



Off-Road Grant Program Application Training

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Webinar Information

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Agenda

- Background on the Air District (BAAQMD)
- Incentives overview
- Carl Moyer Program and Community Health Protection Program
- Off-road Equipment Eligibility
- Funding overview
- 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, FARMER, and Community Health Protection Program (Open now)

- Off-road mobile and portable equipment, stationary agriculture pumps, trucks and buses, school buses, marine projects, locomotives, and charging/fueling infrastructure for near-zero and zero-emission projects

Goods Movement Program (Currently Closed, Will Open Again Soon)

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

Volkswagen Environmental Mitigation Trust (Open now with more opening in 2021)

- Off-road equipment, trucks and buses, school buses, marine, locomotives, and charging/fueling infrastructure for zero-emission projects
- Currently open categories are transit and shuttle buses to zero emission (San Joaquin Valley Air Pollution Control District) and combustion freight and marine (South Coast Air Quality Management District)

Other funding opportunities (can be co-funded with Air District grants)

- California Clean Off-Road Equipment Voucher Incentive Project (CORE)
- California Energy Commission (CEC) grants
- PG&E electric vehicle supply equipment (EVSE) Incentives



Carl Moyer Program and Community Health Protection Program

Over \$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
 - East Oakland/San Leandro
 - Pittsburg-Bay Point area
 - San Jose
 - Eastern San Francisco
 - Richmond-San Pablo
 - Tri-Valley area
 - Vallejo
- 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

- **Vehicle replacements:** The replacement of an older, dirtier vehicle with a newer, emission-certified vehicle
- **Repower of existing equipment (engine repower):** The replacement of an existing engine with a newer emission-certified engine
- **Equipment conversions:** The replacement or modification of the original engine or vehicle to include either a cleaner engine or other system that provides motive power and change in the fuel type used
- **Infrastructure:** The installation of alternative fuel and charging infrastructure to support eligible equipment





Equipment Replacement Program (ERP)

The ERP reduces emissions by replacing old, highly-polluting equipment with newer, cleaner equipment earlier than would have been expected through normal attrition.

CMP funds may be used through the ERP to offset:

- part of the cost of replacement equipment
- engine repower
- incremental costs of going to the cleanest-available technology
- associated charging infrastructure





Off-Road Funding Amounts

Maximum funding levels for off-road vehicle project types

Project type	Maximum Percentages
Mobile equipment replacement	Up to 90%
Diesel Repower	Up to 95%
Large-spark ignition (LSI) engine repower	Up to 95%
Repower to zero-emission	Up to 95%
Installation of engine retrofit	Up to 100%
Infrastructure	Up to 60% of the cost to purchase and install alternative fueling or charging infrastructure (higher funding % are available)

- New equipment not meeting the current emission standards is not eligible for max funding
- Additional funding may be available for infrastructure that is publicly accessible, powered by solar/wind, serving a port/railyard/freight facility, or located at a sensitive receptor.
- Opportunities for fleets of all sizes are available but more funding is available for small fleets
- Projects must meet the program funding parameters and overall cost-effectiveness based on the equipment's usage, engine horsepower, and model year



Eligible Equipment Costs

The District considers eligible costs to be the base cost of the replacement equipment (with no additional features, options, upgrades, or add-ons that incur any cost), plus the applicable sales tax only.

The District will also consider the following when determining eligible cost:

- 4-wheel drive *if* baseline equipment has 4-wheel drive, 4-wheel drive is integral to the equipment's work, equipment cannot be purchased without 4-wheel drive, and 4-wheel drive cost isn't already included in the base equipment cost
- Cab *if* baseline equipment has a cab, equipment cannot be purchased without a cab, and when there is no equivalent eligible equipment without a cab
- Loader attachment *if* baseline equipment is a tractor-loader and the loader attachment is integral to the equipment's work



Off-Road Eligibility

- Common equipment: loaders, tractors, excavators, scrapers, forklifts, ground support equipment, and other off-road equipment
- Fleet must be in compliance with, or exempt from, all regulatory compliance requirements
- Project must be completed 2 to 3 years before applicable compliance deadline
- Operate within the Air District's boundaries at least 75% of the time
- Baseline Equipment must be operable with a Tier 0, Tier 1, Tier 2, or Tier 3 engine that is 25 hp or greater
- 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
- Replacement equipment must perform the same work as the old equipment
- Old equipment must be destroyed at time of project completion



Off-Road Compliance

- Fleet and equipment must be in full compliance with all applicable regulations and registered with the California Air Resources Board (CARB) and/or the Air District, as applicable, to receive funding
- No off-road funded projects can be used towards compliance requirements while the project is under contract.
- Common applicable regulations for Off-road equipment are:
 - In-Use Off-Road Diesel Regulation Off-Road Regulation (Off-road Regulation)
 - Large Spark Ignition Fleet Regulation (LSI Regulation)
 - Regulation for Cargo Handling Equipment at Ports and Intermodal Rail Yards (CHE Regulation)
 - Portable Engine Airborne Toxic Control Measure Regulation (PERP and ATCM Regulation)
 - Statewide Truck and Bus Regulation
 - Other regulations may apply
- Call the CARB regulatory hotline at 1-866-6-DIESEL if you are unsure which regulation your equipment falls under or cannot determine whether you are eligible to apply.



