



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

HYBRID TECHNOLOGY COMMITTEE MEETING

Committee Members

Councilmember Carlos Rodriguez, Chair
Mayor Patricia Lock Dawson
Supervisor Andrew Do
Supervisor Curt Hagman
Mayor Larry McCallon
Board Member Veronica Padilla-Campos

November 17, 2023 ♦ 12:00 p.m.

TELECONFERENCE LOCATIONS

Yorba Linda Public Library Study Room 2 4852 Lakeview Avenue Yorba Linda, CA 92886	Riverside City Hall 7th Floor Conference Room 3900 Main Street Riverside, CA 92522
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A meeting of the South Coast Air Quality Management District Technology Committee will be held at 12:00 p.m. on Friday, November 17, 2023 through a hybrid format of in-person attendance in the Dr. William A. Burke Auditorium at the South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, and remote attendance via videoconferencing and by telephone. Please follow the instructions below to join the meeting remotely.

Please refer to South Coast AQMD's website for information regarding the format of the meeting, updates if the meeting is changed to a full remote via webcast format, and details on how to participate:

<http://www.aqmd.gov/home/news-events/meeting-agendas-minutes>

ELECTRONIC PARTICIPATION INFORMATION (Instructions provided at bottom of the agenda)

Join Zoom Meeting - from PC or Laptop

<https://scagmd.zoom.us/j/96669409722>

Zoom Webinar ID: 966 6940 9722 (applies to all)

Teleconference Dial In

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**Audience will be allowed to provide public comment in person
or through Zoom connection or telephone.**

PUBLIC COMMENT WILL STILL BE TAKEN

Cleaning the air we breathe...

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. All agendas for regular meetings are posted at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes total for all items on the agenda.

CALL TO ORDER

ROLL CALL

ACTION ITEMS (1-2):

- 1. Establish Special Revenue Fund, Recognize Revenue, Execute Contracts and Reimburse General Fund to Demonstrate Fuel Cell Locomotive and Deploy Heavy-Duty Truck Charging and Fueling Infrastructure** Mei Wang
Assistant Deputy
Executive Officer
(Motion Requested)
South Coast AQMD has been awarded up to \$76,250,003 from California State Transportation Agency's (CalSTA) Port and Freight Infrastructure Program to demonstrate a short line hydrogen fuel cell locomotive and deploy direct current fast chargers and hydrogen refueling dispensers. South Coast AQMD has also been allocated \$500,000 through the DOE through a FY 23 Congressional Direct Spending Request for the project. These actions are to: 1) establish the CalSTA Special Revenue Fund (89) and recognize, upon receipt, revenue up to \$76,250,003 from CalSTA and up to \$500,000 from DOE into Fund (89); 2) execute contracts with Wabtec Corporation for up to \$34,188,480 from CalSTA Special Revenue Fund (89) and Prologis Mobility LLC for up to \$38,930,570 from CalSTA Special Revenue Fund (89) and up to \$11,679,171 from MSRC Fund (23); and 3) reimburse the General Fund up to \$3,630,953 from CalSTA Special Revenue Fund (89) to administer these projects.

- 2. Issue Program Announcement and Execute Agreements for Zero Emission Infrastructure Projects** Tom Lee
Planning and Rules
Manager
(Motion Requested)
Zero emission infrastructure for medium and heavy-duty trucks is critical to support the transition to zero emission technologies. These actions are to: (1) Issue a Program Announcement to solicit applications for eligible infrastructure projects to support zero emission medium and heavy-duty vehicles and equipment in the South Coast Air Basin, and (2) execute agreements for eligible projects based on the results of the Program Announcement. Funding will be provided by the Carl Moyer Program Fund (32), AB 617 Community Air Protection Program Fund (77) and other funding sources as they become available.

3. Other Business

Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't. Code Section 54954.2)

4. Public Comment Period

At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

5. Next Meeting Date

Friday, December 15, 2023 at 12:00 p.m.

ADJOURNMENT

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available by contacting Penny Shaw Cedillo at 909.396.3179, or send the request to pcedillo@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Technology Committee meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to South Coast AQMD. Please contact Penny Shaw Cedillo at 909.396.3179 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to pcedillo@aqmd.gov.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

Please note: During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chair will announce public comment.

Speakers may be limited to a total of 3 minutes for the entirety of the consent calendar plus board calendar, and three minutes or less for each of the other agenda items.

A countdown timer will be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video ZOOM on a DESKTOP/LAPTOP:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of the screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for Video Zoom on a SMARTPHONE:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for TELEPHONE line only:

- If you would like to make public comment, please **dial *9** on your keypad to signal that you would like to comment.

Technology Committee Agenda #1

BOARD MEETING DATE: December 1, 2023

AGENDA NO.

PROPOSAL: Establish Special Revenue Fund, Recognize Revenue, Execute Contracts and Reimburse General Fund to Demonstrate Fuel Cell Locomotive and Deploy Heavy-Duty Truck Charging and Fueling Infrastructure

SNYOPSIS: South Coast AQMD has been awarded up to \$76,250,003 from California State Transportation Agency's (CalSTA) Port and Freight Infrastructure Program to demonstrate a short line hydrogen fuel cell locomotive and deploy direct current fast chargers and hydrogen refueling dispensers. South Coast AQMD has also been allocated \$500,000 through the DOE through a FY 23 Congressional Direct Spending Request for the project. These actions are to: 1) establish the CalSTA Special Revenue Fund (89) and recognize, upon receipt, revenue up to \$76,250,003 from CalSTA and up to \$500,000 from DOE into Fund (89); 2) execute contracts with Wabtec Corporation for up to \$34,188,480 from CalSTA Special Revenue Fund (89) and Prologis Mobility LLC for up to \$38,930,570 from CalSTA Special Revenue Fund (89) and up to \$11,679,171 from MSRC Fund (23); and 3) reimburse the General Fund up to \$3,630,953 from CalSTA Special Revenue Fund (89) to administer these projects.

