



# South Coast Air Quality Management District

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

## HYBRID TECHNOLOGY COMMITTEE MEETING

### Committee Members

Mayor Pro Tem Carlos Rodriguez, Committee Chair  
Supervisor Curt Hagman  
Mayor Patricia Lock Dawson  
Mayor Pro Tem Larry McCallon  
Supervisor Janet Nguyen  
Board Member Veronica Padilla-Campos

**August 15, 2025 ♦ 11:30 a.m.\***

**\*The Technology Committee will begin when the Stationary Source Committee has ended,  
but no earlier than 11:30 a.m.**

### TELECONFERENCE LOCATIONS

Riverside City Hall  
3900 Main Street  
7<sup>th</sup> Floor Conference Room  
Riverside, CA 92522

Huntington Beach Central Library- Balboa  
7111 Talbert Avenue  
Huntington Beach, CA 9264

**A meeting of the South Coast Air Quality Management District Technology Committee will be held at 11:30 a.m. on Friday, August 15, 2025 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)**

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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: (1-5)**

- 1. Approve Funds for Commercial Lawn & Garden and EV Charging Incentive Programs, and Adopt Resolution Recognizing Funds for FY 2024-25 Carl Moyer State Reserve (*Motion Requested*)**

Since 2017, South Coast AQMD has implemented the Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program. In 2023, the program was relaunched with funding from the Carl Moyer Memorial Air Quality Standards Attainment (Carl Moyer) Program. Allocation of an additional \$5,000,000 from the Carl Moyer Program is necessary to continue the Commercial eL&G Program. Additionally, in April 2024, CARB approved allocations from the FY 2024-25 Carl Moyer “Year 27” State Reserve Program to fund eligible off-road zero-emission (ZE) projects. These actions are to: 1) allocate up to \$5 million from the Carl Moyer Program SB 1107 Fund (32) (Grant#G22-MO-27) to the Commercial eL&G Program and authorize the Executive Officer to approve vouchers of up to \$5,000,000; 2) authorize the Executive Officer to approve participation of, and execute contracts with, interested manufacturers, dealers/retailers, and dismantlers who have satisfied Commercial eL&G Program eligibility requirements; 3) allocate up to \$200,000 from the Clean Fuels Fund (31) to support the Residential EV Charging Incentive Program; and 4) adopt a resolution recognizing up to \$5,239,970 in FY 2024-25 Carl Moyer State Reserve funds into Carl Moyer Program Fund (32) for eligible zero-emission off-road projects.

Alyssa Yan  
Program Supervisor
  
- 2. Issue RFP and Execute Contracts for Work Force Development Training for the CARE4Kids and ELECTRIC Programs (*Motion Requested*)**

In January 2025, the Board recognized funds from the U.S. EPA Clean Heavy-Duty Vehicles Grant for use in the CARE4Kids and ELECTRIC incentive programs. Up to \$500,000 each from the CARE4Kids and ELECTRIC Programs has been designated for workforce development and

Yuh Jiun Tan  
Program Supervisor

training focusing on the operation and maintenance of ZEVs and related infrastructure. These actions are to: 1) issue an RFP to solicit proposals for workforce development and training services; and 2) based on the results of the RFP, authorize the Executive Officer to execute contracts with qualified proposers for workforce development and training in amounts not to exceed \$500,000 from the CARE4Kids Program and \$500,000 from the ELECTRIC Program in Fund (17).

**3. Execute an Agreement and Transfer Funds in Support of INVEST CLEAN Program Implementation (*Motion Requested*)**

Nicole Silva  
Program Supervisor

In September 2024, the Board recognized a \$499,997,415 award from U.S. EPA to implement the INVEST CLEAN Program. In January 2025, the Board approved the execution of agreements with Alliance for Sustainable Energy, LLC (Alliance), for data collection and validation for INVEST CLEAN's incentive measures, and with SCAG to implement the Last Mile Freight Program (LMFP). Following approval from U.S. EPA, the University of California, Irvine (UCI) will assume the assigned tasks of the Alliance. Also, a temporary loan is necessary to implement the LMFP. These actions are to: 1) execute an agreement with the Regents of the University of California, on behalf of its Irvine Campus to conduct data collection and program performance validation in an amount not to exceed \$1,800,000 from U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90); and 2) transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to Fund (90) to reimburse SCAG's rebates for the deployment of the last mile freight vehicles until the U.S. EPA reimbursements are received into Fund (90).

**4. Authorize Carl Moyer and VW Programs to Fund Eligible Truck Projects Truck Projects with Program Eligible Low NOx Engines (*Motion Requested*)**

Ping Gui  
Program Supervisor

The Board approved Program Announcements (PAs) for the Carl Moyer Air Quality Standards Attainment Program (Carl Moyer Program) in 2022 and 2025, and Volkswagen Environmental Mitigation Trust Program (VW Program) in 2019 and 2021. These PAs solicited truck projects with 0.02 g/bhp-hr NOx-certified engines. Beginning with 2023 and newer model years, manufacturers no longer certify engines to the 0.02 g/bhp-hr NOx level; instead, they only certify to the 0.05 g/bhp-hr NOx level. Therefore, Board authorization is needed to fund 0.05 g/bhp-hr NOx-certified engines for eligible truck projects under the Carl Moyer and VW Programs. This action is to authorize the Executive Officer to fund eligible truck projects with engines certified to the 0.05 g/bhp-hr NOx standard under the Carl Moyer and VW Programs.

- 5. Approve Payments for Completed Contracts (*Motion Requested*)**  
The Board authorized the execution of contracts with Advanced Energy Machines LLC (AEM) to demonstrate battery-electric Transportation Refrigeration Units and the University of California, Davis (UC Davis) to perform the California Hydrogen Systems Analysis. The AEM and UC Davis projects were completed in 2024, but the final invoices were submitted significantly later after the contracts had expired. This action is to authorize the Executive Officer to approve final payments for the AEM and UC Davis.

Maryam Hajbabaei, Ph.D.  
Program Supervisor

**INFORMATIONAL ITEM:**

- 6. Prologis OnDemand Power Solutions**  
Presentation on how microgrids can help power data centers, logistics facilities, and clean mobility infrastructure.
- 7. 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)
- 8. 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.
- 9. Next Meeting Date**  
**Friday, September 19, 2025 at 12:00 p.m.**

JT Steenkamp  
Vice President,  
Projects and  
Technology-Prologis  
Mobility

**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](mailto: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](mailto: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.

BOARD MEETING DATE: September 5, 2025

AGENDA NO. X

**PROPOSAL:** Approve Funds for Commercial Lawn & Garden and EV Charging Incentive Programs, and Adopt Resolution Recognizing Funds for FY 2024-25 Carl Moyer State Reserve

**SYNOPSIS:** Since 2017, South Coast AQMD has implemented the Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program. In 2023, the program was relaunched with funding from the Carl Moyer Memorial Air Quality Standards Attainment (Carl Moyer) Program. Allocation of an additional \$5,000,000 from the Carl Moyer Program is necessary to continue the Commercial eL&G Program. Additionally, in April 2024, CARB approved allocations from the FY 2024-25 Carl Moyer “Year 27” State Reserve Program to fund eligible off-road zero-emission (ZE) projects. These actions are to: 1) allocate up to \$5 million from the Carl Moyer Program SB 1107 Fund (32) (Grant#G22-MO-27) to the Commercial eL&G Program and authorize the Executive Officer to approve vouchers of up to \$5,000,000; 2) authorize the Executive Officer to approve participation of, and execute contracts with, interested manufacturers, dealers/retailers, and dismantlers who have satisfied Commercial eL&G Program eligibility requirements; 3) allocate up to \$200,000 from the Clean Fuels Fund (31) to support the Residential EV Charging Incentive Program; and 4) adopt a resolution recognizing up to \$5,239,970 in FY 2024-25 Carl Moyer State Reserve funds into Carl Moyer Program Fund (32) for eligible zero-emission off-road projects.

**COMMITTEE:** Technology, August 15, 2025; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Allocate up to \$5 million from the Carl Moyer Memorial Air Quality Standards Attainment (Carl Moyer) Program SB 1107 Fund (32) (Grant#G22-MO-27) for the Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G)

Program and authorize the Executive Officer to approve vouchers up to \$5,000,000 for the Commercial eL&G Program;

2. Authorize the Executive Officer to approve and execute contracts with program eligible manufacturers, dealers/retailers, and dismantlers to participate in the Commercial eL&G Program;
3. Authorize the Executive Officer to allocate \$200,000 from Clean Fuels Fund (31) to support the Residential EV Charging Incentive Program; and
4. Adopt the attached Resolution to accept the terms and conditions of the FY 2024-25 Carl Moyer State Reserve funds and recognize up to \$5,239,970 in Carl Moyer State Reserve funds into the Carl Moyer Program Fund (32) to fund zero-emission (ZE) off-road projects.

Wayne Nastri  
Executive Officer

AK:MW:TL:AY:KM:JJ

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## **Background**

This Board Letter includes three programs and requests for the: (1) Commercial eL&G Program; (2) Residential EV Charging Incentive Program; and (3) Carl Moyer State Reserve Funds. Each of these programs is described below.

### Commercial eL&G Program Funds

The Carl Moyer Program provides incentive funds to reduce the incremental cost of purchasing cleaner-than-required engines, vehicles, and equipment. Since 2017, South Coast AQMD has implemented the Commercial eL&G Program. The Commercial eL&G Program replaces old gasoline- or diesel-powered commercial lawn and garden equipment with ZE, battery-electric equipment. Local governments, school districts, nonprofit organizations and commercial gardeners and landscapers have participated in the Commercial eL&G Program. In April 2024, the Board allocated an additional \$6,000,000 from the Carl Moyer Program SB 1107 Fund (32) for the Commercial eL&G Program. This allocation has been nearly exhausted, and additional funding is needed to continue the program.

Additionally, new and eligible manufacturers, dealers/retailers and dismantlers are interested in participating in the eL&G Program. Manufacturers, dealers/retailers and dismantlers are eligible by meeting the requirements outlined in the Carl Moyer Program Guidelines, the most recent of which can be found at the following link, [CMP Lawn and Garden](#).

### Residential EV Charging Incentive Program Funds

The Residential EV Charging Incentive Program provides an incentive to buy down the cost of hard-wired residential Level 2 (240V) chargers. The program is administered on a first-come, first-served basis for low-income qualified residents and provides up to a \$500 rebate. In September 2023, the Board allocated \$200,000 from the Clean Fuels Program Fund (31) for the Residential EV Charging Incentive Program. Since then, funding has been provided for over 400 chargers, and the allocated funds are nearly exhausted. Additional funds from the Clean Fuels Fund (31) are required to continue the program.

### Carl Moyer Program State Reserve Funds

Additionally, pursuant to Health and Safety Code Section 44286(d), CARB may reserve up to 10 percent of the Carl Moyer Program funds available each year for eligible projects. CARB reserves the sole authority to distribute the Carl Moyer Program State Reserve funds (State Reserve funds) each year. For FY 2024-25, CARB has allocated approximately \$12.35 million in the State Reserve funds available.

In May 2025, CARB approved allocations of the FY 2024-25 (Year 27) Carl Moyer Program State Reserve funds based on applications received from participating air districts. The allocation for South Coast AQMD is \$5,239,970, including 12.5 percent in administrative funds, which is approximately 42 percent of the total Carl Moyer Program State Reserve funds available. South Coast AQMD intends to use these funds for ZE off-road equipment projects and supporting infrastructure eligible for the Carl Moyer Program.

