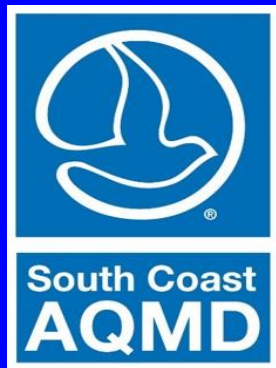


SCAQMD's Incentive Programs



Fred Minassian
Assistant Deputy Executive Officer
Science & Technology Advancement

Legislative Changes for the Carl Moyer Program

- SB 513 was approved by the Governor in October 2015
- Major changes include:
 - Leveraging funds
 - Project categories
 - cost-effectiveness limit
 - Implementation efficiency
- CARB Board to approve new program guidelines in March 2017

“Year 18” Carl Moyer Program & SOON Provision

- Solicitations: - Opened on March 4, 2016
- Closed on June 1, 2016
- About \$31M is available in state and local match funds
- Board to consider approval of awards at its October 7, 2016 meeting
- Voucher Incentive Program is open on a first-come-first-served basis

Eligible Equipment in the Carl Moyer Program

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



Proposition 1B-Goods Movement Program

- Approximately \$137 million is available under “Year 5” for the final year of the program
- Truck replacements, TRUs, locomotives, and cargo handling equipment are possible project categories
- Funding for trucks:

	Nat. Gas	Hybrid	0.02 NOx	Hybrid Zero Miles	Zero Emission
Class 8	\$65,000	\$80,000	\$100,000	\$150,000	\$200,000
Class 7	\$65,000	\$80,000	\$100,000	\$150,000	\$200,000
Class 6	\$40,000	\$45,000	\$50,000	\$65,000	\$100,000

Proposition 1B Program Awards

- Awards to date:

Category	No. of Units	Funding
Locomotives	11	\$20,291,600
Cargo Handling	99	\$12,484,968
Trucks	1,269	\$51,629,000

- Projects pending evaluations: 963 trucks
\$97.6 million



Future of the Incentive Funding Programs

- The 2016 draft AQMP requires large amounts of emissions reductions from mobile sources under state and federal mandate
- About \$1 billion/yr in incentive funding is needed to reach attainment by 2031
- New funding sources and increased funding from existing sources at state and federal levels are needed

Summary of Incentive Programs to Date

- Major incentive funding programs since 1999-2000:
 - Carl Moyer Program: \$410M
 - Proposition 1B Program: \$395M
 - School Bus Program: \$280M
- \$1.1 Billion
- In addition, about \$300 million of other programs have been implemented

Emissions Reductions

- Carl Moyer Program:
 - NOx: 6,937 tons/yr
 - PM: 181 tons/yr
- Proposition 1B Program:
 - NOx: 10,949 tons/yr
 - PM: 363 tons/yr
- School Bus Program:
 - NOx: 219 tons/yr
 - PM: 25 tons/yr

New Sources or Increased Funding of Existing Sources

- **State:**
 - Increased DMV fee
 - Increased smog abatement fee
 - Increased Cap & Trade
 - Extension of Proposition 1B
- **Federal:**
 - Increased DERA
 - Super Fund concept
 - Container fee