Technology to Support LA28 Transportation Centers.
- Provide an Analysis of Temporary Charging Technology to Support LA28 M/HD ZEV transportation operations to the CAM.

**Products:**

- Results of Request for Information on Mobile and Modular Charging Technology
- Analysis of Temporary Charging Technology to Support LA28 M/HD ZEV transportation operations

**[CPR WILL BE HELD IN THIS TASK, see Task 1.2 for details]**

**TASK 4 DEVELOP PROJECT FACT SHEETS**

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

**The Recipient shall:**

- Prepare an Initial Project Fact Sheet at start of the project that describes the project and the expected benefits. Use the format provided by the CAM.
- Prepare a Final Project Fact Sheet at the project's conclusion that describes the project, the actual benefits resulting from the project, and lessons learned from implementing the project. Use the format provided by the CAM.
- Provide at least (6) six High Quality Digital Photographs (minimum resolution of 1300x500 pixels in landscape ratio) from the project.

**Products:**

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

## **TASK 5 FINALIZE LACI GOING FOR GOLD BLUEPRINT**

The goal of this task is to create a blueprint for catalyzing investment in charging infrastructure that will benefit the region before, during and long after the Games, and share the blueprint recommendations broadly to help LA28 integrate zero emission M/HD transportation technology solutions into the Games.

### **The Recipient shall:**

- Synthesize LA28's transportation operations, the charging infrastructure potential of various transit districts and school districts, and the potential applications for temporary mobile and modular charging technologies to construct the Blueprint that highlights opportunities to deploy infrastructure that facilitates zero emission transportation technology solutions for the Games and supports long-term regional electrification goals.
- Share, via webinar or invitation-only conference, the Blueprint with transit agencies, school districts, warehouse owners and fleets to convey how accelerating infrastructure deployments can support the Games and demonstrate the region's zero emission transportation leadership.
- Provide webinar/conference attendee list and presentation materials to the CAM.

### **Products:**

- Draft Blueprint
- Final Blueprint
- Attendee List and Presentation Materials

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION: LOS ANGELES CLEANTECH INCUBATOR

**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-21-038 with Los Angeles Cleantech Incubator for a \$199,259 grant to develop a blueprint which will identify MD/HD zero-emission transportation technology solutions for the 2028 Olympic and Paralympic Games; 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 13, 2021.

AYE:

NAY:

ABSENT:

ABSTAIN:

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Liza Lopez  
Secretariat