



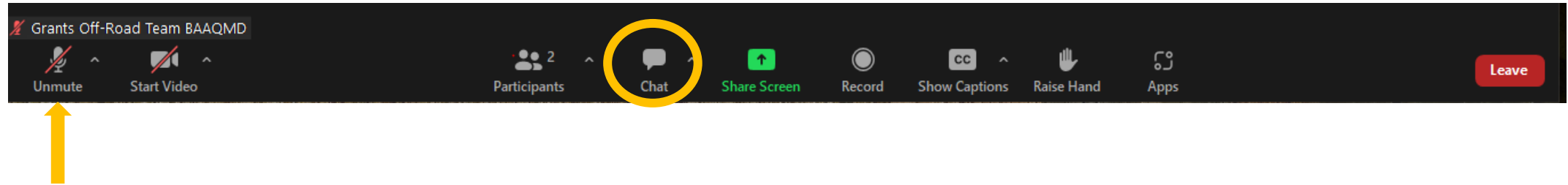
# **Bay Area Air Quality Management District: School Bus Grant Program Webinar**

**December 7, 2023**

**Ryan Ahrling  
Staff Specialist**

**Bay Area Air Quality Management District**

# Webinar Information



- This webinar is being recorded
- We have muted all the participants audio and turned off video.

# Webinar Information

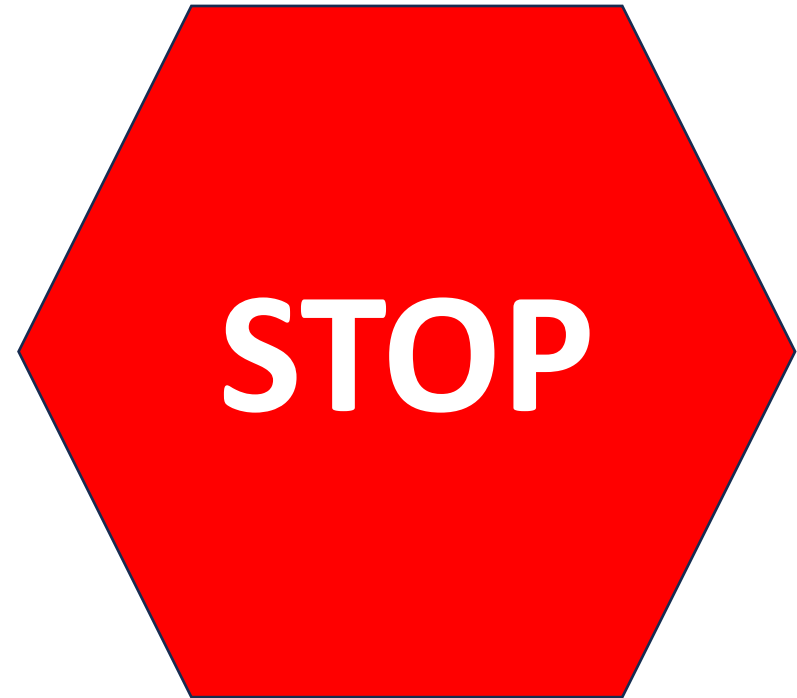
- Please send your questions to the “Pls send me your question - Jason” host in the chat box. We will answer them at the end of the presentation.
- Presentation slides are available at <https://www.baaqmd.gov/funding-and-incentives/businesses-and-fleets/school-buses> and the recording will be posted there as well.
- Email [grants@baaqmd.gov](mailto:grants@baaqmd.gov) for a copy of the slides and recording, if needed.

# School Bus Program Webinar Outline

- School Bus Program Overview
  - Who can apply?
  - Eligibility requirements
  - Funding Amounts
- Infrastructure Funding Overview and Requirements
- Project Process
  - How to Apply
  - What to Expect
- Additional Resources
- Q&A

# Intended Audience

- Air District School Bus Information Only
- No Stand-Alone Infrastructure Applications



# Overview

## OBJECTIVE

- Replacing older higher emitting school buses with electric school buses.
- Support charging infrastructure.

## Funding Opportunities

- \$80 Million in funding available.
- Air District runs several programs for school bus projects.
- Submit one application for all programs.
- First-come, first-served. Only applicants operating in priority communities are eligible.

