



Carl Moyer Grant Program Overview Webinar

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Webinar Information

This webinar is recorded

A copy of this presentation can be downloaded from the handouts box.

Type in questions using the questions box.

Questions will be answered at the end of the presentation.

Show/Hide Control Panel

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The screenshot shows a GoToWebinar control panel with the following sections:

- Audio:** Includes options for Telephone and Mic & Speakers (selected). A "MUTED" status is shown with a microphone icon. A dropdown menu shows "Missing a mic". A volume slider is set to 000000000. Another dropdown menu shows "Headphones (High Definition Audio Device)". A "Sound Check" link is present.
- Handouts:** A section labeled "+ Handouts - 0".
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Callouts from the text on the left point to specific icons in the control panel:

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- "Raise Hand" points to the hand icon with a green glow.
- "Handouts Box" points to the plus sign icon next to "Handouts - 0".
- "Questions Box" points to the text input field in the "Questions" section.



Agenda

- Background on the Air District (BAAQMD)
- Carl Moyer Program and the Community Health Protection Program
- Equipment Categories
 - Off-Road/Agriculture
 - Marine/Locomotive
 - On-Road/School Bus
 - Infrastructure
- How to apply for funding
- Questions and answers



BAAQMD Background

The Air District

- Established in 1955
- Serves over seven million residents in the nine Bay Area counties
- Mission: To protect and improve public health, air quality, and the global climate



Strategic Incentives Division

- Target emission reductions from mobile sources
- Fund technologies and projects with the greatest potential to reduce air emissions from criteria pollutants
 - Criteria pollutants (NO_x, PM, and ROG)
 - Toxic air contaminants
 - Greenhouse gases (GHG)
- Help improve air quality in the highly-impacted Bay Area communities (CARE and CAP Areas)





Funding Opportunities

Carl Moyer Program and Community Health Protection Program (open now)

- Trucks and buses, school buses, off-road equipment, marine projects, locomotives, and charging/fueling infrastructure for near-zero and zero-emission projects

Goods Movement Program (open now – apply by Jan 15, 2021)

- Funding for near-zero and zero-emission equipment that transport goods along the major trade corridors in California

Volkswagen Environmental Mitigation Trust (expected to open early 2021)

- Trucks and buses, school buses, cargo-handling equipment, marine, and charging/fueling infrastructure for zero-emission projects

Other funding opportunities

- Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project (HVIP)
- CARB's Clean Off-road Equipment Incentive Project (CORE)
- California Energy Commission (CEC) grants
- PG&E grants



Carl Moyer Program and Community Health Protection Program

More than \$40 million currently available

- A voluntary state-funded program that aims to achieve emissions reductions from diesel equipment beyond what is required by law
- Higher grant amounts are available for the replacement of equipment with zero-emissions (or cleanest available) operating in:
 - West Oakland
 - San Jose
 - Tri-Valley area
 - East Oakland/San Leandro
 - Eastern San Francisco
 - Vallejo
 - Pittsburg-Bay Point area
 - Richmond-San Pablo
- Community input will help inform the Air District's project outreach and project identification processes
- Applications are currently being accepted on a first-come, first served basis until all funding has been allocated
- Focus on the cleanest available technologies and infrastructure
- Can co-fund with CORE, CEC, PG&E, or other eligible grant programs



Project Types

- **Equipment/Vehicle replacements:**
The replacement of older, dirtier equipment/vehicles with newer, cleaner, emission-certified equipment. Older equipment must be scrapped for this project type.
- **Repower of existing equipment (engine repower):**
The replacement of an existing engine with a newer emission-certified engine.
- **Equipment conversions:**
The conversion of existing equipment or vehicles to operate on electric or hybrid power.
- **Retrofit or CNG tank replacement:**
Installation of an emission control device or the replacement of on-board compressed natural gas tanks.
- **Infrastructure:**
As part of an eligible equipment project, the installation of alternative fuel and charging infrastructure to support eligible equipment.