## **Proposals**

### Commercial eL&G Program Funds

Staff recommends allocating up to \$5,000,000 from the Carl Moyer Program SB 1107 Fund (32) (Grant# G22-MO-27) to continue the Commercial eL&G Program. This funding is expected to support the Commercial eL&G program for another year and will align with the requirements in the Carl Moyer Program guidelines. To expedite the implementation of the program, Staff also recommends allowing the Executive Officer to approve and execute contracts with manufacturers, dealers/retailers and dismantlers that meet the eligibility criteria set forth in the Carl Moyer Program Guidelines for Lawn and Garden Equipment replacement.

### Residential EV Charging Incentive Program Funds

Staff recommends allocating up to \$200,000 from Clean Fuels Fund (31) to continue the Residential EV Charging Program. It is anticipated this funding will support the Residential EV Charging Program for two years and will support a minimum of 400 chargers.

### Carl Moyer Program State Reserve Funds

Staff recommends adopting the attached Resolution recognizing up to \$5,239,970 in the FY 2024-25 Carl Moyer Program State Reserve funds from CARB into the Carl Moyer Program Fund (32) and authorizing the Board to accept the terms and conditions of the FY 2024-25 (Year 27) Carl Moyer Program State Reserve grant award.

### **Benefits to South Coast AQMD**

Since its inception in 2017, the Commercial eL&G Program has successfully replaced over 11,000 gasoline- or diesel-powered commercial lawn and garden equipment with zero-emission technology. Since its relaunch in 2023, the Commercial eL&G Program has reduced annual emissions in the South Coast Air Basin by approximately 46.1 tons of ROG, 2.54 tons of NOx, and 0.65 tons of PM10.

Since its inception in 2015, the Residential EV Charging Incentive Program has successfully installed over 4,400 Level 2 chargers to support electric vehicles.

The additional funds provided by the State Reserve to fund ZE equipment and supporting infrastructure will not only provide surplus emissions reductions of both NOx and PM, as required by the Carl Moyer Program, but also enhance South Coast AQMD's efforts toward achieving ozone attainment under the NAAQS.

### **Resource Impacts**

There are sufficient funds in the Carl Moyer Program SB 1107 Fund (32) to support the Commercial eL&G Program and sufficient funds in Clean Fuels (31) to support the Residential EV Charging Program. Additionally, the State Reserve funds, upon receipt from CARB, will be recognized into the Carl Moyer Program Fund (32).

### **Attachment** Resolution

**ATTACHMENT A  
RESOLUTION NO. 25-\_\_\_\_\_**

**A Resolution of the South Coast Air Quality Management District Board  
Recognizing Funds and Accepting the Terms and Conditions of the FY 2024-25  
(Year 27) Carl Moyer Program State Reserve Grant Award.**

WHEREAS, under Health & Safety Code § 40400 *et esq.*, 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 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 the Carl Moyer Program; 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 measures to meet national ambient air quality standards.

THEREFORE, BE IT RESOLVED that the Governing Board, in regular session assembled on September 5, 2025, does hereby accept the terms and conditions of the FY 2024-25 (Year 27) Carl Moyer Program State Reserve grant award and recognize up to \$5,239,970 from CARB in the Carl Moyer Program Fund (32) for eligible zero-emission off-road projects under the Carl Moyer Program.

BE IT FURTHER RESOLVED that the Governing Board approves the South Coast AQMD's participation in the State Reserve portion of the FY 2024-25 (Year 27) Carl Moyer Program, and the acceptance of funds allocated and awarded to the South Coast AQMD for eligible projects and program administration; and

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

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Date

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Faye Thomas, Clerk of the Board

# Approve Funds for Commercial Lawn & Garden and EV Charging Incentive Programs, and Adopt Resolution Recognizing Funds for FY 2024-25 Carl Moyer State Reserve

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Alyssa Yan

# Background

## Three Incentive Programs Addressed

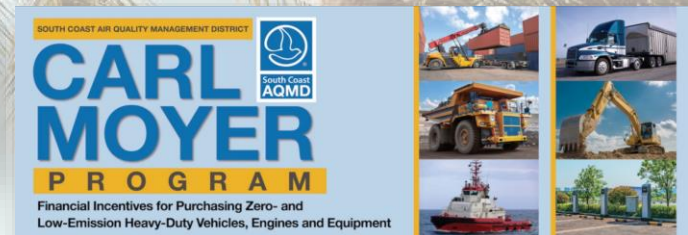
Commercial Electric  
Lawn and Garden  
Equipment Incentive  
and Exchange Program



Residential EV  
Charging Incentive  
Program



Carl Moyer Program  
State Reserve Funds



# Commercial Electric Lawn and Garden Equipment Incentive and Exchange Program

- Commercial Electric Lawn and Garden Equipment Incentive and Exchange (eL&G) Program initiated in 2017
  - Provides Battery Electric equipment
  - Last allocation of \$6M funds was in April 2024
- Replaced over 11,000 gasoline or diesel-powered commercial lawn and garden equipment with ZE technology
- Reduced 46.1 tons/year of ROG, 2.54 tons/year of NOX and 0.65 tons/year of PM10
- New and eligible manufacturers, dealers/retailers and dismantlers are interested in participating in the eL&G Program



# Residential EV Charging Incentive Program




- Residential EV Charging Incentive Program initiated in 2015
  - Provides incentives for hard-wired residential Level 2 (240V) chargers
  - Up to \$500 for low-income residents
  - First-come, first-served
- Supported over 4,400 Level 2 chargers to support electric vehicles

# Carl Moyer Program State Reserve Funds

- CARB reserves 10 percent of Carl Moyer Program State Reserve funds (State Reserve) each year for eligible projects
  - \$12.35 million available statewide
  - Up to \$5.3 million allocated to South Coast AQMD for zero-emission projects

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



South Coast  
AQMD

# CARL MOYER

P R O G R A M

Financial Incentives for Purchasing Zero- and  
Low-Emission Heavy-Duty Vehicles, Engines and Equipment



# Summary of Recommended Actions

## Commercial Electric Lawn and Garden (eL&G) Program Funds

- Allocate \$5M from the Carl Moyer Program SB 1107 Fund (32) to continue the program
- Align with requirements identified in the Carl Moyer Program Guidelines (2024)

## Residential EV Charging Program Funds

- Allocate \$200,000 from Clean Fuels Fund (31) to continue the program

## Carl Moyer Program State Reserve Funds

- Accept the terms and conditions and adopt resolutions recognizing \$5,239,970 in the FY 2024-25 Carl Moyer Program State Reserve funds from CARB into the Carl Moyer Program Fund (32)

BOARD MEETING DATE: September 5, 2025

AGENDA NO. 2

**PROPOSAL:** Issue RFP and Execute Contracts for Workforce Development and Training for CARE4Kids and ELECTRIC Programs

**SYNOPSIS:** In January 2025, the Board recognized funds from the U.S. EPA Clean Heavy-Duty Vehicles Grant for use in the CARE4Kids and ELECTRIC incentive programs. Up to \$500,000 each from the CARE4Kids and ELECTRIC Programs has been designated for workforce development and training focusing on the operation and maintenance of ZEVs and related infrastructure. These actions are to: 1) issue an RFP to solicit proposals for workforce development and training services; and 2) based on the results of the RFP, authorize the Executive Officer to execute contracts with qualified proposers for workforce development and training in amounts not to exceed \$500,000 from the CARE4Kids Program and \$500,000 from the ELECTRIC Program in Fund (17).

**COMMITTEE:** Technology, August 15, 2025; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Issue RFP #P2026-02 to solicit proposals for workforce development and training services; and
2. Authorize the Executive Officer to execute contract(s) with qualified firm(s) under RFP #P2026-02 to provide workforce development and training services in an amount not to exceed \$1,000,000, consisting of \$500,000 from the CARE4Kids Program and \$500,000 from the ELECTRIC Program in the Advanced Technology, Outreach and Education Fund (17).

Wayne Nastri  
Executive Officer

## **Background**

In July 2024, South Coast AQMD submitted two proposals, entitled CARE4Kids and ELECTRIC to the U.S. EPA's Clean Heavy-Duty Vehicles (CHDV) Grants Program. A summary of each proposal is below.

- **CARE4Kids:** Incentives will be provided for replacing older Class 6 and 7 internal combustion school buses owned by public school districts with battery electric technology. Funding for charging infrastructure to support the new buses is also available up to \$20,000 per school bus awarded.
- **ELECTRIC:** Incentives will be provided for replacing older Class 6 and 7 internal combustion freight delivery vehicles with battery electric technology. The program funds charging infrastructure and vehicles, but establishes a cap for each vehicle type.

In January 2025, the Board recognized \$24,842,632 for CARE4Kids and \$33,898,522 for the implementation of ELECTRIC. As part of each initiative, \$500,000 from CARE4Kids and \$500,000 from ELECTRIC have been allocated to support the development of workforce training programs that educate fleet personnel (e.g., drivers and technicians) on the operation and maintenance of ZEVs and related infrastructure.

## **Proposal**

This proposal is to issue RFP #P2026-02 to solicit proposals from qualified education institutions, such as community colleges, universities, and trade organization, that possess the expertise and capacity to design, develop, and deliver workforce development training focusing on zero-emission (ZE) school buses, Class 6 & 7 vehicles, and associated infrastructure. The training programs aim to provide personnel with the essential knowledge and skills required to operate, maintain, and manage ZEVs and their supporting infrastructure effectively and safely.

A total of up to \$1,000,000 in funding is available through this RFP, including:

- Up to \$500,000 for workforce development and training for school district fleet staff on the operation and maintenance of ZE school buses and associated infrastructure.
- Up to \$500,000 for workforce development and training for fleet personnel on the operation and maintenance of Class 6 and 7 ZE freight delivery vehicles and associated infrastructure.

Based on the results of the RFP, multiple firms may be selected for workforce development and training. To expedite implementation, staff is requesting that the Executive Officer execute contract(s) with qualified firm(s) under RFP #P2026-02 based upon recommendations of the review panel. Staff recommend using \$500,000

from the CARE4Kids program and \$500,000 from the ELECTRIC Program in the Advanced Technology, Outreach and Education Fund (17).

**Bid Evaluation**

Proposals received under the RFP will be evaluated by a panel of three South Coast AQMD staff members familiar with the work activities, implementation, and resource needs of the Program. The proposals will be evaluated and scored by the panel in accordance with the requirements of the RFP. Staff will recommend contracts for qualified bidders to the Executive Officer.

**Outreach**

In accordance with South Coast AQMD’s Procurement Policy and Procedure, a public notice advertising the RFP and inviting bids 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 bidders may be notified utilizing South Coast AQMD’s own electronic listing of certified minority vendors. Notice of the RFP will be emailed to the 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 the selection “Grants & Bids.”

**Benefits to AQMD**

The deployment of a workforce development and training services will facilitate the transition to zero-emission technologies by ensuring the effective implementation of the CARE4Kids and ELECTRIC programs, while also generating employment opportunities across the region. The CARE4Kids and ELECTRIC programs support and accelerate the replacement of older polluting internal combustion engines Class 6 and 7 vehicles with ZE technologies reducing ozone and PM2.5. Annually, the programs are projected to reduce 19 tons of NOx and 0.38 tons of PM2.5 emissions

**Resource Impacts**

Sufficient funds are available for workforce development and training services from the Advanced Technology, Outreach and Education Fund (17).

**Attachment**

RFP #P2026-02 – Workforce Development Training for CARE4Kids and ELECTRIC



## **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

### **REQUEST FOR PROPOSALS**

#### **WORKFORCE DEVELOPMENT TRAINING FOR CARE4KIDS AND ELECTRIC**

#### **P2026-02**

South Coast Air Quality Management District (South Coast AQMD) requests proposals for the following purpose according to terms and conditions attached. In the preparation of this Request for Proposals (RFP) the words "Proposer," "Contractor," "Consultant," "Bidder," and "Firm" are used interchangeably.

