



How to Ask Questions

- CC
- Submit your questions by typing them in "Question Tab" as shown on the right hand side of your screen
- Questions can be submitted at any time during the webinar
- After the webinar you can submit questions to <u>ruralschoolbus@ncuaqmd.org</u>
- Technology specific questions will not be addressed, please contact a school bus vendor



Background

- Part of the California Climate Investments Program
- Funded with proceeds from CA's Cap-and-Trade Program
- · Goals:
 - Accelerate turnover of CA's school bus fleet to zeroemission technology and encourage the use of alternative fuel types
 - Further CA's goal of 5 million zero-emission vehicles on the road by 2030
 - Reduces student exposure to pollutants, making a positive impact on children's health



Year 1 Recap

- The first cycle of the Rural School Bus Pilot Project (16/17 GGRF) received over 400 applications from 262 School Districts
- The program received a total of \$15 million in funding
- As of this presentation, the NCUAQMD has awarded funding for over 40 new school buses
- Schools began accepting delivery of new school buses in December 2017

Updates to Year 2

- Applicants may now submit up to 12 applications in either of the project categories
- Applications collected during this solicitation may be used for multiple years of the program

Who is Eligible to Apply?

Public School Districts

- Public Charter Schools
- County Offices of Education
- Joint Power Authorities (JPAs)
- Division of State Special Schools of the State Department of Education •

To participate, applicants must own and operate a school bus that is at least 20 years old and is currently CHP Certified.

Project Types

- School bus replacement utilizing Zero-Emission Vehicle Technology
- School bus replacement utilizing Hybrid or Internal Combustion Engine Technology, using Renewable Fuel Types

Zero-Emission School Bus

Zero-Emission School Bus

- Allows for fleet expansion
 Destruction required if old bus is not retained
- as a back-up vehicle Battery electric or fuel cell
- · Up to three projects can be awarded, per applicant, per funding year

- Funding Amounts Up to \$400,000 school bus, taxes, delivery Up to \$5,000 electric school bus charging

 - infrastructure
 - · Only allowable costs will be funded

Hybrid or Internal **Combustion Engine**



Hybrid or Internal Combustion Engine (ICE) School Bus

- Replaces old bus (destruction required)
 New engine must meet the following emission standards:
- NOx 0.20 g/bhp-hr and PM 0.01 g/bhp-hr One project awarded, per applicant, per funding
- year Requires the use of Renewable Fuel types

Funding Amounts

- \$165,000 school bus, taxes, delivery, and
- incremental renewable fuel costs

 Only allowable costs will be funded

Renewable Fuel

Projects choosing bus replacement utilizing Hybrid or Internal Combustion Engine Technology must purchase enough renewable fuel to propel the new bus for the length of the contract term.

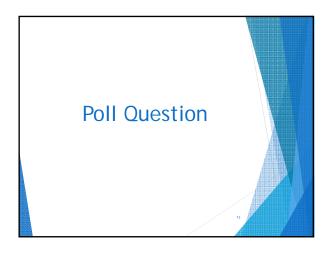
- Renewable Diesel (renewable hydrocarbon diesel)
 - $_{\circ}~$ Can be transferred and stored in the same infrastructure as traditional diesel
 - Biodiesel is not the same as Renewable Diesel
- Renewable CNG (biogas-derived biomethane)
- Renewable Propane (renewable liquefied petroleum • gas)

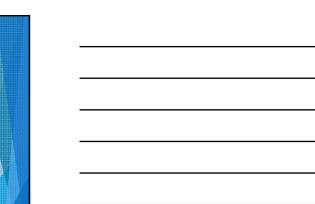
Funding Amounts

New School Bus Technology	Maximum Funding Level
Hybrid and internal combustion	\$165,000
engine school buses and incremental	(includes school bus, taxes, and
renewable fuel costs	incremental renewable fuel costs)
Zero-emission school buses	\$400,000
Electric school bus charging	\$5,000
infrastructure	1

• Incremental renewable fuel costs are the difference in costs between the renewable fuel type and the comparable non-renewable fuel type that would be

- purchased to perform the same function Electric school bus charging infrastructure funding is per
- Project (school bus)
 Projects that receive co-funding cannot exceed allowable projects costs





Application Process

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Two-part application process:

Application Part A

- Accepted June 20 August 10, 2018
- Requires basic information about the applicant, old school bus, and desired technology
- Applicants may submit up to twelve applications in either project category.
- Award letters and Application Part B will be sent on or before September 10, 2018

Application Part B

- Only sent to applicants initially selected for funding
- Requires the submission of supporting documentation for the old school bus, vendor estimates, and school board resolutions
- Wet Signature required, documents can be emailed
- Due within 30 days, requests for extensions are available, on a limited basis, for supporting documentation
- Applicants will be notified when their submission has been reviewed and their project verified as eligible

Grantee Requirements

- Agreement: Enter into a three-year agreement with the North Coast Unified Air Quality Management District
- Purchase New School Bus: Submit a purchase order for the new school bus(es) and charging infrastructure, if applicable, within 30 days of agreement execution
- Place New School Bus into Service: New school buses are required to be delivered and CHP certified no later than February 1, 2021
- Reporting: Submit annual reporting on the use of both the new and old school bus, if applicable, per the conditions of your grant agreement for three years

How to Apply

Application Part A can be submitted in three ways: • Using the online application submittal page <u>http://www.ncuagmd.org/index.php?page-rural.school.bus</u>

- Mail paper copy to the North Coast Unified AQMD
- Email application to ruralschoolbus@ncuaqmd.org

Document Submission and Application Readiness

Application Part A does not require the submission of any records/documents. For example, estimates are not required at this time. If the documents submitted with Application Part B do not support the same information submitted on Part A, your initial grant offer will be terminated and you will be placed back on the ranked list at your new location.

