

APPENDIX A APPLICATION

Advanced Technology Demonstration and Pilot Projects

Mobile Source Control Division
California Air Resources Board
July 2023



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MSCD/ISB-097 AQIP/LCTI APPLICATION

Please fill out and submit as a part of this application the MSCD/ISB AQIP/LCTI Application:

https://ww2.arb.ca.gov/sites/default/files/2023-07/MSCD_ISB_097.pdf

ATTACHMENT 1: PROJECT EXECUTIVE SUMMARY AND PROJECT SUMMARY FOR PUBLIC POSTING

1. The Project Executive Summary must contain a summary of the proposed project. It is a self-contained document that identifies:
 - a) The name of the applicant.
 - b) The project technology demonstrator(s).
 - c) The project title.
 - d) The objectives of the project.
 - e) A description of the project.
 - f) Methodologies to be employed.
 - g) Technologies to be utilized and supporting infrastructure.
 - h) Potential benefits and outcomes.
 - i) Any workforce training that will be part of the project.
 - j) Major participants.
 - k) Total project cost.
 - l) Requested funding amount.
 - m) Match amounts proposed.
 - n) Expected emission reductions from the entire project in Particulate Matter 2.5 (PM2.5), Nitrogen Oxide (NOx), Reactive Organic Gases (ROG), Diesel Particulate Matter (DPM), and greenhouse gases (GHG).
 - o) Years of experience in the manufacture, usage, and/or operation of advanced technology (for applicants and project partners please explain in detail).

2. The Project Executive Summary should not include information that is not in the rest of the proposal. This document must not include any proprietary or sensitive business information as it may be made available to the public. The project summary must not exceed one page when printed using standard 8.5" by 11" paper with a minimum of 1" margins (top, bottom, left, and right) with font not smaller than 11 point.

3. The *Project Summary for Public Posting* is required for all competitive applications for Low Carbon Transportation Greenhouse Gas Reduction Funds (GGRF) and will be publicly posted on the California Air Resources Board's (CARB) website at least ten days before CARB preliminarily selects applications as Grantees. The Brief Project Summary for Public Posting must be no more than 500 words and must include:
 - a) Project Name.
 - b) Name of applicant and project partners.

- c) Brief description of proposed project including location (excluding personally identifiable information for any private individuals).
- d) Amount of funding requested.
- e) Total cost of project including requested funding amount and match amounts that are proposed.
- f) Expected emission reductions in PM2.5, NO_x, ROG, DPM, and GHG.
- g) Whether the project is to be located within or provide benefits to a disadvantaged community.
- h) Any workforce training that will be part of the project.

Please note that CARB may, at its sole discretion, modify the Project Summary for Public Posting in order to present the required project information more accurately than presented in the actual project application.

ATTACHMENT 2: PROJECT NARRATIVE AND WORK PLAN

Project Narrative

The project narrative must separately address each of the scoring criteria requiring a response listed in the evaluation and scoring section of the Solicitation. The first page of the project narrative must include the project's title, funding amount requested, applicant (public entity or non-profit organization), industry partner(s) that will act as the technology demonstrator(s) (if applicable), data collection and analysis partner, and end user(s). The narrative should also include the legal owner of the equipment after the completion of the project.

Partners are persons or organizations that will contribute resources to the project via cash, equipment/materials, facilities, or in-kind services. The project narrative must not exceed 25 pages when printed using standard 8.5" by 11" paper with a minimum of 1" margins (top, bottom, left and right) with font no smaller than 11 point. Additional information can be provided in an appendix to support the discussion in the Project Narrative, if necessary, without a page limit. Do not include internet addresses (URLs) as a substitute to providing information necessary to review the application. Provide sufficient information so that reviewers will be able to evaluate the application in accordance with these scoring criteria.

The project narrative must contain affirmation that all parties participating in the demonstration have read the Sample Grant Agreement (Appendix B). Include the project's estimated reductions of GHG, criteria pollutant, and toxic air contaminant emissions for each piece of advanced technology vehicle, vessel or equipment that is proposed for the project. Describe any proposed use of existing infrastructure (e.g., electric vehicle supply equipment, hydrogen refueling stations, etc.) to support the project. Declare if the proposed project uses any equipment that has been funded with a public incentive program and state its incentive program status, as described in the Scope of Work section of the Solicitation. If projects are only applying for AB 179 Commercial Harbor Craft Regulatory Compliance funding, applicants must make a statement as such in their narrative.

The project narrative must include a plan to ensure that emission reductions required by any incentive program's contract or grant are considered for each vehicle, vessel and piece of equipment that is proposed to be used for the technology demonstration. Explain the steps that will be followed to accomplish required government certification and verification protocols where applicable, including CARB, United States Environmental Protection Agency, United States Coast Guard, Federal Railroad Administration, or Federal Aviation Administration. Both the project narrative and work plan must address how the applicant will implement all the tasks in the proposed scope of work. Provide bibliographic citations for any references cited, including names of all authors, the article and journal title, book title, volume number,

page numbers, and year of publication. Enclose with your application any documents (or pertinent excerpts) that you cite in support of performance claims in your project.

