



South Coast Air Quality Management District



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

REVISED

HYBRID TECHNOLOGY COMMITTEE MEETING

Committee Members

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

January 19, 2024 ♦ 12:00 p.m.

TELECONFERENCE LOCATIONS

County Administration North
400 West Civic Center Drive
First Floor, Room 101
Santa Ana, CA 92701

A meeting of the South Coast Air Quality Management District Technology Committee will be held at 12:00 p.m. on Friday, January 19, 2024 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://scaqmd.zoom.us/j/96669409722>

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

Teleconference Dial In

+1 669 900 6833

One-Tap Mobile

+16699006833, 96669409722#

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 (1-4):

1. Execute Contracts, Adopt Resolutions to Recognize Funds and Reimburse General Fund to Implement Year 25 & 26 Carl Moyer, SOON, FARMER and Community Air Protection Programs, and Appropriate Funds for Development of Carl Moyer Program Grant Management System (*Motion Requested*)

Walter Shen
Planning and Rules
Manager

In May 2023, Program Announcements for the Carl Moyer and Surplus Off-Road Opt-In for NOx (SOON) Programs closed. Over \$400M in grant applications were received. These actions are to: 1) adopt Resolutions and recognize FY 2023-24 funds from CARB of up to \$136,856,015 for the Carl Moyer, FARMER and CAPP Programs; 2) execute contracts for Carl Moyer, SOON, FARMER and CAPP in the amount of \$196,687,460; 3) authorize the Executive Officer to redistribute the source of funds for the awarded projects between Carl Moyer, FARMER and CAPP to ensure liquidation targets are met; 4) reimburse General Fund for administrative costs up to \$8,553,501 from Carl Moyer, FARMER and CAPP Programs; and 5) transfer and appropriate up to \$100,000 each (for a total of \$200,000) from the administrative portions of the Community Air Protection AB 134 Fund (77) and the Carl Moyer Program Fund (32), into Information Management's FY 2023-24 and/or 2024-25 Budget, Services and Supplies and/or Capital Outlays Major Objects for the final phase of the grant management system development..

2. Recognize Funds and Execute MOU with City of Irvine for Lawn and Garden Equipment Projects (*Motion Requested*)

Yuh Jiun Tan
Program Supervisor

South Coast AQMD administers and implements both the Residential Electric Lawn Mower Rebate and the Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program. The City of Irvine would like to partner with South Coast AQMD to fund zero-emission lawn and garden equipment replacement projects for residents and businesses operating within the City of Irvine. These actions are to: 1) authorize the Executive Officer to execute an MOU with the City of Irvine to contribute \$300,000 towards South Coast AQMD's programs that fund zero-emission lawn and garden

equipment replacement projects for residents and businesses in the City of Irvine; and 2) recognize funds from the City of Irvine up to \$18,750 into the General Fund for administrative costs of implementing the MOU.

3. Execute Contract to Demonstrate Off-Grid Electrical Fast Charging Solution to Support UCLA’s Electric Fleet (*Motion Requested*)

Maryam Hajbabaei
Program Supervisor

The University of California Los Angeles (UCLA) is committed to a sustainability goal and has a comprehensive transportation plan to reduce its environmental impact, including electrifying its fleet. However, upgrading the electrical infrastructure will take some time. To address the infrastructure challenge, UCLA plans to demonstrate an interim off-grid charging solution in partnership with GenCell, Inc. This action is to execute a contract with GenCell, Inc. to develop and demonstrate an off-grid fast charging solution to support UCLA’s electric fleet in an amount not to exceed \$200,000 from the Clean Fuels Program Fund (31).

4. Execute Contract to Replace and Expand Existing Hydrogen Refueling Station at South Coast AQMD Headquarters (*Motion Requested*)

Maryam Hajbabaei
Program Supervisor

For over a decade, South Coast AQMD hosted a hydrogen refueling station at its headquarters that is part of a CEC award to Air Products and Chemicals, Inc. The current station’s capacity to provide hydrogen refueling is limited. Recently, FirstElement Fuel, Inc. received a CEC grant in the amount of \$42.6 million to develop publicly accessible advanced hydrogen refueling stations. Additional funding is sought to clean up the site and expedite the replacement of the existing station. This action is to execute a contract with FirstElement Fuel, Inc. to replace and expand the existing hydrogen refueling station at South Coast AQMD headquarters in an amount not to exceed \$750,000 from the Clean Fuels Program Fund (31).

5. 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)

6. 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.

7. Next Meeting Date

Friday, February 16, 2024 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: February 2, 2024

AGENDA NO.

PROPOSAL: Execute Contracts, Adopt Resolutions to Recognize Funds and Reimburse General Fund to Implement Year 25 & 26 Carl Moyer, SOON, FARMER and Community Air Protection Programs, and Appropriate Funds for Development of Carl Moyer Program Grant Management System

SYNOPSIS: In May 2023, Program Announcements for the Carl Moyer and Surplus Off-Road Opt-In for NOx (SOON) Programs closed. Over \$400M in grant applications were received. These actions are to: 1) adopt Resolutions and recognize FY 2023-24 funds from CARB of up to \$136,856,015 for the Carl Moyer, FARMER and CAPP Programs; 2) execute contracts for Carl Moyer, SOON, FARMER and CAPP in the amount of \$196,687,460; 3) authorize the Executive Officer to redistribute the source of funds for the awarded projects between Carl Moyer, FARMER and CAPP to ensure liquidation targets are met; 4) reimburse General Fund for administrative costs up to \$8,553,501 from Carl Moyer, FARMER and CAPP Programs; and 5) transfer and appropriate up to \$100,000 each (for a total of \$200,000) from the administrative portions of the Community Air Protection AB 134 Fund (77) and the Carl Moyer Program Fund (32), into Information Management's FY 2023-24 and/or 2024-25 Budget, Services and Supplies and/or Capital Outlays Major Objects for the final phase of the grant management system development.

COMMITTEE: Technology, January 19, 2024; Recommended for Approval

RECOMMENDED ACTIONS:

1. Adopt the attached Resolutions, accept terms and conditions, and recognize FY2023-24 funds from CARB upon receipt of up to \$47,229,407 in Carl Moyer Program funds (Year 26) and \$706,800 in Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program funds (Year 6) into the Carl Moyer Program SB 1107 Fund (32), and up to \$88,919,808 in AB 617 Community Air Protection Program (CAPP) Incentives funds (Year 7) into the Community Air Protection AB 134 Fund (77);

2. Authorize the Chair to:
 - a) Execute contracts for the Carl Moyer and SOON Programs as listed in Table 2 in an amount not to exceed \$83,758,275, comprised of \$66,176,592 from the Carl Moyer Program SB 1107 Fund (32), \$12,010,890 from the Carl Moyer AB 923 Match Fund (80), \$3,525,003 from interest accrued in the Carl Moyer Program SB 1107 Fund (32), and \$1,987,781 from the Carl Moyer Program Fund (32) (FARMER funds) and \$58,009 in returned FARMER funds;
 - b) Execute contracts for mobile source projects for CAPP Incentives as listed in Table 3, in an amount not to exceed \$112,929,185 from the Community Air Protection AB 134 Fund (77);
 - c) Execute contracts from the backup projects as listed in Table 4, should any returned funds become available from any of the funding sources approved for projects in this Board letter, or should any additional funds become available under the Carl Moyer, SOON, State Reserve, CAPP Incentives or FARMER programs;
3. Authorize the Executive Officer to redistribute the funding source from unencumbered funds and executed contracts with no payments within and/or between the Carl Moyer Program Fund (32)(including SB 1107, SB 129, SOON, State Reserve, FARMER and associated interest funds), Carl Moyer AB 923 Fund (80) match funds, Proposition 1B – Goods Movement Program Fund (81), Voucher Incentive Program Fund (59), Rule 2202 Air Quality Investment Program Fund (27), and the Community Air Protection AB 134 Fund (77), including reassigning Carl Moyer Program projects between funding years, as needed, in order to expeditiously meet program liquidation requirements to the extent that such actions are not in conflict with any applicable guidance, requirement or direction from CARB;
4. Reimburse the General Fund from the Carl Moyer Program Fund (32) and Community Air Protection AB 134 Fund (77) for administrative costs related to the Carl Moyer, FARMER and CAPP Programs in an amount not to exceed \$2,951,838, \$44,175 and \$5,557,488, respectively; and
5. Transfer and appropriate up to \$200,000, comprised of \$100,000 each from the administrative portions of the Community Air Protection Program (Grant #G19-MCAP-03-1) Fund (77) and the Carl Moyer Program (Grant #G21-MO-27) Fund (32), into Information Management’s FY 2023-24 and/or 2024-25 Budget, Services and Supplies and/or Capital Outlays Major Objects for the final phase of the grant management system (GMS) development.