# School Bus Eligibility – Eligible Applicants

## Who is eligible?

- Public school districts
- Public charter schools
- Joint power authorities
- Private Transportation Providers



# School Bus Eligibility – Baseline Vehicles

- Requirements for baseline vehicles:
- Buses with GVWR  $\geq$  14,001 lbs.
- California Highway Patrol Form 292
- Proof of insurance
- Registered with Department of Motor Vehicles
- Ownership Requirements
  - Sole owner of vehicle documented through title
  - No lien holder on vehicle title
  - Owned and operated vehicle for previous 24 months

**STATE OF CALIFORNIA**  
**CERTIFICATE OF TITLE**

**AUTOMOBILE**

VEHICLE ID NUMBER: [REDACTED] VEHICLE HISTORY: [REDACTED]

VEHICLE MODEL: 1998 MAKE: BMW PLATE NUMBER: [REDACTED]

UNLADEN WEIGHT: 4000 LBS. FUEL: G TRANSFER DATE: 06/11 FEES PAID: \$197 REGISTRATION EXPIRATION DATE: 12/2011

CLASS: BS 2011 SU EQUIPMT/TRUST NUMBER: [REDACTED] ISSUE DATE: 07/11

ODOMETER DATE: 06/2011 ODOMETER READING: [REDACTED] NOT ACTUAL MILEAGE

I certify (or declare) under penalty of perjury under the laws of the State of California that THE SIGNATURE(S) BELOW RELEASES INTEREST IN THE VEHICLE.

1a. SIGNATURE OF REGISTERED OWNER: [REDACTED] DATE: [REDACTED] **1a - Sign Here**

1b. SIGNATURE OF REGISTERED OWNER: [REDACTED] DATE: [REDACTED]

The odometer now reads [REDACTED] (no tenths), miles and to the best of my knowledge reflects the actual mileage unless one of the following statements is checked.

WARNING  Odometer reading is not the actual mileage.  Mileage exceeds the odometer mechanical limits.

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

DATE: [REDACTED] TRANSFEROR/SELLER SIGNATURE(S): [REDACTED] DATE: [REDACTED] TRANSFEREE/BUYER SIGNATURE(S): [REDACTED]

PRINTED NAME OF BUYER OR AGENT SIGNING FOR A COMPANY: [REDACTED] **Sign if <20 years old**

Any change of Lienholder (holder of security interest) must be reported to the Department of Motor Vehicles within 10 days.

LIENHOLDER(S): [REDACTED]

2. SIGNATURE OF REGISTERED OWNER: [REDACTED] DATE: [REDACTED] CA

REG. 17.300RS (REV. 7/07)