Work Plan

A detailed work plan needs to be included in the application package. The work plan should detail each specific task that is required to complete the project as milestones, and the timing of each task that lead to the on-time completion of the project.

Emissions testing is a required element and must be included in the work plan where non-zero-emissions technologies are part of the proposed project unless the engine is CARB certified and installed on a Commercial Harbor Craft.

The work plan should be in a format that shows a logical sequence of tasks with project deliverables easily identifiable. The Grantee and technology demonstrator will make available, at CARB's request, all information and data generated as part of the project that is described in the work plan and scope of work.

Sample Scope of Work and Project Schedule Plan Format

- Task 9.0 *Advanced Technology Emission Testing.* The purpose of this task is to perform preliminary off-road emission testing on an advanced technology and collect fuel usage data.
Deliverable: Quarterly Report
Due Date: At least every three months from start of project
- Task 9.1 *Advanced Technology Company* will install Portable Emissions Measurement Systems (PEMS) unit on equipment/vehicle and verify that the PEMS is operating normally.
Deliverable Description: Quarterly Report detailing lessons learned installation.
Due Date: June 1, 2024
- Task 9.2 *Advanced Technology Company* will calibrate PEMS unit for off-road testing and perform off-road testing and evaluate results.
Deliverable Description: Quarterly Report detailing results.
Due Date: September 1, 2024
- Task 9.3 *Advanced Technology Company* will begin sampling of exhaust emissions and fuel usage using PEMS and on-board Engine Control Module (ECM).
Deliverable Description: Quarterly Report detailing
Due Date: December 1, 2024
- Task 9.4 *Advanced Technology Company* will collect emissions data from PEMS and fuel usage data from engines ECM.
Deliverable Description: Quarterly Report detailing lessons learned installation.
Due Date: June 1, 2024

Task 9.5 *Advanced Technology Company* will evaluate emissions and fuel usage data and prepare report on emissions and fuel usage to Grantee.
Deliverable Description: Emission and Fuel Usage Report
Due Date: June 30, 2025

ATTACHMENT 3: EMISSION REDUCTIONS AND COST-EFFECTIVENESS CALCULATIONS

The applicant must use the methodology in Appendix D to determine emission reductions and cost-effectiveness of proposed projects and include the calculations and results here. Appendix D has two parts, one is an Excel spreadsheet that should be able to do most of the needed calculations and the other part includes Quantitative Methodologies to calculate emission reductions using examples. All references and variables used that are not included in Appendix D must be cited and explained. All calculations and assumptions made must be shown clearly and in their entirety. SHOW ALL MATH used in calculations where the spreadsheet calculator is not used, ensuring all inputs that are used in the spreadsheet calculator are present. If the spreadsheet calculator does not accurately account for the project, then use CARB approved Quantitative Methodology that can be found on the CCI Quantification, Benefits, and Reporting Materials website: <https://ww2.arb.ca.gov/resources/documents/cqi-quantification-benefits-and-reporting-materials>. Use the methodology found in the approved Quantitative Methodologies for your calculations and show all math used in those calculations, if the math is not described accurately your application could be rejected or score reduced. Use updated emission and carbon intensity numbers also found on the above website. Inaccurate calculations could result in disqualification.

The GHG emission reductions are to be based on life cycle analysis (well to wheel) and calculated in tons of carbon dioxide (CO₂) equivalent¹ reduced per year. Combined weighted criteria pollutant and particulate matter (PM) emission reductions are to be based on exhaust emissions (tank to wheel) and calculated in tons reduced per year. Weighted emission reductions are calculated by emission reductions (NO_x) + emission reductions (ROG) + 20 * emission reductions (PM_{2.5})

Eight cost-effectiveness calculations are required as follows:

1. Dollars per metric ton of GHG emissions (in CO₂ equivalent) reduced during the actual proposed project over a two-year operational timeline for each vehicle, vessel and piece of equipment proposed to be part of the project.
2. Dollars per metric ton of GHG emissions (in CO₂ equivalent) reduced, two years after the conclusion of the proposed project and based on a 10year useful life for each vehicle, vessel, and piece of equipment.
3. Dollars per ton of combined criteria pollutant and weighted PM emissions reduced during the actual proposed project over a 2 -year operational timeline for each vehicle, vessel, and piece of equipment.

¹ "CO₂ equivalent" means the number of metric tons of CO₂ emissions with the same global warming potential as one metric ton of another GHG.