Wayne Nastri
Executive Officer

AK:MW:WS:AY

Background

Carl Moyer Program

In December 2022, the Board adopted a resolution and recognized up to \$47 million in FY 2022-23 Carl Moyer Program (Year 25) funds and released Program Announcements (PA) #P2023-04 and #P2023-05 to solicit projects for the Carl Moyer and Surplus Off-Road Opt-In for NOx (SOON) Programs. The PAs were oversubscribed, with funding requests of over \$424 million which far exceeded the amount of available funds. Since projects eligible under the Carl Moyer Program may be considered for funding through the State Reserve, the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program and Community Air Protection Program (CAPP) Incentives, the projects submitted in response to the PAs were also evaluated for eligibility under these other incentive programs.

In November 2023, CARB allocated \$47,229,407 in FY 2023-24 (Year 26) Carl Moyer Program funds to South Coast AQMD, which includes 6.25 percent in administrative funds. Given the high number of eligible applications received from PAs #P2023-04 and #P2023-05, staff recommends implementing eligible projects using Carl Moyer Program Year 25 and up to 50 percent of Year 26 funds. The remaining Year 26 project funds will be directed towards eligible infrastructure projects submitted under PA #P2024-02, released in December 2023, to solicit infrastructure projects to support zero-emission heavy duty vehicles and equipment. The required match from South Coast AQMD to contribute to the Carl Moyer Program is \$5,989,141 for Year 25 and \$6,021,749 for Year 26, of which 15 percent of these funds will be provided as in-kind contribution as allowed by the Carl Moyer Program. In addition, other sources of funds are available to fund eligible projects under the Carl Moyer Program, including FARMER, CAPP Incentives, and associated interest funds.

FARMER Program

In April 2023, the Board adopted a resolution recognizing up to \$1.5 million in FY 2022-23 FARMER Program (Year 5) funds into the Carl Moyer Program Fund (32). CARB subsequently allocated \$706,000 to South Coast AQMD in FY 2023-24 FARMER Program funds (Year 6), which includes 6.25 percent of administrative funds. Given the high number of eligible applications for projects in the agricultural sector, staff plans to combine FARMER funds from these two fiscal years (fiscal years 2022-23 and 2023-24) to fund eligible projects under the Carl Moyer Program for a total of \$2,045,790 including accrued interest.

CAPP Incentives

In September 2022 and April 2023, the Board recognized up to \$99 million and \$92 million in FY 2021-22 CAPP Year 5 and FY 2022-23 CAPP Year 6 funds, respectively, for a total of up to \$191 million. The funds will support clean truck,

zero emission projects, projects eligible for Proposition 1B-Goods Movement Program, projects identified in approved Community Emissions Reduction Plans, and programs identified in the Community Air Protection Incentives 2019 Guidelines and subsequent amendments. Staff recommends combining Year 5 and Year 6 CAPP funds to fund projects described above and some projects solicited from the Carl Moyer Program Announcements #PA 2023-04 and #PA 2023-05 that qualify for the funds.

In addition, in December 2023, South Coast AQMD received a grant agreement (G23-MCAP-23) from CARB for the FY 2023- 24 CAPP Year 7 funds in the amount of \$88,919,808, including 6.25% in administrative funds.

Carl Moyer Program Grant Management System (GMS)

Lastly, in September 2021, the Board approved funds for the development of the Carl Moyer Program GMS to facilitate the online application submittal and streamline the application evaluation and approval process. The GMS has been successfully utilized by the applicants and staff since April 2022. To date, additional features are needed to further enhance the capabilities of the GMS by integrating contracting, invoicing, and annual reporting modules into the existing GMS. South Coast AQMD's Information Management staff determined that up to \$200,000 in funds are needed for costs associated with these enhancements and for developing and maintaining the Carl Moyer Program GMS.

Outreach

In accordance with South Coast AQMD's Procurement Policy and Procedure, a public notice advertising PA #P2023-04 and #P2023-05 to solicit projects for the Carl Moyer and SOON Programs and inviting bids was 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 bidders may have been notified utilizing South Coast AQMD's own electronic listing of certified minority vendors. Notice of the PAs was emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations and placed on South Coast AQMD's website (<http://www.aqmd.gov>).

In early 2023, staff held a series of in-person Carl Moyer Program workshops throughout South Coast AQMD's jurisdiction to further outreach and promote Carl Moyer Program funding opportunities to communities, fleet operators and other stakeholders. Also, staff conducted specific outreach to AB 617 communities and provided added outreach at AB 617 Community Steering Committee meetings. Other efforts to promote the Carl Moyer Program include, but are not limited to: 1)

coordination with the Ports of Los Angeles and Long Beach to disseminate Carl Moyer Program funding information to all drayage truck owners/operators listed in the Drayage Truck Registry, as well as the terminal operators of cargo handling equipment and truck dealers; 2) emails to over 16,000 subscribers to the Carl Moyer Program list serve; 3) coordinating social media outreach through partnerships with utilities including Southern California Edison and Southern California Gas Company; and 4) increasing social media presence through online announcements via South Coast AQMD's social media accounts.

Proposal

This action is to adopt the attached Resolutions, accept terms and conditions, and recognize FY2023-24 funds from CARB upon receipt of up to \$47,229,407 in Carl Moyer Program funds (Year 26) and \$706,800 in Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program funds (Year 6) into the Carl Moyer Program SB 1107 Fund (32), and up to \$88,919,808 million in AB 617 Community Air Protection Program (CAPP) Incentives funds (Year 7) into the Community Air Protection AB 134 Fund (77).

This action is to also authorize the Chair to execute contracts for projects listed in Table 2, in an amount not to exceed \$83,758,275 comprised of \$66,176,592 from the Carl Moyer Program SB 1107 Fund (32), \$12,010,890 from the Carl Moyer AB 923 Match Fund (80), \$3,525,003 from interest accrued in the Carl Moyer Program SB 1107 Fund (32), and \$1,987,781 from the Carl Moyer Program Fund (32) – FARMER grant and \$58,009 in returned FARMER funds. The projects recommended in Table 2 are based on cost-effectiveness in accordance with the Carl Moyer Program Guidelines, with priority given to the most cost-effective projects and projects that will achieve near-term NO_x reductions in support of the 2022 AQMP emission reductions needed in the Basin. Projects that provide emission benefits to current standards were selected with a cost-effectiveness up to \$34,000 per weighted ton of NO_x, PM and Reactive Organic Gases (ROG) emissions reduced. Projects providing emissions reduced beyond those achieved by current standards, those provided by zero-emission technologies, were selected with a cost-effectiveness up to \$522,000 per weighted ton of NO_x, PM and ROG. In addition to selecting projects based on cost-effectiveness, benefits to overburdened communities and AB 617 communities are also considered, whenever feasible. During the review process, all qualified applications were considered and approximately 75 percent of the proposed projects will benefit overburdened communities.

This action is to also authorize the Chair to execute contracts for mobile source projects for CAPP Incentives as listed in Table 3, in an amount not to exceed \$112,929,185 from the Community Air Protection AB 134 Fund (77). The recommends awards in Table 3 are for projects located in the following AB 617 communities: Wilmington/Carson/West Long Beach, East Los

Angeles/Boyle Heights/West Commerce, San Bernardino/Muscoy, Eastern Coachella Valley, Southeast Los Angeles, and South Los Angeles. The recommended projects will result in 100 percent direct emissions reduction benefits to overburdened communities within the AB 617 communities and contribute to the emissions reduction goals and actions identified in the Board-approved Community Emission Reduction Plans and staff will continue to work closely with committees to identify targeted outreach and additional incentive funding opportunities through CAPP. This action is to execute contracts for mobile source projects for AB 617 CAPP as listed in Table 3 in and amount not to exceed \$112,929,185.

Through these funding awards all eligible zero-emission projects totaling \$119,197,817 were able to be funded. The remaining projects were placed on a back-up list in Table 4 for future consideration to address incentive program priorities, or in the event any returned or additional funds become available from Carl Moyer, FARMER and CAPP Programs, or to meet other air quality priorities and funding allocations established in the Community Emission Reduction Plans by the AB 617 Community Steering Committees. This action is to authorize the Chair to execute contracts from the backup projects as listed in Table 4.

