



STATE OF CALIFORNIA

GRANT REQUEST FORM (GRF)

CEC-270 (Revised 12/2019)

CALIFORNIA ENERGY COMMISSION

A) New Agreement # ARV-21-028 (to be completed by CGL office)

B) Division	Agreement Manager:	MS-	Phone
600 Fuels and Transportation Division	Adeel Ahmad	27	916-237-2559

C) Recipient's Legal Name	Federal ID #
San Diego Association of Governments	95-2784997

D) Title of Project
San Diego Regional Medium- and Heavy-Duty Zero Emission Vehicle Blueprint

E) Term and Amount

Start Date	End Date	Amount
08 / 11 / 2021	3 / 31 / 2024	\$ 200,000

F) Business Meeting Information

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

Proposed Business Meeting Date 8 / 11 / 2021 ☐ Consent ☒ Discussion

Business Meeting Presenter Kathryn Reid Time Needed: 5 minutes

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

Agenda Item Subject and Description:

San Diego Association of Governments (SANDAG). Proposed resolution approving Agreement ARV-21-028 with SANDAG for a \$200,000 grant to develop their MD/HD ZEV blueprint to reduce barriers to light duty EV adoption, including a charger needs assessment online mapping tool and EV expert, and adopting staff's determination that this agreement is exempt from CEQA. (Clean Transportation Program funding)

G) California Environmental Quality Act (CEQA) Compliance

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

☒ Yes (skip to question 2) ☐ No (complete the following (PRC 21065 and 14 CCR 15378)):

Explain why Agreement is not considered a "Project":

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

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

a) ☒ Agreement **IS** exempt.

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

☒ Categorical Exemption. List CCR section number: Cal. Code Regs, tit. 14, section 15306 ("Information Collection")

☐ Common Sense Exemption. 14 CCR 15061 (b) (3) Explain reason why Agreement is exempt under the above section:

Cal. Code Regs, tit. 14, §15306, Information Collection, provides that projects which consist of basic data collection, research and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource are categorically exempt from the provisions of CEQA. This project consists of developing a planning document for possible, future deployment of zero emission vehicles and related



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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
TBD	\$ 125,218.00
	\$
	\$

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

Legal Company Name:
San Diego Unified Port District

J) Budget Information

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
AREVTP	FY 19/20	601.118L	\$200.000
Funding Source			\$
Funding Source			\$
Funding Source			\$
Funding Source			\$

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

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #:

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

Name: Kelly Mikhal

Address: 401 B Street, Suite 800



STATE OF CALIFORNIA

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City, State, Zip: San Diego, CA
92101

Phone: (619)-699-7386

E-Mail: kelly.mikhail@sandag.org

2. Recipient's Project Manager

Name: Jeff Hoyos

L) Selection Process Used

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

M) The following items should be attached to this GRF

- | | | | |
|---|-------------------------------------|-----|--|
| 1. Exhibit A, Scope of Work | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 2. Exhibit B, Budget Detail | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 3. CEC 105, Questionnaire for Identifying Conflicts | <input checked="" type="checkbox"/> | N/A | <input checked="" type="checkbox"/> Attached |
| 4. Recipient Resolution | <input type="checkbox"/> | | <input type="checkbox"/> Attached |
| 5. CEQA Documentation | <input type="checkbox"/> | | <input type="checkbox"/> 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		MD/HD ZEV Needs Assessment
3	X	MD/HD ZEV Working Group
4		Development of MD/HD ZEV Technology and Siting Criteria
5		Near- and Long-Term Implementation Strategies
6		Project Fact Sheet and Outreach
7		Blueprint

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Jeff Hoyos	TBD	N/A
2	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	San Diego Unified Port District
3	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	N/A
4	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	San Diego Unified Port District
5	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	San Diego Unified Port District
6	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	N/A
7	Jeff Hoyos, Keri Robinson, Susan Freedman	TBD	N/A

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

Term/ Acronym	Definition
CPR	Critical Project Review
FTD	Fuels and Transportation Division
Recipient	San Diego Association of Government
RTP/SCS	Regional Transportation Plan and Sustainable Communities Strategy
SANDAG	San Diego Association of Governments
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 #34, which was proposed for funding in the CEC’s Notice of Proposed Awards on April 8, 2021. GFO-20-601 is hereby incorporated by reference into this Agreement in their entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient’s Application, the Solicitation shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the terms of the Recipient’s Application, the terms of this Agreement shall control.

Problem Statement:

Transportation is the leading cause of greenhouse gas (GHG) emissions and air pollution in the San Diego region. No County-wide plan yet exists to enable the transition to zero emission vehicles (ZEV) for the freight and transit sectors. The San Diego region has two transit agencies that have prepared zero-emission bus rollout plans to implement the Innovative Clean Transit Rule; the San Diego Unified Port District (Port) and San Diego County Air Pollution Control District (SDAPCD) are leading development of a Community Emissions Reduction Plan (CERP) for the portside communities impacted most by diesel freight vehicles (Assembly Bill (AB) 617 program); Caltrans and SANDAG are working with federal and binational agencies on a new border crossing with Mexico to support greater goods movement; and the local utility, San Diego Gas & Electric (SDG&E) is supporting individual fleets in the MD-HD space through their Power Your Drive for Fleets program. SANDAG proposes to synthesize these localized planning and program efforts to develop a regional blueprint for MD-HD electrification. To accomplish this, SANDAG will convene a stakeholder group and identify opportunities for vehicle and infrastructure deployments throughout the region.