COMMITTEE: Technology, November 17, 2023, Recommended for Approval

RECOMMENDED ACTIONS:

1. Establish the CalSTA Special Revenue Fund (89) and recognize, upon receipt, revenue up to \$76,250,003 from CalSTA and up to \$500,000 from DOE into Fund (89);
2. Authorize the Chair, or on the Chair's behalf, the Executive Officer, to execute contracts with:
 - a. Wabtec Corporation in an amount not to exceed \$34,188,480 to demonstrate a short line hydrogen fuel cell locomotive operating in and around Southern California, consisting of up to \$33,688,480 CalSTA funding and up to \$500,000 DOE funding from CalSTA Special Revenue Fund (89); and

- b. Prologis Mobility LLC. in amount not to exceed \$50,609,741 to deploy 376 direct current fast chargers and 19 hydrogen refueling dispensers at seven locations, consisting of up to \$38,930,570 from CalSTA Special Revenue Fund (89) and up to \$11,679,171 from MSRC Fund (23).
3. Reimburse the General Fund up to \$3,630,953 from CalSTA Special Revenue Fund (89) for administrative costs necessary to implement these projects.

Wayne Nastri
Executive Officer

AK:MW

Background

To help achieve federal ozone standards and reduce nitrogen oxides (NO_x), the 2022 AQMP showed the need to rapidly transition to zero emission technologies in the goods movement sector to reduce NO_x and PM_{2.5} emissions. In addition, the large diesel emission sources associated with the goods movement activities results in many neighboring communities having higher risks for cancer. The MATES V continued to show the highest cancer risk in communities near the San Pedro Bay Ports, along with those residing near freeways and intermodal facilities.

In January 2023, South Coast AQMD partnered with Prologis Mobility, LLC. and Wabtec Corporation to submit a proposal entitled “Freight Air Quality Solutions” (FAQS) to CalSTA under the 2022 Port and Freight Infrastructure Program (PFIP). The FAQS proposal included the deployment of direct current fast chargers (DCFC) and hydrogen refueling dispensers at seven locations to support zero emission drayage fleets and the demonstration of a short-line fuel cell locomotive that will transport cargo in and around Southern California, supporting the largest container port in the United States.

In July 2023, CalSTA awarded a PFIP grant to South Coast AQMD for FAQS project, followed by a kick-off meeting with CalSTA and project partners in September 2023. Also, in August 2023, the MSRC awarded Prologis Mobility LLC. \$11,679,171 to cost-share the deployment of DCFC and hydrogen refueling dispensers, and a FY23 Congressional Directed Spending request allocated \$500,000 to South Coast AQMD through the DOE to cost-share the fuel cell locomotive demonstration.

Proposal

This action is to establish the CalSTA Special Revenue Fund (89) to receive the \$76,250,003 award from CalSTA as well as \$500,000 from the DOE for the purpose of administering the FAQS project.

This action is to also authorize the execution of a contract with Prologis Mobility, LLC., one of the world's largest real estate logistics firms, for an amount not to exceed \$50,609,741 to deploy 376 DCFCs and 19 hydrogen refueling dispensers at 7 locations, including Compton, Commerce, Long Beach, Ontario, Rancho Cucamonga, Van Nuys, and Vernon. All the sites will have battery energy storage systems and on-site power generation provided by linear generators to create a resilient network. This part of the FAQs project is expected to initially support 2,100 zero emission trucks and potentially support a larger zero emission truck population of 16,000 trucks operating in the South Coast Air Basin.

This action is to also authorize the execution of a contract with Wabtec Corporation, one of the leading freight locomotive providers globally, for an amount not to exceed \$34,188,480, to design, develop, and demonstrate a short line liquid hydrogen fuel cell locomotive operating in and around Southern California ports. The locomotive will be fully built, commercially tested, validated, and demonstrated by a rail operator.

Sole Source Justification

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which sole source award may be justified and section VIII.B.3 identifies four major provisions under which contracts funded in whole or in part with federal funds may be made as a sole source award. The request for sole source awards for the Wabtec and Prologis contracts is made under provision B.2.d.(1) Projects involving cost sharing by multiple sponsors. The proposed projects will include in-kind contributions and cost-share by Wabtec, Prologis, DOE and MSRC. Additionally for the Wabtec contract, the request for sole source award is made under B.3.c, which states the awarding federal agency or pass-through entity expressly authorizes non-competitive proposals in response to a written request from the non-Federal entity.

Benefits to South Coast AQMD

South Coast Air Basin is classified as an "extreme" nonattainment area for ozone under the Federal Clean Air Act. Successful deployment of chargers and fuel dispensers and the demonstration of fuel cell locomotive will help reduce Ozone and PM2.5 air pollution. The project supports the Technology Advancement Office Clean Fuel Program 2023 Plan Update under the categories of "*Electric/Hybrid Technologies*," "*Hydrogen/Mobile Fuel Cell Technologies*," and "*Zero Emission Infrastructure*." The annual reductions of 632 tons of NOx, 1.7 tons of PM2.5 and 147,104 tons of CO2 can be expected from these projects.