4. Dollars per ton of combined criteria pollutant and weighted PM emissions reduced two years after the conclusion of the proposed project and based on a 10-year useful life for each vehicle, vessel, and piece of equipment.
5. Dollars per metric ton of GHG emissions (in CO₂ equivalent) reduced during the actual proposed project over a 2-year operational timeline that includes the project in its entirety.
6. Dollars per metric ton of GHG emissions (in CO₂ equivalent) reduced, two years after the conclusion of the proposed project and based on a 10-year useful life that include the project in its entirety.
7. Dollars per ton of criteria pollutant and toxic air contaminate emissions reduced during the actual proposed project over a 2-year operational timeline that includes the project in its entirety.
8. Dollars per ton of criteria pollutant and toxic air contaminate emissions reduced during the actual proposed project two years after the conclusion of the proposed project and based on a 10-year useful life that include the project in its entirety.

ATTACHMENT 4: PROPOSED BUDGET, PROJECT MILESTONES AND DISBURSEMENT SCHEDULE

Proposed Budget

The Proposed Budget, refer to sample budget on page A-9, must include all estimated labor, material, equipment, construction, and installation costs associated with the project, including but not limited to:

1. Requested administrative funds and description of any applicable commitments of cash or match funding for administrative expenses.
2. Requested project-related funds for:
 - a) Production and/or deployment of project equipment, vehicles, or vessels.
 - b) Site preparation, construction and installation of associated infrastructure needed to support project equipment, vehicles, or vessels.
 - c) Construction of funded renewable power generation and storage systems.
 - d) Education and outreach.
 - e) Workforce development.
 - f) Other funded activities that are part of the proposed project.
3. Committed cash and in-kind match for:
 - a) Production and/or deployment of equipment, vehicles, or vessels.
 - b) Site preparation, construction and installation of associated infrastructure needed to support project equipment, vehicles, or vessels.
 - c) Construction of funded renewable power generation and storage systems.
 - d) Education and outreach, and workforce training and development.
 - e) Other funded activities that are part of the proposed project.

The Solicitation has a cost share requirement, as described in the Required Match Funds section of the Solicitation, of which 10 percent must be cash committed by the project team. Please be as specific as possible when describing cash or in-kind match services (i.e., itemize staff time, equipment, consumables, or other costs that are being committed).

Cash match can include cash contributions to the project by the applicant or project partner(s); cash contributions from Federal funding sources, non-Greenhouse Gas Reduction Funds, State funding sources, Local funding sources, and private sources; administrative and project-related labor expenses; and equipment, materials, and fuel purchased specifically for the project. All work associated with cash match contributions must be applied after the Grant Agreement has been fully executed.

In-kind match refers to materials, equipment, and services provided by project partners and made available to the project (i.e., access to existing hydrogen fueling

station, equipment transportation). In-kind match can also include funding that is awarded to a member of the project team and will be used as part of the proposed project. Funds from GGRF, except CORE funding are not allowed to be used as match.

Project Milestones and Disbursement Schedule

The Project Milestones and Disbursement Schedule must follow the format described in Exhibit B Attachment II in the sample Grant Agreement (see Appendix B) and illustrated in the Sample Budget and Sample Project Milestones and Disbursement Schedule later in this appendix. Milestones must be linked to specific tasks and deliverables detailed in the Scope of Work and Project Schedule and illustrated in the Sample Budget and Sample Project Milestones and Disbursement Schedule later in this appendix. All disbursement amounts must be tied to a milestone; however, it is not necessary for every milestone to be paired with a disbursement request.

The following conditions apply to the Proposed Budget and the Project Milestones and Disbursement Schedule:

1. Administrative expenses, both match and grant funded, must be described as either time-and-materials with detailed labor rates, or described as a work product deliverable (i.e., quarterly report, project management plan, etc.).
2. Any labor rate adjustments must be included in the proposed budget detail for the entire project term. Labor rates may not be increased at any time from those identified in the application. Include any expected annual increases in labor rate adjustment in the application.
3. All project partners must participate in the development of the proposed budget and the Project Milestones and Disbursement Schedule and agree to be bound by it for the duration of the project. Any expectation of cost of living increases or increases in costs for project administration due to inflation or other reasons need to be included in the proposed budget along with rationalization for any increases in administrative costs. Regardless of any proposed increases in costs due to cost of living, inflation, or other reasons the total amount of funding for a proposed project might be altered, proposed budgets will not exceed the awarded total amount once the grant agreement is executed.
4. If the project uses assets that have been or will be funded in whole or part by other public incentive programs and that are still under contractual obligations, their incentive program status must be clearly identified in the Project Narrative.

5. **All milestones are expense reimbursements. Expenses must be incurred before payment of grant funding. Purchase orders are not sufficient for reimbursement.**
6. Reimbursement for the final report must be at least 10 percent of the requested administrative budget or \$10,000, which ever amount is greater.

