



# **Introduction to the Guideline Update Process for the Carl Moyer Program and the FARMER Program**

Public Workshop Meeting  
December 19, 2023

# Meeting Agreements

- Be respectful
- Take space, make space
- Listen to understand
- Strive to follow an equity approach when helping to strategize solutions for our clean transportation incentive programs
- Equity recognizes that advantages and barriers exist, and as a result, we do not all start from the same place

# Meeting Purpose

- Provide an overview of the incentive programs
- Discuss the upcoming process for Guideline updates
- Prepare for the Guidelines to be taken to the Board for consideration in June 2024

# Meeting Agenda

- Incentives Overview
- Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer)
- Funding Agricultural Replacement Measures for Emission Reductions Program (FARMER)
- Workshop & Workgroup Notifications

# Incentives Overview

# Role of Incentives



Support the State's climate change, air quality, zero-emission vehicle deployment, and petroleum reduction goals

Accelerate the transition of fleets to zero-emission



Support equitable, community-driven clean transportation and multi-sector approaches

Promote economic growth and job training and apprenticeship opportunities



Build on successes of previous investments and incorporate lessons learned

# CARB's Portfolio of Incentive Programs

## CARB Implementation

### **Clean Off-Road Equipment (CORE)**

Accelerate deployment of advanced technology in the off-road sector (e.g., gantry crane, TRUs, railcar movers)

### **Low Carbon Transportation Incentives (LCTI) and Air Quality Improvement Program (AQIP)**

Advance technologies to provide Priority Populations benefits with criteria pollutant, air toxics, and GHG reductions

### **Volkswagen Mitigation Trust**

Mobile source incentives for NOx mitigation and zero-emission, mainly scrap and replace projects

## CARB Guidelines for Air Districts Implementation

### **FARMER Program**

Grant program for equipment, including mobile equipment, used in agricultural operation

### **Proposition 1B Program**

Incentives for freight movement equipment with early and extra criteria air pollutants and toxic air contaminant emission reductions

### **Carl Moyer Program**

Mobile source and infrastructure incentives that are cost-effective and SIP creditable for air pollutant and toxic air contaminant emission reductions

### **Community Air Protection Incentives Program (AB 617)**

Criteria, toxics and GHG reductions for community goals



# Partnership Between State and Air Districts



- 35 Air Districts
  - 22 Air Pollution Control Districts
  - 12 Air Quality Management Districts
  - 1 Air Resources District



# Partnership Between State and Air Districts

## CARB's Role

- Develops and revises Guidelines
- Manages and distributes program funds
- District oversight
  - Program assistance
  - Data management
  - Program reviews and financial audits

## Air Districts' Role

- Implements the program
- Selects projects to meet local air quality needs
- Contracts with applicants to fund selected projects
- Monitors projects over their lifetime to ensure they're operational and project emissions reductions are realized

# Carl Moyer Program

# Carl Moyer Program Background



In Memory of Dr. Carl Moyer  
1937-1997

- 1998 marks the inception of the Carl Moyer Program
- CARB adopts the Guidelines in 1999
- Cost-effectively reduces smog-forming and toxic emissions
  - Oxides of Nitrogen (NO<sub>x</sub>)
  - Reactive Organic Gases (ROG)
  - Particulate Matter (PM)
- Over \$1 billion appropriated since inception

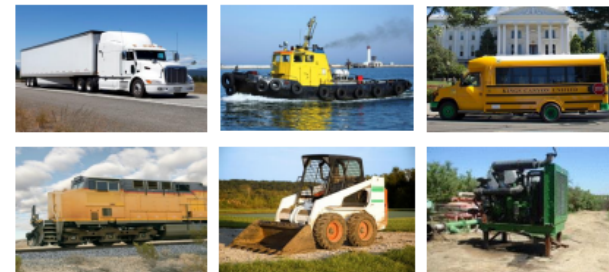
# Carl Moyer Program Background

- Statewide emission reduction program supporting multiple categories
- By statute, emission reductions must be:
  - State Implementation Plan (SIP) creditable – surplus, permanent, quantifiable, and enforceable
  - Cost-effective
- Partnership between State and Air Districts

## THE CARL MOYER PROGRAM GUIDELINES

2017 Revisions

VOLUME I: PROGRAM OVERVIEW, PROGRAM  
ADMINISTRATION AND PROJECT CRITERIA



Approved by the Board: APRIL 27, 2017

California Environmental Protection Agency

 **Air Resources Board**

# Carl Moyer Program Guidelines - Volume I

## Chapters 1-10

- Chapter 1: Program Overview
- Chapter 2: General Criteria
- Chapter 3: Program Administration
- Chapter 4: On-Road Heavy-Duty Vehicles
- Chapter 5: Off-Road Equipment
- Chapter 6: Locomotives
- Chapter 7: Marine Vessels
- Chapter 8: Light-Duty Vehicles
- Chapter 9: Lawn and Garden Equipment Replacement
- Chapter 10: Infrastructure

## Appendices

- Appendix A: Acronyms
- Appendix B: Definitions
- Appendix C: Cost-Effectiveness Calculation Methodology
- Appendix D: Tables for Emission Reduction and Cost-Effectiveness Calculations
- Appendix E: Chapter References



