



South Coast Air Quality Management District

Financial Incentives for Purchasing
Lower-Emission Heavy-Duty Engines

Carl Moyer Program

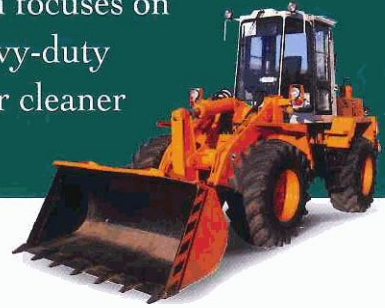


Application Deadline
Tuesday, June 7, 2011 - 1:00 P.M.



Carl Moyer Program Overview

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) is named after Dr. Carl Moyer in recognition of his work in improving air quality. The Carl Moyer Program does not pay for compliance with a regulation - - instead, it provides competitive grants for the incremental cost of cleaner-than-required engines, vehicles, and equipment. The program focuses on cleaning the air by replacing older heavy-duty diesels with electric, alternative-fuel, or cleaner diesel technologies.



What Types of Projects Qualify for the Carl Moyer Program?

Projects that provide early or extra emission reductions can qualify for Carl Moyer Program grants. Eligible projects have included cleaner on-road, off-road (including construction and farm-based), marine, and locomotive engines, and retrofit technologies. Private companies, public agencies, and the general public that operate heavy-duty diesel engines may apply for incentive funds.

How Is the Size of a Moyer Program Grant Determined?

Applications are not handled first-come first-served, but instead are evaluated in terms of pollutant health impacts, affected population, effective emission

reductions, viability, and cost effectiveness, according to current published program guidelines. For example, instead of rebuilding a 1987, 300 hp uncontrolled engine on a scraper that operates for 1,500 hours per year, a company may choose to replace with a 2010 Tier 3 engine with similar horsepower. If the new engine cost is \$80,000, a grant for up to \$68,000 (85%) may be available through the Carl Moyer Program if it meets the cost-effectiveness threshold of \$16,400 per ton and if the project is surplus to CARB's

In-Use Off-Road Regulation.





How Will Proposals Be Evaluated?

All proposals will be evaluated based on their at-effectiveness and their Disproportionate Impact Score; fifty percent of funding will be directed toward disproportionately impacted areas that are evaluated on poverty level, PM exposure and/or air toxics exposure. For further information,



please see Program Announcement PA #2011-09.

When Are Proposals Due?

All project proposals must be received no later than 1:00 p.m. on Tuesday, June 7, 2011. Faxes or other electronic submittals will not be accepted

For More Information

If you would like more information or to schedule a briefing for your industry group, call AQMD's Technology Advancement



Funding

FY 2010-11 Proposed Funding and Cost-Effectiveness Limits

Category	Total Minimum Amount* (\$ millions)	Cost-Effectiveness \$/ton
ON-ROAD		
(A) Vehicles <i>(including emergency vehicles)</i>	7.0	16,400
(B) Transp. Refrigeration Units	1.0	16,400
(C) Heavy-Duty Diesel Vehicle Retrofits	3.0	16,400
OFF-ROAD		
(A) Marine	6.0	16,400
(B) Construction <i>(Small and medium fleets only)**</i>	2.0	16,400
(C) Locomotives	6.0	16,400
TOTAL	\$25.0 Million	

*In case of oversubscription in these categories, greater funding may be recommended.

** Small fleet size is <= 2,500 hp, medium fleet size is 2,501 to 5,000 hp.

Office at (909) 396-2231 or you may contact the staff by area of expertise listed below:

Heavy-Duty On-Road Vehicles/Transport Refrigeration Units

Ashkaan Nikravan (909) 396-3260
anikravan@aqmd.gov

Compression Ignition Off-Road Equipment

Vasken Yardemian (909) 396-3296
vyardemian@aqmd.gov

Locomotives

Connie Day (909) 596-3065
cday@aqmd.gov

Marine Vessels

Mark Coleman (909) 396-3074
mcoleman@aqmd.gov

Additional Workshop Information

Information for other workshops will be available at www.aqmd.gov/tao/implementation/carl_moyer_program-2001.html



Schedule of CMP

General Program Workshops:

(Attendance of a program workshop is recommended, but not mandatory)

General Workshops

- **Thursday, May 5, 2011 - 10 am.** to Noon
Riverside County Administrative Center,
1st Floor, Board Room
4080 Lemon Street, Riverside, CA 92501
- **Tuesday May 10, 2011 - 10 a.m. to Noon**
SCAQMD Headquarters, Room CC-2
21865 Copley Drive, Diamond Bar, CA 91765
- **Thursday, May 26, 2011 - 10 a.m. to Noon**
SCAQMD Headquarters, Room CC-2
21865 Copley Drive, Diamond Bar, CA 91765