Stationary & Portable Agricultural Engines

- Eligible stationary and portable diesel engines must be 1997-1998 model years or newer with power rating of 25 hp and greater.
- Diesel engines 50 hp and greater must be registered with BAAQMD, and portable engines 50 hp and greater must be registered with California's Portable Engine Replacement Program (PERP) to be eligible for funding.
- Limited-use stationary compression ignition diesel engines with an existing Alternative Compliance Plan may be eligible for funding.
- The minimum project life is at least 1 to 3 years and the project must be completed before the associated ATCM compliance date.





Infrastructure Funding

- Provided in support of 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 fuel or power covered sources (i.e., solar and wind power generation equipment)
- Infrastructure projects include:
 - Battery charging stations
 - Alternative fueling stations
 - Stationary agricultural pumps
 - Other infrastructure, on a case-by-case basis

Percentage 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





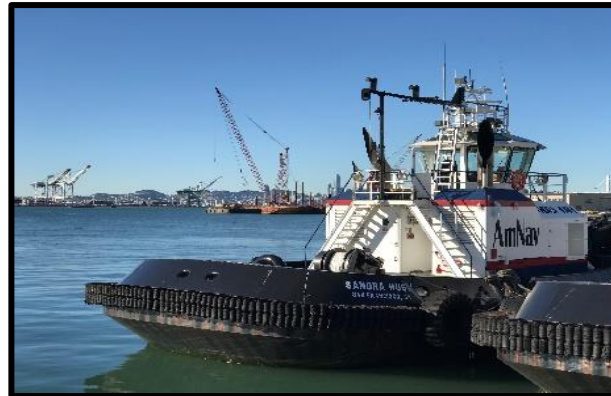
Off-road Funding Examples

Equipment Type	Baseline Engine	New Replacement Engine	Annual Usage	Potential Funding	Total Cost	Actual Funding
Agricultural Tractor	1998 Diesel Tier 1, 64hp	2019 Diesel Tier 4 Final, 73 hp	400 Hours	Up to 90% of eligible project cost	\$48,284	\$38,600
Agricultural Tractor/Loader	2011 Diesel Tier 3, 135 hp	2019 Diesel Tier 4 Final, 140 hp	1,350 Hours	Up to 90% of eligible project cost	\$158,370	\$126,695
Construction Wheel Loader	1988 Diesel Tier 0, 233 hp	2019 Diesel Tier 4 Final, 285 hp	798 Hours	Up to 90% of eligible project cost	\$290,603	\$167,500
LSI Forklift	1992 LPG Unregulated	Zero-emission	1200 Hours	Up to 90% of eligible project cost	\$86,919	\$78,227
Portable Pallet Grinder	2001 Diesel Tier 2, 500hp	2019 Electric Tier 4 Final, 600 hp	24,770 Hours	Up to 90% of eligible project cost Up to 60% of eligible infrastructure cost	\$1,385,274	\$863,500



Other Project Types

- On-road equipment
- Marine vessels
- School buses
- Locomotives





How to Apply

- Understand any applicable state regulations that may apply to the fleet
- Identify older, dirtier equipment and decide which units to upgrade and replace
- Determine whether equipment qualifies for funding
- Start gathering all the information about the equipment and required supplemental documents
- Work with an equipment dealership on identifying the replacement equipment
- 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](#)

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Account Login

Returning User? Please log in.

Username

Password

[Log In](#)

[Forgot Password](#)

[New User? Please create an account.](#) ←



Online Application System

- There are two steps required to apply online:
 - Create your user profile (or organization account) or third-party account if assisting with the application
 - Login to the organization account to create a new funding proposal
- Once created, the account remains in the system and can be used to apply for CMP funding in the current or future application cycles, as well as to submit documents and annual reports for funded projects
- An online application user guide can be found at www.baaqmd.gov/moyer
- Once created you can add the vendor as a 3rd party to assist you with the application process

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Returning User? Please log in.