# Carl Moyer Program Guidelines - Volume II

- Voucher Incentive Programs (VIP)
  - On-Road VIP Guidelines
  - Off-Road VIP Guidelines
- Agricultural Assistance Program



# Goals for the Guidelines Update

- Modernize Guidelines
- Streamline processes where possible
- Align incentive program Guidelines where possible
- Increase transparency and clarity

# Carl Moyer Program Guideline Updates

What will be considered for updates:

- Program Administration
- Source category chapters
- Emission factors and calculation updates
- Volume II updates



# Carl Moyer Program Events & Information

- Additional workshops and workgroup meetings will be held in early 2024, with an expected Board consideration in June 2024

Event	Date
Public Kick-Off	December 2023
Carl Moyer Guideline Workshop Meetings	Early 2024
Carl Moyer Guideline 45-day Comment Period	Spring 2024
Board Hearing	June 2024

# Carl Moyer Program Contact

Deborah Paselk  
Air Pollution Specialist  
[Deborah.Paselk@arb.ca.gov](mailto:Deborah.Paselk@arb.ca.gov)

Program Email  
[MoyerHelp@arb.ca.gov](mailto:MoyerHelp@arb.ca.gov)

Carl Moyer Program Website  
<https://ww2.arb.ca.gov/our-work/programs/carl-moyer-memorial-air-quality-standards-attainment-program>

# Carl Moyer Program - Open Discussion



Use the Q&A feature to type a question



Use the raised hand function (#2 if calling in by phone)



Please state your name and affiliation before asking a question or making a comment.



You may also email questions to the:

- Carl Moyer Program - [MoyerHelp@arb.ca.gov](mailto:MoyerHelp@arb.ca.gov)

# FARMER Program

# FARMER Program Background

- Began with a \$135M appropriation in fiscal year 2017-18 to reduce agriculture (ag) sector emissions
- FARMER Program Guidelines approved in March 2018
- Similar to the Carl Moyer Program, FARMER funding is administered by local air districts
- Eligibility is restricted to ag operations



# FARMER Program Background

- Project categories include:
  - Off-road ag equipment
  - Heavy-duty on-road trucks
  - Zero-emission utility terrain vehicles (UTV)
  - Advanced tech demonstration
  - Others
- \$760 million has been appropriated to the program statewide since fiscal year 2017-18
- Program has expanded to include modifications to existing categories and new categories



# FARMER Program Updates

- Develop comprehensive set of guidelines
- Updates to administrative requirements and project criteria
- Updates will add flexibility and aid in district administration
- Update Process:

Event	Date
Public Kick-Off	December 2023
FARMER Public Workgroup Meetings	Early 2024
Board Hearing	June 2024



# FARMER Program Contact

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Program Email  
[FARMER@arb.ca.gov](mailto:FARMER@arb.ca.gov)

FARMER Program Website  
[www.arb.ca.gov/FARMER](http://www.arb.ca.gov/FARMER)



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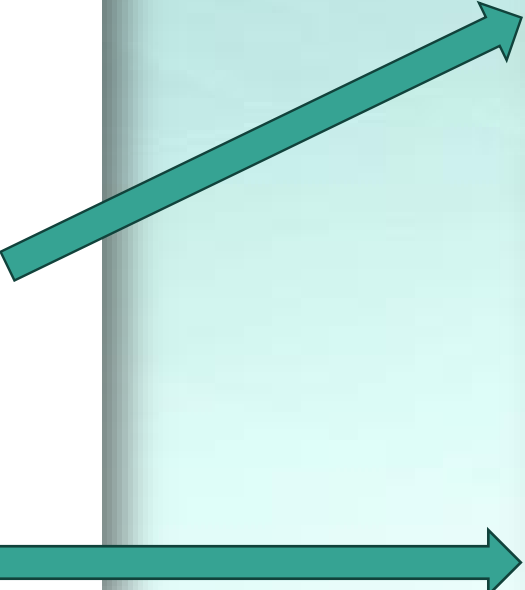
# **Workshop & Workgroup Notifications**

# Workshop & Workgroup Notifications



**FARMER Program**


- About
- News
- Resources
- How to Apply
- District Contacts
- Meetings & Workshops
- District Administrative Forms
- Outreach Materials
- Subscribe



## Current and Upcoming Meetings & Workshops

A Table of Current and Upcoming Meetings & Workshops listed by their date, locations, event type, and additional information

Dates & Locations	Event	Additional Information
Tuesday, December 19, 2023 1:00 pm to 3:00 pm (PST) Zoom Webinar	First Public Workshop to Introduce the Process to Update the Carl Moyer Program Guidelines and FARMER Program Guidelines	<ul style="list-style-type: none"><li>• <a href="#">Workshop Notice</a></li><li>• <a href="#">Register</a></li></ul>



### Email Updates

To sign up for updates or to access your subscriber preferences, please enter your contact information below.

**Email Address** \*

Your contact information is used to deliver requested updates or to access your subscriber preferences.

# General - Open Discussion



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- FARMER Program - [FARMER@arb.ca.gov](mailto:FARMER@arb.ca.gov)

**Thank you!**