Sample Proposed Budget

The Sample Proposed Budget may be copied or recreated as needed.^{2,3}

(Numbers are provided for illustrative purposes only. Applicant may modify this sample budget to meet their specific needs. This page may also be edited, or deleted if not used)

TASK 1 – PROJECT ADMINISTRATION					
Direct Labor plus Expenses		Grant	Match Funding		
Position/Classification	Hourly rate	CARB	Cash	In-Kind	Total
Program Manager	\$200	\$10,000	\$2,000		\$12,000
Project Manager	\$150	\$45,000	\$15,000		\$60,000
Technician	\$80	\$40,000	\$8,000		\$48,000
Accountant	\$80	\$16,000	\$3,200		\$19,200
Clerical	\$60	\$24,000	\$3,000		\$27,000
Labor Subtotal		\$135,000	\$31,200		\$166,200
Direct Costs (non-labor)					
Travel Costs	N/A	\$20,000		\$20,000	\$40,000
Equipment and Supplies	N/A			\$5,000	\$5,000
Other Direct Costs	N/A	\$5,000	\$5,000	\$5,000	\$15,000
Task 1 subtotal		\$160,000	\$36,200	\$30,000	\$226,200
TASK 2 – TECHNOLOGY DESIGN AND BUILD					
Project Costs ⁴	N/A				
Task 2.1-Purchase orders	N/A		\$80,000	\$20,000	\$100,000
Task 2.2-Parts delivered	N/A	\$2,000,000			\$2,000,000
Task 2.3-Assembly	N/A	\$1,500,000	\$500,000		\$2,000,000
Task 2.4-Test and certify	N/A	\$1,000,000		\$500,000	\$1,500,000
Task 2 subtotal		\$4,500,000	\$580,000	\$520,000	\$5,600,000
TASK 3 – TECHNOLOGY DEMONSTRATION					
Direct Labor					
Project Manager	\$150	\$30,000			\$30,000
Technician	\$80	\$40,000			\$40,000
Labor subtotal		\$70,000			\$70,000
Direct costs-Travel/Supplies		\$50,000			\$50,000
Project Costs					
Task 3.1-Vehicle operation	\$80		\$500,000		\$500,000
Task 3.2-Data collection	N/A	\$200,000	\$100,000		\$300,000
Task 3 subtotal		\$320,000	\$600,000		\$920,000
Total All Tasks		\$4,980,000	\$1,216,200	\$550,000	\$6,746,200
			% of total		
Total Grant Request to CARB		\$4,980,000	74%		
Administration Portion of Request		\$226,200	4.5%		
Cash Match		\$1,216,200	18%		
In-Kind Match		\$550,000	8%		

² Hourly rates must include direct labor plus overhead and fringe benefits. Any adjustments to hourly rates that may occur over the term of the project must be detailed in the project budget and explained in the application.

³ Provide additional detail, as necessary, to show cost break down by task, subtask, and project partner.

⁴ Example assumes that Task 2 will be invoiced based on completion of work product deliverables.

Sample Project Milestone and Disbursement Schedule

Milestone	Task Description	Project Funding		Match Funds	
		Project Funds	Administrative Funds	Cash	In-Kind
1	Conduct Kick-Off Meeting. Task 1.1 ^a	\$0	\$20,000	\$0	\$0
2	Status updates and quarterly progress reports. Task 1.2 ^a	\$0	\$150,000	\$0	\$0
...
7	Execute purchase orders. Completion of Task 2.1 ^b	\$0	\$0	\$0	\$0
8.1	Part #1 delivered. Completion of Task 2.2.1 ^b	\$500,000	\$0	\$75,000	\$0
8.2	Part #2 delivered. Completion of Task 2.2.2 ^b	\$700,000	\$0	\$0	\$0
...
9.1	A, B & C assembled. completion of Task 2.3.1 ^b	\$0	\$0	\$15,000	\$20,000
9.2	D, E & F assembled. Completion of Task 2.3.2 ^b	\$0	\$0	\$0	\$0
...
10	Vehicle deployment. Task 3.1	\$0	\$0	\$10,000	\$0
11	Data collection. Task 3.2 ^b	\$200,000	\$0	\$0	\$5,000
12	Oversight of Tasks 3.1 and 3.2 ^a	\$120,000	\$0	\$0	\$0
13	Draft Final Project Report: Completion of Task 1.4	\$0	\$0	\$0	\$0
14	Final Project Report. Completion of Task 1.5 ^b	\$0	\$22,620	\$0	\$0
Subtotal of Project Funds and Administrative Funds		\$	\$	\$	\$
Grant Total Funding Amount		\$			

a) Indicates that work to be invoiced on a time-and-materials basis but not to exceed the total amount for the specific Milestone.

b) Indicates that disbursement will include the total dollar amount for that Milestone contingent upon completion of a specific task supported with a deliverable (as detailed in the Project Schedule).