Equipment Categories

**On-Road/
School Bus**



**Marine/
Locomotive**



**Off-Road/
Agriculture**





All Category Information

General Eligibility Criteria:

- All emissions reductions achieved through a funded project must be surplus to any regulatory requirements or legal mandates
- Funded equipment cannot be used for credit under regulatory emission averaging, banking, or trading, through the contract term
- All existing project equipment must be operational.
- Equipment Replacement Projects must be like-for-like
- Project must be cost-effective (emissions reductions achieved per funding amount must be within cost effectiveness limits set by ARB)
- Existing engines/equipment replaced as part of a funded project must be scrapped and destroyed



Off-Road Projects

The Off-Road category includes:

- Off-Road Equipment such as loaders, tractors, excavators, scrapers, forklifts, ground support equipment, and other off-road equipment with engines greater than 25 hp.
- Portable engines/equipment such as portable generators, concrete pumps, wood chippers, water pumps, etc.

Grants up to 80-95% of eligible costs

*Retrofit projects not limited by maximum funding percentage

www.baaqmd.gov/offroad





Off-Road Eligibility

Eligibility Criteria:

- Fleet must be in compliance with, or exempt from, all regulatory compliance requirements
- Project must be completed 2 to 3 years before any applicable baseline equipment compliance deadlines
- Equipment must operate within the Air District's boundaries 75% of the time
- Baseline Equipment must be 25 hp or greater with a Tier 0, Tier 1, Tier 2, or Tier 3 engine
- Replace with new or used equipment that meets the cleanest California emission standards (Tier 4 Final or cleaner) and is within 25% of the existing equipment horsepower
- Document ownership and usage history for the previous 24 months



Marine/Locomotive Projects

The Marine/Locomotive category includes:

- Commercial or institutional marine vessels such as charter fishing boats, commercial fishing boats, pilot boats, work boats, and research boats
- Regulated commercial marine vessels such as barges, crew and supply vessels, dredges, tour boats, ferries, tugboats, and towboats
- Shorepower projects – Shiplside, shoreside, and emission capture system
- Class 3, military, industrial, passenger, and class 1 locomotives

Grants up to 85% of eligible costs

*Retrofit projects not limited by maximum funding percentage

Marine: www.baaqmd.gov/marine

Locomotive: www.baaqmd.gov/trains





Marine/Locomotive Eligibility

Eligibility Criteria:

- Owned by participant and operated in CA
- Must provide usage records for the past two years
- Marine:
 - Operate at least 70% of the time in the Bay Area Waters
 - Vessels and fleets must currently be in compliance with the CA Commercial Harbor Craft Regulation, with at least three years before the compliance deadline
 - Equipment propulsion or auxiliary engines must be 25 horsepower or greater
- Locomotive:
 - Must operate within the Air District's Jurisdiction Boundaries
 - Limited opportunities for projects subject to a regulation or MOU



On-Road Projects

The On-Road category includes:

- Heavy-duty trucks and buses
- School buses
- Transit vehicles
- Solid waste vehicles
- Utility trucks
- Emergency vehicles
- Other on-road vehicles

Grants up to 80-95% of eligible costs for fleets of 10 or less

Grants up to 50-60% of eligible costs for fleets of 11+

*Emergency vehicle fleets, school buses, and repower projects are not limited by maximum funding percentage

On-Road: www.baaqmd.gov/onroad





On-Road Eligibility

Fleet Size

- **Fleets of 1-10 vehicles:** Replacement vehicles with a 2013 model year or newer engine certified to a PM emission standard of 0.01 g/bhp-hr and a NOx standard level of 0.2 g/bhp-hr or lower
- **Fleet of 11 or more vehicles:** Must purchase optional low-NOx, near-zero, or zero-emission equipment

General Criteria

- Equipment must have Gross Vehicle Weight Rating (GVWR) of greater than 14,000 lbs.
- Equipment must operate at least 51% of the time in the Bay Area and 75% of the time in California
- Meet Air District's local eligibility requirements
- Equipment must be owned by applicant and registered in CA
- Equipment must have been owned by applicant, registered and insured for the past 24 months
- Equipment must have an engine model year of 2010 or older and be at least one year prior to any regulatory compliance deadlines
- Applicant must provide documentation of compliance with CARB's Truck and Bus Regulation, Drayage Truck Regulation, or other on-road regulations
- Applicant must be able to submit usage documentation of annual miles traveled in CA for the previous 24 months (no fuel usage)



On-Road: Grant Execution and Eligibility

Through the Carl Moyer Program, grants are executed in one of two ways:

- Voucher (Voucher Incentive Program, or VIP)
- Contracts

Project Category	Project Type ^(a)		Execution Path
	Replacement	Repower/Conversion	
Heavy-Duty Trucks and Buses	✓	✓	Voucher or Contract
School Bus	✓	✓	Contract
Transit Fleet Vehicles	✓	✓	Contract
Drayage Trucks	✓	✓	Voucher or Contract
Solid Waste Vehicles	✓	✓	Contract
Public Agency/Utility Vehicles	✓	✓	Contract
Emergency Vehicles	✓		Contract

Vouchers	Contracts
Fleets of 10 or fewer vehicles	Any fleet size
Diesel or cleaner replacement	Cleaner replacement
Minimum 51% operation in the Bay Area and 75% in California	Minimum 75% operation in the Bay Area and 75% in California
Must go through an approved dealership	Can work with any dealership
Voucher with a 3-year project term	Applicant enters into contract with Air District and is subject to a minimum total usage and project life
Grant amount is applied to the total equipment cost (Air District reimburses dealership directly)	Applicant receives check directly
Approved dealerships conduct inspections (except destruction inspection)	Air District staff conducts inspections
Must be completed by December 31st	Project deadline is based on equipment's compliance deadline



On-Road: School Bus Projects

Who is eligible?

- Public school districts
- Joint power authorities
- Public charter schools
- County offices of education
- Private fleets contracted to provide public school transportation in CAP eligible areas

What is eligible?

- Buses with GVWR \geq 14,001 lbs
- Buses fueled by diesel or natural gas
- Buses with GVWR \leq 14,000 lbs considered case-by-case
- New alternative fuel or charging infrastructure

Grants up to 100% subject to maximum funding amounts

School Bus: www.baaqmd.gov/lesbp





School Bus Eligibility

Eligibility Criteria:

- Existing fleet must be compliant with CARB Truck & Bus Regulation.
- Projects must meet the funding parameters or cost-effectiveness formula based on usage, engine hp, model year, and project life.
- Equipment must be used at least 75% of the time in the Bay Area.
- Public school districts must submit a school board Resolution approving the application and proposed project costs.
- Email: trucrs@arb.ca.gov or contact the Diesel Hotline at 1-866-6DIESEL (1-866-634-3735).



Infrastructure Funding

- Infrastructure funding is provided to support eligible project equipment
- Infrastructure only projects require case-by-case approval.
- Eligible costs include the cost of design and engineering, equipment, installation directly related to the construction of the station, meter/data loggers, and on-site power generation systems that fuels or powers covered sources (i.e., solar and wind power generation equipment)
- Infrastructure projects include:
 - ❖ Battery charging stations (non-residential)
 - ❖ Alternative fueling stations
 - ❖ Stationary agricultural pump
 - ❖ Shore power
 - ❖ Other infrastructure, on a case-by-case basis

*Additional funding available for publicly accessible, solar/wind, or public-school-bus-related infrastructure

% of Eligible Cost	Infrastructure Projects
Up to 60%	All Projects
Up to 70%	Publicly Accessible Projects
Up to 75%	Projects with Solar/Wind Power Systems
Up to 85%	Publicly Accessible Projects with Solar/Wind Power Systems
Up to 100%	Located at a Sensitive Receptor





Funding Examples

Equipment Type	Baseline Engine	New Replacement Engine	Annual Usage	Potential Funding	Total Cost	Actual Funding
Agricultural Tractor	1998 diesel Tier 1, 64hp	2020 diesel Tier 4 Final, 73 hp	400 Hours	Up to 90% of eligible project cost	\$48,284	\$38,600
Drayage Truck	2008 diesel 52,000 GVWR	2020 diesel (0.20 g/bhp-hr Nox)	88,000 Miles	Up to \$60,000 or 80% of eligible project cost	\$128,300	\$55,000
School Bus	1998 diesel 225hp	2020 electric 215hp	6,730 Miles	Up to \$400,000 or 100% of eligible project cost	\$270,014	\$270,014
Charter Fishing Boat	2010 diesel 454 hp	2020 diesel Tier 3, 450 hp	1,300 Hours	Up to 80% of eligible project cost	\$132,325	\$99,000