Resource Impacts

The contract with Prologis Mobility, LLC. to deploy chargers and hydrogen fueling dispensers will not exceed \$50,609,741. This includes up to \$38,930,570 from the

CalSTA Special Revenue Fund (89) and up to \$11,679,171 from MSRC Fund (23). The proposed project cost-share is shown in the table below:

Funding Source	Funding Amount	Percent
CalSTA	\$38,930,570	20
MSRC	\$11,679,171	6
Prologis Mobility LLC.	\$144,043,107	74
Total	\$194,652,848	100

The contract with Wabtec Corporation for the demonstration of the fuel cell locomotive will not exceed \$34,188,480 from the CalSTA Special Revenue Fund (89). This includes CalSTA funding of up to \$33,688,480 and DOE funding from a Congressional Directed Spending request of up to \$500,000. The proposed project cost-share is shown in the table below:

Funding Source	Funding Amount	Percent
CalSTA	\$33,688,480	80
DOE	\$500,000	1.2
Wabtec Corporation	\$7,922,119	18.8
Total	\$42,110,599	100

Up to \$3,630,953 will be reimbursed to the General Fund from CalSTA Special Revenue Fund (89) for administrative costs necessary to implement these projects.

Agenda Item #1

Establish Special Revenue Fund,
Recognize Revenue, Execute Contracts
and Reimburse General Fund to Demonstrate
Fuel Cell Locomotive and Deploy Heavy-Duty
Truck Charging and Fueling Infrastructure

Mei Wang

Background

California State Transportation Agency (CalSTA)
funding solicitation- Port and Freight Infrastructure
Program:



- Directed by Governor's Executive Order
- Support port operations, goods movement and reduce Air pollution and greenhouse gas emissions
- \$1.2 billion for port and freight infrastructure
- Improve capacity safety, efficiency and resilience of good movement to, from and through CA ports

Background

- CalSTA application submitted in January 2023
 - Requested \$76 million
 - Partners
 - Wabtec - Hydrogen fuel cell locomotive demonstration
 - Prologis – Infrastructure supporting zero emission trucks
- Awarded in July 2023
- MSRC contribution \$11.68 million
- FY 2023-24 congressional allocation of \$500,000 through Department of Energy (DOE)



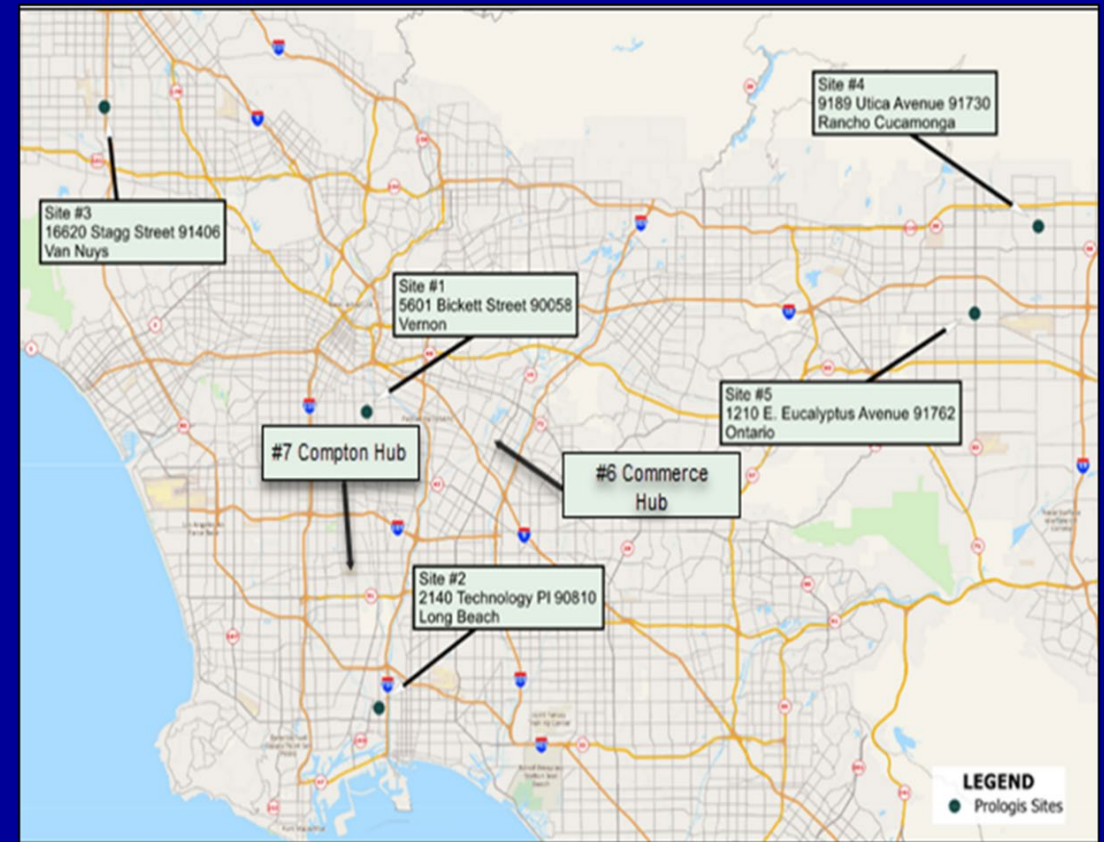
Proposal – Hydrogen Fuel Cell Locomotive

- Liquid hydrogen fuel cell locomotive demonstration
 - Cargo transporting short line rail
 - Operate around Ports of Long Beach and Los Angeles
 - Accelerate scalability of zero emission locomotive
 - Safety and commercial testing
- Deploy in 2027