#### **PURPOSE**

The purpose of this Request for Proposal (RFP) is to solicit proposals from qualified education institutions such as community colleges, universities, and trade organizations, that possess the expertise and capacity to design, develop, and deliver comprehensive workforce development training on zero-emission school buses and Class 6 & 7 vehicles (ZEVs), and associated supporting infrastructure. This initiative aims to provide personnel with the essential knowledge and skills required to operate, maintain, and manage ZEVs and their supporting infrastructure effectively and safely.

The training recipients of this RFP are focused on two projects:

- Public school district fleet staff for zero-emission (ZE) school buses and their supporting infrastructure. Individual fleet staff (including but not limited to drivers and technicians) are expected to complete about 50 hours of training.
- Fleet personnel for Class 6 and Class 7 ZE trucks and their supporting infrastructure. It is anticipated that at least 100 drivers and 25 mechanics will complete the training program.

A total of \$1,000,000 in funding for contract term not to exceed two years is available under this RFP:

- Up to \$500,000 for workforce development training for school district fleet staff on the operation and maintenance of ZE school buses and associated infrastructure.
- Up to \$500,000 for workforce development training for fleet personnel on the operation and maintenance of Class 6 and 7 ZE trucks and associated infrastructure.

Proposals may address one or both training tracks. Multiple firms may be selected for workforce development training for one or both groups, depending on qualifications, capacity, and alignment with program needs.

**INDEX - The following are contained in this RFP:**

Section I	Background/Information
Section II	Contact Person
Section III	Schedule of Events
Section IV	Statement of Work/Schedule of Deliverables
Section V	Required Qualifications
Section VI	Proposal Submittal Requirements
Section VII	Proposal Submission
Section VIII	Proposal Evaluation/Contractor Selection Criteria
Section IX	Funding
Section X	Sample Contract

Attachment A - Certifications and Representations

**SECTION I: BACKGROUND/INFORMATION**

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. As a regulatory agency, South Coast AQMD is committed to protecting the health of residents of the four-county area from harmful effects of air pollution, while remaining sensitive to businesses and the economic vitality of the region.

The CARE4Kids and ELECTRIC incentive programs support the adoption of zero-emission technologies in the transportation sector across the South Coast AQMD region. As part of these programs, grantees are required to ensure their operational staff are adequately trained to maintain and operate the program funded ZEVs and associated infrastructure safely and efficiently. To support these goals, workforce development training must be accessible, relevant, and aligned with the technical and operational requirements of the funded vehicles and infrastructure.

Selected bidders of this RFP will develop and provide workforce development training to school district fleet staff and fleet personnel on the operation and maintenance of ZE school buses/trucks and associated infrastructure. Course enrollment priority shall be given to grantees in the CARE4Kids and ELECTRIC incentive programs. South Coast AQMD may select multiple qualified bidders to award and contract with based on the evaluation criteria and the best interest of the program.

**SECTION II: CONTACT PERSON:**

Questions regarding the content or intent of this RFP or on procedural matters should be addressed to:

Yuh Jiun Tan  
 Program Supervisor  
 Technology Advancement Office  
 South Coast AQMD  
 21865 Copley Drive  
 Diamond Bar, CA 91765-4178  
 (909) 396-2463  
 Email: [ytan@aqmd.gov](mailto:ytan@aqmd.gov)

**SECTION III: SCHEDULE OF EVENTS**

Date	Event
September 5, 2025	RFP Released
October 17, 2025	Proposals Due to South Coast AQMD - <b>No Later Than 1:00 pm</b>
October/November 2025	Proposal Evaluations
November 2025 - March 2026	Anticipated Contract Execution

**SECTION IV: STATEMENT OF WORK/SCHEDULE OF DELIVERABLES**

Statement of Work

The selected Contractor(s) will develop and deliver workforce development training for one or both of the following categories:

1. ZE School Buses and Infrastructure
2. Class 6 and 7 ZE Trucks and Infrastructure

Working in cooperation with South Coast AQMD’s Technology Advancement Office, the Contractor(s) will:

1. Develop a comprehensive workforce development training curriculum tailored to the operation and maintenance of ZE school buses and/or Class 6 and 7 ZE trucks and related infrastructure. The curriculum should include but is not limited to the following:
  - a. ZE vehicle fundamentals (e.g. electric powertrains, battery technology, fuel cells).
  - b. Vehicle operator familiarization of ZE vehicles and infrastructure.
  - c. Safe operation procedures for ZE vehicles.
  - d. Routine inspection and preventative maintenance procedures.

- e. Diagnostic and troubleshooting techniques specific to ZE vehicle systems.
  - f. Operation and maintenance of associated infrastructure including safety protocols for working with high-voltage systems.
  - g. Regulatory compliance related to ZE vehicle operation and maintenance.
  - h. Best practices for fleet management and operation of ZE vehicles.
2. Outline the teaching methodologies and materials to be used (e.g. lectures, hands-on activities, simulations, online resources).
  3. Propose a training delivery schedule and format (e.g. workshops, online course, classroom, and/or hybrid instructions) that is accessible and convenient for school district fleet staff and/or fleet personnel.
  4. Implement training curriculum as detailed in items 1-3 with subject matter experts.
  5. Submit to South Coast AQMD report of training attendance, capacity, progress, outcomes, and feedback.

## **SECTION V: REQUIRED QUALIFICATIONS**

Proposers under this solicitation should meet the following minimum qualifications:

- Be an educational institution located within the South Coast Air Basin which may include, but is not limited to, community colleges, universities, or trade or vocational schools;
- Demonstrate experience in delivering workforce development and technical training programs;
- Possess experience or demonstrate capacity to develop curricula and provide training in the maintenance and operation of ZE school buses and/or trucks and associated infrastructure;
- Currently employ, or have the ability to engage, qualified personnel, trainers, and subject matter experts to deliver effective instruction and training.

Proposers are required to disclose any prior or current state or federal awards received for the performance of similar work.

## **SECTION VI: PROPOSAL SUBMITTAL REQUIREMENTS**

Submitted proposals must follow the format outlined below and all requested information must be supplied. Failure to submit proposals in the required format will result in elimination from proposal evaluation. South Coast AQMD may modify the RFP or issue supplementary information or guidelines during the proposal preparation period prior to the due date. Please check our website for updates (<http://www.aqmd.gov/grants-bids>). The cost for developing the proposal is the responsibility of the Contractor and shall not be chargeable to South Coast AQMD.

Each proposal must be submitted in three separate volumes:

- Volume I - Technical Proposal
- Volume II - Cost Proposal
- Volume III - Certifications and Representations included in Attachment A to this RFP, must be completed and executed by an authorized official of the Contractor.

A separate cover letter, including the name, address, and telephone number of the Contractor, and signed by the person or persons authorized to represent the Firm should accompany the proposal submission. Firm contact information as follows should also be included in the cover letter:

1. Address and telephone number of offices in, or nearest to, Diamond Bar, California.
2. Name and title of Firm's representative designated contact.

A separate Table of Contents should be provided for Volumes I and II.

## **VOLUME I - TECHNICAL PROPOSAL**

### **DO NOT INCLUDE ANY COST INFORMATION IN THE TECHNICAL VOLUME**

Summary (Section A) - State overall approach to meeting the objectives and satisfying the scope of work to be performed, the sequence of activities, and a description of methodology or techniques to be used.

Program Schedule (Section B) - Provide projected milestones or benchmarks for completing the project (to include reports) within the total time allowed.

Project Organization (Section C) - Describe the proposed management structure, program monitoring procedures, and organization of the proposed team. Provide a statement detailing your approach to the project, specifically addressing the Firm's ability and willingness to commit to maintain staffing to successfully complete the project on the proposed schedule.

Qualifications (Section D) - Describe the technical capabilities of the Firm. Provide references of other similar studies or projects performed during the last five years demonstrating ability to successfully complete the work. Include contact name, title, and telephone number for any references listed. Provide a statement of your Firm's background and related experience in performing similar services for other governmental organizations. All prior or current state or federal awards received for the performance of similar work must be disclosed.

Assigned Personnel (Section E) - Provide the following information about the staff to be assigned to this project:

1. List all key personnel assigned to the project by level, name, and location. Provide a resume or similar statement describing the background, qualifications and experience of

the lead person and all persons assigned to the project. Substitution of project manager or lead personnel will not be permitted without prior written approval of South Coast AQMD.

2. Provide a detailed budget showing the labor hours proposed for each labor category at the task level and showing how much will be spent towards
3. Provide a statement indicating whether or not 90% of the work will be performed within the geographical boundaries of South Coast AQMD.
4. Provide a statement of education and training programs provided to, or required of, the staff identified for participation in the project, particularly with reference to management consulting, governmental practices and procedures, and technical matters.
5. Provide a summary of your Firm's general qualifications to meet required qualifications and fulfill statement of work, including additional Firm personnel and resources beyond those who may be assigned to the project.

Subcontractors (Section F) - This project may require expertise in multiple technical areas. List any subcontractors that will be used, identifying functions to be performed by them, their related qualifications and experience and the total number of hours or percentage of time they will spend on the project.

Conflict of Interest (Section G) - Address possible conflicts of interest with other clients affected by actions performed by the Firm on behalf of South Coast AQMD. South Coast AQMD recognizes that prospective Contractors may be performing similar projects for other clients. Include a complete list of such clients for the past three (3) years with the type of work performed and the total number of years performing such tasks for each client. Although the Proposer will not be automatically disqualified by reason of work performed for such clients, South Coast AQMD reserves the right to consider the nature and extent of such work in evaluating the proposal.

Additional Data (Section H) - Provide other essential data that may assist in the evaluation of this proposal.

## **VOLUME II - COST PROPOSAL**

Name and Address - The Cost Proposal must list the name and complete address of the Proposer in the upper left-hand corner.

Cost Proposal – South Coast AQMD anticipates awarding fixed price contract(s). Cost information must be provided as listed below:

1. Detail must be provided by the following categories:
  - A. Labor – The Cost Proposal must list the fully-burdened hourly rates and the total number of hours estimated for each level of professional and administrative staff to be used to perform the tasks required by this RFP. Costs should be estimated for each of the components of the proposed work.

- B. Subcontractor Costs - List subcontractor costs and identify subcontractors by name. Itemize subcontractor charges per hour or per day.
- C. Travel Costs - Indicate amount of travel cost and basis of estimate to include trip destination, purpose of trip, length of trip, airline fare or mileage expense, per diem costs, lodging and car rental.
- D. Other Direct Costs -This category may include such items as postage and mailing expense, printing and reproduction costs, etc. Provide a basis of estimate for these costs.
2. It is the policy of the South Coast AQMD to receive at least as favorable pricing, warranties, conditions, benefits, and terms as other customers or clients making similar purchases or receiving similar services. South Coast AQMD will give preference, where appropriate, to vendors who certify that they will provide “most favored customer” status to the South Coast AQMD. To receive preference points, Proposer shall certify that South Coast AQMD is receiving “most favored customer” pricing in the Business Status Certifications page of Volume III, Attachment A – Certifications and Representations.

### **VOLUME III - CERTIFICATIONS AND REPRESENTATIONS** (see Attachment A to this RFP)

#### **SECTION VII: PROPOSAL SUBMISSION**

All proposals must be submitted according to specifications set forth in the section above, and this section. Failure to adhere to these specifications may be cause for rejection of the proposal.