Create Primary Account for Your Organization

Each organization applying for grant funding from the BAAQMD can register for a grant proposal account. This account will be associated uniquely to the organization's legal name (the legal equipment owner) and must be created by an executive within the organization who can approve grant applications, represent his or her organization in contracts with the District, and manage their organization's account with the District.

Create Organization Account

Create Third Party Account

Third Party accounts exist for third parties to assist in the grant proposal application process of applicant organizations. Third Party accounts need to be created before they can be associated with a grant applicant organization.

Create Third Party Account

Please Note: The online application requires that you have an email address. If you do not currently have an email address, you may establish one with a web-based service such as Yahoo, Hotmail, Google Mail, etc. The funding process requires that you regularly check the email account for messages about your project. Most business of the program will be transacted through email and other electronic means, using your email address as an identifier for your project.

BAY AREA AIR QUALITY MANAGEMENT DISTRICT Log Off

Home Account Management Accounting Proposal

Account Home

Account

- Create New Funding Proposal
- Create New Goods Movement Proposal
- View Queue
- Authorize Third Party
- Update Third Party
- Data Export

User Info



Application Documents

Required documents to be collected and attached to the application

1. Ownership documentation showing at least two years of ownership (e.g., Bill of Sale, tax or insurance records, appraisals or surveys, or service records)
2. Usage documentation (for the previous 24 months from the time of application submission) signed and dated with language certifying it is accuracy
3. Current General Liability Insurance, if available
4. Compliance documentation through the California Air Resources Board signed and dated with language certifying it is accurate and complete
 - 1) DOORS fleet list with EIN numbers showing fleet size, 2) summary compliance snapshot with compliance status, and 3) DOORS generated list of previously funded equipment
5. Quote and manufacturer specs sheet for the replacement equipment
6. CARB Engine executive orders (EO) for the new and old engine
7. BAAQMD signed regulatory compliance statement



DOORS Compliance Documents

Required DOORS documents to be collected and attached to the application

- 1) DOORS fleet list with EIN numbers showing fleet size 2) summary compliance snapshot showing compliance status, and 3) DOORS generated list of previously funded equipment

Your fleet, as currently reported, has met the off-road regulation requirements through the January 1, 2015 compliance date because it has earned BACT credits that will be applied towards the required BACT amounts through the January 1, 2015 compliance date. You will need to take action prior to December 31, 2015 in order for your fleet to be in compliance on January 1, 2016.

This determination is based on the make up of your CURRENT fleet in DOORS, which includes age and horsepower of engines, retrofits (if any), vehicles sold credits, if any, exempt vehicles such as Low Use (if any), sublets (if any), and other credits (if any).

Current Fleet Statistics	
Fleet Size	Large
Number of Vehicles:	
In Fleet Average	10
Low Use	0
Exempt Not Low Use	0
Total Vehicles	10
Total Horsepower (in fleet average)	7,000
First Compliance Date	January 1, 2014
Next Required Compliance Date	January 1, 2016

Search Vehicle By EIN:

Show Page 1 (200 rows per page) Show All Rows

There are 5 vehicles for DOORS ID: 17147

The [red box] are missing information fields. Please provide the missing information. Two-engine vehicles will display 2 rows with the same vehicle information but different engine information. To see vehicles with missing engines, please sort by Eng MY. * Show the most recently entered/edited vehicles on top.

Line #	Vehicle Information						Engine Information								
	EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Veh Model	Eng Serial #	Eng Manufacturer	Eng Model	Eng MY	Eng HP	Eng Tier	Eng Family		
Edit Delete Sel/Retire	1	WC9W85	996855222		Cranes	VAC CON	12321	2011	9595959595	CHRYSLER LLC	12122111	2011	88	T3	5263963
Edit Delete Sel/Retire	2	UJ3T67	8645132		Bore/Drill Rigs	AJCHI	asdf	2009	8687451	AGCO	8956	2007	60	T2	8645132
Edit Delete Sel/Retire	3	PG4L53	951753258456		Excavators	SUNWARD	okmnyuhb	2007	789456123	CUMMINS ENGINE CO., INC	94545	2007	60	T2	sdffgdfg
Edit Delete Sel/Retire	4	UJ3T67	8645132		Bore/Drill Rigs	AJCHI	asdf	2009	325556	AGCO	8956	2007	60	T2	8645132
Edit Delete Sel/Retire	5	NC9X65	3454657675252		Bore/Drill Rigs	A&L	454	2000	3453465465AAA	AGCO	565	2001	50	T1U	456545654
Edit Delete Sel/Retire	6	TA9M45	251251023	86654321	Cranes	ABI	hfbm	2009	546464	AGCO	afdh	2009	150	T3	af mm
Edit Delete Sel/Retire	7	NC9X65	3454657675252		Bore/Drill Rigs	A&L	454	2000	3453465465	AGCO	565	1994	50	T0	456545654