Proposal – ZE Truck Infrastructure

- Seven Prologis infrastructure sites supporting zero emission trucks
 - 376 chargers
 - 19 hydrogen fueling dispensers
 - Battery energy storage
 - Linear generators
- Support 2,100 to 16,000 zero emission trucks in South Coast Air Basin
- Commissioning in 2025



Resource Impacts

Project Fund Source(\$)	Fuel Cell Locomotive	ZE Infrastructure
CalSTA Award	\$33,688,480	\$38,930,570
<i>MSRC</i>	-	\$11,679,171
Partners Cost-Share	\$7,922,119	\$144,043,107
DOE	\$500,000	-
Total Project Cost	\$42,110,599	\$194,652,848

Recommended Actions

- Establish CalSTA Special Revenue Fund (89) and recognize, upon receipt: \$76,250,003 from CalSTA and \$500,000 from DOE into Fund 89
- Execute contracts:
 - Wabtec Corporation for up to \$34,188,480 from Fund 89
 - Prologis Mobility LLC. for up to \$50,609,741 from Funds 89 and 23
- Reimburse General Fund up to \$3,630,953 from Fund 89 for the administrative costs necessary to implement this project

Technology Committee Agenda #2

BOARD MEETING DATE: December 1, 2023

AGENDA NO.

PROPOSAL: Issue Program Announcement and Execute Agreements for Zero Emission Infrastructure Projects

SYNOPSIS: Zero emission infrastructure for medium and heavy-duty trucks is critical to support the transition to zero emission technologies. These actions are to: (1) Issue a Program Announcement to solicit applications for eligible infrastructure projects to support zero emission medium and heavy-duty vehicles and equipment in the South Coast Air Basin, and (2) execute agreements for eligible projects based on the results of the Program Announcement. Funding will be provided by the Carl Moyer Program Fund (32), AB 617 Community Air Protection Program Fund (77) and other funding sources as they become available.

COMMITTEE: Technology, November 17, 2023; Recommended for Approval

RECOMMENDED ACTIONS:

1. Issue, and if necessary, re-issue Program Announcement (PA) #PA2024-02 to solicit infrastructure projects that support zero emission heavy duty vehicles and equipment using the Carl Moyer Program Guidelines, with a targeted funding level of up to \$200 million.
2. Based on the results of the PA, authorize the Chair (or by the Chair's designation, the Executive Officer) to execute agreements with selected applicants for eligible projects that can be completed in 2024 from the Carl Moyer Program Fund (32).

Wayne Nastri
Executive Officer

AK:MW:TL

Background

In order to achieve federal air quality targets for ozone and fine particulate matter, the goods movement sector needs to transition to zero-emission technologies where feasible. The 2022 Air Quality Management Plan cites the development of incentive programs to

subsidize deployment of zero-emission infrastructure as an important mobile source control measure. In addition, California is taking unprecedented steps to reduce toxic and climate change air pollution emitted from mobile sources. The Governor's Executive Order, N-79-20, set an ambitious target for the transportation and goods movement sectors that places the state on a path to carbon neutrality by 2045. The California Air Resources Board has adopted the Advanced Clean Truck (ACT) Rule and the Advanced Clean Fleet (ACF) Rule to help with air quality and achieve the State's zero-emission goals for medium- and heavy-duty trucks.

While there is significant regulatory emphasis on vehicles and equipment to move towards zero-emission technology, equal emphasis must be placed on the development of a robust network of charging and hydrogen refueling infrastructure. Funding for infrastructure projects will enable the deployment of zero-emission equipment, provide shore power for marine vessels, and create robust supporting network for the zero-emission equipment.

Proposal

The action is to issue Program Announcement (PA) #PA2024-02 to solicit applications for infrastructure projects supporting zero-emission vehicles and equipment that can be funded in the near and longer term. Up to \$200 million may potentially be available for this PA. For eligible projects that can be completed in 2024, the funding source will be the Carl Moyer Program Fund (32) to ensure that Carl Moyer Program Fund liquidation deadlines are met. For eligible projects that will be completed after 2024, the funding sources will be from Carl Moyer Program Fund (32), AB 617 Community Air Protection Program Fund (77) and other funding sources as they become available, such as awards from federal grant programs, funds received through South Coast AQMD's Warehouse Indirect Source Rule 2305, and remediation funds received through CARB's At Berth regulation.

The Carl Moyer Program Guidelines approved by CARB on April 27, 2017, and any subsequent updates or changes, will be utilized for the evaluation of the infrastructure projects submitted under this solicitation. Applicants will be able to submit their applications online. This is a competitive solicitation and will close two months after it opens, and it can be re-opened any time thereafter if more funding becomes available. Near-term projects will be prioritized and expedited.

Additionally, this action is to authorize the Chair, or by the Chair's designation, the Executive Officer, to execute agreements using the Carl Moyer Program Fund (32) for eligible projects that can be completed in 2024 based on the results of the PA. South Coast AQMD staff will return to the Governing Board to seek approval for eligible projects that will be completed after 2024.

It is anticipated that several different funding sources will be used to make awards under this PA. The use of several funding sources is anticipated; however, funding will likely still be limited and the South Coast AQMD will also partner with applicants through submissions received under this PA to pursue funding under federal and/or state grant funding opportunities.

Outreach

In accordance with South Coast AQMD's Procurement Policy and Procedure, a public notice advertising the PAs and inviting applicants will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential applicants may be notified utilizing South Coast AQMD's own electronic listing of certified minority vendors. Notice of the PAs will be emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at South Coast AQMD's website (<http://www.aqmd.gov>) where it can be viewed by making menu selection "Grants & Bids." South Coast AQMD will post pre-recorded presentations and host meetings to provide program information and application assistance for applicants interested in participating in the Carl Moyer Program. Also, to the extent possible, staff will conduct additional in-person outreach to potential applicants through community outreach and engagement.