Goals of the Agreement:

The overall goal of this Agreement is to develop a Blueprint that will guide the transition of goods movement and transit fleets to ZEVs in the San Diego region. First, an understanding of the regional MD/HD ZEV landscape must be developed to understand the effort needed for the transition. A regional MD/HD ZEV Fleets and Infrastructure Assessment will expand on previous EV planning efforts, analyze existing and planned MD/HD fleets, and identify barriers to adoption of MD/HD ZEVs. A MD/HD ZEV Working Group will be convened to provide guidance and input on development of the regional Blueprint. Next, all MD/HD ZEV options must be considered to accelerate the transition and achieve state goals. The Blueprint will analyze innovative technologies and suggest screening criteria for optimal locations for infrastructure deployment throughout the region. With Working Group input, the Blueprint will identify quantitative and qualitative ZEV infrastructure goals needed to support future MD/HD ZEV fleets in the region. Lastly, the Blueprint will identify near- and long- term pilots, projects, and actions that will address the barriers identified and accelerate the transition of regional MD/HD fleets. The information gathered will be used to ultimately develop a regional MD/HD ZEV Blueprint that identifies and recommends avenues to overcome barriers, establishes regional ZEV goals and objectives, and identifies innovative projects to pursue throughout the region.

Objectives of the Agreement:

The objectives of this Agreement are to:

- Identify barriers to MD/HD ZEV adoption.
- Analyze existing and planned ZEV fleets and routes.
- Create a MD/HD ZEV Working Group to provide regional stakeholder input on the Blueprint.
- Explore available and emerging innovative technologies.
- Develop siting criteria to identify locations where charging can be installed to facilitate transit and goods movement and maximize MD/HD ZEV adoption.
- Identify quantitative and qualitative ZEV infrastructure goals.
- Identify near- and long- term actions that will accelerate the transition of regional MD/HD fleets.
- Enable workforce development for ZEVs and infrastructure
- Reduce air pollution and GHG emissions in communities of concern
- Educate the public through an education and outreach campaign and publish fact sheets summarizing the expected and achieved benefits of a Blueprint and resources for use by regional stakeholders.
- Develop a user-friendly Blueprint that outlines a roadmap for the San Diego region to achieve MD/HD ZEV goals.

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

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

The Recipient shall:

- Attend a “Kick-Off” meeting with the CAM, the Commission Agreement Officer (CAO), and a representative of the California Energy Commission (CEC) Accounting Office. The Recipient shall bring their Project Manager, Agreement Administrator, Accounting Officer, and any others determined necessary by the Recipient or specifically requested by the CAM to this meeting.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.6) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.7)
 - Subcontracts needed to carry out project (Task 1.8)

- The CAM's expectations for accomplishing tasks described in the Scope of Work
- An updated Schedule of Products and Due Dates
- Monthly Progress Reports (Task 1.4)
- Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
- Final Report (Task 1.5)

Recipient Products:

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

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

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

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

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

The CAM shall:

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

- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

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

CAM Products:

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

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

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

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

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

The administrative portion of the meeting shall be a discussion with the CAM and the Grants Officer about the following Agreement closeout items:
 - What to do with any equipment purchased with CEC funds (Options)
 - CEC request for specific “generated” data (not already provided in Agreement products)
 - Need to document Recipient’s disclosure of “subject inventions” developed under the Agreement
 - “Surviving” Agreement provisions

- Final invoicing and release of retention
- Prepare a schedule for completing the closeout activities for this Agreement.

Products:

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

Task 1.4 Monthly Progress Reports

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

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

The Recipient shall:

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

Product:

- Monthly Progress Reports

Task 1.5 Final Report

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

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

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

The Recipient shall:

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

Products:

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

Task 1.6 Identify and Obtain Matching Funds

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

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

The Recipient shall:

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the CEC awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the CEC awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
 - Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.

- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

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

Task 1.7 Identify and Obtain Required Permits

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

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

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.

- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit (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 MD/HD ZEV NEEDS ASSESSMENT

The goal of this task is to document previous EV planning efforts, the existing EV landscape, and the future landscape of the region. Through this task, the Recipient will document existing conditions and identify barriers and gaps in policy, technology, and infrastructure.

The Recipient shall:

- Summarize the MD/HD ZEV planning efforts to date and the current planning initiatives.
- Identify and document existing and planned MD/HD fleets and corridors within the region, and existing and emerging ZEV technologies.
- Identify existing charging infrastructure for MD/HD fleets, current trends for future deployments, gaps, and lessons learned.
- Identify current workforce and workforce development opportunities within the region and analyze the future workforce development needs to support MD/HD ZEV transition goals.