Signature - All proposals must be signed by an authorized representative of the Proposer.

Due Date - **All proposals must be received at South Coast AQMD Headquarters no later than 1:00 p.m. PDT, October 17, 2025, and should be directed to:**

Procurement Unit  
 South Coast Air Quality Management District  
 21865 Copley Drive  
 Diamond Bar, CA 91765-4178  
 (909) 396-3520

Submittal - Submit four (4) complete copies of the proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the Proposer and the words "Request for Proposals **P2026-02**." In addition, submit one (1) electronic copy of the proposal on a flash drive inside an envelope.

**Late bids/proposals will not be accepted under any circumstances. Postmarks will not be accepted as compliant with the deadline. Proposals must be received at the South Coast AQMD Headquarters by the above deadline. Fax or email proposals will not be accepted.**

Grounds for Rejection - A proposal may be immediately rejected if:

- It is not prepared in the format described, or
- It is signed by an individual not authorized to represent the Firm.

Modification or Withdrawal - Once submitted, proposals cannot be altered without the prior written consent of South Coast AQMD. All proposals shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the last day to accept proposals.

**SECTION VIII: PROPOSAL EVALUATION/CONTRACTOR SELECTION CRITERIA**

- A. Proposals will be evaluated by a panel of three to five South Coast AQMD staff members familiar with the subject matter of the project. The panel shall be appointed by the Executive Officer or his designee. In addition, the evaluation panel may include such outside public sector or academic community expertise as deemed desirable by the Executive Officer. The panel will make a recommendation to the Executive Officer and/or the Governing Board of South Coast AQMD for final selection of a contractor and negotiation of a contract.
- B. Each member of the evaluation panel shall be accorded equal weight in his or her rating of proposals. The evaluation panel members shall evaluate the proposals according to the specified criteria and numerical weightings set forth below.

**1. Proposal Evaluation Criteria**

<u>(a) Project Selection</u>	<u>Points</u>
Curriculum and Training Design	50
Proposer Qualifications	25
Previous Experience on Similar Projects	15
Pricing/Cost	<u>10</u>
TOTAL:	100

The lowest pricing/cost proposal will be awarded the maximum cost points available and all other cost proposals will receive points on a prorated basis. For example, if the lowest cost proposal is \$1,000 and the maximum points available are 10 points, this proposal would receive the full 10 points. If the next lowest cost proposal is \$1,100 it would receive 9 points reflecting the fact that it is 10% higher than the lowest cost (90% of 10 points = 9 points).

- C. During the selection process the evaluation panel may wish to interview some proposers for clarification purposes only. No new material will be permitted at this time. Additional information provided during the bid review process is limited to clarification by the Proposer of information presented in his/her proposal, upon request by South Coast AQMD.
- D. The Executive Officer or Governing Board may award the contract to a Proposer other than the Proposer receiving the highest rating in the event the Governing Board determines that another Proposer from among those technically qualified would provide the best value to South Coast AQMD considering cost and technical factors. The

determination shall be based solely on the Evaluation Criteria contained in the Request for Proposal (RFP), on evidence provided in the proposal and on any other evidence provided during the bid review process.

- E. Selection will be made based on the above-described criteria and rating factors. The selection will be made by and is subject to Executive Officer or Governing Board approval. Proposers may be notified of the results by letter.
- F. The Governing Board has approved a Bid Protest Procedure which provides a process for a Bidder or prospective Bidder to submit a written protest to South Coast AQMD Procurement Manager in recognition of two types of protests: Protest Regarding Solicitation and Protest Regarding Award of a Contract. Copies of the Bid Protest Policy can be secured through a request to South Coast AQMD Procurement Department.
- G. The Executive Officer or Governing Board may award contracts to more than one proposer if in (his or their) sole judgment the purposes of the (contract or award) would best be served by selecting multiple proposers.
- H. If additional funds become available, the Executive Officer or Governing Board may increase the amount awarded. The Executive Officer or Governing Board may also select additional proposers for a grant or contract if additional funds become available.
- I. Disposition of Proposals – Pursuant to South Coast AQMD’s Procurement Policy and Procedure, South Coast AQMD reserves the right to reject any or all proposals. All proposals become the property of South Coast AQMD and are subject to the California Public Records Act. One copy of the proposal shall be retained for South Coast AQMD files. Additional copies and materials will be returned only if requested and at the proposer's expense.

## **SECTION IX: FUNDING**

A maximum total of \$1,000,000 in funding will be allocated for the work by this RFP:

- Up to \$500,000 for workforce development training for school district fleet staff on the operation and maintenance of ZE school buses and associated infrastructure.
- Up to \$500,000 for workforce development training for fleet personnel on the operation and maintenance of Class 6 and 7 ZE trucks and associated infrastructure.

Multiple firms may be selected for workforce development training for one or both groups, depending on qualifications, capacity, and alignment with program needs.

## **SECTION X: SAMPLE CONTRACT**

A sample contract to carry out the work described in this RFP is available on South Coast AQMD’s website at <http://www.aqmd.gov/grants-bids> or upon request from the RFP Contact Person (Section II).

# Attachment A



## South Coast Air Quality Management District

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

### **Business Information Request**

Dear South Coast AQMD Contractor/Supplier:

South Coast Air Quality Management District (South Coast AQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, remember to sign all documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Sujata Jain  
Chief Financial Officer

AP:kb

Enclosures: Business Information Request  
Disadvantaged Business Certification  
W-9  
Form 590 Withholding Exemption Certificate  
Federal Contract Debarment Certification  
Campaign Contributions Disclosure  
Direct Deposit Authorization



# South Coast Air Quality Management District

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

## BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

## REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	(    )	Fax	(    ) -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

**Attention: Accounts Payable, Accounting Department**  
**South Coast Air Quality Management District**  
**21865 Copley Drive**  
**Diamond Bar, CA 91765-4178**

**BUSINESS STATUS CERTIFICATIONS**

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to South Coast AQMD, \_\_\_\_\_ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

**Self-Certification Verification: Also for use in awarding additional points, as applicable, in accordance with South Coast AQMD Procurement Policy and Procedure:**

Check all that apply:

- |   |  |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise                               |
| <input type="checkbox"/> Local business   | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise                     | <input type="checkbox"/> Most Favored Customer Pricing Certification                   |

Percent of ownership: \_\_\_\_\_ %

Name of Qualifying Owner(s): \_\_\_\_\_

**State of California Public Works Contractor Registration No. \_\_\_\_\_ . MUST BE INCLUDED IF BID PROPOSAL IS FOR PUBLIC WORKS PROJECT.**

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

\_\_\_\_\_  
*NAME*

\_\_\_\_\_  
*TITLE*

\_\_\_\_\_  
*TELEPHONE NUMBER*

\_\_\_\_\_  
*DATE*

## Definitions

**Disabled Veteran-Owned Business Enterprise** means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

**Joint Venture** means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

**Local Business** means a business that meets all of the following criteria:

- has an ongoing business within the boundary of South Coast AQMD at the time of bid application.
- performs 90 percent of the work within South Coast AQMD's jurisdiction.

**Minority-Owned Business Enterprise** means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

**Small Business Enterprise** means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
  - **A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or**
  - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
  - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
  - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

**Small Business Joint Venture** means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

**Women-Owned Business Enterprise** means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

**Most Favored Customer** as used in this policy means that the South Coast AQMD will receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services.

# Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

▶ Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

<b>Print or type.</b> See Specific Instructions on page 3.	<b>1</b> Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.		
	<b>2</b> Business name/disregarded entity name, if different from above		
	<b>3</b> Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes.		<b>4</b> Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  Exempt payee code (if any) _____  Exemption from FATCA reporting code (if any) _____  <i>(Applies to accounts maintained outside the U.S.)</i>
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate		
	<input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ <b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is <b>not</b> disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.		
	<input type="checkbox"/> Other (see instructions) ▶ _____		
	<b>5</b> Address (number, street, and apt. or suite no.) See instructions.		Requester's name and address (optional)
<b>6</b> City, state, and ZIP code			
<b>7</b> List account number(s) here (optional)			

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

<b>Social security number</b>									
-				-					
<b>or</b>									
<b>Employer identification number</b>									
-									

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

<b>Sign Here</b>	<b>Signature of U.S. person ▶</b>	<b>Date ▶</b>
------------------	-----------------------------------	---------------

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

**Note:** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

**Example.** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

## Backup Withholding

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

## What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

## Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

## Specific Instructions

### Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

**Note: ITIN applicant:** Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or “doing business as” (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity’s name as shown on the entity’s tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a “disregarded entity.” See Regulations section 301.7701-2(c)(2)(iii). Enter the owner’s name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner’s name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on line 2, “Business name/disregarded entity name.” If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

### Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

### Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

### Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

#### Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys’ fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 <sup>1</sup>	Generally, exempt payees 1 through 5 <sup>2</sup>
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

<sup>1</sup> See Form 1099-MISC, Miscellaneous Income, and its instructions.

<sup>2</sup> However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

**Exemption from FATCA reporting code.** The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

**Note:** You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

### Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

### Line 6

Enter your city, state, and ZIP code.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note:** See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at [www.SSA.gov](http://www.SSA.gov). You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at [www.irs.gov/Businesses](http://www.irs.gov/Businesses) and clicking on Employer Identification Number (EIN) under Starting a Business. Go to [www.irs.gov/Forms](http://www.irs.gov/Forms) to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to [www.irs.gov/OrderForms](http://www.irs.gov/OrderForms) to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note:** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

## Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

**Signature requirements.** Complete the certification as indicated in items 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.**

You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.**

You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.**

You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

**What Name and Number To Give the Requester**

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account <sup>1</sup>
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor <sup>2</sup>
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee <sup>1</sup>
b. So-called trust account that is not a legal or valid trust under state law	The actual owner <sup>1</sup>
6. Sole proprietorship or disregarded entity owned by an individual	The owner <sup>3</sup>
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity <sup>4</sup>
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

<sup>1</sup> List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

<sup>2</sup> Circle the minor's name and furnish the minor's SSN.

<sup>3</sup> You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

<sup>4</sup> List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

\*Note: The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

**Secure Your Tax Records From Identity Theft**

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.**

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to [phishing@irs.gov](mailto:phishing@irs.gov). You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at [spam@uce.gov](mailto:spam@uce.gov) or report them at [www.ftc.gov/complaint](http://www.ftc.gov/complaint). You can contact the FTC at [www.ftc.gov/idtheft](http://www.ftc.gov/idtheft) or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see [www.IdentityTheft.gov](http://www.IdentityTheft.gov) and Pub. 5027.

Visit [www.irs.gov/IdentityTheft](http://www.irs.gov/IdentityTheft) to learn more about identity theft and how to reduce your risk.

## Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

**2024 Withholding Exemption Certificate****590****The payee completes this form and submits it to the withholding agent. The withholding agent keeps this form with their records.****Withholding Agent Information**

Name \_\_\_\_\_

**Payee Information**Name \_\_\_\_\_  SSN or ITIN  FEIN  CA Corp no.  CA SOS file no.

Address (apt./ste., room) \_\_\_\_\_

City (If you have a foreign address, see instructions.) \_\_\_\_\_ State \_\_\_\_\_ ZIP code \_\_\_\_\_

**Exemption Reason****Check only one box.**

By checking the appropriate box below, the payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

 **Individuals — Certification of Residency:**

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 **Corporations:**

The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 **Partnerships or Limited Liability Companies (LLCs):**

The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

 **Tax-Exempt Entities:**

The entity is exempt from tax under California Revenue and Taxation Code (R&amp;TC) Section 23701 \_\_\_\_\_ (insert letter) or Internal Revenue Code Section 501(c) \_\_\_\_\_ (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

 **Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit-Sharing Plans:**

The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

 **California Trusts:**

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

 **Estates — Certification of Residency of Deceased Person:**

I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

 **Nonmilitary Spouse of a Military Servicemember:**

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

**CERTIFICATE OF PAYEE:** Payee must complete and sign below.Our privacy notice can be found in annual tax booklets or online. Go to [ftb.ca.gov/privacy](https://ftb.ca.gov/privacy) to learn about our privacy policy statement, or go to [ftb.ca.gov/forms](https://ftb.ca.gov/forms) and search for **1131** to locate FTB 1131 EN-SP, Franchise Tax Board Privacy Notice on Collection. To request this notice by mail, call 800.338.0505 and enter form code **948** when instructed.