ATTACHMENT 5: PRIORITY POPULATION ELIGIBILITY DETERMINATION

Some projects for this solicitation must benefit priority populations to be eligible for funding while others will score higher if they benefit priority populations. Refer to Section VIII: Eligible Projects for specific requirements for each eligible project category. Applicants must show whether the demonstration project is at a physical address in a priority population, and if the project benefits a priority population.

Priority population community status is determined using CCI's Priority Population Map. This map shows priority populations as defined for CCI and based on the CalEnviroScreen 4.0⁵ screening tool, taking into account eligible low-income communities. CalEnviroScreen is a screening methodology that is used to help identify California communities that are disproportionately burdened by multiple sources of pollution. CCI's Priority Population Map gives scores to every census tract in the state. Those census tracts in the 75th percentile or higher are identified as disadvantaged communities. Low-income communities are defined as the census tracts that are either at or below 80 percent of the statewide median income. CCI's Priority Population Map can be found at:

<https://ww3.arb.ca.gov/cc/capandtrade/auctionproceeds/communityinvestments.htm>

Projects will be considered as benefitting a priority population if it meets at least one of the following criteria focused on reducing air pollution for priority population residents:

1. Projects that provide incentives for advanced technology equipment or vehicles that are registered in a census tract that contains a priority population, have a domicile address in a census tract that contains a priority population, or are operated more than 50 percent of the time in a census tract or tracts that contains a priority population.
2. Projects that provide incentives for advanced technology equipment or vehicles that provide meaningful criteria air pollutant or toxic air contaminant emission reductions in a census tract or tracts that contains a priority population.

If a facility is partially located in a priority population community, then the project located at that facility is, regardless of the exact site location, considered located in a priority population community.

Applicants are required to make an affirmation in their application Project Narrative (Appendix A, Attachment 3) as to how the proposed project meets the criteria of benefitting a priority population and the reason that criteria has been satisfied, including any site- or route-specific information used to make that determination.

⁵ CalEnviroScreen 4.0, <https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40>

ATTACHMENT 6: PROCEDURES FOR HANDLING CONFIDENTIAL INFORMATION

How CARB Handles Confidential Information

CARB prefers that you do not include confidential information (e.g., trade secrets) in your proposal. However, if you find it necessary to include such information, **clearly label each page as "Confidential"**, and submit under a separate cover. To the extent allowed by applicable state law, CARB will seek to protect confidential information (see Title 17, California Code of Regulations, section 91000, et seq.). However, because of the legal requirements for disclosure of some kinds of information, applicants are advised that CARB cannot provide an absolute guarantee that all material designated as confidential will not be disclosed to the public. Also, the State cannot accept legal liability for such disclosure. If such restrictions are not acceptable to you, **DO NOT INCLUDE CONFIDENTIAL MATERIAL IN YOUR PROPOSAL.**

ATTACHMENT 7: LETTERS OF COMMITMENT

Include letters of commitment from partners, subcontractors, community groups that are part of the project team etc., as appropriate to complete the application. Letters of support or commitment from terminal operators and classification societies should also be submitted.

IMPORTANT NOTICE—PLEASE READ THIS: Members of CARB advisory groups cannot be Applicants, Community Partners, contractors, subcontractors, consultants or members of the Project Team; cannot provide letters of support or references; cannot be signatories to the Application, the Grant Agreement or any other related contracts; cannot be listed as any of the persons completing tasks in the scope of work; cannot have any role in or influence over this Solicitation or the application review or selection process; and, cannot communicate with CARB regarding CARB's decision on the applications received. If a CARB advisory group member makes any prohibited appearance or communication subject to Government Code section 87104 as described above, the application will be disqualified and will not be eligible for an award.

ATTACHMENT 8: CALIFORNIA ENVIRONMENTAL QUALITY ACT WORKSHEET

This attachment must be submitted as part of the application if the project proposal includes proposed infrastructure installation. Additional information regarding this requirement is available in Appendix E. Please ensure you have fully reviewed Appendix E prior to answering all questions in the sample worksheet below, as it provides helpful context regarding the environmental review requirements and process that may apply to your project proposal, and further describes the information and documentation that CARB needs from applicants to complete its review of submitted applications.

The California Environmental Quality Act (CEQA) (Public Resources Code §§ 21000 et seq.) requires public agencies to identify the significant environmental impacts of their actions and to avoid or mitigate them, if feasible.⁶ Under CEQA, an activity that may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment is called a “project” (Public Resources Code § 21065). Agency compliance with CEQA may include preparing a Notice of Exemption or conducting an Initial Study and preparing a Negative Declaration, a Mitigated Negative Declaration, or, if there are significant impacts, an Environmental Impact Report.

