

Southern California Clean Vehicle Technology Expo

AQMD's Incentive Programs



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AQMD's Incentive Programs

- Carl Moyer Program
- Lower-Emission School Bus Program
- Proposition 1B – Goods Movement Program
- AQIP

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

Carl Moyer Program under SB1107 & AB923

- CARB released the new program guidelines in April 2008
- Cost effectiveness calculated for NOx, PM, & HC combined is raised to \$16,000/ton limit
- PM is multiplied by a factor of 20 in the cost-effectiveness calculations

Equipment

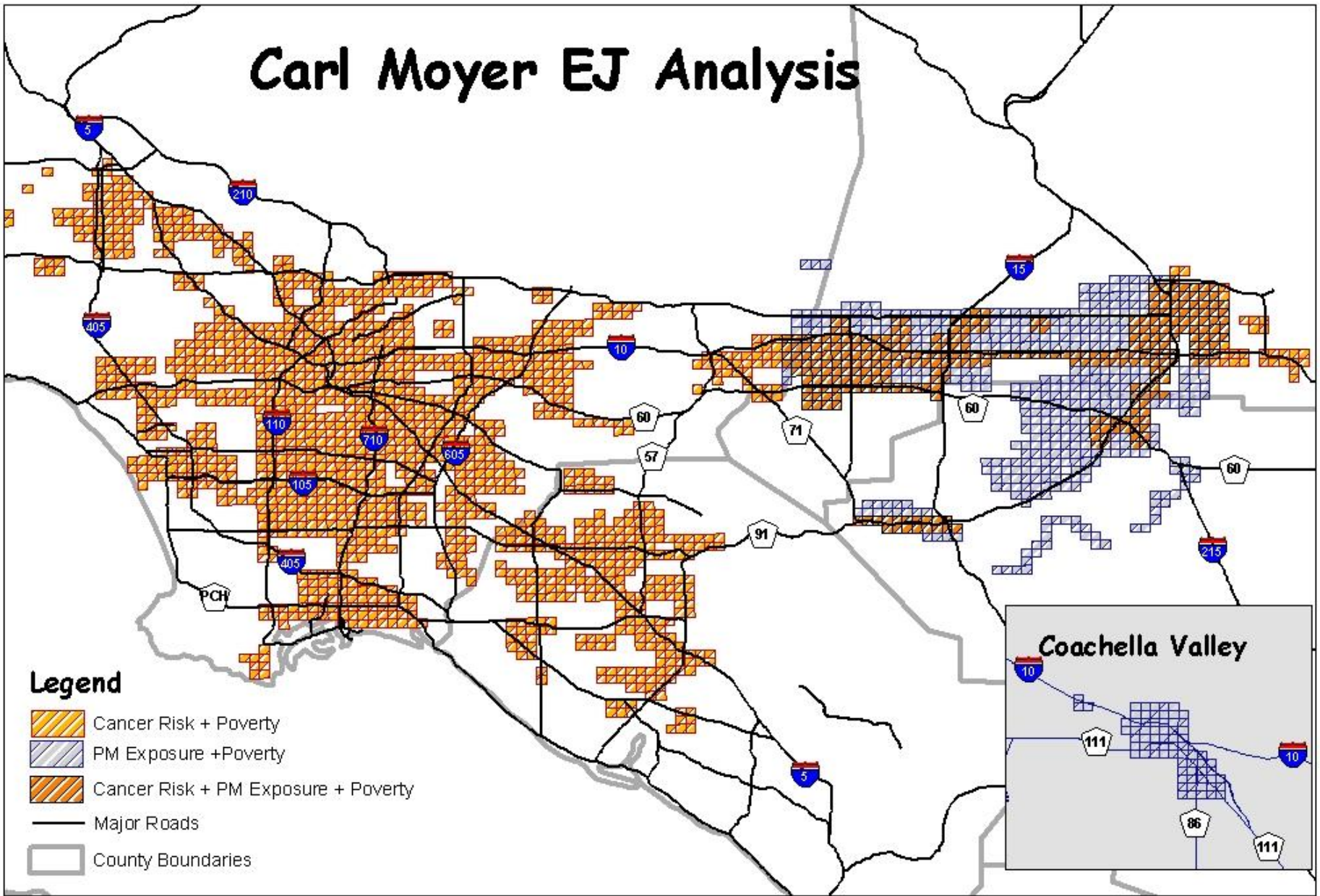
- Marine Vessel Engines
- Locomotives (LNG and Hybrid)
- Construction Equipment
- Heavy-Duty Trucks (new & retrofits)
- Forklifts
- Auxiliary Engines
- Truck Stop Electrification
- Transit Buses
- School Buses