Construction Equipment Workshop

- **Wednesday, May 18, 2011 - 10 a.m. to Noon**
Associated General Contractors
1906 West Garvey Avenue
West Covina, CA 91790

Marine Vessels Workshop

- **Wednesday, May 25, 2011 - 10 a.m. to Noon**
Port of Los Angeles Board Room
425 South Palos Verdes Street
San Pedro, CA 90731

Website Links to CARB Rules That Affect CMP Eligibility

(Please check the appropriate website to determine if your project is subject to CARB's regulation and compliance dates)



On-Road Private @ <http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>

Public/Utility Fleets @ <http://www.arb.ca.gov/msprog/publicfleets/publicfleets.htm>

In-Use Off-Road (CI) @ <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm>

Transport Refrigeration Units @ <http://www.arb.ca.gov/diesel/tru.htm>

Solid Waste Collection Vehicle @ <http://www.arb.ca.gov/msprog/SWCV/SWCV.htm>

Transit Bus @ <http://www.arb.ca.gov/msprog/bus/bus.htm>

Stationary Ag Engines @ <http://www.arb.ca.gov/diesel/ag/inuseag.htm>

Harbor Craft @ <http://www.arb.ca.gov/ports/marinevess/harborcraft.htm>

Cargo Handling Equipment @ <http://www.arb.ca.gov/ports/cargo/cargo.htm>

What Is the Carl Moyer Program?

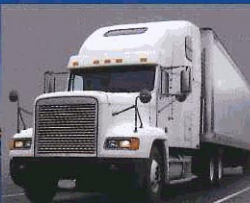
Since 1998, the Carl Moyer Program has provided funding to encourage the owners of diesel engines to go beyond regulatory requirements by retrofitting, re-powering, or replacing their engines with newer and cleaner ones. While regulations continue to be the primary means to reduce air pollution emissions, the Carl Moyer program plays a complementary role to California's regulatory program reducing NOx and PM by funding emission

reductions that are surplus, i.e., early and/or in excess of what is required by regulation.

This is the thirteenth year of the Carl Moyer Program and \$25 million is available for 2010-11. For project awards within the South Coast AQMD's 4-county jurisdiction. If more funds become available by the time of awards approval, more projects will be awarded up to the total amount of funds available.

Who Is Eligible?

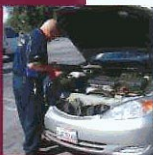
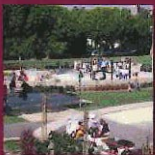
Any Mobile Source project, public or private, that results in cost-effective PM and/or NOx reduction that is not subject to current regulations or within three years of a regulatory compliance deadline is eligible. Projects must operate 75% of the time in the AQMD boundaries. To be eligible for Carl Moyer Program funds, projects must meet the criteria described in the 2011 Carl Moyer Program Guidelines and all current Carl Moyer Program Advisories, projects must be in compliance with CARB Off-Road or On-Road Diesel Regulations (see website links listed inside), meet the cost-effective threshold of \$16,400 per weighted ton of total reduced emissions, and be fully operational and completed prior to May 31, 2013.





23rd Annual Clean Air Awards

to be held
October 2011



Clean Air Heroes... people who see an air pollution problem and do something to help, instead of just turning away. Many of you know such trailblazers. You might be one yourself!

The South Coast Air Quality Management District (AQMD) invites you to nominate worthy candidates to be recognized at its 23rd Annual Clean Air Awards. Individuals, large and small businesses, cities, media organizations, and community groups are among those eligible (you can nominate yourself if you like). The Clean Air Awards honor those who have made a significant contribution to cleaner air through innovation, leadership and personal environmental commitment.

This guide will help you prepare your nomination and includes an entry form. If you have further questions, please call South Coast AQMD at (909) 396-2432. We look forward to receiving your nomination.

Sincerely,

William A. Burke, Ed.D.
Chairman of the Governing Board
South Coast Air Quality Management District

Clean
Air Awards



2011 AWARDS NOMINATION GUIDE

Awards are presented in five categories :

1) ADVANCEMENT OF AIR POLLUTION TECHNOLOGY

An extraordinary contribution to the development and application of new technology designed to reduce emissions. Some examples include development of cleaner fuels, improved engine design or an improved technological process. A separate award will be considered for small businesses, defined as those with fewer than 50 employees and less than \$1 million in gross annual revenues.

Selection Criteria

1. Technology is actually developed and is either being demonstrated or has been used for at least one year
2. Technology that has actually reduced at least one of the six criteria pollutants (ozone, carbon monoxide, nitrogen dioxide, particulate matter, sulfur dioxide, lead) or precursors (i.e. oxides of nitrogen, oxides of sulfur or reactive hydrocarbons), weighted in favor of pollutants that are more pervasive in the District
3. Versatility of technology – can it be, and is it being used in more than one industry?
4. Overall environmental responsibility of technology – does it reduce air pollution at the expense of other media (water, solid waste, etc.)?
5. Pollution prevention aspects of technology
6. Does it meet an existing need?
7. Does it have economic development potential?