Also, to successfully meet the liquidation deadlines specified in the grants, this action is to also authorize the Executive Officer to redistribute the source of funds within and/or between the Carl Moyer Program Fund (32) (including SB 1107, SB 129, SOON, State Reserve, FARMER and associated interest funds), Carl Moyer AB 923 Fund (80) match funds, Proposition 1B – Goods Movement Program Fund (81), Voucher Incentive Program Fund (59), Rule 2202 Air Quality Investment Program Fund (27) and the Community Air Protection AB 134 Fund (77), as needed, to the extent the redistribution would not be in conflict with any applicable guidance, requirement or direction from CARB.

Lastly, staff is recommending the development of the final phase of the Carl Moyer Program GMS. The new GMS developments will include the following:

- Contracting & Invoicing module for staff to directly prepare draft contracts in OnBase, the online platform for managing documents and processes; and
- Annual Report module for end users to upload and staff to review annual usage reports required by Carl Moyer Program guidelines.

Overburdened Communities

Based on the recommended awards, nearly 75 percent of the projects under the Carl Moyer, SOON, FARMER and CAPP, as well as all the recommended projects listed as backup, are expected to provide benefits to overburdened communities, greatly surpassing program requirements. These recommended awards are consistent with the requirements of AB 1390 and ensure that not less than 50 percent of the funds

appropriated for purposes of the following programs are expended in a manner that directly reduces air contaminants and/or associated public health risks in overburdened communities: Carl Moyer Program, Lower-Emission School Bus Program, and other diesel mitigation programs. The qualification of the projects is determined by using CalEnviroScreen version 4.0 and the requirements of SB 535 for disadvantaged communities, and AB 1550 for low-income communities and those within half a mile of disadvantaged communities.

Benefits to South Coast AQMD

The successful implementation of the projects selected for funding through the Carl Moyer Program (including SOON), FARMER and CAPP will reduce emissions of NOx, PM, and ROG. The recommended projects will exceed the targets for benefits to disadvantaged and low-income communities that are identified in the Carl Moyer and CAPP incentives grants. Below are the estimated emissions reduction benefits from implementing the recommended awards:

Program	Estimated Emission Reductions (tons/year)	
	NOx	PM
Carl Moyer/SOON Programs	324	7
FARMER	13	1
CAPP Incentives	121	6
Total	458	14

The Carl Moyer Program is an important and successful program that provides incentive funding to owners of heavy-duty vehicles and equipment to reduce emissions beyond regulatory requirements by replacing, repowering or retrofitting their older engines. The projects identified in this Board letter will result in emission reductions that are surplus to existing regulations and will occur throughout the life of the projects, resulting in long-term emission reduction and public health benefits.

The Carl Moyer GMS will further enhance the application submittal process for participants, the evaluation and approval processes for staff, and the project management for both participants and staff. In addition, further development of the Carl Moyer GMS will provide updated and seamless integration with the current OnBase systems; particularly with the OnBase invoicing and contract modules, thereby minimizing administrative burden.

Resource Impacts

Total funding for projects under the Year 25 & 26 Carl Moyer Program, SOON Program, FARMER and CAPP Incentives will not exceed \$196,687,460, comprised of the following funding sources:

Program	Total Funds Awarded
Carl Moyer SB 1107 (Fund 32)	\$66,176,592
Carl Moyer/State Reserve Interest Funds (Fund 32)	\$3,525,003
Carl Moyer AB 923 Match Funds (Fund 80)	\$12,010,890
FARMER (Fund 32)	\$2,045,790
CAPP Incentives (Fund 77)	\$112,929,185
Total	\$196,687,460

Attachments

Resolution for FY 2023-24 Carl Moyer Program (Year 26) Funds

Resolution for FY 2023-24 FARMER (Year 6) Funds

Resolution for FY 2023-24 CAPP (Year 7) Funds

Table 1: Total Amount of Available Funds

Table 2: Carl Moyer Program Awards

Table 3: CAPP Incentive Awards in AB 617 Communities

Table 4: Recommended List of Backup Projects

RESOLUTION NO. 24-

A Resolution of the South Coast Air Quality Management District Board Recognizing Funds and Accepting the Terms and Conditions of the FY 2023-24 Carl Moyer Grant Award

WHEREAS, under Health & Safety Code §40400 et seq., the South Coast Air Quality Management District (South Coast AQMD) is the local agency with the primary responsibility for the development, implementation, monitoring and enforcement of air pollution control strategies, clean fuels programs and motor vehicle use reduction measures; and

WHEREAS, the South Coast AQMD is authorized by Health & Safety Code §§40402, 40440, and 40448.5 as well as the Carl Moyer Memorial Air Quality Standards Attainment Program (§44275, et seq.) to implement programs to reduce transportation emissions, including programs to encourage the use of alternative fuels and zero and low-emission vehicles; to develop and implement other strategies and measures to reduce air contaminants and achieve the state and federal air quality standards; and

WHEREAS, the Governing Board has adopted several programs to reduce emissions from on-road and off-road vehicles, as well as emissions from other equipment, including infrastructure from the Carl Moyer Program, the Proposition 1B-Goods Movement Program, and projects included in approved Community Emissions Reduction Programs; and

WHEREAS, the Governing Board directs staff to prioritize funding of zero emission vehicles and equipment whenever feasible, including charging/fueling infrastructure for medium- and heavy-duty vehicles, in disadvantaged and low-income communities; and

WHEREAS, the South Coast AQMD is designated as an extreme non-attainment area for ozone and as such is required to utilize all feasible means to meet national ambient air quality standards.

THEREFORE, BE IT RESOLVED that the Governing Board, in regular session assembled on February 2, 2024, does hereby authorize the Executive Officer to accept the terms and conditions of the FY 2023-24 (Year 26) Carl Moyer Program grant award and recognizes up to \$47,229,407 million from CARB to administer and implement the Year 26 Carl Moyer Program.

BE IT FURTHER RESOLVED that the Executive Officer is authorized and directed to take all steps necessary to carry out this Resolution.

Date

Faye Thomas, Clerk of the Boards

RESOLUTION NO. 24-

A Resolution of the South Coast Air Quality Management District Governing Board Recognizing FY 2023-24 FARMER Funds

WHEREAS, in July 2023, Governor Newsom signed into law Assembly Bill (AB) 102, which appropriates \$75 million from the State Budget for FY 2023-24 to the California Air Resources Board (CARB) for reducing criteria, toxic and greenhouse gas (GHG) emissions from the agricultural sector;

WHEREAS, CARB developed the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program Guidelines to meet the Legislature's objectives and help meet the State's criteria, toxic and GHG reduction goals;

WHEREAS, the funding for the FARMER Program comes from the General Fund of AB 102;

WHEREAS, CARB has proposed an allocation of \$706,800 for the South Coast Air Quality Management District (South Coast AQMD) to implement projects pursuant to the FARMER Program Guidelines;

WHEREAS, there are specific legislative requirements (e.g., expenditure records, quantification methodology, annual reporting, and disadvantaged/low-income community investments) of the cap-and-trade proceeds that the South Coast AQMD will need to adhere to;

WHEREAS, the South Coast AQMD may have need to transfer funds to other air districts, or may be invited to accept FARMER funds through inter-district transfer;

NOW, THEREFORE, BE IT RESOLVED that the Governing Board, in regular session assembled on February 2, 2024 does hereby approve South Coast AQMD participation in the FY 2023-24 FARMER Program and recognize up to \$706,800 from CARB in FARMER Program funds.

BE IT FURTHER RESOLVED that South Coast AQMD will comply with FARMER Program requirements as specified in the grant award, applicable FARMER Program Guidelines and the South Coast AQMD's FARMER Policies and Procedures Manual.

BE IT FURTHER RESOLVED that the South Coast AQMD Governing Board authorizes the Executive Officer to enter into contracts or grants with other California air quality districts to transfer funds to other districts or accept FARMER funds through inter-district transfer as necessary.

BE IT FURTHER RESOLVED that the Executive Officer is hereby authorized and empowered to execute on behalf of South Coast AQMD grant agreements with CARB and all other necessary documents to implement and carry out the purposes of this Resolution.