Evaluation Criteria

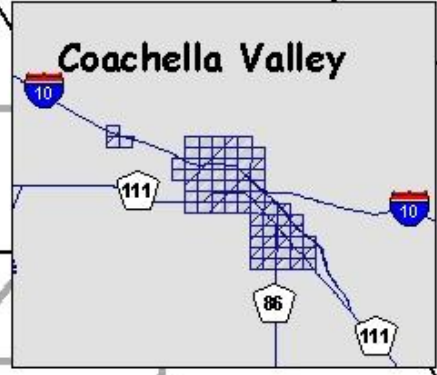
- Based on Board's adopted guidelines on July 8, 2005:
 - Goods Movement
 - Environmental Justice
 - Cost-Effectiveness
 - Low Emission Engine/Vehicle Preference
 - Early Commercialization of Advanced Tech.
 - Fleet Rules
 - School Buses

Carl Moyer EJ Analysis



Legend

-  Cancer Risk + Poverty
-  PM Exposure + Poverty
-  Cancer Risk + PM Exposure + Poverty
-  Major Roads
-  County Boundaries



Program Status

- Approximately \$120 M spent to date
- Over 3,600 engines and equipment have been funded
- Overall program cost-effectiveness is about \$5,000 per ton

Year 10

Program Update

- Program Announcement for Carl Moyer Program issued on February 1, 2008
- Program Announcement for SOON Provision issued for construction equipment on November 2, 2007
- All Moyer funds were awarded in July and October of 2008
- \$16M under the SOON Provision has been awarded with \$14M still available
- The current SOON PA will close on November 7, 2008

Annual Schedule of The Carl Moyer Program

- Program Announcement issued annually on first Friday of February
- Application submittals are due by first Friday of May
- Awards are approved by the Board in the period of July through October of each year

Fleet Modernization

- Funding is available for Fleet Modernization projects on a first come first served basis
- Replaces pre-1990 H.D. diesel trucks with 2007 or newer model year trucks
- Pays for up to 80% of the total cost
- The old trucks must be crushed
- Approx. \$7M awarded to date
- After ARB's adoption of the private on-road fleet regulation, fleets of up to 3 trucks will still be eligible for funding

Lower-Emission School Bus Program Status

- AQMD has awarded \$106 million date for replacement and retrofit of school buses
- Funds have been used to:
 - Replace 621 pre-1987 school buses with 535 CNG and 86 lower-emitting diesel buses
 - Retrofit 2,777 model year 1994 and newer school buses with particulate traps

Lower-Emission School Bus Program

- CARB adopted the new School Bus Program guidelines in March, 2008
- \$70 million has been allocated to AQMD for the Lower-Emission School Bus Program under Proposition 1B
- Funds to be used for replacement of pre-1987 school buses and retrofit of 1994 and newer diesel buses

Lower-Emission School Bus Program

- Only public school districts qualify for school bus replacements
 - Schools pay \$25K as their local match and AQMD pays the balance for a new CNG bus
 - AQMD also pays funds equal to ten percent of its bus replacement contribution for infrastructure
- Both public school districts and private operators qualify for school bus retrofits
 - AQMD pays for the unit cost, installation, and maintenance cost of the retrofits

Funding Opportunity

- AQMD's program announcement closed on August 29, 2008 for:
 - 47.4 million for replacement of pre-1987 school buses with new CNG buses and infrastructure
 - \$20 million for retrofit of 1994 model year and newer school buses with particulate traps
- New Program Announcement to be issued in the near future

Proposition 1B - Goods Movement Program

- Proposition 1B was approved by California voters in November, 2006
- Includes \$1 billion for Goods Movement Program
- ARB adopted program guidelines in February 2008
- Funding is available over a period of four years

Air Quality Investment Program Background

- Rule 2202 Employer Compliance Options:
 - Clean Air Projects
 - Ride Share Programs
 - AQIP
- Revenue Used to Purchase Emission Reductions to meet VOC, NOx, & CO Targets
- Rule 2202 amended February 2004
 - RFP is released at a minimum semi annually

Types of Projects Funded

- Old Vehicle Scrapping
- Off-road Diesel Repowering
- CNG Street Sweepers
- CNG Taxis, Shuttles
- Mobility Enhancing Services

Funding Information

- RFP to open: December 5, 2008
- Proposals due: February 3, 2009
- Funding: Approx. \$1.5M
- Awards to be recommended at the May 2009 Board meeting