The Lead Agency is the public agency that has the greatest responsibility for preparing environmental documents under CEQA, and for carrying out, supervising, or approving a project. Where the grant recipient is a public agency, the Lead Agency is typically the recipient. Where the grant recipient is a private entity, the Lead Agency is the public agency that has greatest responsibility for supervising or approving the project.⁷ When issuing contracts, grants, or loans, the California Air Resources Board (CARB or Board) is typically a “Responsible Agency” under CEQA, which means that it may make its own CEQA findings based on review of the Lead Agency’s environmental documents. If CARB is the only public agency with responsibility for approving the project, then CARB may act as the Lead Agency and prepare its own environmental documents (based on analysis provided by the applicant).

This worksheet will help CARB and the CEC determine what kind of CEQA review, if any, is necessary, and which agency will be performing that review as a Lead Agency. No project can be selected, nor can any grant be executed, until the CEQA requirements have been satisfied.

⁶ To view frequently asked questions and answers about CEQA, please visit <https://ww2.arb.ca.gov/our-work/programs/resource-center/strategy-development/ceqa-resources>.

⁷ 14 CCR §§ 15050, 15051. The Lead Agency typically has general governmental powers (such as a city or county), rather than a single or limited purpose (such as an air pollution control district).

Please answer all questions in the sample worksheet below as completely as possible. This sample worksheet may also help you to think through the CEQA process necessary for your proposed project. CARB may request additional information in order to clarify responses provided on this worksheet.

1. Please provide a detailed summary below of the proposed project and project location (use additional sheets if necessary):

2. What are the physical aspects of the project? (Check all that apply and provide brief description of work, including any size or dimensions of the project.)

Additionally, please provide site layout figure(s) showing locations of new or modified infrastructure, trenching, grading, paving, etc. Such figure(s) need not be engineering-grade but should show the locations of the anticipated project components at the site. (Attach additional sheets as necessary.)

Project Aspect	Yes	No	Description of Project Aspect
Ground disturbance (including grading, paving, trenching, etc.) Provide length and depth, and describe whether the area(s) to be disturbed are previously disturbed.			
New or replaced pipelines			
Construction of underground facilities (including tanks)			
Modification or conversion of a facility, or construction of new or modified structures			
New or modified operation of a facility or equipment			
Off-road demonstration			

EV infrastructure (how many, what kind, approximate dimensions)			
Alternative gas station (how many, what kind, approximate dimensions)			
Electrical infrastructure			
Solar component (extent of and general location at project site)			
Paper study (including analyses on economics, feedstock availability, workforce availability, etc.)			
Laboratory research			
Temporary or mobile structures (skid-mounted)			
Design/Planning			
Other (describe and add pages as necessary)			

Sample

3. Where is the project located or where will it be located? (Attach additional sheets as necessary.)

Address	County	Type of Work to Be Completed at Site

4. Will the project potentially have environmental impacts that trigger CEQA review? (Check a box and explain the answer for each question. Additionally, please provide a complete description of any direct physical changes and reasonably foreseeable indirect changes to the environment that may result from the project. Please provide as much detail as possible. You may provide additional information on supplemental pages as necessary.)

Question	Yes	No	Don't Know	Explanation
Is the project site environmentally sensitive?				
Is the project site on agricultural land?				
Is the land on which the project will be built previously disturbed? If so, please provide detail on how the land was previously disturbed (i.e., whether it is paved and/or graded).				
Is this project part of a larger project?				
Is there public controversy about the proposed project or larger project?				
Will historic resources or historic buildings be impacted by the project?				
Is the project located on a site the Department of Toxic Substances Control and the Secretary of the Environmental Protection Agency have identified as being affected by hazardous wastes or cleanup problems?				
Will the project generate noise or odors in excess of permitted levels?				
Will the project increase traffic at the site and by what amount?				

Sample

Question	Yes	No	Don't Know	Explanation
Is the project expected to result in environmental impacts to any other resource area (e.g., air quality, aesthetics, water quality)? (Add pages as necessary.)				

5. Will the project require discretionary permits or determinations, as listed below?

Type of Permit	No	Modified	New	Approving Agency	Reason for Permit, Summary of Process, and Anticipated Date of Issuance
Air Quality Permit					
Water Quality Permit					
Conditional Use Permit or Variance					
Building Expansion Permit					
Hazardous Waste Permit					
Rezoning					
Authority to Construct					
California Coastal Commission					
California Land Commission					
Bay Conservation and Development Commission					

Sample

Type of Permit	No	Modified	New	Approving Agency	Reason for Permit, Summary of Process, and Anticipated Date of Issuance
Other Permits (List types)					

6. Of the agencies listed in #4, have you identified and contacted the public agency who will be the lead CEQA agency on the project?

Yes. Provide the name and contact information for the lead agency.

No. Explain why no contact has been made and/or a proposed process for contacting the lead agency.

