

SCAQMD Technology Incentive Programs

Southern California AFV EXPO
December 2002



SCAQMD Incentive Programs

- Lower-Emission School Bus Program
- State Emissions Mitigation
- Air Quality Investment Program (AQIP)
- Mobile Source Air Pollution Reduction Review Committee (MSRC)
- Carl Moyer Program

Lower-Emission School Bus Program



- For new replacement buses schools pay max. \$25,000
- For retrofit AQMD pays 100% including installation
- Only public school districts qualify for replacement
- All funds awarded in compliance with AB1390 (Firebaugh)
- Current available funding: \$8.4 M for Replacement
 \$3.0 M for Retrofit
- Award Recommendation date: Dec 6, 2002



Summary of School Bus Program Awards

Fiscal Year	New CNG Buses	New Diesel Buses	PM Traps	Total Award (MM\$)
00 - 01	102	67		\$17.9
01 - 02	39	20		\$6.8
00 - 02			1058	\$7.4
Total	141	87	1058	\$32.1

State Emissions Mitigation



- **Total CARB Allocation:** **\$28.6 Million**
- **Board approved projects:** **\$26.7 Million**
 - Construction Equipment: \$10.9 Million
 - Marine Vessels: \$ 7.7 Million
 - On-Road: \$ 2.5 Million
 - Other (Forklifts, Infrastructure, etc.) \$ 1.4 Million
 - L.A. City & County Fleets PM Retrofit Traps \$ 4.2 Million
- **Funds to be Awarded**
 - Projects at the Port of L.A. \$ 1.0 Million
 - Ground Service Equipment \$ 0.5 Million



State Emissions Mitigation

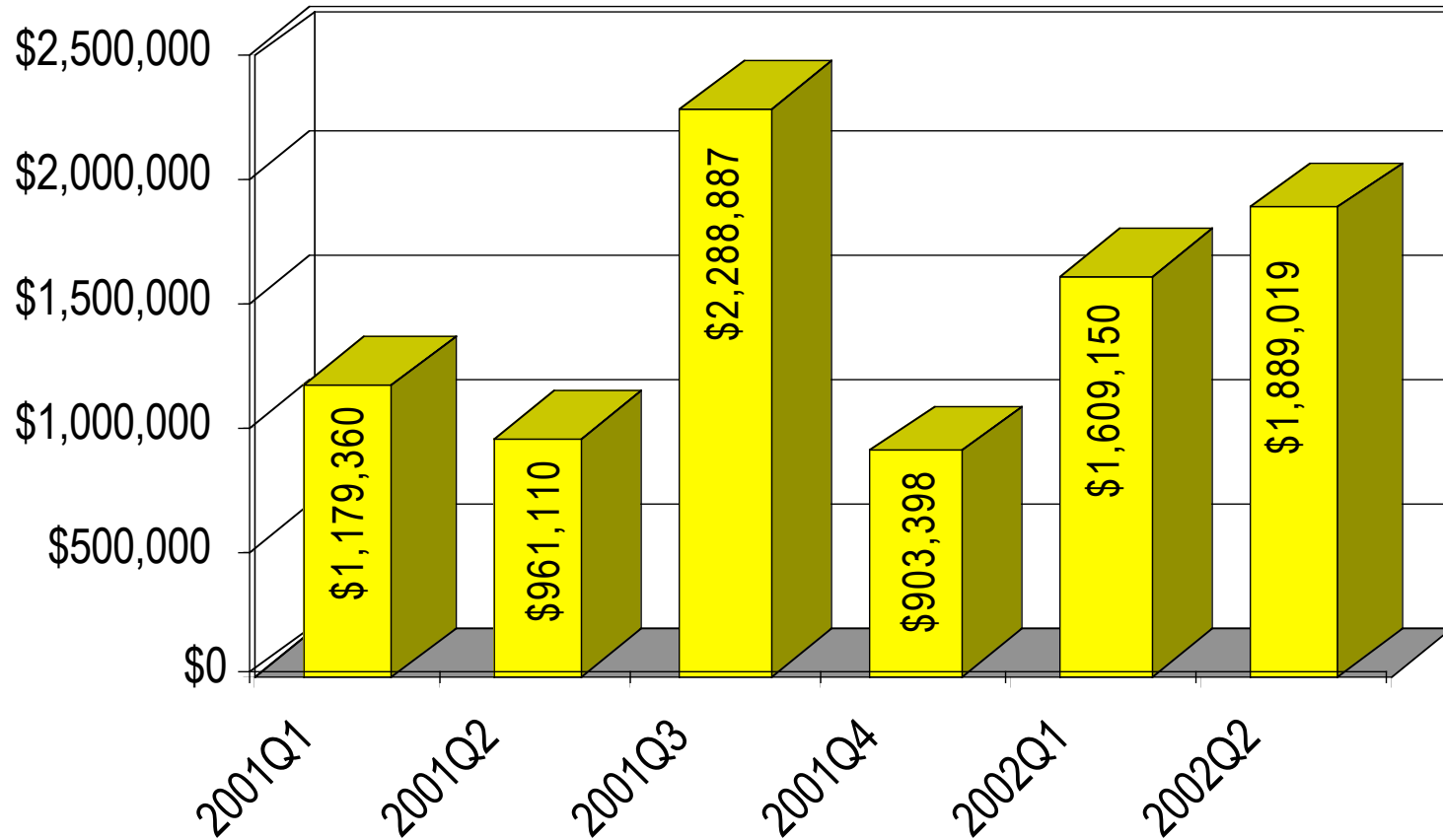
- Estimated annual NO_x reduction: 910 Tons
- Estimated annual PM reduction: 60 Tons
- 4-Year NO_x cost effectiveness: \$6,700/Ton

