

# AQMD's Carl Moyer Program

Fred Minassian  
Technology Implementation Manager

# Carl Moyer Program

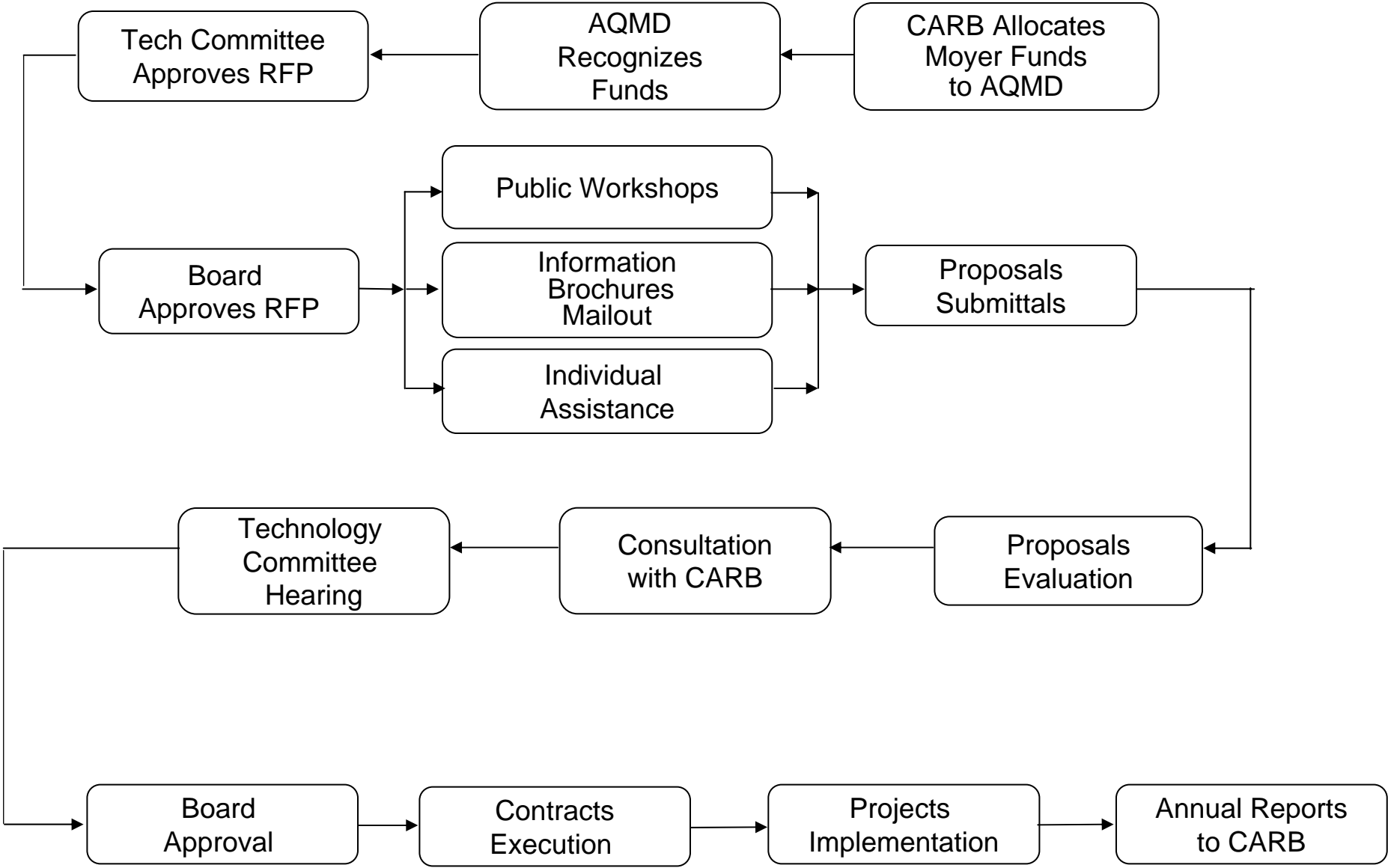
- CARB guidelines allow 1 yr. for project selection and contract execution, and 1 yr. for project implementation
- Funding is generated from SB1107 & AB923
- Requires at least 30% NO<sub>x</sub> reduction for new equipment and at least 15% NO<sub>x</sub> reduction for repowers
- All projects must be within the maximum cost-effectiveness limit of \$14,300/ton for NO<sub>x</sub>, PM, and VOCs

# 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

# South Coast AQMD's Carl Moyer Program Flow Chart



# 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

# 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

# Program Information Contacts

- Construction: Vasken Yardemian (909)396-3296
- Locomotives: Connie Day (909)396-3055
- Marine, Forklifts & Agricultural Equip.: Mark Coleman (909)396-3074
- Retrofits: Vicki White (909)396-3436
- On-road Vehicles: Suresh Chaurushiya (909)396-2580
- Fleet Mod.: Frank Motavassel (909)396-2152
- School Buses: Ranji George (909)396-3255

# 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





# Annual Program Schedule

- AQMD's schedule:
  - RFP is issued in February
  - RFP closes in May after several workshops and extensive program outreach
  - Awards are approved by the Board around September
  - Contracts are issued by December
  - Contractors have 18 months for project implementation

# Fleet Modernization Program

- Replaces H.D. pre-1990 diesel trucks with 2006 and newer diesel and post-2004 natural gas trucks
- Funds maximum 80% of truck cost at \$150,000 maximum
- Install GPS-EMU systems
- 3-Year project life
- July 14, 2006 released program announcement for \$6M
- First-come first-served; on-going
- All trucks in operation by June 2008



# Additional Opportunity for Construction Equipment

- November 3, 2006 Release Program Announcement
- First-Come First-Served
- May 31<sup>st</sup>, 2007 All Equipment Installed
- Approximately \$12 Million:
  - \$4M from AQMD's Clean Fuels Fund
  - \$8M from Carl Moyer returned funds



# Proposed Awards for January Board Meeting

- Construction Equipment

- 50 Equipment

- \$9.4 Million

- Approximately 300 tpy NOx, 9 tpy PM Reduction



- Fleet Modernization

- 12 Heavy-Duty Trucks

- \$906,196

- Approximately 8 tpy NOx, 0.7 tpy PM Reduction