Owner Information **Vehicle & Engine** VDECS **Compliance Snapshot**

Engine Repower Low-Use **Vehicle Funding** Non Standard Engine Non Diesel Engine Long-Term Rental

Contact info:

- DOORS Phone Number: 877-593-6677
- DOORS Website: https://ssl.arb.ca.gov/ssldoors/doors_reporting/doors_login.html

Line #	Vehicle Information				Engine Information			VDECS Information		Funding Information								
	EIN	Veh Serial #	Your Veh #	Veh Type	Veh Manufacturer	Eng Manufacturer	Eng MY	Eng HP	VDECS Family Name	VDECS Serial Number	Funding Source	Funding Sponsor	What was funded?		Date Contract Begin	Date Contract End		
Add/Edit	1	SL8V79	23456789		Crawler Tractors	ABG	CASE CORPORATION	1996	1000					Vehicle Replacement	Engine Repower	(VDECS)	(yyyy-mm-dd)	(yyyy-mm-dd)



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 needs 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



Off-Road Grant Process Overview

Dismantler has 60 days from date of delivery to destroy old equipment and have it inspected by the Air District.



- Applicant applies for grant and receives project approval
- MSC/BOD approval needed for projects over \$100K
- Dealer/District pre-inspects old equipment listed on application

- Contract drafted for review/signature by applicant
- Signed contract executed by Air District
- Grantee and Vendor issued approval from the District to order equipment

- Dealer takes delivery of new equipment
- District inspects new equipment and approves it for delivery to Grantee
- Old equipment is delivered to vendor and sent to be dismantled/scrapped within 60 days

- Scrapyard destroys equipment by cutting the frame rail and putting a hole in engine block
- Notifies BAAQMD when equipment is ready for inspection
- BAAQMD inspects and approves destroyed equipment

- The Project Implementation Report (PIR) is signed and submitted for payment with all applicable documentation
- Payment issued in 30 days of receiving complete PIR and payment documentation



Approved Dealerships

- A complete list of Air District-contracted Bay Area equipment dealers can be found at, www.baaqmd.gov/offroad.
- The Air District has contracted with the Bay Area equipment dealers found below to assist applicants to apply for off-road equipment replacement projects but will work with non-contracted dealers, on a case-by-case basis, for projects where the proposed equipment is for advanced technology (e.g., zero-emissions equipment) and/or is not available locally:
 - Bejac Corporation
 - Belkorp AG, LLC
 - East Bay Clarklift, (Cromer Equipment)
 - Eldorado Forklift Company
 - Garton Tractor
 - Green Valley Tractor, Inc.
 - Mission Valley Tractor and Equipment
 - Papé Material Handling
 - Kalmar Ottawa Yard Trucks
 - Papé Machinery
 - Patterson Lift Trucks
 - Pellenc America, Inc.
 - Peterson Tractor
 - Rick Albert Machinery
 - Road Machinery, LLC
 - Sonsray Machinery
 - Tri-West Tractor
 - Toyota Material Handling Northern California
 - Volvo Construction Equipment & Services



Additional Resources

Clean Off-Road Equipment Voucher Incentive Project: <https://ww2.arb.ca.gov/our-work/programs/clean-off-road-equipment-voucher-incentive-project>

Volkswagen Environmental Mitigation Trust: <https://ww2.arb.ca.gov/our-work/programs/volkswagen-environmental-mitigation-trust-california>

California CORE website: <http://californiacore.org/>

California Air Resources Board

- Diesel Hotline: 866-6DIESEL or email: 8666diesel@arb.ca.gov
- The Off-Road Zone: <https://ww3.arb.ca.gov/msprog/offroadzone/offroadzone.htm>





BAAQMD Information

Carl Moyer Program: www.baaqmd.gov/moyer

Off-Road Program: www.baaqmd.gov/offroad

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

Goods Movement Program: <http://www.baaqmd.gov/goods>

Staff	Program	Email Address	Phone Number
Adam Shapiro	CMP Off-Road & Agriculture	ashapiro@baaqmd.gov	(415) 749-8441
Daniel Anderson	CMP PERP & Stationary Agriculture	danderson@baaqmd.gov	(415) 749-8717
Kenneth Mak	CMP On-Road & School Busses	kmak@baaqmd.gov	(415) 749-8660
Yu Zhang Liu	CMP Marine, Locomotives, & GMP	yliu@baaqmd.gov	(415) 749-8430



Questions?