Products:

- Regional MD/HD ZEV Needs Assessment Draft Report
- Regional MD/HD ZEV Needs Assessment Final Report

TASK 3 MD/HD ZEV WORKING GROUP

The goal of this task is to collaborate with regional stakeholders to identify best practices, trends, and barriers to ZEV adoption to help inform development of the Blueprint.

The Recipient shall:

- Establish a MD/HD ZEV Working Group with regional stakeholders.
- Facilitate quarterly meetings
- Develop quarterly agendas, record meeting minutes, and develop action items and next steps

Products:

- Establish MD/HD ZEV Working Group (outreach list and registered list)
- Quarterly Meetings agenda
- Quarterly Documents with attendance list and minutes summary

[CPR WILL OCCUR DURING THIS TASK, SEE TASK 1.2 FOR DETAILS]

TASK 4 DEVELOPMENT OF MD/HD ZEV TECHNOLOGY AND SITING CRITERIA

The goal of this task is to analyze the existing and planned MD/HD ZEV fleets, routes, and energy/fueling requirements (identified in Task 2) to identify technologies and siting criteria that support best use cases for MD/HD charging and fueling applications throughout the region.

The Recipient shall:

- Use state and regional goals and mandates and Working Group input to define and establish San Diego regional MD/HD ZEV infrastructure goals for 2030, 2040, and 2050.
- Develop MD/HD ZEV Technology Criteria and Infrastructure Siting Criteria to identify optimal/best use infrastructure types and general locations. Include the following:
 - Explore use cases for available and emerging innovative clean transportation technologies
 - ZEV Technology Criteria will consider at a minimum: MD/HD charging infrastructure energy demand and hydrogen fueling requirements, GHG and air pollutant criteria reductions and air quality benefits, infrastructure costs, fleets serviced, flexibility of the infrastructure, system resiliency, onsite/self-generation compatibility, and ability for integration with the intelligent transportation system.
 - Develop siting criteria to identify locations where clean transportation infrastructure can be installed to facilitate transit and goods movements and maximize MD/HD ZEV adoption.
 - The Infrastructure Siting Criteria will consider aspects such as: location to regional freight and transit corridors, freight distribution centers, the port, and transit centers; power supply availability, infrastructure footprint requirements, fleets serviced and flexibility of infrastructure, locational grid capacity, infrastructure resiliency, hydrogen fuel production needs, and renewable energy onsite/self-generation opportunities.

Products:

- Analysis of ZEV Infrastructure Needs for planned ZEV fleets
- MD/HD ZEV Technology Criteria and Infrastructure Siting Criteria Draft
- MD/HD ZEV Technology Criteria and Infrastructure Siting Criteria Final

TASK 5 NEAR- AND LONG-TERM IMPLEMENTATION STRATEGIES

The goal of this task is to combine the findings from Task 2, Task 3, and Task 4 to identify near-term and long-term implementation strategies, best practices, and actionable recommendations.

The Recipient shall:

- Summarize the work completed in Tasks 2, 3, and 4 and coordinate with the Working Group to identify near- and long-term implementation strategies to advance MD/HD ZEV fleets in the region based on best practices, economic activity and workforce development needs, resiliency and technology opportunities, policy recommendations, and regional MD/HD ZEV goals.

- Based off these strategies and the siting criteria proposed in Task 4, identify near- term pilots or use case applications with synopsis

Products:

- Near- and Long-Term Implementation Strategies Draft Report
- Near- and Long-Term Implementation Strategies Final Report
- A List of Future Pilot/Use Case Applications with Synopsis

TASK 6 PROJECT FACT SHEET AND OUTREACH

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 use by the public and key decision makers. This task will also develop an outreach and education plan and associated resources for public agencies and property owners.

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.
- Create an Outreach and Education Plan to educate the public and share the fact sheets and resources with regional stakeholders

Products:

- Initial Project Fact Sheet
- Final Project Fact Sheet
- High Quality Digital Photographs
- Outreach and Education Plan
- Outreach and Education resources for property owners and public agencies

TASK 7 BLUEPRINT

The goal of this task is to summarize the work completed in Tasks 2 through 5 in a regional MD/HD ZEV Blueprint. The Blueprint will: identify and recommend avenues to overcome barriers, establish regional ZEV goals and objectives, and identify innovative projects to pursue throughout the region to enable greater use of ZEV freight and transit vehicles.

The Recipient shall:

- Draft a user-friendly Blueprint that clearly captures the findings in Tasks 2 through 5. Additionally, the Blueprint will outline the roles and responsibilities of key stakeholders in the implementation of the Blueprint and identify funding opportunities that would support MD/HD ZEV infrastructure deployment.

Products:

- Draft Blueprint
- Final Blueprint

STATE OF CALIFORNIA

STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION

RESOLUTION SAN DIEGO ASSOCIATION OF GOVERNMENTS (SANDAG)

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-21-028 with SANDAG for a \$200,000 grant to develop their MD/HD ZEV blueprint to reduce barriers to light duty EV adoption, including a charger needs assessment online mapping tool and EV expert; and

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

CERTIFICATION

The undersigned Secretariat to the CEC does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the CEC held on August 11, 2021.

AYE:

NAY:

ABSENT:

ABSTAIN:

Liza Lopez
Secretariat