Under penalties of perjury, I declare that I have examined the information on this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. I further declare under penalties of perjury that if the facts upon which this form are based change, I will promptly notify the withholding agent.

Type or print payee's name and title \_\_\_\_\_ Telephone \_\_\_\_\_

Payee's signature ► \_\_\_\_\_ Date \_\_\_\_\_

# 2024 Instructions for Form 590

## Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

### General Information

California Revenue and Taxation Code (R&TC) Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California. For more information, See General Information B, Income Subject to Withholding.

**Registered Domestic Partners (RDPs)** – For purposes of California income tax, references to a spouse, husband, or wife also refer to a California RDP unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

### A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding.

Form 590 does not apply to payments of backup withholding. For more information, go to [ftb.ca.gov](http://ftb.ca.gov) and search for **backup withholding**.

Form 590 does not apply to payments for wages to employees. Wage withholding is administered by the California Employment Development Department (EDD). For more information, go to [edd.ca.gov](http://edd.ca.gov) or call 888.745.3886.

**Do not** use Form 590 to certify an exemption from withholding if you are a **seller of California real estate**. Sellers of California real estate use Form 593, Real Estate Withholding Statement, to claim an exemption from the real estate withholding requirement.

**The following are excluded from withholding and completing this form:**

- The United States and any of its agencies or instrumentalities.
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities.
- A foreign government or any of its political subdivisions, agencies, or instrumentalities.

### B Income Subject to Withholding

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident partners, members, and S corporation shareholders and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties from activities sourced to California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Endorsement payments received for services performed in California.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding, get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication, see Additional Information.

### C Who Certifies this Form

Form 590 is certified (completed and signed) by the payee. California residents or entities exempt from the withholding requirement should complete Form 590 and submit it to the withholding agent before payment is made. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless notified by the Franchise Tax Board (FTB) that the form should not be relied upon.

An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed exemption certificate, the withholding agent may accept a letter from the payee as a substitute explaining why they are not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number (TIN).

The certification does not need to be renewed annually. The certification on Form 590 remains valid until the payee's status changes. The withholding agent must retain a copy of the certification or substitute for at least five years after the last payment to which the certification applies. The agent must provide it to the FTB upon request.

If an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided.

**Do not** submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes. Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled "Individuals — Certification of Residency."

### D Definitions

For California nonwage withholding purposes:

- Nonresident includes all of the following:
  - Individuals who are not residents of California.
  - Corporations not qualified through the California Secretary of State (CA SOS) to do business in California or having no permanent place of business in California.
  - Partnerships or limited liability companies (LLCs) with no permanent place of business in California.
  - Any trust without a resident grantor, beneficiary, or trustee, or estates where the decedent was not a California resident.
- Foreign refers to non-U.S.

For more information about determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status. Military servicemembers have special rules for residency. For more information see General Information E, Military Spouse Residency Relief Act (MSRRA), and FTB Pub. 1032, Tax Information for Military Personnel.

#### Permanent Place of Business:

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or it has qualified through the CA SOS to transact intrastate business. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

### E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. The MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

**Domicile** is defined as the one place:

- Where you maintain a true, fixed, and permanent home.
- To which you intend to return whenever you are absent.

A military servicemember's nonmilitary spouse is considered a nonresident for tax

purposes if the spouse is domiciled outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders. (Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA).

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the spouse is domiciled outside of California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

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## Specific Instructions

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### Payee Instructions

Enter the withholding agent's name.

Enter the payee's information, including the TIN and check the appropriate TIN box.

You must provide a valid TIN as requested on this form. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp no.); or CA SOS file number.

**Foreign Address** – Follow the country's practice for entering the city, county, province, state, country, and postal code, as applicable, in the appropriate boxes. **Do not** abbreviate the country name.

**Exemption Reason** – Check the box that reflects the reason why the payee is exempt from the California income tax withholding requirement.

### Withholding Agent Instructions

**Do not** send this form to the FTB. The certification on Form 590 remains valid until the payee's status changes. The withholding agent must retain a copy of the certificate or substitute for at least five years after the last payment to which the certificate applies. The agent must provide it to the FTB upon request.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

If any of these situations occur, then withholding may be required. For more information, get Form 592, Resident and Nonresident Withholding Statement, Form 592-B, Resident and Nonresident Withholding Tax Statement, Form 592-PTE, Pass-Through Entity Annual Withholding Return, Form 592-Q, Payment Voucher for Pass-Through Entity Withholding, and Form 592-V, Payment Voucher for Resident or Nonresident Withholding.

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## Additional Information

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**Website:** For more information, go to **ftb.ca.gov** and search for **nonwage**. **MyFTB** offers secure online tax account information and services. For more information, go to **ftb.ca.gov** and login or register for MyFTB.

**Telephone:** **888.792.4900** or **916.845.4900**, Withholding Services and Compliance phone service

**Fax:** 916.845.9512

**Mail:** WITHHOLDING SERVICES AND COMPLIANCE MS F182  
FRANCHISE TAX BOARD  
PO BOX 942867  
SACRAMENTO CA 94267-0651

For questions unrelated to withholding, or to download, view, and print California tax forms and publications, or to access the California Relay Service, see the Internet and Telephone Assistance section.

### Internet and Telephone Assistance

**Website:** **ftb.ca.gov**

**Telephone:** 800.852.5711 from within the United States  
916.845.6500 from outside the United States

**California Relay Service:** 711 or 800.735.2929 for persons with hearing or speaking limitations.

### Asistencia Por Internet y Teléfono

**Sitio web:** **ftb.ca.gov**

**Teléfono:** 800.852.5711 dentro de los Estados Unidos  
916.845.6500 fuera de los Estados Unidos

**Servicio de Retransmisión de California:** 711 o 800.735.2929 para personas con limitaciones auditivas o del habla.

## **Certification Regarding Debarment, Suspension, and Other Responsibility Matters**

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

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Typed Name & Title of Authorized Representative

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Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.

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## CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or MSRC Technical Advisory Committee (TAC), including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b). Where a proposed or proposed amended rule impacts three or fewer facilities, those facilities will be treated in much the same manner as contracting parties and so must also complete this form, disclosing information relating to any campaign contributions made to any SCAQMD Board Members. See Quadri Advice Letter (2002) A-02.096.<sup>1</sup> In the event that a qualifying campaign contribution is made, the Board Member to whom it was made may be disqualified from participating in the actions involving that donor.

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the MSRC or TAC of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for twelve (12) months following the date of the final decision by the Governing Board or the MSRC or TAC on a donor’s contract or permit. Gov’t Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC or TAC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant<sup>2</sup> to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov’t Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website ([www.aqmd.gov](http://www.aqmd.gov)). The list of current MSRC and TAC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

### **SECTION I.**

**Contractor or Participant (Legal Name):** \_\_\_\_\_

<input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____
---

**List any parent, subsidiaries, or otherwise affiliated business entities of Contractor or Participant:**  
*(See definition below).*

\_\_\_\_\_  
\_\_\_\_\_

<sup>1</sup> The information provided on this form does not, and is not intended to, constitute legal advice. To the extent that you may have questions regarding any case law, citations, or legal interpretations provided above please seek the guidance of your own independent counsel.

<sup>2</sup> In accordance with California law, a person or entity with a financial interest in a proceeding or particular governmental decision, who is not a party but who actively supports or opposes a particular decision, qualifies as a “participant” in that proceeding for purposes of California Code of Regulations Section 84308. A participant has both a financial interest in the proceeding and communicates with the agency or an officer of the agency for purposes of influencing the proceeding.

**SECTION II.**

Has Contractor or Participant and/or any parent, subsidiary, or affiliated company, or agent thereof, or persons who direct or control campaign contributions for these entities, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC or TAC in the 12 months preceding the date of execution of this disclosure?

Yes     No

**If YES, complete Section II below and then sign and date the form.**

**If NO, sign and date below. Include this form with your submittal.**

Name(s) of Contributor(s) or Person(s) who Directed or Controlled this Contribution:

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\_\_\_\_\_

Governing Board Member or MSRC or MSRC-TAC Member/Alternate	Amount of Contribution	Date of Contribution
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Name(s) of Contributor(s) or Person(s) who Directed or Controlled this Contribution:

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\_\_\_\_\_

Governing Board Member or MSRC or MSRC-TAC Member/Alternate	Amount of Contribution	Date of Contribution
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Name(s) of Contributor(s) or Person(s) who Directed or Controlled this Contribution:

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\_\_\_\_\_

Governing Board Member or MSRC or MSRC-TAC Member/Alternate	Amount of Contribution	Date of Contribution
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Name(s) of Contributor(s) or Person(s) who Directed or Controlled this Contribution:

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\_\_\_\_\_

Governing Board Member or MSRC or MSRC-TAC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

**I declare the foregoing disclosures to be true and correct.**

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**DEFINITIONS**

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
  - (A) One business entity has a controlling ownership interest in the other business entity.
  - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
    - (i) The same person or substantially the same person owns and manages the two entities;
    - (ii) There are common or commingled funds or assets;
    - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
    - (iv) There is otherwise a regular and close working relationship between the entities; or
  - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

### STEP 1: Please check all the appropriate boxes

- |  |  |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request           |
| <input type="checkbox"/> Vendor/Contractor                             | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information                           |  |

### STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

### Authorization

- I authorize South Coast Air Quality Management District (South Coast AQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by South Coast AQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to South Coast AQMD for distribution. This will delay my payment.
- This authorization remains in effect until South Coast AQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless South Coast AQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

### STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

### To be Completed by your Bank

<b>Staple Voided Check Here</b>	Name of Bank/Institution				
	Account Holder Name(s)				
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking		Account Number		Routing Number
	Bank Representative Printed Name		Bank Representative Signature		Date
	ACCOUNT HOLDER SIGNATURE:				Date

For South Coast AQMD Use Only

Input By \_\_\_\_\_

Date \_\_\_\_\_

## Agenda #2

# Issue RFP and Execute Contracts for Workforce Development and Training for CARE4Kids and ELECTRIC Programs

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**Yuh Jiun Tan**

# Background

In July 2024, South Coast AQMD submitted two proposals for the U.S. EPA Clean Heavy-Duty Vehicles Grants Program and were awarded:

- ELECTRIC: \$33,898,522 to replace older internal combustion engine Class 6/7 vehicles with zero emission vehicles
- CARE4Kids: \$24,842,632 to replace public school buses with zero emission buses



# Background

A person with long blonde hair, wearing a light-colored long-sleeved shirt, is lying on their back on a black creeper in a garage. They are looking up at the underside of a car that is elevated on a lift. The background is a bright, slightly blurred garage environment.