Benefits to South Coast AQMD

Successful implementation of supporting zero-emission projects is essential in deploying zero-emission equipment in the goods movement sectors. The infrastructure equipment funded under this PA will operate for many years, providing charging and fueling for zero-emission vehicles and equipment that will reduce emissions in the South Coast Basin.

Resource Impacts

The Carl Moyer Program Guidelines include the requirement that at least 50 percent of the program funds be expended on projects that will reduce emissions in disproportionately impacted areas, which is tracked on a cumulative basis for all air districts. At least half of the funding allocated under SB 1107 and collected under AB 923 will be awarded to projects in disproportionately impacted areas. The Carl Moyer Guidelines also require that at least 50 percent of all funding available for the Carl Moyer Program, including roll-over funds from previous years and any returned funds from projects that fall through, be allocated to projects that will reduce emissions in disproportionately impacted areas. AB 617 Community Air Protection Program funds must be expended on projects that impact designated AB 617 communities. Mitigation

fees from the WAIRE Program must be utilized for projects located in the geographic area of the warehouses where fees were collected.

Attachments

Carl Moyer Program Announcement #PA2024-02



**CARL MOYER MEMORIAL
AIR QUALITY STANDARDS ATTAINMENT PROGRAM
PROGRAM ANNOUNCEMENT
Infrastructure Projects**

**SOUTH COAST AQMD PROGRAM ANNOUNCEMENT
PA2024-02**

The South Coast Air Quality Management District (South Coast AQMD) is pleased to announce the availability of funds for infrastructure projects that support the deployment of zero emission heavy duty vehicles and other equipment.

SECTION I – PURPOSE

The purpose of this Program Announcement (PA) is to solicit zero emission infrastructure project applications. This PA will use multiple funding sources, including but not limited to Carl Moyer Program (CMP) and Community Air Protection Program (CAPP) funds, as well as other funding sources when they become available. The total funding amount for this solicitation is up to \$200 million. In addition, applications received under this PA may be used to partner with South Coast AQMD to apply for funding through state and/or federal grant opportunities.

All applications will be evaluated based on the criteria set forth in this PA, the CMP Guidelines, and any subsequent updates and modifications/advisories to the CMP Guidelines. This PA was prepared based on the latest version of the CMP Guidelines approved by the California Air Resources Board (CARB) on April 27, 2017, and all associated updates, which are available at: <https://ww2.arb.ca.gov/guidelines-carl-moyer>. The section of the guidelines specific to the implementation and funding of infrastructure projects is Chapter 10.

This PA generally identifies the equipment categories, project options and eligibility criteria to qualify for grant funding under this year's CMP.

Please note that depending upon the number of applications received in response to this PA, South Coast AQMD may prioritize the selection of projects to reduce emissions in and around Overburdened Communities (OBC) and low-income communities located within the South Coast Air Basin (SCAB). While South Coast AQMD encourages all eligible applications, this means that some projects may not be selected based on their domicile address, regardless of their cost-effectiveness. At least 50 percent of South Coast AQMD's CMP funds will be targeted for projects that meet the criteria of OBC or low-income community projects. Other non-CMP funding sources may have OBC and/or low-income status requirements that may limit South Coast AQMD's ability to award such funding to projects that do not meet applicable geographic or income requirements. The Office of Environmental Health Hazard Assessment (OEHHA) at the California Environmental Protection Agency (CalEPA) has developed the California Communities Environmental Health Screening Tool: CalEnviroScreen Version 4.0 (CalEnviroScreen 4.0). The CalEnviroScreen 4.0 tool will be used by South Coast AQMD to

identify projects that qualify as OBC projects, which is defined as scoring in the top 25th percentile and will strive to maximize the benefits to these communities. All applications will be assessed with the CalEnviroScreen tool to identify and verify if the project will benefit a OBC within the 25th percentile. This tool is available at:

<https://oehha.ca.gov/calenviroscreen/report/calenviroscreen-40>

South Coast AQMD's CMP is administered locally through its Technology Advancement Office. The South Coast AQMD reserves the right to allocate its CMP funds among the program categories or to specific projects in accordance with South Coast AQMD priorities.

Several funding sources likely will be used to support eligible applications received through this PA. Different funding sources have different liquidation deadlines and the timelines to complete projects may be used to provide awards through funding sources that match liquidation deadlines. In addition, it is South Coast AQMDs intention to fund as many eligible zero-emission infrastructure applications as possible, funding may be limited and the South Coast AQMD may partner with applicants to pursue funding through state and/or federal grant funding opportunities.

SECTION II – LEGAL UPDATES AND AND DEFINITIONS

CONFLICT OF INTEREST

Applicants must address any potential conflicts of interest with other clients affected by actions performed by the firm on behalf of the South Coast AQMD. Although the applicant will not be automatically disqualified by reason of work performed for such firms, the South Coast AQMD reserves the right to consider the nature and extent of such work in evaluating the application. Conflicts of interest will be screened on a case-by-case basis by the South Coast AQMD General Counsel's Office. Conflict of interest provisions of the state law, including the Political Reform Act, may apply to work performed pursuant to this agreement. An example of a conflict of interest may occur when a consultant applying on behalf of an applicant for funding under the CMP is also contracted with South Coast AQMD.