Date

Faye Thomas, Clerk of the Board

RESOLUTION NO. 24-

A Resolution of the South Coast Air Quality Management District Governing Board Recognizing FY 2023-24 Community Air Protection Incentive Funds

WHEREAS, under Health and Safety Code §40400 et seq., the South Coast Air Quality Management District (South Coast AQMD) is the local agency with the primary responsibility for the development, implementation, monitoring and enforcement of air pollution control strategies, clean fuels programs and motor vehicle use reduction measures;

WHEREAS, the South Coast AQMD is authorized by Health and §§40402, 40440, 40448.5 as well as the Carl Moyer Memorial Air Quality Standards Attainment Program (§§44275 et seq.) to implement programs to reduce transportation emissions, including programs to encourage the use of alternative fuels, zero and low emission vehicles, to develop and implement other strategies and measures to reduce air contaminants, and achieve the state and federal air quality standards;

WHEREAS, the Governing Board has adopted several programs to reduce emissions from on-road and off-road vehicles, as well as emissions from other equipment, including infrastructure from the Carl Moyer Program, the Proposition 1B-Goods Movement Program, and projects included in approved Community Emissions Reduction Programs; and

WHEREAS, the Governing Board directs staff to prioritize funding of zero emission vehicles and equipment whenever feasible, including charging/fueling infrastructure for medium- and heavy-duty vehicles, in disadvantaged and low-income communities; and

WHEREAS, there are specific legislative requirements (e.g., expenditure records, quantification methodology, annual reporting, and disadvantaged/low-income community investments) of the cap-and-trade proceeds that the South Coast AQMD will need to adhere to;

WHEREAS, the South Coast AQMD is designated as an extreme non-attainment area for ozone and as such is required to utilize all feasible means to meet national ambient air quality standards.

THEREFORE, BE IT FURTHER RESOLVED that the Governing Board of the South Coast AQMD, State of California, in regular session assembled on February 2, 2024, does hereby recognize up to \$88,919,808 in FY 2023-24 (Year 7) Community Air Protection Program (CAPP) incentive funds from CARB to administer and implement the Year 7 CAPP.

BE IT FURTHER RESOLVED that the Executive Officer is hereby authorized and directed to take all steps necessary to carry out this Resolution.

Date

Faye Thomas, Clerk of the Board

Table 1: Total Amount of Available Funds			
Funding Source	Available Project Funds	Grant Number	Comment
Carl Moyer Program	\$44,037,808 (Year 25)	G22-MO-27	FY 2022-23 total grant award: \$46,973,662***
	\$22,138,784 (Year 26)	G23-MO-28	FY 2023-24 total grant award: \$47,229,407***; Remaining project funds to be allocated towards eligible zero-emission infrastructure projects under Program Announcement PA2024-02
Carl Moyer/State Reserve Interest Funds*	\$3,525,003	N/A	Total unobligated interest funds in Fund 32 as of 6/1/2021 through 5/31/2023 including interest from both Carl Moyer and State Reserve Programs.
AB 923 Match Funds	\$5,989,141 (Year 25)	N/A	Required match for Carl Moyer Program Year 25, less 15% as South Coast AQMD's in-kind contribution allowed by the Carl Moyer Program.
	\$6,021,749 (Year 26)	N/A	Required match for Carl Moyer Program Year 26, less 15% as South Coast AQMD's in-kind contribution allowed by the Carl Moyer Program.
FARMER and FARMER Interest	\$1,325,156 (Year 5)	G22-AGIP-17	FY 2022-23 total grant award: \$1,413,500***
	\$662,625 (Year 6)	G23-AGIP-16	FY 2023-24 total grant award: \$706,800***
	\$58,009	N/A	Total unobligated interest funds in Fund 32 from FARMER Program
Community Air Protection Program Incentives	\$92,624,800	G21-MCAP-24	FY 2021-22 total grant award: \$98,799,786***
	\$20,304,385**	G22-MCAP-23	FY 2022-23 total grant award: \$91,199,803***
Total	\$196,687,460		

*These interest funds are comprised of \$2,971,922 from SB 1107, \$382,614 in SB 129, and \$170,467 State Reserve interest funds.

**This amount represents 22 percent of the FY 2022-23 CAPP Incentives that are available for projects in this Board letter. Staff will be working with AB 617 community members on investment strategies and plans, as needed, for the remaining funds.

***Including 6.25% administration fund

Table 2: Carl Moyer Program Awards

Applicant	Project Category	Recommended Award
805 Discing and Grading Inc.	Off-Road - Agriculture	\$408,523
Acton-Agua Dulce Unified School District	Zero-Emission Infrastructure	\$379,250
Agriscap Inc.	Off-Road - Agriculture	\$294,650
Air Products and Chemicals, Inc (Cabazon)	Zero-Emission Infrastructure	\$5,847,302
Altman Specialty Plants, LLC	Off-Road - Agriculture	\$42,530
American Metal Recycling, Inc.	Off-Road	\$186,982
AmNav Maritime, LLC*	Marine	\$2,952,994
Anaheim Transportation Network	On-Road	\$274,133
Anaheim Union High School District	Zero-Emission Infrastructure	\$109,099
Anthony Vineyards, Inc.	Off-Road - Agriculture	\$179,196
Ardent Mills, LLC	Locomotive	\$515,609
Balboa Boat Yard of California, Inc.	Marine	\$113,813
Balboa Island Ferry*	Marine	\$1,776,546
Balmoral Farm, Inc.	Off-Road - Agriculture	\$127,920
Bautista Creek Ranches, Inc.	Off-Road - Agriculture	\$94,375
Baydelta Maritime LLC*	Marine	\$2,545,863
Belk Farms, LLC	Off-Road - Agriculture	\$424,085
Berg Performance Horses LLC	Off-Road - Agriculture	\$15,704
Betty-G Sportfishing, Inc.	Marine	\$75,589
Boersma Dairy, Inc.*	On-Road	\$85,503
Boersma Dairy, Inc.	Off-Road - Agriculture	\$1,665,196
Brodasi Organic Farms, Inc.	Off-Road - Agriculture	\$399,492
C & C Scrap Services, Inc. DBA D&M Metals	Off-Road	\$75,603
C & C Scrap Services Inc. DBA Pomona Scrap Metals	Off-Road	\$212,861
C. Smith Transport Inc., DBA CST Organic Recycling	Off-Road - Agriculture	\$1,522,920
Cabo Determined. LLC	Marine	\$297,600
California Steel Industries, Inc	Off-Road	\$9,639
Calm Seas LLC	Marine	\$131,595
Caplinger Construction, Inc.	Off-Road	\$161,212
Catalina Gardens - Redlands LLC	Off-Road - Agriculture	\$64,223
Chino Valley Dairy Products, Inc.	Off-Road - Agriculture	\$745,621
City of Fountain Valley	On-Road	\$187,331

Table 2: Carl Moyer Program Awards

Applicant	Project Category	Recommended Award
Clark & Sons Inc	Off-Road	\$249,057
Coburn Equipment Rentals Inc.	Off-Road	\$3,815,749
Consolidated Disposal Service, LLC (Long Beach)	On-Road	\$319,248
Cordell Smith	Off-Road - Agriculture	\$784,188
Corona Cattle, Inc.	Off-Road - Agriculture	\$134,593
Crescenta Valley Water District	Off-Road	\$31,114
Del Mar Sportfishing	Marine	\$176,182
Demler Farms LLC	Off-Road - Agriculture	\$70,560
DeRoy Joseph Wiest	Off-Road - Agriculture	\$186,162
Desert Custom Farming, Inc.	Off-Road - Agriculture	\$89,330
Dolphin Safari Inc.	Marine	\$164,174
Domenigoni Brothers Ranch, LP	Off-Road - Agriculture	\$290,341
Dunham Enterprises DBA Gary Dunham Dozer Rental	Off-Road	\$488,291
Dutchboy Trucking, Inc.	Off-Road - Agriculture	\$60,316
DYT Dairy	Off-Road - Agriculture	\$259,973
Earthworks Soil Amendments, Inc.	Off-Road	\$73,922
El Dorado Dairy	Off-Road - Agriculture	\$665,443
Emerald Acres LLC	Off-Road - Agriculture	\$3,297,000
Falls Family Enterprises Inc. DBA JSH Trucking	On-Road	\$352,624
Fischer Inc.	Off-Road	\$53,191
Five Star Blade and Tractor Service LLC*	Off-Road	\$36,353
Foss Maritime Company, LLC*	Marine	\$1,735,658
G.I. Trucking Company DBA Estes Express Lines	On-Road	\$1,379,932
Gurpartap S. Gill	Off-Road - Agriculture	\$104,400
Hartfield Construction Corp.	Off-Road	\$80,927
Hondo Framing, Inc.	Off-Road	\$63,883
Hunter Logistics Los Angeles Inc.	On-Road	\$353,672
Inland Metal Recycling Co., Inc.	Off-Road	\$258,714
Irvine Valencia Growers	Off-Road - Agriculture	\$454,311
James Jay Tevelde	Off-Road - Agriculture	\$142,352
JBT, Inc.	Off-Road - Agriculture	\$739,716
Donald Joseph Arias	Off-Road - Agriculture	\$257,823
Jorge Manuel Maldonado Torres	Off-Road - Agriculture	\$163,056