Air Quality Investment Program (AQIP)

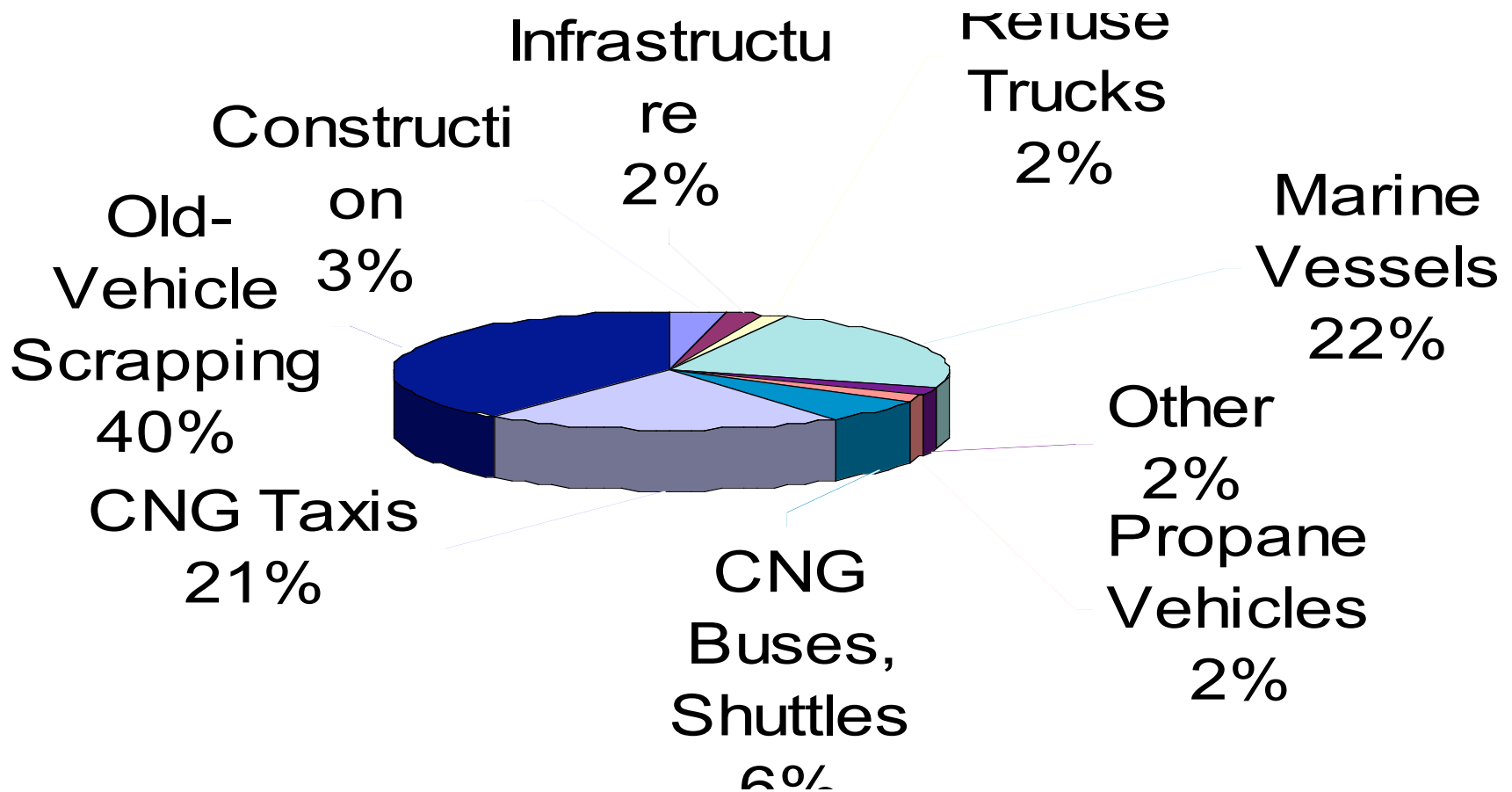


- Rule 2202 employer ride-share compliance option
- Funds allocated to Program quarterly in varying amounts
- Revenue used to purchase emission reductions

AQIP Funds Collected



AQIP Fund Distribution





Mobile Source Air Pollution Reduction Review Committee (MSRC)

- Funded through Assembly Bill 2766 through vehicle registration fees
- Funds mobile source projects that achieve emission reductions beyond current mandatory standards
- Funding is awarded through an annual competitive solicitation process

MSRC Work Program Funding (FY 2002-03)



Category	Funding Allocation
Heavy-Duty On/Off Road Vehicles	\$3,000,000
Alternative Fuel Transit Buses	\$2,000,000
CNG School Bus Incentives	\$2,000,000
Expanded Freeway Service Patrols	\$1,500,000
Public Access Refueling Infrastructure	\$1,250,000
Local Government Match Program	\$2,450,000
Coachella Valley PM10 Reduction Program	\$1,000,000
Regional Vanpool Program	\$450,000
“Rideshare Thursday” Community Outreach	\$800,000
Light-Duty Vehicle Repair Program	\$500,000
Total	\$14,950,000



Carl Moyer Program

- Assists in the purchase of low-emission heavy-duty engine technologies
- Requires 30% NO_x reduction for new vehicles and 15% NO_x reduction for repowers/retrofits
- On-road applications - diesel to alternative fuel conversion only