Proposals include workforce development components

- \$500K from CARE4Kids and \$500K from ELECTRIC
- Supports training of operational staff for maintenance and operation of new zero emission technology
- Ensures long-term success of technology implementation and workforce readiness

# Proposal

## Issue RFP #P2026-02: Workforce Development & Training

- Focus: Operation, maintenance, and management of zero-emission vehicles and infrastructure
- Entities: Local education institutions
- Multiple institutions may be selected based on qualifications, capacity and alignment with program objectives



# Summary of Recommended Actions

- Issue RFP #P2026-02 for workforce development and training services
- Authorize the Executive Officer to execute contracts with selected institutions under the RFP in amount not to exceed \$500,000 from CARE4Kids and \$500,000 from ELECTRIC Program from Fund (17).

BOARD MEETING DATE: September 5, 2025

AGENDA NO.

**PROPOSAL:** Execute an Agreement and Transfer Funds in Support of INVEST CLEAN Program Implementation

**SYNOPSIS:** In September 2024, the Board recognized a \$499,997,415 award from U.S. EPA to implement the INVEST CLEAN Program. In January 2025, the Board approved the execution of agreements with Alliance for Sustainable Energy, LLC (Alliance), for data collection and validation for INVEST CLEAN's incentive measures, and with SCAG to implement the Last Mile Freight Program (LMFP). Following approval from U.S. EPA, the University of California, Irvine (UCI) will assume the assigned tasks of the Alliance. Also, a temporary loan is necessary to implement the LMFP. These actions are to: 1) execute an agreement with the Regents of the University of California, on behalf of its Irvine Campus to conduct data collection and program performance validation in an amount not to exceed \$1,800,000 from U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90); and 2) transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to Fund (90) to reimburse SCAG's rebates for the deployment of the last mile freight vehicles until the U.S. EPA reimbursements are received into Fund (90).

**COMMITTEE:** Technology, August 15, 2025; Recommended for Approval

**RECOMMENDED ACTIONS:**

1. Authorize the Executive Officer to execute an agreement with the Regents of the University of California, on behalf of its Irvine Campus from U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90) to conduct data collection and program performance validation in an amount not to exceed \$1,800,000; and

2. Transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to the U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90) to reimburse SCAG's rebates for the deployment of the last mile freight vehicles until U.S. EPA's reimbursements are received. The Clean Fuels Program Fund (31) will be fully reimbursed upon project completion.

Wayne Nastri  
Executive Officer

AK:MW:CR:VP:NS

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### **Background**

In September 2024, the Board recognized an award of \$499,997,415 from the U.S. EPA to implement the INVEST CLEAN Program (Program) in two Metropolitan Statistical Areas (MSAs), Los Angeles - Long Beach - Anaheim and Riverside - San Bernardino - Ontario. INVEST CLEAN is a transformational initiative aimed at overcoming barriers to transitioning the goods movement sectors to zero-emission (ZE) technologies in Southern California.

The INVEST CLEAN Program includes four measures:

- (1) Heavy-Duty Charging Infrastructure Deployment Incentive Program
- (2) Battery Electric Freight Vehicle Deployment Incentive Program for Class 8 Heavy Duty Trucks and Class 4 and 5 Last Mile Freight Delivery Vehicles
- (3) Battery Electric Cargo Handling Equipment (CHE) Deployment Incentive Program
- (4) Battery Electric Locomotive Deployment Program

This Board Letter is addressing two items related to Invest Clean: (1) Contracting for data collection and program validation; and (2) Upfront funding for implementation of Last Mile Freight Delivery Vehicles.

### Contracting for Data Collection and Program Validation

In January 2025, the Board approved to execute an agreement with Alliance, management and operating contractor for DOE's National Renewable Energy Laboratory (NREL), to conduct data collection and program performance validation for INVEST CLEAN program's incentive measures. South Coast AQMD has been working with Alliance since Board approval and has experienced challenges with the contracting process due to contract terms between the U.S. EPA and NREL that could not be effectively aligned within the timeframe needed to move forward with implementation of the INVEST CLEAN Program. Therefore, with the U.S. EPA's approval, staff propose that Regents of the University of California, on behalf of its Irvine Campus,

also known as University of California, Irvine (UCI), perform the data collection and program performance validation tasks initially assigned to the Alliance/NREL. NREL is aware of the challenges South Coast AQMD identified throughout this process and that the INVEST CLEAN Program will move forward with UCI, as UCI has technical capacities and experience in data collection for vehicles and charging infrastructure and a comparatively straightforward agreement process.

#### Upfront Funding for Implementation of Last Mile Freight Delivery Vehicles

In January 2025, the Board also approved to execute a contract with SCAG to implement the Class 4/5 Last Mile Freight Program (LMFP) listed under Measure 2: Battery Electric Freight Vehicle Deployment Incentive Program. Since SCAG cannot advance funds to pay out rebates, “buffer funds” are necessary to ensure SCAG can issue LMFP rebates that meet U.S. EPA’s requirements for draw-down disbursements.

### **Proposal**

#### Contracting for Data Collection and Program Validation

This proposal is to execute an agreement with the Regents of the University of California, on behalf of its Irvine Campus to replace Alliance for the same amount Alliance was approved for, which was \$1,800,000 from Fund (90). All tasks previously assigned to NREL will be transferred to UCI, which include collecting and analyzing operational data and providing third-party oversight to verify the emission reductions of the vehicles and equipment deployed under the INVEST CLEAN Program and developing necessary procedures and methodologies for data collection and performance validation.

Upfront Funding for Implementation of Last Mile Freight Delivery Vehicles This proposal is also to transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to Fund (90) to reimburse SCAG for issuing the rebates to implement the LMFP until U.S. EPA’s reimbursements are received. The Clean Fuels Program Fund (31) will be fully reimbursed upon Program completion.

### **Sole Source Justification**

Section VIII.B.3. of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified for federally funded procurement. The request for a sole source award for the University of California, Irvine agreement is made under Section VIII.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**

INVEST CLEAN will deliver significant environmental benefits by replacing heavy-duty diesel goods movement equipment with battery-electric technologies and installing electrical charging infrastructure. The successful implementation of INVEST CLEAN

will result in annual emission reductions of 1,615 tons of NOx, 28 tons of PM2.5, and 30 tons of Diesel Particulate Matter. INVEST CLEAN is also expected to decrease carbon dioxide equivalent (CO2e) emissions by 3.6 million metric tons between 2025 and 2030, and by 11.8 million metric tons between 2025 and 2050. The equipment and infrastructure deployed under INVEST CLEAN will remain operational for years to come, providing long-term emission reduction benefits.

INVEST CLEAN will implement a workforce training program to support the transition to ZE technologies and create high quality jobs throughout the region. The two combined MSA regions have an unemployment rate of approximately 5.5 percent, which is above the national average.

### **Resource Impacts**

No additional funds are required to execute an agreement with Regents of the University of California, on behalf of its Irvine Campus since the contract with Alliance in the amount of \$1,800,000 approved by the Board in January 2025, was never executed and funds were never disbursed from the U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90).

Funding is available in the Clean Fuels Program Fund (31) for the temporary loan of up to \$1,500,000 to the U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90). The Clean Fuels Program Fund (31) will be fully reimbursed upon Program completion. Interest earned from the temporary loan under the U.S. EPA Climate Pollution Reduction Grant (CPRG) Special Revenue Fund (90) will be returned to the Clean Fuels Program Fund (31).

The Clean Fuels Program Fund (31) was 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 that increase the utilization of clean fuels, including the development of necessary 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.

# Execute an Agreement and Transfer Funds in Support of INVEST CLEAN Program Implementation

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Nicole Silva



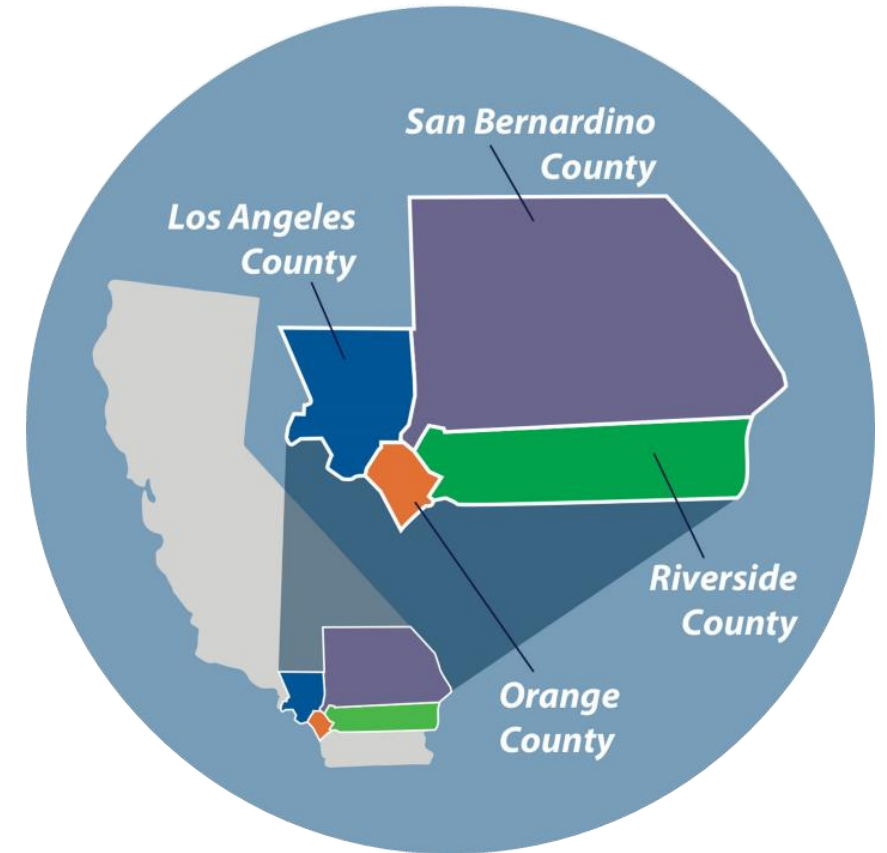
[↑ Back to Agenda](#)

Agenda #3



# Background

- In 2024, U.S. EPA awarded South Coast AQMD ~\$500 Million for INVEST CLEAN
- Partnered with agencies within two Metropolitan Statistical Areas (MSAs): Los Angeles-Long Beach-Anaheim and Riverside-San Bernardino-Ontario
- January 2025 Board approved execution of subaward agreements with SCAG & Alliance for Sustainable Energy, LLC (Alliance)
- U.S. EPA's grant cannot quickly reimburse SCAG for program implementation



# Subrecipients

## Alliance for Sustainable Energy, LLC (Alliance)

- Contract amount: \$1,800,000
- Collect and analyze data, improve modeling, evaluate objective completion, and identify best practices
- Alliance serves as the management and operating contractor for DOE's National Renewable Energy Laboratory (NREL)
- Contracting process was challenging due to contract terms between the U.S. EPA and NREL that could not be effectively aligned

## Southern California Association of Governments (SCAG)

- Last Mile Freight Program (LMFP)
- Battery Electric Freight Vehicle Deployment Incentive Program
- Each rebate has a maximum of \$67,000 per vehicle
- Cannot quickly advance the funds necessary to pay out rebates to approved applicants



# University of California, Irvine Advanced Power and Energy Program (APEP)

- South Coast AQMD has extensive history in straightforward contracting with UCI/APEP
- UCI has technical capacities and experience in data collection for vehicles and charging infrastructure
- INVEST CLEAN Program must be fully implemented by October 2029, therefore timely agreement execution with approved subrecipients is necessary



# Temporary Loan for SCAG Rebate Program



- U.S. EPA's draw-down disbursements requires proof of payment before draw-downs may be made
- SCAG cannot advance funds to pay out rebates and need "buffer funds" to ensure program can issue LMFP rebates for timely implementation
- Temporary loan from Clean Fuels Program Fund (31) will assist in meeting draw-down requirements

# Proposal

- Replace Alliance with UCI's APEP to conduct data collection and program performance validation
- Transfer \$1.5M as a temporary loan from Clean Fuels Program Fund (31) to U.S. EPA CPRG Fund (90) to support SCAG in program implementation

# Summary of Recommended Actions

- Authorize the Executive Officer to execute an agreement with the Regents of the University of California from Fund (90) to conduct data collection and program performance validation; and
- Transfer up to \$1,500,000 as a temporary loan from the Clean Fuels Program Fund (31) to Fund (90) to quickly provide reimbursement for SCAG's rebates

## INVEST CLEAN



BOARD MEETING DATE: September 5, 2025

AGENDA NO.