Table 2: Carl Moyer Program Awards

Applicant	Project Category	Recommended Award
Jose Abel Beltran	Off-Road - Agriculture	\$113,062
Joseph Anthony Russo	Marine	\$304,800
Kareem Ahmed	Off-Road - Agriculture	\$59,152
Knight Transportation Inc	On-Road	\$122,929
Lineage Logistics, LLC*	Zero-Emission Infrastructure	\$2,251,200
Long Life Farms, Inc.	Off-Road - Agriculture	\$69,616
Lucky Farms, Inc.	On-Road	\$360,000
Lucky Farms, Inc.**	Off-Road - Agriculture	\$914,294
M. H. Uyekawa, Inc.	Off-Road	\$250,000
M.K.P. Construction, Incorporated	Off-Road	\$55,010
MBA Grading and Demolition, Inc.	Off-Road	\$1,056,321
McMinn Equipment Rental and Leasing, Inc.	Off-Road	\$866,905
NFI Interactive Logistics, LLC	Zero-Emission Infrastructure	\$5,000,000
NorthHills Recycling, Inc.	Off-Road	\$301,700
O & S Holsteins, LP	Off-Road - Agriculture	\$173,145
Oak Glen Winery LLC	Off-Road - Agriculture	\$117,536
Ocean Explorer, Inc.	Marine	\$152,468
Organic Depot, LLC	Off-Road - Agriculture	\$2,615,000
Overkill Ventures IV LLC	Marine	\$395,301
Pacific Mistress Sport Fishing	Marine	\$125,600
Peed Equipment Company	Off-Road	\$4,211,250
Philip Ambrose Viramontes	Off-Road - Agriculture	\$209,556
Postal Delivery Systems LLC*	On-Road	\$675,000
Prado Recreation Incorporated	Off-Road - Agriculture	\$938,746
Pro-Organic Farms, LLC	Off-Road - Agriculture	\$750,087
Quality Growers, Inc.	Off-Road - Agriculture	\$599,859
Rainbow Disposal Co., Inc.	On-Road	\$34,823
Rainbow Disposal Co., Inc.	Zero-Emission Infrastructure	\$222,704
Rentrac, Inc.	Off-Road	\$3,922,112
RPM Transportation, Inc.	On-Road	\$4,288,074
SA Recycling LLC	Off-Road	\$117,710
San Pedro Pride, Inc.	Marine	\$2,106,665
Scott Bros. Dairy Farms, L.P.	Off-Road - Agriculture	\$473,453
SoCal Fish Co, LLC	Marine	\$200,000

Table 2: Carl Moyer Program Awards		
Applicant	Project Category	Recommended Award
Southwest Dairy Incorporated	Off-Road - Agriculture	\$197,309
Spruce Grove, Inc.	Off-Road - Agriculture	\$214,174
T.G.I. Equipment Corporation	Off-Road	\$4,169,613
Talley Meadows Layups and Retirement, Inc.	Off-Road - Agriculture	\$159,628
Thermiculture Management Inc.	Off-Road - Agriculture	\$212,076
Tina McMinn Equipment Rental, Inc.	Off-Road	\$115,969
Tudor Ranch, Inc.	Off-Road - Agriculture	\$199,569
Universal City Studios LLC	Off-Road	\$3,450,360
Washburn Grove Management, Inc.	Off-Road - Agriculture	\$384,545
WE Inc	Off-Road - Agriculture	\$730,712
West Coast Turf	Off-Road - Agriculture	\$150,754
Whittier Fertilizer Company	Off-Road	\$108,274
Zenix Transportation, Inc.	On-Road	\$356,000
Total:		\$83,758,275

*This project is pending CARB case-by-case approval.

**This project is partially awarded \$914,294. A majority of the project to replace 8 off-road equipment is recommended for funding, with \$109,490 of the remaining project to replace two off-road equipment placed on the backup list.

Table 3: CAPP Incentive Awards in AB 617 Communities				
AB 617 Community	Applicant	Project Category	Recommended Award	Total
East Los Angeles / Boyle Heights / West Commerce	Penske Truck Leasing Co., L.P. (Montebello)	Zero-Emission Infrastructure	\$2,426,556	\$61,723,814
	Southern California Regional Rail Authority*	Locomotive	\$59,297,258	
Eastern Coachella Valley	AAA Farms, Inc.	Off-Road - Agriculture	\$826,733	\$10,770,520
	AgSer Contracting	Off-Road - Agriculture	\$260,235	
	Amazing Coachella, Inc.	Off-Road - Agriculture	\$991,440	
	Anthony Vineyards, Inc.	Off-Road - Agriculture	\$295,920	
	Antonio Ramirez dba Coachella Valley Land Preparation	Off-Road	\$304,319	
	Archuleta Excavating Inc.	Off-Road	\$22,256	

Table 3: CAPP Incentive Awards in AB 617 Communities

AB 617 Community	Applicant	Project Category	Recommended Award	Total
	Belk Farms, LLC	Off-Road - Agriculture	\$945,568	
	Desert Custom Farming, Inc.	Off-Road - Agriculture	\$253,150	
	Desert Mist Farms, LLC	Off-Road - Agriculture	\$230,945	
	Francisco Mendoza	Off-Road - Agriculture	\$82,854	
	Gabriel Valenzuela	Off-Road - Agriculture	\$114,646	
	Hacienda de Trampas, Inc.	Off-Road - Agriculture	\$151,441	
	Hadley Date Gardens, Inc.	Off-Road - Agriculture	\$335,644	
	Ignacio Partida	Off-Road - Agriculture	\$145,457	
	Jaime Franco Serratos	Off-Road - Agriculture	\$131,182	
	Jesus Campos	Off-Road - Agriculture	\$94,820	
	Jose Aceves Aquino	Off-Road - Agriculture	\$47,410	
	Jose Luis Montoya Lopez	Off-Road - Agriculture	\$38,791	
	Juan Manuel Magaña	Off-Road - Agriculture	\$182,705	
	Junior Enterprises, LLC	Off-Road - Agriculture	\$482,550	
	Larsen Land & Cattle Co., LLC	Off-Road - Agriculture	\$178,350	
	LB Harvesting, Inc.	Off-Road - Agriculture	\$21,062	
	Long Life Farms, Inc.	Off-Road - Agriculture	\$1,218,458	
	SA Recycling LLC	Off-Road	\$61,605	
	Santiago Figueroa Felix	Off-Road - Agriculture	\$68,468	
	Siri and Son Farms, Inc.	Off-Road - Agriculture	\$402,329	
	Sun and Sands Enterprises, LLC	Off-Road - Agriculture	\$571,098	
	Sunland Cactus Nursery	Off-Road - Agriculture	\$240,179	

Table 3: CAPP Incentive Awards in AB 617 Communities				
AB 617 Community	Applicant	Project Category	Recommended Award	Total
	Sunwest Farms LLC	Off-Road - Agriculture	\$422,072	
	Thermiculture Management Inc.	Off-Road - Agriculture	\$495,714	
	Tudor Ranch, Inc.	Off-Road - Agriculture	\$656,631	
	Van Drunen Farms - Golden State Herbs, Inc.	Off-Road - Agriculture	\$96,996	
	West Coast Turf	Off-Road - Agriculture	\$399,492	
South Gate / Huntington Park / Cudahy / Bell Gardens	Air Products and Chemicals, Inc (Santa Fe Springs)	Zero-Emission Infrastructure	\$3,646,956	\$3,720,778
	SA Recycling LLC	Off-Road	\$73,822	
South Los Angeles	Consolidated Disposal Service, LLC (Gardena)	On-Road	\$135,459	\$3,863,181
	Consolidated Disposal Service, LLC (Gardena)	Zero-Emission Infrastructure	\$384,833	
	Gateway EV Fleets, LLC (Gardena)	Zero-Emission Infrastructure	\$1,013,777	
	Harbor Team Logistics, Inc.	On-Road	\$1,230,000	
	King Fio Trucking, LLC	On-Road	\$472,676	
	King Fio Trucking, LLC	Zero-Emission Infrastructure	\$293,728	
	M.K.P. Construction, Incorporated	Off-Road	\$26,451	
	SA Recycling LLC	Off-Road	\$58,855	
	U.S. Gold Cargo Inc	On-Road	\$247,402	
Wilmington / West Long Beach / Carson	Air Products and Chemicals, Inc (San Pedro)	Zero-Emission Infrastructure	\$5,847,302	\$32,850,892
	Alright Already LLC	Marine	\$294,400	
	American Marine Corporation	Marine	\$262,310	
	Augello Enterprises, LLC	Marine	\$636,000	
	Barbara H Fishing, LP	Marine	\$522,400	
	Baydelta Maritime LLC*	Marine	\$336,050	
	Blue Dragon Seafood	Marine	\$183,157	
	BNSF Railway Company	Zero-Emission Infrastructure	\$925,000	
	Catalina Classic Cruises, Inc.	Marine	\$724,800	