Application Part A - Old Bus Information



The following are details that you will provide on Part A that will impact your project ranking:

- Vehicle Model Year of the non-engine portion of the vehicle (chassis) as listed on the CA DMV Registration
- Total chassis mileage, and when applicable:
 Mileage at engine replacement or rebuild
 Mileage at odometer replacement



Application Part B - New Bus Selection and Documentation Submission

Part B requires submission of supporting documentation for the old school bus, vendor estimates, and school board resolutions.

Applicants must submit the following records to demonstrate project eligibility and to determine grant funding amount.

Additional records may be required, depending on your project type.

CHP Safety Certification (Form 292)

CHP certifies buses that are part of your active fleet. This record verifies that your old bus is an in-use vehicle and signals the date your new bus is placed into active service.

Helpful Tip

- If possible, retain them for the life of your vehicle
- Helps to verify mileage, odometer roll-over, provides additional VIN and license plate verification

DMV Registration

This document provides verification for:

- model year of the non-engine portion of the vehicle
- owner
- vehicle identification number (VIN)
- license plate

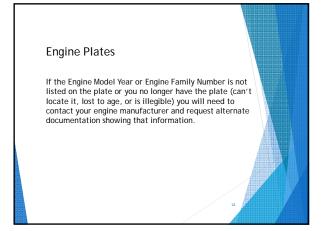
Bus & Engine Plates (tags)

These photos provide verification for:

- VIN
- GVWR
- Make and Model of bus
- Engine Serial Number
- Engine Model Year and Engine Family

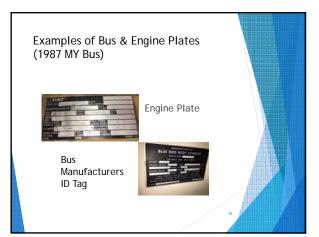
Helpful Tip

- Pre-take these photos and put in bus file
- Find this information before you need it



Title 13, §2183(c) requires that: "No 1974 or newer diesel powered heavy-duty commercial vehicle shall operate in California without evidence that, at the time of maufacture, the installed engine met emission standards at least as stringent as applicable federal emission standards for the model year of the engine."

An ARB Fact Sheet can be found here: <u>https://www.arb.ca.gov/enf/advs/advs364.pdf</u>





Vendor Estimates

The following estimates are required with the submission of Application Part B: All Projects

 New school bus: Estimates must include a breakdown of options selected for verification of allowable bus costs

Zero-Emission Vehicles Only

Purchase of EV Charging Equipment

- Installation of EV Charging Equipment: To be completed by a licensed electrician or contractor and must include license number.
 - Check with your local utility to ensure the electrical lines can handle the additional load of charging

Additional records

All Projects

- CARB Executive Orders
- School Board Resolution (template available)

Hybrid or Internal Combustion Engine Projects

 Verification of the availability of Renewable Fuel, letter from your fuel provider



School Bus Replacement Program

Jennifer Masterson Fuels and Transportation Division California Energy Commission

June 2018

School Bus Program Overview

- \$75 million in grant funds for replacement of oldest school buses in CA
- Eligible applicants: school districts and county offices of education (COE) in CA.
- Priority given to oldest school buses, or buses operating in disadvantaged communities and schools that have majority of students eligible for free or reduced-price meals.

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Program Design

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1. School bus replacement (2 phases)

- Phase 1: Solicit public school districts/COEs to establish a list of buses eligible for replacement based on applications received.
- Phase 2: Solicit manufacturers to design, construct, and deliver the replacement electric buses to school districts and COEs awarded in Phase 1. This phase is a separate solicitation which is planned for release in late 2018.

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	or this solicitation are presented below s change for the asterisked (*) activitie
Activity	Date
School District Solicitation Released	May 31, 2018
School District Pre-Application Workshop	June 12, 2018
Deadline for Written Questions b 5:00 p.m. *	June 15, 2018
Deadline for Written Questions b	June 15, 2018

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How to Apply & Stay Connected

How to apply:

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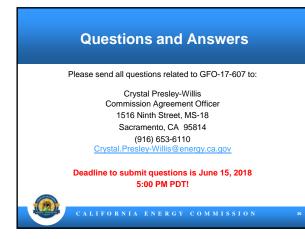
 http://www.energy.ca.gov/contracts/tran sportation.html#GFO-17-607
 Complete application and submit by September 20, 2018



List Server: <u>http://www.energy.ca.gov/transportation</u> <u>/schoolbus/index.html</u>

 Follow instructions on bottom left corner

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Helpful Links

- California Air Resources Board
- www.arb.ca.gov/homepage.htm • The Truck Stop (diesel information)
- www.arb.ca.gov/msprog/truckstop/truckstop.htm
- Join a CARB Email List
- public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=listserv • Rural School Bus Pilot Project
- www.ncuaqmd.org/index.php?page=rural.school.bus
- CARB Financial Opportunities for California School Buses
- www.arb.ca.gov/msprog/truckstop/funding/schoolbus_fa.htm
- Truck & Bus Regulation School Bus Provision Fact Sheet
- www.arb.ca.gov/msprog/onrdiesel/documents/fsschoolbus.pdf
 CARB School Bus Fleet webinar
- www.arb.ca.gov/msprog/truckstop/video/04201810.26carb

Contact Us

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