

Santa Barbara County
Air Pollution Control District
260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

CASH for Cleaner Engines



GET AHEAD of new diesel engine rules!

Clean air funds can help pay to replace your old off-road equipment or to retrofit or repower your diesel engines in

- ▶ **Construction** or **Agricultural** off-road mobile equipment
- ▶ **Farm** water pumps
- ▶ **Fishing** boats and other harbor craft
- ▶ and **more!**



www.OurAir.org/funding

Why?

1 Clean the Air

Diesel exhaust is a serious health risk. It is considered the number one airborne carcinogen in California, responsible for 70% of the cancer risk in the state from air toxics.

2 Prepare for New Rules

State rules covering diesel engines will be taking effect in the next few years. These rules require owners and operators to upgrade engines, install particulate filters, and more.

Incentive funds can be used for repowers and retrofits generally if they are done three or more years before the owner is required by law to do them. (In some cases, such as for agricultural engines, the requirement is only one year or more.)

3 Save on Fuel Costs

New engines are typically much more fuel efficient than older engines.

How?

The **Santa Barbara County Air Pollution Control District** is now accepting applications. See inside to check if your engines or equipment qualify or visit www.OurAir.org/funding.



How Much?

This program provides funds under the California Air Resources Board **Carl Moyer Program** guidelines. Moyer Funds do not pay all costs but are designed to cover the incremental cost of clean-air projects. You will be expected to pay for a portion of the equipment cost plus installation.

Certain factors determine the amount of a grant, including the model year of your current engine, fuel use, hours of use, and mileage, if applicable.

Best Bets for Funding

- ▶ Engine **repowers** (replace an older diesel engine with a newer low emission engine) or **retrofits** (install a diesel particulate control device on an existing engine) on mobile equipment and on stationary agricultural irrigation pumps.
- ▶ Replacement of old off-road equipment powered by uncontrolled diesel engines.
- ▶ Older model year engines.
- ▶ High-usage engines with at least two years of recent fuel, mileage, or engine hour records.

See inside ➔



Off-Road Mobile Equipment

Construction, mining, mobile rentals (not agricultural)

What we can fund:

- ▶ Replacement of off-road equipment powered by cleaner engines subject to limits of CA off-road regulation.
- ▶ Small fleets (less than or equal to 2500 total HP) repowers to cleaner engine; funding limited starting January 2017.
- ▶ Medium fleets (2,501 to 5,000 HP) repowers to cleaner engine; funding limited starting January 2014.
- ▶ Large fleets (greater than 5,000 HP) limited funding available.

What we can't fund:

- ▶ Repowers to Tier 1, 2 or 3 engines (exceptions apply, contact us to learn more).

Example: A construction company with a small fleet wants to repower a scraper, replacing a 300 HP uncontrolled diesel engine (1987) operating 1500 hrs/year with a 300 HP Tier 4 certified 2012 engine (cost \$80,000 plus \$10,000 installation) and a CARB verified Level 3 diesel particulate filter (cost \$25,000 plus \$8000 installation). The company's small fleet is covered by the CA off-road regulation as of January 1, 2017 (more than 3 years away). The company also wants funding to scrap an old backhoe and buy a new 2012 vehicle. In this example, the repower and filter project meets the cost effectiveness guidelines. Moyer funds may pay up to 85% of the engine (\$68,000) and 100% of the retrofit (\$25,000). The company pays the balance (\$12,000) plus installation (\$18,000). Funding may be available to cover up to 80% of the cost of the new backhoe under our Off-Road Equipment Replacement Program.



Farm Equipment

Stationary diesel engines (for example, irrigation pump engines, including dedicated portables)

What we can fund:

- ▶ Off-road agricultural equipment replacement.
- ▶ Repower any existing tier engine 25 to 50 HP.
- ▶ 750 HP or greater uncontrolled (Tier 0) engines can be repowered to Tier 4 certified engine or to electric motor through 2013.
- ▶ Existing Tier 1 and Tier 2 engines can be repowered to Tier 4 certified engines or to electric motors as follows:

- ▶ 51 to 174 HP engines through 2014
- ▶ 175 HP or greater engines through 2013

or

- ▶ 12 years after initial installation

whichever is later.

What we can't fund:

- ▶ Pump replacement
- ▶ Pumps powered by uncontrolled (Tier 0) engines less than 750 HP



Fishing Boats and other Harbor Craft

Commercial fishing, pilot and work vessels

What we can fund:

- ▶ Repower to Tier 2 or cleaner certified engine or installation of diesel particulate control device.

What we can't fund:

- ▶ Repower/retrofit projects on excursion vessel, ferry, tug, crew and supply, or tow boat with compliance deadline of less than three years under CA commercial harbor craft regulation.

Example: A commercial fishing vessel owner wants to repower a 1995 350 HP engine, wet exhaust system, with a new low emission Tier 2 certified 400 HP marine engine. Fuel records show an average of 600 main engine operating hours per year in the last 2 years while fishing in California coastal waters. New engine cost \$60,000, installation \$9,000. Commercial fishing vessels are not currently required to meet in-use vessel control compliance deadlines in the CA harbor craft regulation.

Under the Moyer program, up to 80% of the cost could be covered. For this example, low usage and engine configuration require the grant award to be reduced to meet cost effectiveness guidelines. Therefore, the grant is limited to \$30,000. The vessel owner pays the balance plus installation, a total of \$39,000.



Other Engines

Limited funding available, depending on model year, type of engine, etc. for the following (check with us for more information):

- ▶ Solid waste collection vehicles, excluding transfer trucks
- ▶ Urban buses, transit fleet vehicles
- ▶ School buses
- ▶ Excursion vessel, ferry, tug, crew and supply, or tow boat
- ▶ Engine on equipment pulled by farm vehicle
- ▶ Off-road large equipment (e.g. airport ground support, forklift, etc.)

On-Road Mobile Equipment

What we can fund:

- ▶ Very limited funding for repowers and retrofits for most on-road categories. Contact us for details.
- ▶ Other financial assistance is available through the State by phone **(866) 6diesel** or email **8666diesel@arb.ca.gov**; see the **Truck Stop** at **www.arb.ca.gov**.

Funding extremely limited for:

- ▶ Vehicle replacement or repowers installing model year 2007 or newer engine in 2006 or older chassis.

Contact ➡ Al Ronyecz • axr@sbcapcd.org • (805) 961-8877 • or visit ➡ **www.OurAir.org/funding**