Table 3: CAPP Incentive Awards in AB 617 Communities

AB 617 Community	Applicant	Project Category	Recommended Award	Total
	Consolidated Disposal Service, LLC (Long Beach)	Zero-Emission Infrastructure	\$579,031	
	Crowley Marine Services, Inc.	Zero-Emission Infrastructure	\$6,000,000	
	Curtin Maritime Corp.	Marine	\$992,801	
	Foss Maritime Company, LLC*	Marine	\$5,261,686	
	Gregory Kuglis	Marine	\$158,400	
	Jason Chrupcala	Marine	\$297,600	
	LBCT LLC	Zero-Emission Infrastructure	\$293,075	
	LBCT LLC*	Off-Road	\$684,000	
	MLI Leasing, LLC	On-Road	\$756,844	
	Penske Truck Leasing Co., L.P. (Carson)	Zero-Emission Infrastructure	\$633,451	
	RoadEx CY, Inc.	Zero-Emission Infrastructure	\$2,340,448	
	Rove Operating, LLC (Long Beach)	Zero-Emission Infrastructure	\$500,000	
	San Pedro Bait Co.	Marine	\$554,402	
	Total Terminals International, LLC	Off-Road	\$574,857	
	United Logistic Services Group Inc.	On-Road	\$1,174,690	
	Voltera Power, LLC	Zero-Emission Infrastructure	\$2,318,188	
Total:				\$112,929,185

*This project is pending CARB case-by-case approval.

Table 4: Recommended List of Backup Projects

Applicant	Project Category	Recommended Award
Alto Xpress, Inc.	Zero-Emission Infrastructure	\$100,735
ARK Leasing, Inc.	On-Road	\$1,793,689
City of Lomita	On-Road	\$5,529
Commercial Rock Co.	On-Road	\$709,236
Drake Family Farms, Inc	Off-Road - Agriculture	\$25,749
Earthworks Soil Amendments, Inc.	Off-Road	\$29,722
Ecology Auto Parts, Inc.	On-Road	\$6,423,159
EV Charging Solutions, Inc.	Zero-Emission Infrastructure	\$142,300
G.I. Trucking Company DBA Estes Express Lines	On-Road	\$2,223,895
Gateway EV Fleets, LLC	Zero-Emission Infrastructure	\$1,701,241
Hua Sheng Fresh Produce Farm Inc	Off-Road - Agriculture	\$31,162
JMJ Sportfishing, Inc.	Marine	\$13,482
Lucky Farms, Inc.**	Off-Road - Agriculture	\$109,490
Marina del Rey Bait Company, Inc.	Marine	\$54,341
Mission Springs Water District	Off-Road	\$54,600
RLN Equipment Leasing, LLC	Off-Road - Agriculture	\$28,058
Pena Nursery	Off-Road - Agriculture	\$49,479
Penske Truck Leasing Co., L.P.	Off-Road - Agriculture	\$3,332,726
Postal Delivery Systems LLC*	On-Road	\$2,585,675
Prado Recreation Incorporated	Off-Road - Agriculture	\$129,849
Rove Operating, LLC	Zero-Emission Infrastructure	\$1,000,000
SA Recycling LLC	Off-Road	\$144,126
San Clemente Sportfishing, Inc. DBA Dana Wharf Sportfishing	Marine	\$66,227
Shinkle and Sons' Greenhouses, Inc.	Off-Road	\$345,827
Southern California Regional Rail Authority	Locomotive	\$87,447,233
Spruce Grove, Inc.	Off-Road - Agriculture	\$49,163
Unifirst Corporation	Zero-Emission Infrastructure	\$154,223
Total:		\$108,750,916

*This project is pending CARB case-by-case approval.

**A majority of this project award of \$914,294 to replace 8 off-road equipment was included in Table 2.

Agenda Item #1

Execute Contracts, Adopt Resolutions to Recognize Funds and Reimburse General Fund to Implement Year 25 & 26 Carl Moyer, SOON, FARMER and Community Air Protection Programs, and Appropriate Funds for Carl Moyer Program GMS

Walter Shen

Background

- Program Announcement for the Carl Moyer and SOON Programs opened in December 2022 and closed in May 2023
- Oversubscribed
 - Over \$400 million in requested funding for over 900 projects
- Total Project Funds Available:



Funding Source	Grant Amount
Carl Moyer Funds (SB 1107) (Year 25 & 26)	\$66,176,592
Carl Moyer/State Reserve Interest	\$3,525,003
Carl Moyer District Match (AB 923)	\$12,010,890
FARMER Funds (Year 5 & 6)	\$2,045,790
CAPP Incentives (Year 5 & 6)	\$112,929,185
Total	\$196,687,460

Background (cont'd)

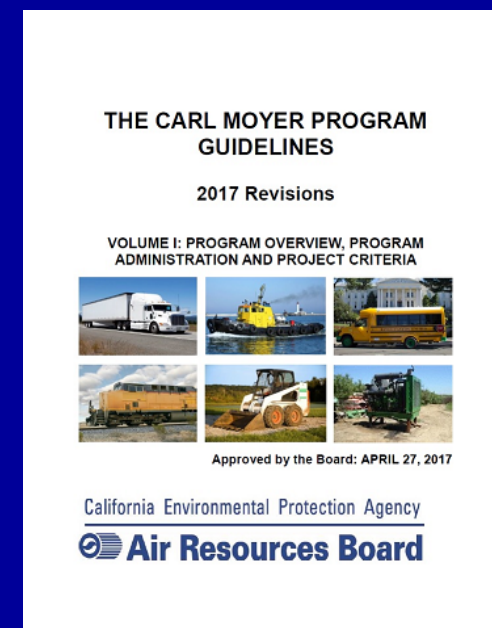


- Available Funding Sources:
 - Carl Moyer funding (Years 25 and 26)
 - FARMER funding (Year 5 and 6)
 - CAPP Incentives (Year 5 and 6)
- Over 60% of projects received through Carl Moyer are zero-emission or supporting zero-emission projects
- Outreach
 - AB 617 Community Steering Committee meetings
 - Coordination with Ports of LA and Long Beach
 - Emails and Social Media



Proposal

- All projects were evaluated based on CARB's Carl Moyer Program Guidelines (April 2017)
 - Approximately 75% of all eligible projects will benefit overburdened communities
- Priority given to most cost-effective projects and projects with direct benefits to AB 617 communities
- Backup Projects
 - Future program priorities or returned or additional funding from Carl Moyer, FARMER and CAPP Program
 - To meet other air quality priorities and funding allocations for actions in the Community Emission Reduction Plans by the AB 617 Community Steering Committees



Benefits to South Coast AQMD

Program	Estimated Emission Reductions (tons/year)	
	NOx	PM
Carl Moyer/SOON Provision	324	7
FARMER	13	1
CAPP Incentives	121	6
Total	458	14

Recommended Actions

- Authorize Chair to execute contracts for Carl Moyer, SOON and CAPP Programs in amount not to exceed \$196,687,460 and to execute contracts from backup projects
- Authorize EO to redistribute source of funds within and/or between Carl Moyer Program (including SOON, State Reserve, FARMER, associated interest & match funds), Prop 1B, On-Road Voucher Incentive Program, Rule 2202 AQIP and CAPP Incentives to meet program and liquidation requirements
- Adopt Resolutions recognizing up to \$47,229,407, up to \$706,800 and up to \$88,919,808 in FY 23/24 Carl Moyer, FARMER and CAPP Programs, respectively

Recommended Actions (cont'd)

- Reimburse the General Fund for administrative costs related to the Carl Moyer, FARMER and CAPP Programs in an amount not to exceed \$2,951,838, \$44,175 and \$5,557,488, respectively
- Transfer and appropriate up to \$200,000 into Information Management's FY 2023-24 and/or 2024-25 Budget, Services and Supplies and/or Capital Outlays Major Objects

Technology Committee Agenda #2

BOARD MEETING DATE: February 2, 2024

AGENDA NO.