COMPLIANCE WITH APPLICABLE LAWS

Applicants must comply with all federal, state, and local laws, ordinances, codes and regulations. If the application is eligible for funding, all vehicles and/or equipment to be purchased, or installed must be compliant with all applicable federal, state, and local air quality rules and regulations, and will maintain compliance for the full Agreement term.

COMPLIANCE WITH LABOR LAWS

If an application is deemed eligible, the applicant will be required to provide any labor violations that have occurred within the last three years to be further considered for an award. If awarded, the recipient will be required to notify South Coast AQMD in writing if they have been found by a court or federal or state agency to have violated labor laws. As part of their annual report, the recipient will complete a yearly certification in which they will either state that they have not been found by a court or federal or state agency to have violated labor laws or, if such violations have been found, the recipient will give South Coast AQMD details about those violations in the certification. If the recipient has previously provided that information to the South Coast AQMD,

they will be required to reattach that previous notification to the certification and provide any additional details about those violations that have not previously been provided. The recipient’s yearly certification will be due at the same time as the annual progress reports. South Coast AQMD reserves the right to terminate the agreement with a recipient that has been found to have violated labor laws, and the Recipient may be required to return any and all agreement funds, as determined by South Coast AQMD. The recipient will also ensure that these requirements are included in all subcontracts.

STATEMENT OF COMPLIANCE

Government Code Section 12990 and California Administrative Code, Title II, Division 4, Chapter 5, require employers to agree not to unlawfully discriminate against any employee or applicant because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, sex, or age. A statement of compliance with this clause is included in all South Coast AQMD agreements.

ECONOMIC SANCTIONS (RUSSIA/UKRAINE)

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (EO) regarding sanctions in response to Russian aggression in Ukraine. Applicants who are considered eligible for CMP funds under this PA and received executed agreements from South Coast AQMD, are obligated to comply with existing economic sanctions imposed by the U.S. government in response to Russia’s actions in Ukraine.

SOUTH COAST AQMD JURISDICTION

The South Coast AQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. This area of 10,743 square miles is home to approximately 17 million people—about half the population of the state of California. It is the second most populated urban area in the United States and one of the smoggiest. Visit <http://www.aqmd.gov/nav/about/jurisdiction> for more information.

SECTION III -- PROJECT CATEGORY

Project Category	Examples
New or Expansion of Infrastructure to fuel or power a zero-emission heavy-duty vehicle or equipment.	<ul style="list-style-type: none"> • Electric chargers for trucks, locomotive, cargo handling equipment, marine vessels • Hydrogen fueling stations for heavy duty equipment • Shore Power for marine vessels (not subject to CARB’s At-Berth regulation) • Electrification of agricultural irrigation pumps • Infrastructure for Transport Refrigeration Units (TRU)

INFRASTRUCTURE

Infrastructure projects that enable the deployment of advanced and cleaner technologies to support the State’s air quality goals are also eligible for CMP funding. Specifically, projects in this category involve the installation of fueling or energy infrastructure that will be used to fuel or power zero emission heavy-duty vehicles or equipment. **Natural gas fueling stations are no longer eligible for funding.**

Infrastructure projects will be scored based on the project location, total requested funding, the percentage of renewable source, public accessibility, expected usage for the life of the project, fleet commitments to utilize the infrastructure, equipment throughput relative to cost, project implementation timeliness, cost-share, and other factors. Each scoring criterion will be weighted as shown in the table below. The project must exceed a minimum score to be recommended for funding. The priority for project selection may change based on the requirements of the fund sources that are available. Infrastructure projects are not subject to a cost-effectiveness limit but are subject to maximum limits prescribed by CARB.

Infrastructure Project Scoring Criteria

Criteria #	Criteria	Percentage
1	Renewable Sources	8%
2	Expected Throughput Usage per Cost	25%
3	Project Co-Funding	5%
4	Infrastructure Usage and Equipment Availability	30%
5	Project Location, Readiness and Implementation	29%
6	Application Completeness at Submittal	3%
	Total	100%

Applicants must provide cost information that specifies the amount of funding requested and the basis for that request by attaching vendor quotes to the application. Non-public entities must provide quotes from a minimum of two different vendors with the application. The vendor quotes must be dated within 90 days of the application submittal date. Applicants need to inform vendors of the time frame of the award process so that they can estimate prices based on the future/projected order/purchase date.

Eligible costs include planning and engineering, permitting, equipment necessary for the functional operation of the infrastructure, and installation. Operational costs are not eligible and should not be included in the vendor quotes.

Applicants shall include a description of the installation vendor selection process. Applicants must demonstrate that they either own the land on which the project will be located, or control it through a long-term lease, easement, or other legal arrangement, for the duration of the project life. Some projects may also require a case-by-case review by CARB.

Eligible infrastructure projects include, but are not limited to:

- Battery charging stations: New, conversion of existing, and expansion to existing battery charging stations for heavy-duty vehicles and equipment (not for light-duty vehicles).
- Hydrogen Fueling Station: New, conversion of existing, or expansion of existing hydrogen fueling station for heavy duty vehicles and equipment.
- Stationary Agricultural Station: Pump electrification.
- Shore Power: Shore-side electrification for projects not subject to CARB's shore power regulation. Only a port authority, terminal operator, or marine vessel owner is eligible for this type of infrastructure project.

Timelines for project completion need to be clearly identified. Several different funding sources may be used for these projects and each of the funding sources have different liquidation deadlines that must be met. If the infrastructure project being submitted meets CMP eligibility and can be completed in 2024 please ensure to highlight this timeline.

If selected for funding, Carl Moyer Infrastructure awards begin at 50 percent of the eligible project cost for a private access project. Public access projects receive an additional 10 percent, and if a charging project utilizes renewable energy, the project will receive an additional 15 percent. Please refer to the Carl Moyer guidelines for detailed funding information.