- Off-road applications - diesel to alternative-fuel conversion or to diesel conversion allowed



Program Implementation Summary

Number of Vehicles by Category

	On-Road		Off-Road	
	Trucks	Buses	Marine	Other
FY 1998 -99	104	120	8	128
FY 1999 -00	58	143	26	67
FY 200 -01	588	507		222
FY 2001 -02	201	166	38	29
TOTAL	951	936	72	446

Summary of Funded Projects

June 2002

AQMD Funding Category	Total Project NOx Reductions (tons/year)	Total Project PM Reductions (tons/year)	Number of Vehicles	Total Awards
ON-ROAD				
Class 5/6 Trucks ¹				
Class 7/8 Trucks	67.24	1.95	134	\$2,842,635
Other	28.89	1.19	82	\$1,355,871
Transit Buses	95.13	4.35	167	\$1,368,748
On-Road Sub Total	191.26	7.48	383	\$5,567,253
OFF-ROAD				
Marine	41.55	2.66	40	\$1,997,110
Construction	79.74	7.47	19	\$1,692,146
Forklift	2.74	0.00	7	\$47,371
Other	0.63	-0.02	1	\$19,499
Off-Road Sub Total	124.67	10.11	67	\$3,756,125
Grand Total	315.93	17.59	450	\$9,323,379



Current Moyer Program

Proposals Received Sept. 2002

On-Road	\$12,722,552
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Off-Road	\$16,593,008
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TOTAL REQUESTS	\$29,315,560
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Carl Moyer 2002-03

Funds Received by AQMD June 30, 2003

Anticipated Spring/Summer 2003 Release

Closing August/September 2003

Awards January 2004



Information

WWW.AQMD.GOV/RFP

Check site the week after the first Friday
of the month