PROPOSAL: Recognize Funds and Execute MOU with City of Irvine for Lawn and Garden Equipment Projects

SYNOPSIS: South Coast AQMD administers and implements both the Residential Electric Lawn Mower Rebate and the Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program. The City of Irvine would like to partner with South Coast AQMD to fund zero-emission lawn and garden equipment replacement projects for residents and businesses operating within the City of Irvine. These actions are to: 1) authorize the Executive Officer to execute an MOU with the City of Irvine to contribute \$300,000 towards South Coast AQMD's programs that fund zero-emission lawn and garden equipment replacement projects for residents and businesses in the City of Irvine; and 2) recognize funds from the City of Irvine up to \$18,750 into the General Fund for administrative costs of implementing the MOU.

COMMITTEE: Technology, January 19, 2024; Recommended for Approval

RECOMMENDED ACTIONS:

1. Authorize the Executive Officer to execute an MOU with the City of Irvine to contribute \$300,000 towards South Coast AQMD's programs that fund zero-emission lawn and garden equipment replacement projects for residents and businesses residing and operating within the City of Irvine; and
2. Recognize funds, upon receipt, up to \$18,750 from the City of Irvine into the General Fund, to be used for administrative costs of implementing the MOU.

Wayne Nastri
Executive Officer

Background

South Coast AQMD administers and implements the Residential Electric Lawn Mower Rebate Program and the Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program. The City of Irvine has proposed to phase-out gasoline- and diesel-powered lawn and garden equipment within its city limits by January 1, 2025. To assist in the transition, the City of Irvine proposes to contribute up to \$300,000 towards South Coast AQMD's programs to incentivize equipment replacement for residents and businesses in the City of Irvine and pay administrative fees of up to \$18,750. South Coast AQMD will assist the City of Irvine to replace lawn and garden equipment with electric equipment through the South Coast AQMD's Residential Electric Lawn Mower Rebate and the eL&G Programs. South Coast AQMD may also identify technology demonstration and pilot projects that facilitate the shift from gasoline- or diesel-powered lawn and garden equipment to zero-emission technologies. South Coast AQMD staff will review program applications and submit a list of eligible program participants or qualified projects to the City of Irvine for funding. The City of Irvine will issue payments directly to the program participants and retailers, up to the total amount of \$300,000. Eligible applicants that reside or operate in areas outside the City of Irvine will continue to be funded through the existing South Coast AQMD Lawn and Garden programs while funding is available.

Proposal

This action is to authorize the Executive Officer to execute an MOU with the City of Irvine to contribute \$300,000 towards South Coast AQMD's programs that fund zero-emission lawn and garden equipment replacement projects for residents and businesses residing and operating within the City of Irvine. This action is to also recognize funds, upon receipt, up to \$18,750 from the City of Irvine into the General Fund for administrative costs.

Benefits to South Coast AQMD

The successful implementation of this program is estimated to result in the annual emission reductions of 0.08 tons of NO_x, 0.64 tons of ROG, and 0.007 tons of PM. The transition from high polluting gasoline- or diesel-powered lawn and garden equipment to zero-emission equipment will result in direct air quality benefits to the community.

Resource Impacts

This action will involve the receipt of revenues from the City of Irvine up to \$18,750 in administrative costs, which will be recognized into the General Fund. The amount up to \$300,000 will be paid by the City of Irvine directly to eligible program participants.

Agenda Item #2

Recognize Funds and Execute
MOU with the City of Irvine for
Lawn and Garden Equipment Projects

Yuh Jiun Tan

Background

- South Coast AQMD currently administers the Residential Electric Lawn Mower Rebate Program and Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program
- The City of Irvine is banning the use of gas-powered leaf blowers starting July 1, 2024 and other gas-powered equipment starting January 1, 2025
- To assist in the transition, the City of Irvine is allocating up to \$300,000 to fund zero-emission lawn and garden projects within the city boundaries



Project Selection

- Gas and diesel powered lawn and garden replacement projects will be selected through the South Coast AQMD's Residential Electric Lawn Mower Rebate Program and the Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program
- Projects must be within the City of Irvine



Recommended Actions

- Recognize funds, upon receipt, up to \$18,750 from the City of Irvine into the General Fund for administrative cost
- Authorize the Executive Officer to execute a Memorandum of Understanding with the City of Irvine to allocate \$300,000 toward South Coast AQMD's Lawn and Garden program to fund zero-emission lawn and garden projects

BOARD MEETING DATE: February 2, 2024

AGENDA NO.

PROPOSAL: Execute Contract to Demonstrate Off-Grid Electrical Fast Charging Solution to Support UCLA’s Electric Fleet

SYNOPSIS The University of California Los Angeles (UCLA) is committed to a sustainability goal and has a comprehensive transportation plan to reduce its environmental impact, including electrifying its fleet. However, upgrading the electrical infrastructure will take some time. To address the infrastructure challenge, UCLA plans to demonstrate an interim off-grid charging solution in partnership with GenCell, Inc. This action is to execute a contract with GenCell, Inc. to develop and demonstrate an off-grid fast charging solution to support UCLA’s electric fleet in an amount not to exceed \$200,000 from the Clean Fuels Program Fund (31).

COMMITTEE: Technology, January 19, 2024; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Chair, or on the Chair’s behalf, the Executive Officer, to execute a contract with GenCell, Inc. to develop and demonstrate an off-grid fast charging solution to support UCLA’s electric fleet in an amount not to exceed \$200,000 from the Clean Fuels Program Fund (31).

Wayne Natri
Executive Officer

AK:MW:VP:MH

Background

UCLA is committed to achieving an aggressive sustainability goal and has devised a comprehensive transportation plan to minimize its environmental impact on the community. A critical element of this plan is the electrification of its fleet which consists of a range of vehicles, from heavy-duty buses to golf carts. With over 1,000 vehicles on campus, UCLA has set a near term target of operating 60 percent of its fleet

on alternative energy sources. While UCLA is working on upgrading to its electrical infrastructure, this process will take several years. The challenges with infrastructure upgrades has implications for UCLA to transition to an electric fleet and meeting its decarbonization goals, which also impacts the regional air quality. In partnership with UCLA, GenCell, Inc. (GenCell) intends to pilot the GenCell EVOX charging solution to assess its full capability and verify performance. GenCell envisions a long-term partnership to promote sustainable transportation and infrastructure development.

Proposal

GenCell proposes to install and evaluate the novel off-grid direct current (DC) fast charging solution, GenCell EVOX. GenCell will provide and install the electrical infrastructure necessary to provide the fast-charging capability at a UCLA vehicle maintenance facility for the expansion of electric vehicles in place of a grid upgrade. Vehicles include campus police, maintenance, hospital transport buses, and other administrative cars. The unit is intended to transform the existing single-phase power to three-phase power and increase the available grid power using hydrogen to power a fuel cell. In addition, this unit is capable of supplying off-grid power during grid power outages.

South Coast AQMD funding will be used to develop, build, test, validate, and demonstrate this charging solution. This action is to execute a contract with GenCell that does not exceed \$200,000 from the Clean Fuels Program Fund (31).

Sole Source Justification

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. This request for sole source award is made under the following justifications: B.2.c.(2) The project involves the use of proprietary technology; B.2.C.(3) The contractor has ownership of key assets required for project performance; and B.2.d(1) Project involving cost-sharing by multiple sponsors. The proposed project will demonstrate GenCell's proprietary technology and include in-kind contributions and cost-share by UCLA and GenCell.

Benefits to South Coast AQMD

Projects to support the development and demonstration of zero-emission vehicle technologies and supporting infrastructure are included in the Technology Advancement Office Clean Fuels Program 2023 Plan Update under the "Zero Emission Infrastructure." This project is to develop and demonstrate an off-grid DC fast-charging solution for goods movement electrification. Implementation of this project is consistent with the 2022 AQMP, which relies on zero-emission technologies to achieve National Ambient Air Quality Standards for ozone and PM2.5. Additionally, this project assists in reducing diesel PM, which is a carcinogen, by advancing zero-emission vehicle technologies and infrastructure. The successful demonstration of the fast-charging solution system, which transforms alternative energy sources including solar, grid,

wind, and fuel cell and provides off-grid power during grid loss, will serve as a model to build confidence among end-users and provide rapid deployment and mobility around their facilities, and offer temporary solutions to electrification projects.

Resource Impacts

The total cost for the proposed project is \$1,187,092, of which South Coast AQMD’s proposed contribution will not exceed \$200,000 from the Clean Fuels Program Fund (31), as summarized below.