**PROPOSAL:** Authorize Carl Moyer and VW Programs to Fund Truck Projects With Program Eligible Low NOx Engines

**SYNOPSIS:** The Board approved Program Announcements (PAs) for the Carl Moyer Air Quality Standards Attainment Program (Carl Moyer Program) in 2022 and 2025, and Volkswagen Environmental Mitigation Trust Program (VW Program) in 2019 and 2021. These PAs solicited truck projects with 0.02 g/bhp-hr NOx-certified engines. Beginning with 2023 and newer model years, manufacturers no longer certify engines to the 0.02 g/bhp-hr NOx standard; instead, certifying to the 0.05 g/bhp-hr NOx standard. Therefore, Board authorization is needed to fund 0.05 g/bhp-hr NOx-certified engines for eligible truck projects under the Carl Moyer and VW Programs. This action is to authorize the Executive Officer to fund eligible truck projects with engines certified to the 0.05 g/bhp-hr NOx standard under the Carl Moyer and VW Programs.

**COMMITTEE:** Technology, August 15, 2025; Recommended for Approval

**RECOMMENDED ACTIONS:**

Authorize the Executive Officer to fund eligible truck replacement projects with engines certified to the 0.05 g/bhp-hr NOx standard under the following Program Announcements (PAs):

- Carl Moyer Air Quality Standards Attainment Program (Carl Moyer Program) #PA2022-01, #PA2023-04, and #PA2025-03; and
- Volkswagen Environmental Mitigation Trust Program (VW Program) – Combustion Freight and Marine Projects Category #PA2020-02 and #PA2021-07 for contracts executed before March 2024.

Wayne Natri  
Executive Officer

## **Background**

The Carl Moyer and VW Programs both provide funding for 0.02 g/bhp-hr truck projects. The eligibility requirements for these programs were approved by the Board and limit funding to 0.02 g/bhp-hr engines for all trucks under the Carl Moyer Program and for trucks under the combustion category of the VW Program. Beginning with 2023 and newer model years, manufacturers no longer certify engines to the 0.02 g/bhp-hr NOx standard: instead, certifying to the 0.05 g/bhp-hr NOx standard.

### *Carl Moyer Program*

The Carl Moyer Program Guidelines allow funding for engines certified to the 0.05 g/bhp-hr NOx standard and the 0.02 g/bhp-hr NOx standard. However, the guidelines set lower funding limits for engines certified to 0.05 g/bhp-hr NOx standard. Under the South Coast AQMD administered Carl Moyer Program, only engines meeting the 0.02 g/bhp-hr NOx standard or cleaner are eligible for funding to maximize emissions reductions and health benefits in the air basin.

In April 2022, December 2022, and March 2025, the Board approved the release of Carl Moyer Program #PA2022-01, PA2023-04, and #PA2025-03, where only engines that met the 0.02 g/bhp-hr NOx standards or cleaner were eligible for funding for on-road projects. Beginning with 2023 and newer model years, Cummins stopped certifying engines to the 0.02 g/bhp-hr NOx standard, and many awarded fleets are unable to move forward with their projects.

The design of the Cummins 2023 model year or newer natural gas engines was identical to that of the 2022 version, which was certified to 0.02 g/bhp-hr NOx standard, but due to more stringent laboratory and real-world test procedures, Cummins made a business decision to certify the newer engines to 0.05 g/bhp-hr NOx standard to allow a compliance margin. The Cummins natural gas engines are still the cleanest natural gas engines commercially available today.

### *VW Program*

In November 2018, March 2020, and March 2024, the Board recognized revenue for up to \$150 million to implement two of five project funding categories for the VW Program, including the Combustion Freight and Marine Project (Combustion Category) and Zero-Emission Class 8 Freight and Port Drayage Trucks (Zero-Emission Class 8 Trucks Category) categories.

The San Joaquin Valley Air Pollution Control District (APCD) and Bay Area Air District administer the other three VW Program funding categories as follows:

- San Joaquin Valley APCD – Zero-Emission Transit, School, and Shuttle Buses

- Bay Area Air District – Zero-Emission Freight and Marine Projects, and Light Duty Zero-Emission Vehicle Infrastructure

In December 2019 and June 2021, the Board approved releasing PA #PA2020-02 and #PA2021-07, under the Combustion Category, which solicited for the replacement or repower of Class 7 or Class 8 freight trucks, including drayage trucks, dump trucks, waste haulers, and concrete mixers, whose engines are certified to the 0.02 g/bhp-hr NOx standard. On September 18, 2024, CARB issued a one-time exception, approving payment to eligible Class 7 and Class 8 freight trucks under the VW Program - Combustion Category for contracts executed before March 2024, with replacement engines certified to the 0.05 g/bhp-hr NOx standard. Recently, Cummins stopped selling engines certified to the 0.02 g/bhp-hr NOx standard. Therefore, VW Program - Combustion Category award recipients were unable to acquire replacement trucks with engines that met the 0.02 g/bhp-hr NOx standard.

### **Proposal**

Staff recommend authorizing the Carl Moyer Program #PA2022-01, #PA2023-04, and #PA2025-03 to fund engines certified to the 0.05 g/bhp-hr standard for all eligible truck projects. Also, staff propose authorizing the VW Program – Combustion Category #PA2020-02 and #PA2021-07 to fund eligible truck projects with engines certified to the 0.05 g/bhp-hr standard for contracts executed before March 2024.

### **Outreach**

Carl Moyer Program applicants will be notified of the funding eligibility of the 0.05 g/bhp-hr NOx standard via the Carl Moyer Program website and email notification. VW Program applicants will be notified via e-mail.

### **Benefits to South Coast AQMD**

The 2022 AQMP calls for adopting zero-emission and low-NOx technologies, where feasible, and providing incentive funding to reduce mobile source emissions to meet the 2015 8-hour ozone standards by 2037. South Coast AQMD supports numerous activities to advance new technologies and meet regional air quality goals. Successful implementation of the Carl Moyer and VW Programs is a direct result of these technology advancement activities.

### **Resource Impacts**

No resource impacts are anticipated for the Carl Moyer or VW Programs.

## Agenda #4

# Authorize Carl Moyer and VW Programs to Fund Truck Projects With Program Eligible Low NOx Engines

Ping Gui  
Program Supervisor

# Background – VW and Carl Moyer Programs

- The Board approved Program Announcements (PAs) for the
  - VW Program in 2019 and 2021, and
  - Carl Moyer Program in 2022 and 2025
- PAs solicited truck projects with engines certified to 0.02 g/bhp-hr NO<sub>x</sub>
  - Beginning with the 2023 model year, no engines have been certified to this standard
  - Program recipients have not been able to move forward with their projects
- Board authorization is needed to fund truck projects certified to 0.05 g/bhp-hr NO<sub>x</sub>



# Summary of Recommended Actions

Authorize the Executive Officer to fund eligible truck replacement projects with engines certified to the 0.05 g/bhp-hr NOx standard under the following PAs:

- Carl Moyer Program – PA2022-01, PA2023-04, and PA2025-03; and
- VW Program – PA2020-02 and PA2021-07 for contracts executed before March 2024

BOARD MEETING DATE: September 5, 2025

AGENDA NO.

PROPOSAL: Approve Payments for Completed Contracts

SYNOPSIS: The Board authorized the execution of contracts with Advanced Energy Machines LLC (AEM) to demonstrate battery-electric Transportation Refrigeration Units and the University of California, Davis (UC Davis) to perform the California Hydrogen Systems Analysis. The AEM and UC Davis projects were completed in 2024, but the final invoices were submitted significantly later after the contracts had expired. This action is to authorize the Executive Officer to approve final payments for the AEM and UC Davis.

COMMITTEE: Technology, August 15, 2025; Recommended for Approval

**RECOMMENDED ACTIONS:**

Authorize the Executive Officer to authorize payments in the amount of:

- a. \$200,920 to Advanced Energy Machines, LLC (AEM) from the Rule 1121 Special Revenue Fund (27) under Contract #20109; and
- b. \$15,000 to the University of California, Davis (UC Davis) from the Clean Fuels Fund (31) under Contract #21372.

Wayne Natri  
Executive Officer

AK:MW:VP:MH

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**Background**

In 2019 and 2021, the Board approved two contracts with AEM and UC Davis, to demonstrate battery-electric Transportation Refrigeration Units (TRUs) and support California Hydrogen Systems Analysis.

The AEM contract was to demonstrate three battery-electric TRUs in food distribution, replacing old diesel-powered TRUs. The total contract amount was \$338,920. AEM completed the work before the contract expiration date; however,

due to issues involving invoicing documentation, the final invoice of \$200,920 was not approved prior to the contract's expiration.

The UC Davis contract was to support California Hydrogen Systems Analysis. The total contract amount was \$50,000. UC Davis's study was on hydrogen's role in transportation including light-, medium- and heavy-duty vehicles, as well as its use in the industry and role as an emerging energy storage option for intermittent electric power. The UC Davis, Institute of Transportation Studies, has developed several analytical tools and models to evaluate the rollout of a hydrogen system over the next 30 years. Although UC Davis completed the project before the contract expiration date, they submitted the final invoice for \$15,000 significantly later after the contract had expired.

### **Proposal**

Staff recommends authorizing payments for the outstanding balance of \$200,920 under Contract #20109 from the Rule 1121 Special Revenue Fund (27) to AEM, and the balance of \$15,000 under Contract #21372 from the Clean Fuels Fund (31) to UC Davis, for all work completed.

### **Benefits to South Coast AQMD**

The 2022 AQMP calls for adopting zero-emission and low-NOx technologies, where feasible, and providing incentive funding to reduce mobile source emissions to meet the 2015 8-hour ozone standards by 2037. South Coast AQMD supports numerous activities to advance new technologies and meet regional air quality goals. The successful implementation of various incentive and demonstration projects is a direct result of these technology advancement activities.

### **Resource Impacts**

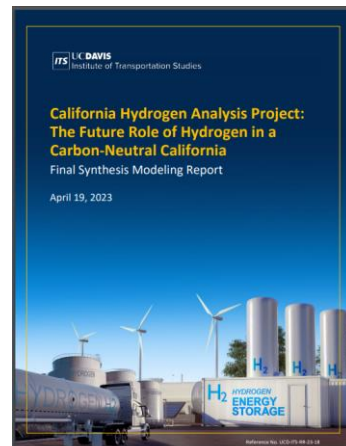
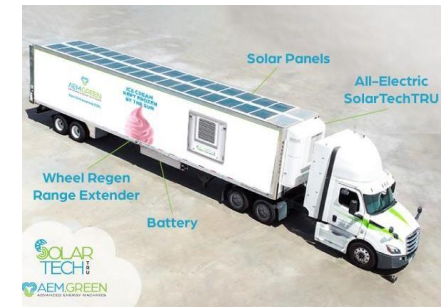
There are no additional resource impacts as the contracts were previously encumbered. Up to \$200,920 under Contract #20109 will be paid from the Rule 1121 Special Revenue Fund (27) to AEM, and up to \$15,000 under Contract #21372 will be paid from the Clean Fuels Fund (31) to UC Davis, for the final work completed under both contracts.