**KEEP IN A SAFE PLACE - VOID IF ALTERED**



# School Bus Eligibility - Replacement Vehicles

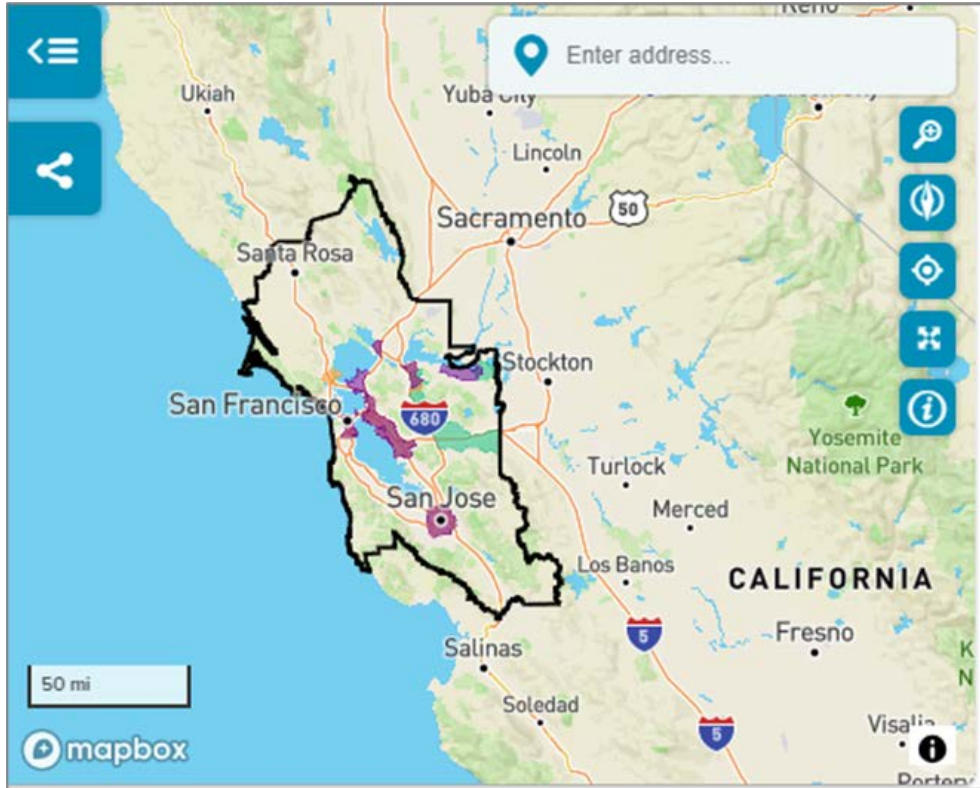
- **Eligible replacement vehicles**
  - Buses with GVWR  $\geq$  14,001 lbs.
  - Replacement vehicle must be new and like-for-like
  - Zero-emission electric
  - CARB certification
  - Warranty documentation