Proposed Zero Emission Port Demonstration Project Costs

Source	Funding Amount	% of Total Cost
GenCell, Inc.	\$805,500	68
UCLA	\$181,592	15
South Coast AQMD (proposed)	\$200,000	17
Total	\$1,187,092	100

Sufficient funds are available in the Clean Fuels Program Fund (31) for this proposed project. The Clean Fuels Program Fund (31) is established as a special revenue fund resulting from the state mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

Agenda Item #3

Execute Contract to Demonstrate an Off-Grid
Electrical Fast Charging Solution to Support
UCLA's Electric Fleet

Maryam Hajbabaei

Background

- UCLA developed comprehensive transportation plan to achieve sustainability goals
- Delays in electrical infrastructure upgrades are impacting:
 - Use of electric fleet
 - Ability to meet decarbonization and air quality goals



Proposal

- GenCell, Inc proposes to install and evaluate GenCell EVOX, an off-grid DC fast charging
- Installation at UCLA's vehicle maintenance facility
 - Provides necessary electrical infrastructure
 - Allows for expansion of electric vehicles in place of grid upgrades
 - Rapid deployment and mobility around the facility



Resource Impacts

Source	Funding Amount \$	Project %
GenCell, Inc.	\$805,500	68%
UCLA	\$181,592	15%
<i>South Coast AQMD (Proposed)</i>	<i>\$200,000</i>	<i>17%</i>
Total Project Cost	\$1,187,092	100%

Recommended Action

Authorize the Executive Officer to execute a contract with GenCell, Inc. to develop and demonstrate an off-grid fast charging solution to support the UCLA electric fleet in an amount not to exceed \$200,000 from the Clean Fuels Program Fund (31)

Technology Committee Agenda #4

BOARD MEETING DATE: February 2, 2024

AGENDA NO.

PROPOSAL: Execute Contract to Replace and Expand Existing Hydrogen Refueling Station at South Coast AQMD Headquarters

SYNOPSIS For over a decade, South Coast AQMD hosted a hydrogen refueling station at its headquarters that is part of a CEC award to Air Products and Chemicals, Inc. The current station's capacity to provide hydrogen refueling is limited. Recently, FirstElement Fuel, Inc. received a CEC grant in the amount of \$42.6 million to develop publicly accessible advanced hydrogen refueling stations. Additional funding is sought to clean up the site and expedite the replacement of the existing station. This action is to execute a contract with FirstElement to replace and expand the existing hydrogen refueling station at South Coast AQMD headquarters in an amount not to exceed \$750,000 from the Clean Fuels Program Fund (31).

COMMITTEE: Technology, January 19, 2024; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Chair, or on the Chair's behalf, the Executive Officer, to execute a contract with FirstElement Fuel, Inc. to replace and expand the existing hydrogen refueling station at South Coast AQMD headquarters and clean up the site in an amount not to exceed \$750,000 from the Clean Fuels Program Fund (31).

Wayne Natri
Executive Officer

AK:MW:VP:MH

Background

South Coast AQMD has been operating hydrogen refueling stations at its headquarters for close to two decades. The current station is one of eight stations in California that was established with an award from the CEC to Air Products and Chemicals, Inc. over a

decade ago. However, the hydrogen refueling station has limited hydrogen dispensing capacity based on demand and is experiencing increased downtime largely due to aging equipment.

FirstElement was recently awarded a \$42.6 million grant from the CEC to design, construct, and expand a network of 46 high-performance hydrogen fueling stations across California. The objective of this initiative is to improve customer experience and optimize operational efficiency of hydrogen refueling stations which is crucial for the adoption of fuel cell electric vehicles (FCEVs). The new station will be integrated with telematics software management tool to keep track of the volume of vehicles being fueled on-site to help with managing fuel availability and customer demand. In addition, expanding hydrogen refueling capabilities will help with the adoption of FCEVs and reduce hydrogen dispensing costs, making these vehicles more accessible and economically viable to consumers.

Proposal

FirstElement proposes to replace the existing hydrogen refueling station at South Coast AQMD headquarters with four fueling stations. This Diamond Bar station is the main hydrogen refueling station in the area with the nearest stations located in a 15-mile radius in Baldwin Park and Placentia. The new upgraded station will be capable of dispensing up to 1,600 kg/day of hydrogen through the use of liquid hydrogen storage capable of supporting the refueling of up to 600 FCEVs daily compared to the existing station with a capacity of 250 kg/day of hydrogen capable of supporting 100 FCEVs. Once the existing equipment is removed from the current location, FirstElement will perform site clean-up to remove any wiring and remaining equipment below the ground level and prepare the site prior to the installation of the refueling station equipment.

South Coast AQMD funding will be used to expedite the construction and installation of the new station and cleanup the site after the existing hydrogen refueling station equipment is removed. This action is to execute a contract with FirstElement to replace and expand the existing hydrogen refueling station at South Coast AQMD headquarters, in an amount not to exceed \$750,000 from the Clean Fuels Program Fund (31). The clean-up funds and support funds can be used interchangeably.

Sole Source Justification

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. This request for a sole source award is made under provision B.2.d.: Other circumstances exist which in the determination of the Executive Officer require such a waiver in the best interest of South Coast AQMD. Specifically, these circumstances are B.2.d.(1): Project involving cost-sharing by multiple sponsors. The proposed projects will include in-kind contributions and cost-share by the CEC and FirstElement.

Benefits to South Coast AQMD

Projects to support the development and demonstration of zero-emission vehicle technologies and supporting infrastructure are included in the Technology Advancement Office Clean Fuels Program 2023 Plan Update under the category “Hydrogen and Fuel Cell Technologies and Infrastructure.” This project is to develop a higher performing hydrogen refueling station with greater capacity and capability, allowing the simultaneous fueling of four FCEVs. The liquid hydrogen fueling system is the most novel technology in the hydrogen stations operation. The replaced refueling station will support existing customers, create a more robust hydrogen supply chain with high capacity and lower station downtime that will encourage South Coast Air Basin residents to purchase and drive FCEVs. Implementation of this project is consistent with the 2022 AQMP, which relies on zero-emission technologies to achieve National Ambient Air Quality Standards for ozone and PM2.5. This new higher capacity refueling station will better serve the residents of the South Coast Air Basin and will assist in achieving California’s goal in creating a more expansive and reliable hydrogen refueling network throughout the state.

Resource Impacts

The total cost for the proposed project is \$3,830,000, of which South Coast AQMD’s proposed contribution will not exceed \$750,000 from the Clean Fuels Program Fund (31), as summarized below.

Proposed Zero Emission Demonstration Project Costs

Source	Funding Amount	% of Total Project Cost
CEC	\$1,580,000	41
FirstElement	\$1,500,000	39
South Coast AQMD (proposed)	\$750,000	20
Total	\$3,830,000	100

* Contingent on CEC approval

** South Coast AQMD proposed contribution will be used for site cleanup and expediting station installation

Sufficient funds are available in the Clean Fuels Program Fund (31) for this proposed project. The Clean Fuels Program Fund (31) is established as a special revenue fund resulting from the state mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

Agenda Item #4

Execute Contract to Replace and Expand Existing Hydrogen Refueling Station at South Coast AQMD Headquarters

Maryam Hajbabaei

Background

- For about two decades, South Coast AQMD has hosted hydrogen refueling station in Diamond Bar
- The existing hydrogen station has limited capacity and increasing downtime due to the aging equipment combined with high usage
- FirstElement Fuel, Inc. recently received a \$42.6M CEC award to develop publicly accessible advanced hydrogen refueling stations in California
- FirstElement proposes to invest \$3.1M for the development of a new hydrogen refueling station in Diamond Bar



Proposal

- FirstElement will replace the existing hydrogen refueling station at South Coast AQMD Headquarters
- FirstElement will perform site cleanup once the existing equipment is removed from the current location and prior to installing the new station
- The new station will have increased hydrogen dispensing capacity to fuel vehicles simultaneously



Resource Impacts

Source	Funding Amount \$	Project Cost %
CEC*	\$1,580,000	41%
FirstElement	\$1,500,000	39%
<i>South Coast AQMD** (Proposed)</i>	<i>\$750,000</i>	<i>20%</i>
Total Project Cost	\$3,830,000	100%

* Contingent on CEC approval

** South Coast AQMD proposed contribution will be used for site cleanup and expediting new station construction

Recommended Actions

Authorize the Executive Officer to execute a contract with FirstElement Fuel, Inc. to replace and expand the existing hydrogen refueling station at the South Coast AQMD Headquarters and clean up the site after the removal of the existing equipment in an amount not to exceed \$750,000 from the Clean Fuels Program Fund (31)