# APPROVE PAYMENTS FOR COMPLETED CONTRACTS

MARYAM HAJBABAEI

# BACKGROUND

- Advanced Energy Machines (AEM) demonstrated three Battery-electric Transportation Refrigeration Units (TRUs)
  - Total Contract amount: \$338,920
  - Final invoice approval of \$200,920 delayed due to timeliness of receiving invoicing documentation
- California Hydrogen Systems Analysis completed by UC Davis
  - Total Contract amount: \$50,000
  - Final invoice of \$15,000 submitted significantly after contract expiration



## SUMMARY OF RECOMMENDED ACTIONS

Authorize the Executive Officer to issue payments of:

- \$200,920 to AEM from the Rule 1121 Special Revenue Fund (27)
- \$15,000 to UC, Davis from the Clean Fuels Fund (31)



# Prologis OnDemand Power Solutions

Energize faster and stay connected  
when it matters most



**JT Steenkamp**  
VP Projects & Technology, Prologis OnDemand



ONDEMAND POWER

# Delivering Power When and Where You Need It

With utility interconnection stretching 3 to 7 years, customers are struggling to access the power they need. **Prologis OnDemand** addresses this critical gap through localized power generation solutions – unlocking new real estate opportunities.

## Offer Overview

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Bypass grid constraints and utility delays with scalable microgrid solutions from Prologis OnDemand Power—built to meet your toughest energy demands.

## Always-On Energy for Critical Operations

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Data Centers



Logistics Facilities



Mobility Infrastructure

ONDEMAND POWER

# Speed to Power – Access More Energy, Faster

## Timeline To Deliver 10+ MW\*



\*Timeline is subject to regulatory approvals and is dependent on a site by site basis





CASE STUDY



**PERFORMANCE TEAM**  
A Maersk Company

**Location:** Torrance, CA

**Key features:**

- Linear generators, BESS, DCFCs
- Working with grid upgrade timelines
- Additional reliability when grid joins
- Renewable Natural Gas & H2 flexible
- Develop in LA, a highly regulated district

PROVEN AT SCALE

# Achieving Resiliency in Just 12 Months

**10MW**

Prime power microgrid

**5.2M sq ft**

Warehouse power equivalent

**Net zero**

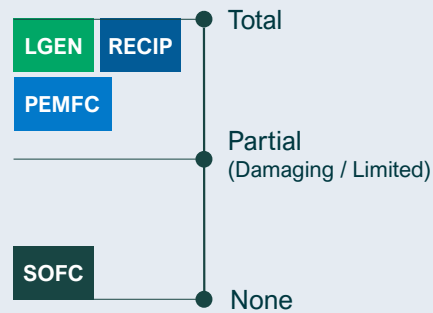
Ready for hydrogen & RNG

# Finding the Right-Fit Generation Technology

Prologis OnDemand tailors to your requirements, regardless of technology.

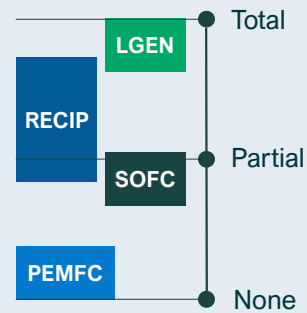
## Dispatchability

Depending on the use case, loads can fluctuate significantly.



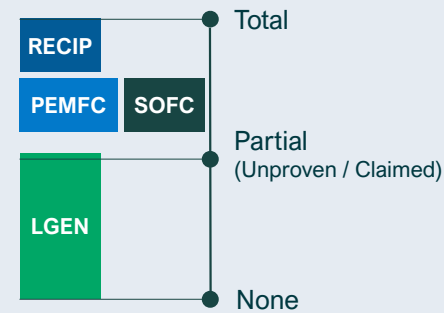
## Fuel Flexibility

Important to determine whether a technology is net zero compatible and viable across variable fuel supply chains.



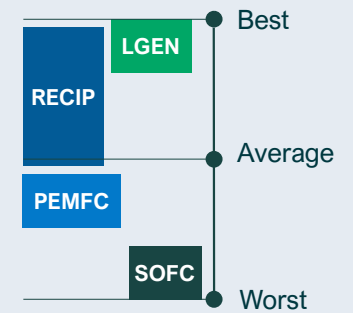
## Production Capacity

Ability of technology providers to deliver large scale volumes within months.

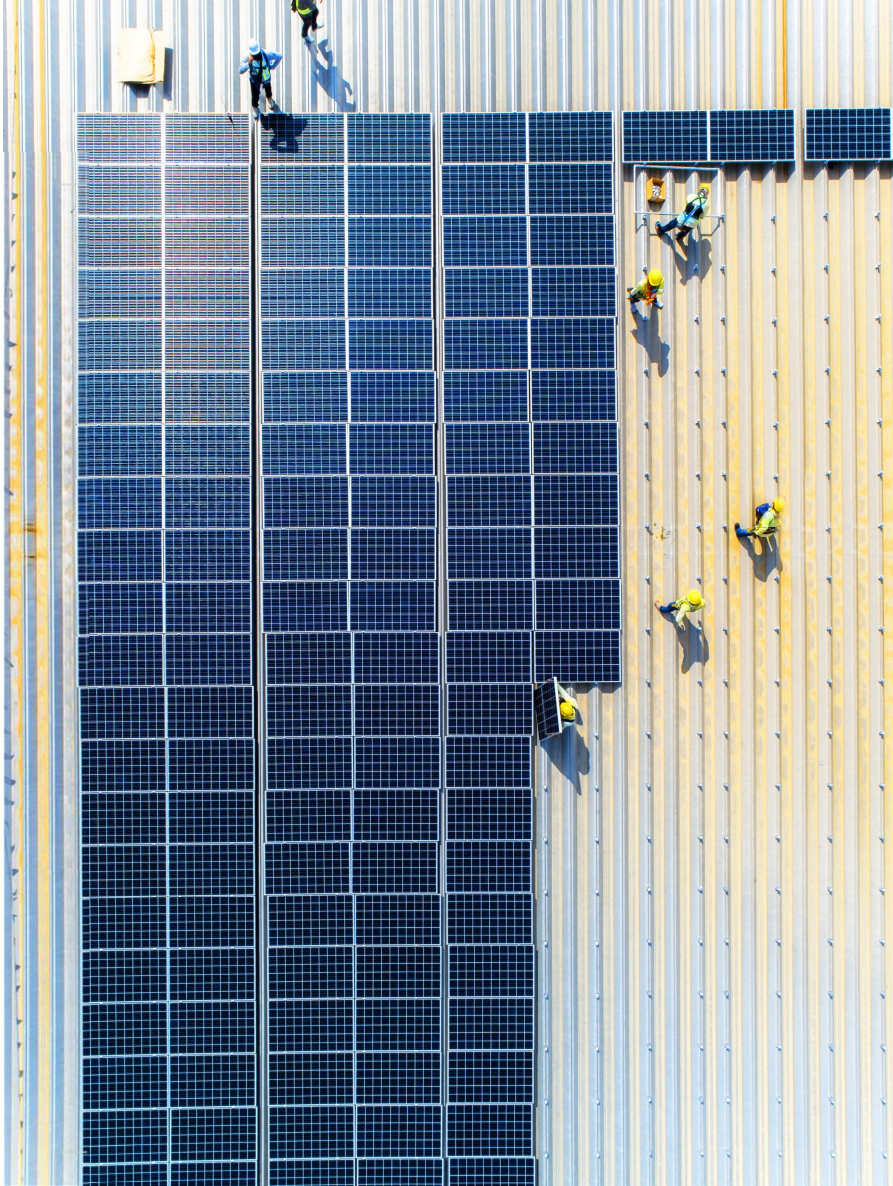
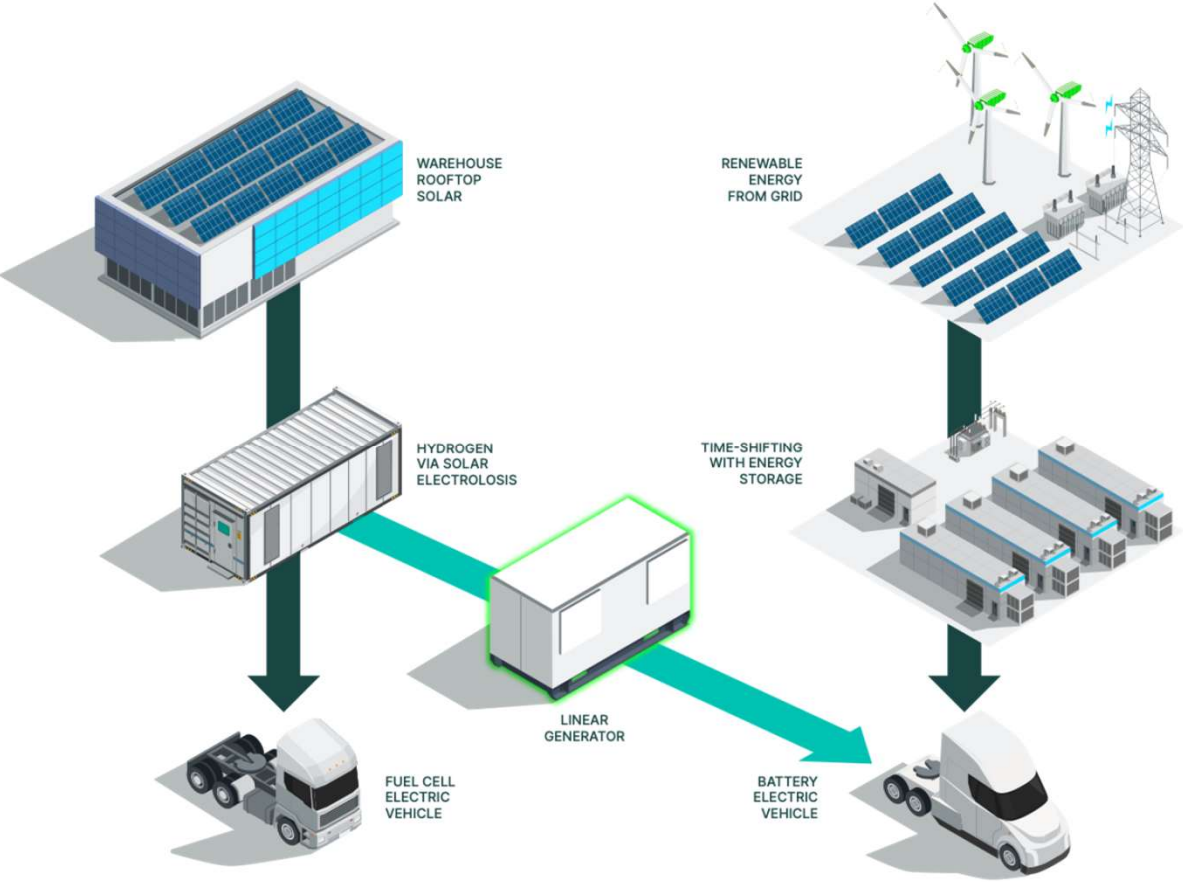


## Lifecycle Costs

Levelized life-cycle electricity costs inclusive of CapEx, OpEx, Fuel Cost and Operating Efficiencies.



# Hydrogen ZEV Pathways



# Local Hydrogen Production and Distribution Network Concept