Sample

7. If you identified an agency with discretionary approval authority over the project (see Item 4 above), has the public agency prepared environmental documents (e.g., Notice of Exemption, Initial Study/Negative Declaration/Mitigated Negative Declaration, Environmental Impact Report, Notice of Determination) under CEQA for the proposed project?

Yes. If yes, please complete the following and attach the CEQA document to this worksheet. (For "Not a project," the title of the document may be an e-mail, resolution, or letter.)

Type of Environmental Review	Title of Environmental Document (Attach the document to this form)	State Clearinghouse Number	Completion Date	Planned Completion Date (must be before approval of grant)
"Not a project" Email Letter Resolution Other:		N/A		N/A
Exempt (Resolution of public agency or Agenda Item approving Exemption)		N/A		N/A
Exempt (Notice of Exemption)		N/A		
Initial Study				
Negative Declaration				
Mitigated Negative Declaration				
Notice of Preparation				
Environmental Impact Report				
Master Environmental Impact Report				
Notice of Determination				

Sample

Type of Environmental Review	Title of Environmental Document (Attach the document to this form)	State Clearinghouse Number	Completion Date	Planned Completion Date (must be before approval of grant)
NEPA Document (Environmental Assessment, Finding of No Significant Impact, and/or Environmental Impact Statement)				

No. Explain why no document has been prepared. Propose a process for obtaining lead agency approval and estimated date for that approval (must occur before CARB will approve the grant).

Sample

Certification: The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned hereby represents, warrants, certifies and declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this application package are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

Name: _____

Title: _____

Signature: _____

Phone Number: _____

Email: _____

Date: _____

Sample

ATTACHMENT 9: APPLICANT RESOURCES

1. **Qualifications Narrative:** Please provide an attachment describing your experience/expertise developing, implementing, or administering similar demonstration or pilot projects and working with equipment manufacturers, technology providers, and other stakeholders; identify how this background will enable you to implement the Advanced Technology Demonstration and Pilot Projects efficiently and effectively. This narrative should not exceed two pages.
2. **Staff Information:** Include information for each staff member to be involved in developing, implementing, or administering the Advanced Technology Demonstration and Pilot Projects. Clearly identify staff proposed for day-to-day project implementation. Attach résumés and do not include personal information such as personal phone numbers, home addresses or email addresses.

ATTACHMENT 10: REFERENCES

IMPORTANT NOTICE—PLEASE READ THIS: Members of CARB advisory groups cannot be Applicants, Community Partners, contractors, subcontractors, consultants or members of the Project Team; cannot provide letters of support or references; cannot be signatories to the Application, the Grant Agreement or any other related contracts; cannot be listed as any of the persons completing tasks in the scope of work; cannot have any role in or influence over this Solicitation or the application review or selection process; and, cannot communicate with CARB regarding CARB’s decision on the applications received. If a CARB advisory group member makes any prohibited appearance or communication subject to Government Code section 87104 as described above, the application will be disqualified and will not be eligible for an award.

Provide THREE (3) (preferably more) Professional References

For Each Reference Provide:

Business Name of Reference:

XXX

Business Address of Reference:

XXX

The Type and Date of Relationship (e.g., contract, partnership):

XXX

Describe how these Business Relationships are similar to Applicant’s proposed relationship with CARB under the Grant Agreement:

XXX

Describe the Reasons for why this was a Successful Relationship:

XXX

Name of Reference(s):

XXX

Phone Number: XXX

Email Address:

XXX

CARB, including its authorized representatives, has full consent and permission to contact and interview each of the above references.

ATTACHMENT 11: CONFLICT OF INTEREST DECLARATION

All Applicants must disclose any conflict of interest that could be perceived to impact their ability to fulfill the duties and responsibilities set out in this Solicitation or the Grant Agreement. An Applicant selected as the Grantee will not be allowed to also be a grantee for any programs or projects that the Grantee supports, assists with, manages, administers, or oversees. The Applicant must immediately inform CARB of any current, ongoing, or pending direct or indirect interests that do or could pose an actual, apparent, or potential conflict of interest with the Applicant's ability to fulfill the duties and responsibilities set out in this Solicitation or the Grant Agreement. These may include, but are not limited to, financial arrangements with or interest(s) with product manufacturers, equipment suppliers or vendors, infrastructure installers, fuel manufacturers, fuel or electricity retailers, vehicle or equipment component manufactures or related organizations as well as membership in or financial arrangements with community-based organizations or committees or subcommittees. CARB may consider the nature and extent of any actual, potential, perceived, or apparent conflict of interest, including those discovered outside of the application, in evaluating, considering, or scoring the application, and may disqualify the Applicant based on such actual, potential, perceived, or apparent conflict of interest at CARB's sole discretion.

Applicant represents, warrants and agrees that all conflicts of interest, if any, have been fully disclosed to CARB in the submitted application.