The applicant must provide proof (i.e., letter of commitment from the fleet operator, purchase orders, etc.) that a sufficient number of supported vehicles/equipment be acquired and/or committed to utilize the infrastructure when the project is complete. For infrastructure expansion projects, documentation of increased throughput at the station is required to ensure the expansion is commensurate with projected fueling demand.

All projects funded need to be registered with the Department of Industrial Relations (DIR) and must comply with DIR requirements on labor practices which covers a broad prevailing wage. The CMP also specifies that applicants awarded an agreement must comply with applicable provisions of Labor Code Sections 1720-1861.

SECTION IV – APPLICATION SUBMITTAL REQUIREMENTS

Applicants must apply for CMP funding using the South Coast AQMD's CMP Online Grant Management System (GMS) at: www.aqmd.gov/moyer. In addition, all Business Information Forms including Conflict of Interest and Project Cost information, as described below, must also be submitted with the application. It is the responsibility of the applicant to ensure that all information submitted is accurate and complete. **Paper applications will not be accepted.**

PROJECT COST

Applicants must provide cost information that specifies the amount of funding requested and the basis for that request by attaching vendor quotes to the application. The vendor quotes must be dated within 90 days of the application submittal date. Applicants need to inform vendors of the time frame of the award process so that they can estimate prices based on the future/projected order/purchase date.

Purchase orders or other purchase commitments shall not be placed until after award approval by the South Coast AQMD. Purchase orders may be placed after South Coast AQMD approval and in advance of a fully executed agreement, but these orders or commitments are placed at the applicant's own risk.

The CMP will fund only a percentage of the project cost of the infrastructure based on the type of project. No administrative or operational costs will be funded. All project costs must be clearly indicated in the application. In addition, applicants must disclose all sources of co-funding, including the name of the funding source and amount of funding in the application. All co-funding will be evaluated to determine whether it can be stacked with Carl Moyer funds.

APPLICATION SUBMISSION

All online applications must be submitted according to specifications set forth herein. Failure to adhere to these specifications may be cause for rejection of the application without evaluation.

Grounds for Rejection: An application may be immediately rejected if:

- Does not include correct documentation and other forms required.
- All applications are not signed by an individual authorized to represent the firm.

Staff Contact Information: South Coast AQMD staff contacts for this solicitation are listed under South Coast AQMD Staff Contacts and Additional Resources below. Applicants may contact South Coast AQMD staff to discuss their project prior to submitting an online application to ensure program eligibility.

Business Information Forms: All business information forms **must** be completed and submitted with the online application. Please note, if recommended for an award, you will be required to submit an updated Campaign Contribution Disclosure form at a later date. Download these forms at www.aqmd.gov/moyer. These business forms will also be available on the CMP GMS.

Electronic Submittal: A link to access South Coast AQMD's CMP GMS will be available by December 1, 2023 at: www.aqmd.gov/moyer. The CMP GMS allows applicants to submit applications electronically to the South Coast AQMD and track the progress of their application(s). **Applications must be submitted through the CMP GMS.** South Coast AQMD "Business Information Forms" requiring signatures must be scanned and uploaded to the electronic application in PDF format.

First-time users must register as a new user to access the system. Applicants will receive a confirmation email after all required documents have been successfully uploaded. A tutorial of the system will be provided at the pre-application workshops or online and you may contact staff if you would like additional assistance.

Third parties assisting in applications may create their own account on the CMP GMS that can be linked through the primary user account.

Missing Information – South Coast AQMD will email letters to applicants regarding the missing or incomplete information. Applicants will have fourteen (14) business days to provide any missing information requested in the letter. It will be the applicant’s responsibility to submit the missing or incomplete information within the time specified by South Coast AQMD staff. Only complete applications can move forward in the evaluation process.

Disposition of Applications - South Coast AQMD reserves the right to reject any or all applications. All responses become the property of the South Coast AQMD. A copy of each application not selected for funding shall be retained for one year. Additional copies and materials will be returned only if requested and at the applicant's expense.

SECTION V – WORK STATEMENT/SCHEDULE OF DELIVERABLES

Prior to submitting the application, applicants must sign and agree to the terms and conditions of the requirements for submittal of additional project information to finalize an agreement and that all vehicles, engines or equipment shall be in operation within eighteen (18) months of agreement execution.

SCOPE OF WORK

The scope of work will describe tasks and deliverables that demonstrate compliance with the requirements of the CMP as administered by CARB and South Coast AQMD. The project applicant is responsible for developing detailed project plans and ordering equipment that complies with the program criteria and guideline requirements. In addition, alternative fuel project applicants must discuss their plan for refueling the proposed vehicles/equipment, and if appropriate, should provide a letter of agreement from their fuel provider (see Application forms).

At a minimum, any agreement for funding the proposed project must meet the following criteria:

- The infrastructure equipment must be installed within the boundaries of the SCAB.
- Provide appropriate recordkeeping during the project life (i.e., annual throughput/usage, hours of operation), including submission of annual reports as detailed below.
- Ensure that the project complies with all applicable rules and regulations, and the resulting emission reductions from the project are not required as a mitigation measure to reduce adverse environmental impacts that are identified in an environmental document prepared in accordance with the California Environmental Quality Act or the National Environmental Policy Act.
- If requested, recipient must provide a financial statement and bank reference, or other evidence of financial ability to fulfill agreement requirements.
- If requested, recipient must make all equipment and records available to the South Coast AQMD or CARB for audit and inspections.