2) INNOVATIVE TRANSPORTATION PROJECTS

An outstanding use of a single alternative transportation mode, or of a comprehensive transportation strategy. Projects must have demonstrable air quality benefits. Innovative ridesharing programs are included in this category.

Selection Criteria

1. Project implemented
2. Actual pollutant emissions reductions
3. Does this project provide information to others in a more comprehensive, less expensive or more accessible manner?
4. Can this project be replicated in other areas, by other companies, groups or individuals?
5. Measurable change in behavior of a target group (not only in attitude)
6. Measurable, significant change in attitude of a target group which can reasonably be expected to lead to a change of behavior (i.e., discovery of a new rideshare incentive which tests off the charts, development of a marketing message or strategy which gets non-carpoolers to participate in rideshare programs). This could be an educational effort, but not necessarily.

3) MODEL COMMUNITY ACHIEVEMENT

An exceptional single program or comprehensive strategy that promotes good air quality in a community, intended to recognize collaborative/integrated efforts or programs involving the public, business and government. Enhanced public transportation, establishment of recycling centers, improved energy conservation and environmentally sensitive zoning are all examples of eligible programs within this category.

Selection Criteria

1. Projects must be complete and/or strategy must have been implemented for a minimum of one year.
2. Demonstration of actual pollutant reductions in that community
3. Project or strategy can be duplicated in other locations by other groups.

4) PUBLIC EDUCATION ON AIR QUALITY ISSUES

An outstanding individual or group effort designed to educate the public on air quality issues. Public speaking, work with a special interest group, media outreach, or other effort that helped the public understand what smog is and what they can do to help clean the air that we breathe.

Selection Criteria

1. Number of people reached with clean air message
2. Clean air message delivered to a target group in a unique way or in a way which provides multiple exposures to the message.
3. Duplicability of strategy, project and result
4. A change in public perception, attitude or behavior which supports clean air message
5. Adaptability of educational components
6. Innovation or creativity in message presentation or distribution.

5) PROMOTION OF GOOD ENVIRONMENTAL STEWARDSHIP

Individuals of any age, and also groups and organizations of any size, who have shown leadership and commitment in promoting good stewardship of the environment, for themselves and for others. Extraordinary examples of environmental justice, alternative transportation, innovative home or community design, education, or the promotion of new technologies and processes, or other action with positive air quality results qualify in this category.

A separate award will be considered for youths, under age 18, with an emphasis placed on scope of personal efforts, uniqueness and inspirational value.

Selection Criteria

1. Duration of personal or organizational efforts.



2. Scope of personal or organizational efforts.
3. Uniqueness.
4. Efforts involve a new group in clean air and/or multi-media pollution reduction/prevention efforts.
5. Number of people impacted by effort.
6. Inspirational value of personal efforts.
7. Replicability of efforts.

PREPARING YOUR ENTRY

Attach the entry form to a typewritten submission describing why your nominee deserves a Clean Air Award. The description should be brief but sufficient to explain how the nominee addresses each of the selection criteria in your submittal category. Please provide clear and complete contact information for your nominee. Submit one copy of your entry package.

ELIGIBILITY

Individual, public and private entities, educational institutions, media organizations, and service organizations who have demonstrated an acute awareness of the air quality problem in the South Coast Air Basin, and have taken some exemplary action to improve air quality. Nominations may be made by an individual or organization.

JUDGING

Nominees will be judged by a panel representing relevant disciplines in each of the categories. Completed nomination forms and accompanying support documents are the only materials that will be used to judge each entry.

DEADLINE

All nominations must be postmarked by Friday, July 1, 2011.

MORE INFORMATION

If you have questions or need additional information, call South Coast AQMD's Legislative & Public Affairs Office at (909) 396-2432, or visit our web site at www.aqmd.gov.

South Coast AQMD's 23rd Annual Clean Air Award, ceremony will be held in October 2011.

Entry Form

Entry Deadline: Postmarked by July 1, 2011

Specific Category _____
(Only one category per entry. Complete a separate entry for each category.)

Person(s) or Organization(s) Being Nominated _____

Company/Organization _____

Address _____

Telephone _____ Fax _____

E-mail _____

Person(s) or Organization(s) Submitting Nomination
Name and Affiliation _____

Address _____

Telephone _____ Fax _____

E-mail _____

Attach entry form and typewritten submission description, **including how the nominee** meets the applicable category's selection criteria, and **please mail to:**
Clean Air Awards
Legislative & Public Affairs
South Coast AQMD
21865 Copley Drive
Diamond Bar, CA 91765-4182



2011 Clean Air Awards Nomination Form

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178

Address Service Requested



South Coast
Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178
1-800-CUT-SMOG®
www.aqmd.gov

Cleaning the air that we breathe...™