The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this Declaration are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned hereby represents, warrants, certifies and declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this application package are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

Company Name (Lead Applicant and Sub-Applicants): XXX

Signature of Designated Authorized Representative: XXX

Name and Title of Authorized Representative: XXX

Date of Signature: XXX

ATTACHMENT 12: STD. 204 PAYEE DATA RECORD

Please fill out and submit as a part of this application the STD. 204 Payee Data Record:

<https://ww2.arb.ca.gov/resources/documents/payee-data-form-204>

This form is required, even if the applicant is a governmental entity. Applications that do not include this completed form will not be scored.

ATTACHMENT 13: COMPLIANCE WITH THE LAW

All applicants must disclose any claims against it of noncompliance with any U.S. EPA, CARB, or California air district laws, including a Notice of Violation, Citation, or litigation alleging noncompliance by the applicant, along with a copy of any of the government documents you have received alleging noncompliance. The applicant may explain the nature of the allegations against it and present any defenses. If the applicant has no such claims of noncompliance against it, the applicant shall so attest in its application.

CARB may consider the nature and extent of any alleged or proven noncompliance with U.S. EPA, CARB, or California air district law, or failure to disclose any alleged noncompliance with U.S. EPA, CARB, or California air district laws, including those discovered outside of the application, in evaluating, considering, or scoring the application, and may disqualify the applicant based on such noncompliance, at CARB's sole discretion.

Applicant represents, warrants, and agrees that all claims of noncompliance, if any, have been disclosed to CARB in its Application.

The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned hereby represents, warrants, certifies and declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this application package are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

Organization Name (Applicant): XXX

Signature of Designated Authorized Representative: XXX

Name and Title of Authorized Representative: XXX

Date of Signature: XXX

ATTACHMENT 14: INSURANCE ENDORSEMENT

With the Application, provide proof or evidence of existing insurance that covers the minimum insurance requirements set out in the sample Grant Agreement (Appendix B).

ATTACHMENT 15: ATTESTATION OF READINESS

APPLICANT'S ACKNOWLEDGEMENT THAT APPLICANT IS READY, WILLING AND ABLE TO MEET AND COMPLY WITH ALL THE TERMS AND CONDITIONS OF THE GRANT AGREEMENT (APPENDIX B)

Applicant accepts the terms and conditions of the attached Grant Agreement (Appendix B) in the same form, and is ready, willing, and able to comply with all such terms and conditions.

The undersigned declares that he or she is an official/agent of responding entity (the applicant) and is empowered to represent, bind, and execute contracts and other agreements on behalf of said entity.

The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned hereby represents, warrants, certifies and declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this application package are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

Organization Name (Applicant): XXX

Signature of Designated Authorized Representative: XXX

Name and Title of Authorized Representative: XXX

Date of Signature: XXX

ATTACHMENT 16: ATTESTATION OF DRAYAGE AND SHORT-HAUL LABOR COMPLIANCE

Assembly Bill 794 (Carrillo, Chapter 748, Statutes of 2021) establishes specific labor standards that fleet purchasers are required to meet in order to be eligible to receive incentive funding for new drayage and short-haul trucks. Please fill out and submit as a part of this application the Attestation of Drayage and Short-haul Labor Compliance Form:

<https://www.cazevlaborlawcompliance.org/s/submit-your-attestation>

When submitting the attestation, under the Business Information section, for the Funding Program dropdown, please select Other.

Applications that do not include this completed form will not be scored. This attestation must be resubmitted annually for the life of the project or three years, whichever is longer.

ATTACHMENT 17: NON-COLLUSION DECLARATION

I, XXX (insert name of person signing), XXX (insert title of person signing), on behalf of XXX (insert name of applicant), affirmatively state the following to be true and correct: the application is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; the application is genuine and not collusive or a sham; the submittal of the application has not directly or indirectly been induced by or solicited from any other applicant to put in a false or sham proposal; the applicant has not directly or indirectly colluded, conspired, connived, or agreed with any other applicant or anyone else to put in a sham application; the applicant has not in any manner directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposed fees or terms of the application or of any other application, or to fix any overhead, profit, or cost elements of the proposed fees or fee structure, or of that of any other applicant, or to secure any advantage against CARB or other applicants; all statements contained in the application are true and correct.

The undersigned declares that he or she is an official/agent of the responding Applicant and is empowered to represent, bind, and execute contracts and other agreements on behalf of the Applicant. The undersigned hereby represents, warrants, certifies and declares under penalty of perjury, under the laws of the State of California, that all statements and responses in this application package are true and correct, with full knowledge that all statements and responses are subject to investigation and that any incomplete, unclear, false or dishonest statements or responses may be grounds for rejection of the application, disqualification from this Solicitation process, termination of any or all executed Grant Agreements and/or other legal consequences.

Organization Name (Applicant): XXX

Signature of Designated Authorized Representative: XXX

Name and Title of Authorized Representative: XXX

Date of Signature: XXX