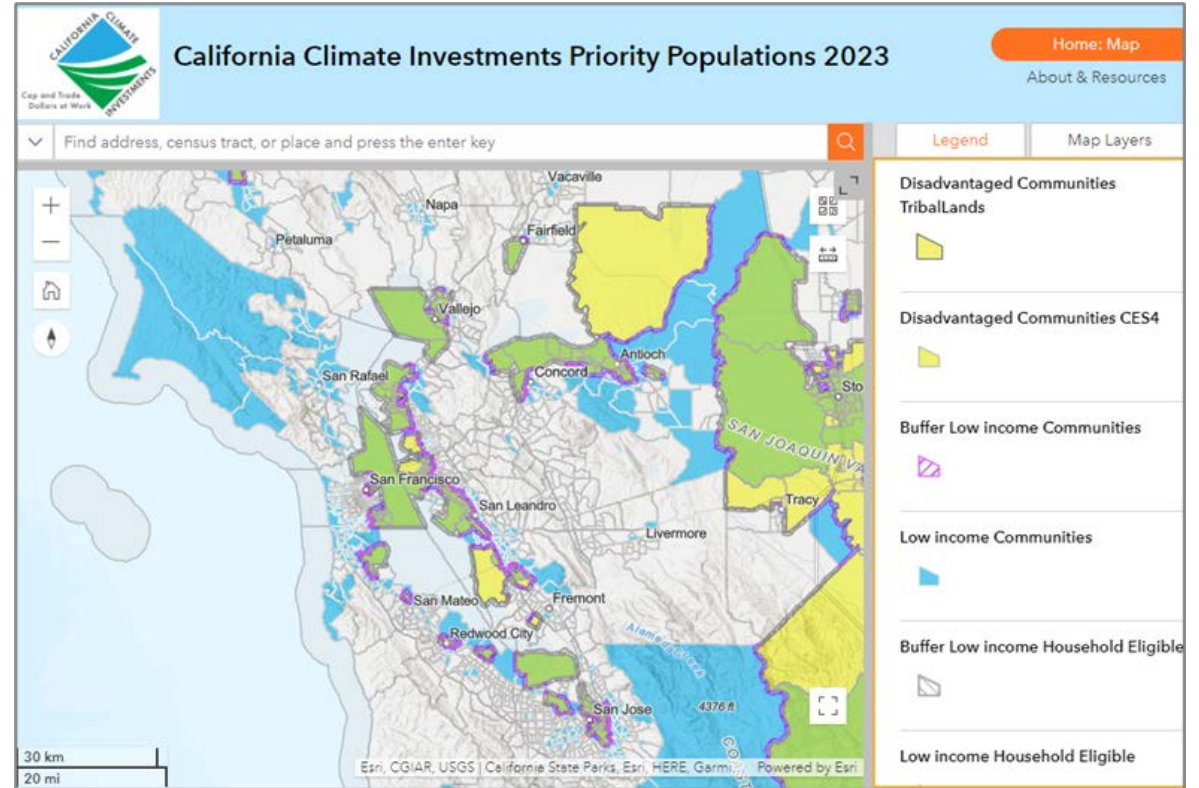
# General Requirements

- Operate in Air District Jurisdiction
- Projects must operate in a
  - Low-income,
  - Disadvantaged,
  - AB617 Community:
    - West Oakland,
    - East Oakland,
    - Richmond-San Pablo, and
    - Bayview-Hunters Point/Southeast San Francisco

# General Requirements Continued



<https://www.baaqmd.gov/community-health/community-health-protection-program/community-air-risk-evaluation-care-program>



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

# General Requirements Continued

- **Usage Documentation**
  - Acceptable documents include:
    - In-house inspection records
    - Mileage logbooks
    - Maintenance records
    - CHP inspection records
    - Fleet tracking software logs
  - Two twelve-month periods within previous thirty months



# General Requirements Continued

**June 7,  
2021**



**Today:  
December  
7, 2023**



# General Requirements Continued

- School Board Resolution
- California Air Resources Board Truck and Bus Regulation Compliant
  - Email: [trucrs@arb.ca.gov](mailto:trucrs@arb.ca.gov)
  - Phone: 1-866-6DIESEL (1-866-634-3735)

**TRUCRS**

Welcome to the Truck Regulation Upload Compliance and Reporting System (TRUCRS)

Hi [REDACTED] [Log Out](#)

TRUCRS ID: [REDACTED] - [REDACTED] Unified School District

[Account Home](#) [Message Center](#) [Company Info](#) **[Vehicle Info](#)** [Compliance Status](#)

**[Vehicle List](#)** [Odometer Readings](#) [Street Sweepers](#)

[Add New Vehicle](#) Search by VIN number:  [Search](#) Search by "Owner ID":  [Search](#)

Active Vehicles: 14 Reported [Download To CSV](#) [Sort By Order Vehicle Enter](#)

Show Page 1 (100 rows per page, Total 14 vehicles.)

Edit Vehicle	#	VIN	Plate	Owner ID	Vehicle Model Year	Vehicle Make (Model)	Vehicle Type	Vehicle Class	Engine Year	Purchase Date	Compliance Option	Delete Vehicle
Edit	1	[REDACTED]	[REDACTED]	57	2003	BLUEBIRD (T2/RE)	Bus School	Class 7 (26,001-33,000lbs)	2001	2002-01-20	None	Delete

# School Bus Funding Amounts



- Cost-Effectiveness Calculations
- Grants up to 100% subject to maximum funding amounts
- Air District can perform sample calculations prior to application submittal

# School Bus Infrastructure Funding

- Applications for infrastructure must include school bus replacements
- Funding available for level 2 and DC fast chargers and associated installation/construction
- Funding amount
  - 100% of eligible costs
  - Solar and wind eligible





# Infrastructure Project Application

- Documents to include in your application:
  - Itemized quote
  - Warranty Information

ABC VENDOR		QUOTATION
<i>School Bus</i>		
123 Main Street	DATE	December 6, 2023
San Francisco, CA 11111	QUOTATION #	ABC123
Phone: (XXX) XXX-XXXX	CUSTOMER ID	ABC123
<b>BILL TO</b>	QUOTATION VALID UNTIL	December 16, 2023
School Disitric	PREPARED BY	John Smith
123 Main St. Bay Area, CA 12345		
(XXX) XXX-XXXX		
DESCRIPTION		AMOUNT
Labor (Trenching)		\$ 500.00
Labor (Construction Management)		
Permitting		
Design		
Level 2 EV Charger		
	<b>TOTAL</b>	\$ 500.00
<i>Due upon receipt</i>	If you have any questions concerning this quotation, please reach out to John Smith at (XXX) XXX-XXXX or example@example.com	
<b>THANK YOU FOR YOUR BUSINESS!</b>		

