

AQMD's Carl Moyer Program

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Carl Moyer Program

- Funding is generated from SB1107 & AB923
- Requires at least 30% NO_x reduction for new equipment and at least 15% NO_x reduction for repowers
- All projects must be within the maximum cost-effectiveness limit of \$14,300/ton for NO_x, PM, and VOCs
- PM is multiplied by a factor of 20 in the cost-effectiveness calculations

AQMD's Share of Funds

- AQMD's incentive program funding is mainly generated from SB1107 & AB923

	<u>Annual</u>
SB1107	\$23.8M
AB923 (\$2 DMV Fee)	\$22M
AB923 (Tire Fee)	<u>\$10M</u>
Total	\$55.8M

Project Types under Carl Moyer Program

- H.D. on- and off-road categories
- Fleet modernization
- Agricultural sources
- Light-duty vehicle repair and scrapping
- School bus

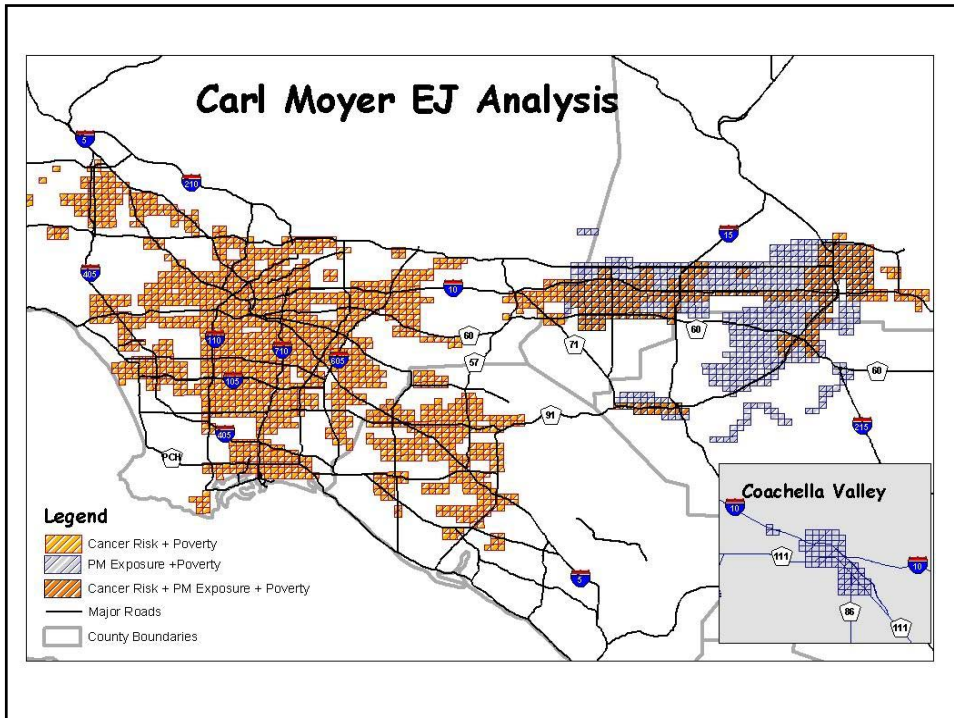
Equipment

- Marine Vessel Engines
- Locomotives (LNG and Hybrid)
- Construction Equipment
- Heavy-Duty Trucks (new & retrofits)
- Forklifts
- Auxiliary Engines
- Truck Stop Electrification
- Transit Buses
- School Buses



Project Selection Criteria

- Based on Board's adopted guidelines on July 8, 2005:
 - Cost-Effectiveness
 - Environmental Justice
 - Goods Movement
 - Low Emission Engine/Vehicle Preference
 - Early Commercialization of Advanced Tech.
 - Fleet Rules
 - School Buses



FY 2005-06 Carl Moyer Program Awards, "Year 8"

- \$33.3M was approved by the Board in project awards in October, 2006 for:
 - On-road diesel retrofits: \$2.4M
 - On-road alt. fuel vehicles: \$8.2M
 - Construction equipment: \$18.4M
 - Locomotives: \$3.7M
 - Forklifts: \$0.2M
 - Ag. Pumps: \$0.4M

- Number of vehicles or engines awarded:
 - On-road: 475
 - Off-road: 246

- Emission reductions:
 - NOx: 1,049 tons/yr
 - PM: 36 tons/yr

School Bus Program

- In October, 2006, the Board awarded:
 - \$19.4M in AB923 funds to replace 133 pre-1987 school buses with new CNG school buses

Schools pay \$10K for pre-77, and \$25K for pre-87 school bus replacements
- 5.5M in State funds to retrofit 452 school buses with PM traps at no cost to schools and operators

Current Funding Opportunities

- Carl Moyer Program funding for heavy-duty on- and off-road vehicles and engines
- Fleet Modernization Program
- LNG Truck Fleet Modernization at the ports of Los Angeles and Long Beach

Carl Moyer Program for Heavy-Duty On- & Off Road Vehicles

- The “Year 9” Carl Moyer Program Announcement was released on February 2, 2007 for \$25.5M and will close on May 4, 2007, at 1:00 p.m.
- The program announcement can be downloaded from the AQMD’s website
- Nine general and equipment specific workshops have been scheduled in different locations during program solicitation

Fleet Modernization Program

- Program Announcement for the Fleet Modernization Program is available with a \$6M funding
- Replaces H.D. pre-1990 diesel trucks with 2006 and newer diesel and post-2004 natural gas trucks
- Funds up to 80% of truck cost at \$150,000 maximum
- GPS-EMU systems installed
- 3-Year project life
- First-come first-served; on-going



LNG Truck Fleet Modernization at the Ports

- RFP with funding from the AQMD and the ports of L.A. & Long Beach for fleet modernization with new LNG trucks is available for \$22M until March 16, 2007
- Replaces H.D. pre-1990 diesel trucks
- Funds up to maximum of \$144,000 per truck
- GPS-EMU systems installed
- 5 years project life
- RFP can be downloaded from AQMD's and the ports' websites