How to Apply

- Review the relevant BAAQMD Carl Moyer Program equipment category fact sheet and webpage
 - Understand all applicable state regulations that may apply to the proposed project equipment
 - Determine whether the equipment qualifies for funding
 - Start gathering all the information about the equipment and required documents
 - Work with an equipment dealership on identifying the replacement equipment, if applicable.
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- **Apply online at:**
www.baaqmd.gov/moyer or
www.baaqmd.gov/ab617grants

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



Application Submission – Next Steps

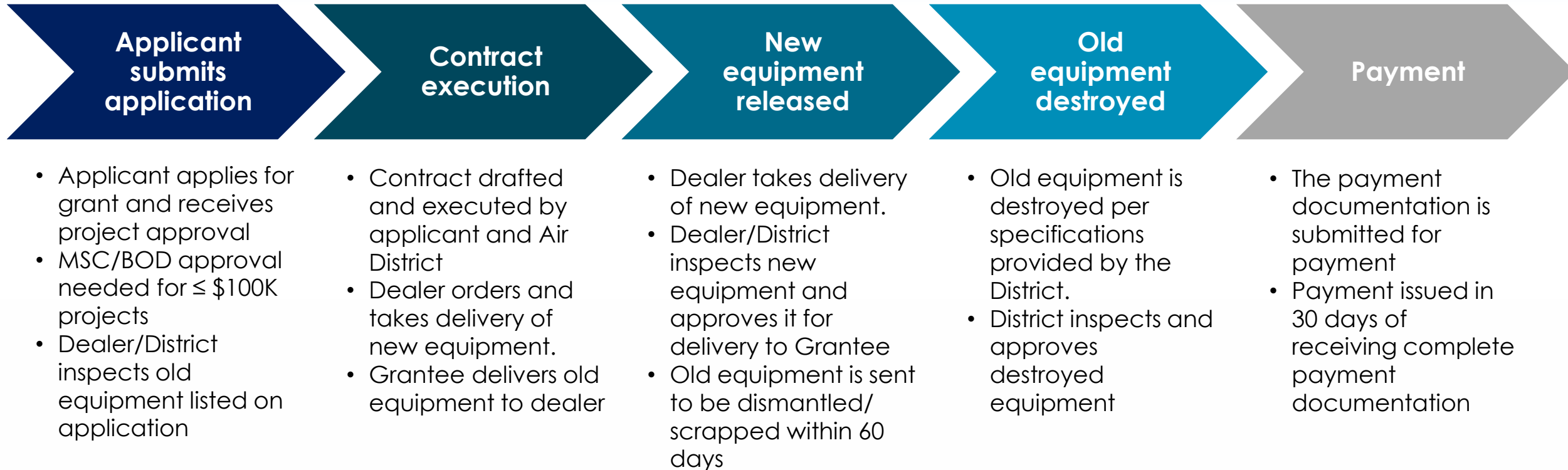
After your application is completed and submitted:

- Air District staff will contact you **within five business days** to let you know if anything is missing or if we need additional information
- Once we have the necessary information, we will evaluate your project to determine if it is eligible for grant funding
 - If your project is not eligible for grant funding, you will be notified, and your application will be denied in the online system
 - If your project is eligible for grant funding, you will receive an email once your project is approved for grant funding



Grant Process

Dismantler has 60 days from date of delivery to destroy equipment and have it inspected by an Air District inspector





Contact Information

Carl Moyer Program: www.baaqmd.gov/moyer

Community Health Protection Program: www.baaqmd.gov/ab617grants

Staff	Program	Email Address	Phone Number
Adam Shapiro	Off-Road & Agriculture	ashapiro@baaqmd.gov	(415) 749-8441
Daniel Anderson	PERP & Stationary Agriculture	danderson@baaqmd.gov	(415) 749-8717
Kenneth Mak	On-Road	kmak@baaqmd.gov	(415) 749-8660
Clair Keleher	School Bus	ckeleher@baaqmd.gov	(415) 749 4692
Yu Zhang Liu	Marine Vessels & Locomotive	yliu@baaqmd.gov	(415) 749-8430

The image shows a vast, aerial view of a sea of white, fluffy clouds. The clouds are dense and cover most of the lower two-thirds of the frame. Above the clouds, the sky is a clear, light blue. The overall scene is bright and airy.

Questions?