# Infrastructure Project Requirements

- **General Requirements**
  - Own land or long-term lease
  - Battery electric charging equipment Level 2 or higher
  - Equipment must be new
  - Permanently installed and located in Air District boundaries



# PG&E EV Fleet Program

- Program offers infrastructure incentive and charging rebates
- Contact Information for PG&E EV Fleet Program – Tim O’Neil
  - Email: [TKO2@pge.com](mailto:TKO2@pge.com)
  - Phone: (209) 401-8189



# Funding Examples

## Buses

Bus Type	Baseline Engines	New Replacement Engines	Annual Usage	Potential Funding	Cost Per Bus	Actual Funding Per Bus
6 Type A	1999 diesel 215 - 225 hp	2021 electric 215 hp	3,375 miles / bus	Up to 100% of eligible project cost	\$270,376	\$90,000 (33%) DERA \$175,000 (65%)
4 Type C	1999, 2002 diesel 195 hp	2021 electric 295 hp	7,900 miles / bus	Up to 100% of eligible project cost	\$393,132	\$393,132

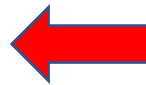
## Infrastructure

Equipment Type	Description	Annual Usage	Potential Funding	Cost	Actual Funding
Infrastructure	Install 10 level 2 electric chargers including trenching, switchboard installation, bollards, etc.	N/A	Up to 100% of eligible project cost (materials & labor)	\$215,000	\$215,000

# How to Apply

- Review the School Bus Program equipment webpage [www.baaqmd.gov/schoolbuses](http://www.baaqmd.gov/schoolbuses)
- Contact the Air District for a consultation on your potential project
- Understand all applicable state regulations that may apply to the proposed project equipment
- Start gathering all the information about the equipment and required documents
- Contact an equipment dealership on identifying the replacement equipment

Apply online at:  
[www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer)

A screenshot of the Carl Moyer Program website. The header is blue with the text "Carl Moyer Program" and "UPDATED 8/27/2018". Below the header is a breadcrumb trail: "Air District / Grant Funding / Funding Sources / Carl Moyer Program". There are icons for print, email, and a plus sign. The main content area has the text "Learn how to upgrade or replace heavy-duty vehicles and equipment with funding from the Carl Moyer Program." Below this is a light blue box containing the text "Carl Moyer Program Application" and a "LOGIN" button.

Carl Moyer Program **UPDATED** 8/27/2018

Air District / Grant Funding / Funding Sources / Carl Moyer Program

Learn how to upgrade or replace heavy-duty vehicles and equipment with funding from the Carl Moyer Program.

Carl Moyer Program Application

**LOGIN**

# Grant Process



Application  
submission

- Project approval
- MSCIC/BOD approval needed for  $\leq$  \$500K projects
- Air District inspects old equipment



Contract  
execution

- Contract executed
- Dealer orders and delivers new equipment

# Grant Process Continued



New Equipment  
Delivered

Old equipment  
destroyed

Payment

- New equipment inspected
- Old equipment sent to dismantler
  
- Old equipment destroyed
- Destroyed equipment inspected
  
- Payment issued
- Meet minimum usage
- Annual reporting

# **Let's Drive Positive Change!**

**Even though the time children spend in diesel school bus commute accounts for less than 10% of a child's day, the commute contributes to 33% of a child's daily exposure to some air pollutants.**





# Additional Resources

- Carl Moyer Program Guidelines
- Online System User Guide
- School Bus Program Fact Sheet
- CARB School Bus Regulation Fact Sheet
- Required School Bus Application Checklist
- Webinar Presentation Slides

# Contact Information

[www.baaqmd.gov/schoolbuses](http://www.baaqmd.gov/schoolbuses)

Apply online at: [www.baaqmd.gov/moyer](http://www.baaqmd.gov/moyer)

Bay Area Air Quality Management District  
375 Beale Street, Suite 600  
San Francisco, CA 94105

[grants@baaqmd.gov](mailto:grants@baaqmd.gov)

(415) 749-4994

# Five Minute Break



# Q&A

[www.baaqmd.gov/schoolbuses](http://www.baaqmd.gov/schoolbuses)

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