PAYMENT TERMS

For all projects except shore power projects, full payment will be made upon installation and commencement of operation of the funded equipment. For shore power projects, a progress payment schedule may be established that allows payment upon completion of key milestones, as

delineated in the agreement. Any tax obligation associated with an award is the responsibility of the Recipient.

DELIVERABLES

The agreement will describe how the project will be monitored and what type of information must be submitted as part of the reporting requirements. At a minimum, South Coast AQMD expects to receive an annual report for each year during the full agreement term, or project life, which provides the annual throughput, hours of operation, and operational and maintenance issues encountered and how they were resolved. South Coast AQMD reserves the right to verify the information provided.

Annual reporting forms are available online at: www.aqmd.gov/moyer

SECTION VI – APPLICATION EVALUATION/RECIPIENTSELECTION CRITERIA

South Coast AQMD staff will evaluate all eligible online applications and make the final selection of project(s) to be funded. Each project will be evaluated based on two primary criteria: (1) the project’s status with respect to the disadvantaged community and low-income criteria prescribed by CARB. (2) the project’s using metrics that include, but are not limited to: fleet usage commitments, project location and readiness, expected usage/throughput and cost share.

SECTION VII – IMPORTANT PROGRAM INFORMATION

- Applicants must provide vendor quotes with their application to document the cost of the new replacement vehicle/equipment project (or engine for repower project). Applicants may be awarded up to the designated percentage of total cost for the specified type of project (new purchase, repower replacement and/or retrofit, infrastructure), subject to funding caps and program cost-effectiveness limits. All quotes must have been obtained within 90 days prior to the application submittal date.
- Any tax obligation or liabilities associated with the award is the responsibility of the grantee. Please consult your tax advisor on the tax liabilities of receiving a grant award under the CMP.
- No third-party contracts will be executed.
- Pre- and post-inspections on awarded projects will be conducted, as required. Inspections of all vehicles/engines/equipment may be conducted virtually via remote inspections depending on the status of the pandemic. Applicants must make all locations/equipment available for in-person or remote inspections unless otherwise specified during agreement preparation, or through updates from South Coast AQMD.
- It is the applicant’s responsibility to ensure that the most current information and requirements are reflected in a submitted project application. Applicants should check the CARB website for updates and advisories to the guidelines (www.arb.ca.gov/msprog/moyer/moyer.htm).

- In cases of conflict between CARB guidelines and South Coast AQMD criteria, the more stringent criteria will prevail. South Coast AQMD will post any new information and requirements on its CMP Web page at www.aqmd.gov/moyer.
- A project may be leveraged with other funding sources. The applicant must disclose all funding sources at the time of application and will be required to report all funding sources in the application. The sum of all grants and other funds applied toward the project shall (1) not exceed the total project cost for public agency applicants and (2) not exceed 85% of the total project cost for non-public agency applicants. In other words, the grantee must pay at least 15 percent of the project cost from non-public sources.

SECTION VIII – SCHEDULE OF EVENTS

Issue PA2024-02	December 1, 2023
Applications Open	December 5, 2023
Application Close	February 6, 2024 @ 1 PM PST
Workshops	Outreach information, pre-recorded presentations and other meetings (as needed) to be posted on www.aqmd.gov/moyer

Access to South Coast AQMD’s CMP Online GMS is provided at: www.aqmd.gov/moyer

SOUTH COAST AQMD STAFF CONTACTS AND ADDITIONAL RESOURCES

The South Coast AQMD staff contacts are listed in Table 1. Copies of the PA, Business Information Forms and a sample South Coast AQMD CMP agreement may be accessed at: www.aqmd.gov/moyer.

Table 1: CMP Staff Contacts

Project Category	Staff Contact	Email
Infrastructure	Tom Lee Krystle Martinez David Chen Justin Joe George Wu Andrew Yoon	tlee@aqmd.gov kmartinez@aqmd.gov dchen@aqmd.gov jjoe@aqmd.gov gwu@aqmd.gov ayoon@aqmd.gov

CONTACT FOR ADDITIONAL INFORMATION

Questions regarding the content or intent of this PA, procedural matters or locations of workshops should be addressed to: carlmoyer@aqmd.gov

Agenda Item #2

Issue Program Announcement
and Execute Agreements for
Zero Emission Infrastructure Projects

Tom Lee

Background

High demand for zero emission supporting infrastructure:

- 2022 Air Quality Management Plan
- Governor's Executive Order N-79-20
- Support CARB's Advanced Clean Fleets, Advanced Clean Trucks, In-use Locomotive, and Commercial Harbor Craft Regulations
- Overburdened & AB 617 Communities benefits



Infrastructure Project Examples

- Electric chargers (trucks, cargo handling equipment, marine vessels, locomotives)
- Hydrogen Fueling Stations
- Electrification of Agricultural Pumps
- Shore Power
- Transport Refrigeration Unit (TRU) Infrastructure



Schedule

Event	Date
Issue Program Announcement	December 1, 2023
Application Open	December 5, 2023
Application Close	February 6, 2024

- Projects will be evaluated using Carl Moyer Program Guidelines
- Eligible projects that can be commissioned in 2024 will be prioritized for Moyer funding with upcoming 2024 liquidation deadline
- Several funding sources to be used
- South Coast AQMD may partner with applicants on federal and/or state grant funding opportunities

Recommended Actions

- Issue Program Announcement to solicit infrastructure projects per Carl Moyer Guidelines
- Authorize Executive Officer to execute agreements for projects that can be commissioned in 2024 using Carl Moyer Fund (32) and AB 617 Community Air Protection Program Fund (77).