

**Ventura County Air Pollution Control District Carl Moyer Program Final Report**  
**Phase 4 Match Funds**  
**On-Road Projects**

Project Number	District	Year of Funding 1-98/99 2-99/00 3-00/01 4-01/02 5-02/03 6-03/04	Source of Funding	Applicant	Environmental Justice Score	Project Address (Street Address)	Project Location (City)	Project Location (Zip Code)	Project Location (County)	Equipment Type (Enter: "RF" for refuse hauler, "SNG" for stop-and-go refuse hauler and street sweeper, "SNG/ALX" for "SNG" vehicle with auxiliary engine, "LHT" for line haul truck, "TB" for urban transit bus, "SB" for school bus, or "Others")	GVWR	Project Type	Baseline Cost	Reduced (L/E/V/E) Cost	Number of Vehicles	Grant Request	Baseline Total Annual Fuel Consumption Per vehicle (gal)	Baseline Annual Fuel Consumption for Main Engine (gal) (Default: 2/3 of total fuel)
VCCMP 02 - 13	Ventura	4	Carl Moyer	G. L. Rubbish	N/A	195 W Los Angeles Avenue	Simi Valley	93065	Ventura	RF	51,000	New	\$165,550	\$205,550	1	\$40,000	14,500	na

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Project Number	Baseline Annual Fuel Consumption for Aux. Engine (gal) (Default: 1/3 of total fuel)	Reduced (LEV) Annual Total Fuel Consumption per vehicle <sup>2</sup>	Reduced Annual Fuel Consumption for Main Engine (gal) (Default: 2/3 of total fuel)	Reduced Annual Fuel Consumption for Aux. Engine (gal) (Default: 1/3 of total fuel)	Baseline Annual Miles Traveled per Vehicle	Reduced (LEV/EC) Annual Miles Traveled per Vehicles <sup>2</sup>	Percent in District	Baseline Serial/Vin Number	Baseline Fuel Type (diesel)	Baseline Engine Model/Type	Baseline Model Year	Baseline HP	Baseline NOx for "Stop-and-Go" Applications -- Main Engine - (g/bhp-hr)	Baseline NOx for "Stop-and-Go" Applications Aux. Engine - (g/bhp-hr)	Baseline NOx for Other Vehicles (g/mile)	NOx Fraction for Baseline Main Engine (if not applicable, then type "T")
VCCMP 02 - 13	na	14,500	na	0	N/A	N/A	100%	N/A	diesel	Engine Certified to Diesel Standard	2002	350	4.4			1.00

## Phase 4 Match Funds On-Road Projects

Project Number	CA Diesel Fuel NOx Correction Factor for Baseline Main Engine (if not applicable, then type "1")	Unit Conversion Factor	Adjusted NOx Baseline Main Engine "Stop-and-Go" (g/bhp-hr)	Adjusted NOx Baseline Main Engine (g/mile)	NOx Fraction for Baseline Aux. Engine (if not applicable, then type "1")	CA Diesel Fuel NOx Correction Factor for Baseline Aux. Engine (if not applicable, then type "1")	Adjusted NOx -- Baseline Aux. Engine (g/bhp-hr)	Baseline PM for "Stop-and-Go" Applications -- Main Engine - (g/bhp-hr)	Baseline PM for "Stop-and-Go" Applications Aux. Engine - (g/bhp-hr)	Baseline PM for Other Vehicles (g/mile)	CA Diesel Fuel PM Correction Factor for Baseline Main Engine (if not applicable, then type "1")	CA Diesel Fuel PM Correction Factor for Baseline Aux. Engine (if not applicable, then type "1")	Adjusted PM Baseline Main Engine "Stop-and-Go" (g/bhp-hr)	Adjusted PM Baseline Main Engine (g/mile)	Adjusted PM Baseline Aux. Engine (g/bhp-hr)	Reduced (LEV/E) Serial/Vin Number
VCCMP 02 - 13	0.87	2.6	3.83	0.00		1.00	0.00	0.10			0.90	1.00	0.09	0.00	0.00	1M2K199C03M022046

## Phase 4 Match Funds On-Road Projects

Project Number	Fuel Type (gasoline, diesel, cng, lpg, lng, dual fuel, electric)	Reduced (LEV/E)	Reduced (LEV/E) Engine Model/Type	Reduced (LEV/E) Model Year	Reduced (LEV/E) Horsepower	ARB Executive Order Reference	Reduced (LEV/E) Engine Serial Number	Reduced (LEV/E) NOx + NMHC "Stop-and-Go" and/or Alternative Fuel Engines (g/bhp-hr)	Reduced (LEV/E) NOx + NMHC Diesel Engines Non Stop-and-Go (g/mile)	NOx Fraction for LEV/E (if not applicable, then type "1")	CA Diesel Fuel NOx Correction Factor for Reduced LEV/E (if not applicable, then type "1")	Adjusted NOx Main Engine "Stop-and-Go" (g/bhp-hr)	Adjusted NOx Reduced (LEV/E) Main Engine (g/mile)	"Stop-and-Go" Aux. Engine - Reduced (LEV/E) NOx+NMHC (g/bhp-hr)	NOx Fraction for Reduced Aux. Engine (if not applicable, then type "1")	CA Diesel Fuel NOx Correction Factor for Reduced Aux. Engine (if not applicable, then type "1")
VCCMP 02 - 13	lng		Mack E7G	2002	325	A-027-0090		2.5		1.00	0.80	2.00	na			

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Project Number	Adjusted NOx -- Reduced Aux. Engine (g/bhp-hr)	Reduced (LEV/E) PM for "Stop-and- Go" and/or Alternative Fuel Engines (g/bhp-hr)	Reduced (LEV/E) PM for Diesel Engines Non-Stop and-Go (g/mile)	CA Diesel Fuel PM Correction Factor for Reduced LEV/E (if not applicable, then type "1")	Adjusted PM Reduced (LEV/E) Main Engine "Stop- and-Go" (g/bhp-hr)	Adjusted PM Reduced (LEV/E) Main Engine (g/mile)	Street Sweeper Aux. Engine - Reduced (LEV) PM (g/bhp-hr)	CA Diesel Fuel PM Correction Factor for Reduced Aux. Engine (if not applicable, then type "1")	Adjusted PM Reduced Aux. Engine (g/bhp-hr)	Project Life (years)	Emission Calculation Methodology (fuel, miles)	Cost-Effectiveness Limit (\$/ton)	Incremental Cost per Unit	Incremental Cost for Total Project	Maximum Award Based on Incremental Cost and Grant Request	Maximum Award for Urban Buses Based on Calculated Incremental Cost to Transit Agency
VCCMP 02 - 13	0.06	0.05		1.00	0.050				0.09	10	fuel	\$13,600	\$40,000	\$40,000	\$40,000	

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Project Number	NOx Reduction per Vehicle (ton/year)	"SNCR" Aux. Engine NOx Reductions (tons/year)	Adjusted Final Per Vehicle NOx Reductions (tons/year)	Total Project NOx Reductions (ton/year)	Project Lifetime NOx Tons Reduction	% NOx Reduction (based on Emission Factors)	PM1 Reductions Per Vehicle (tons/year)	PM1 Reductions Per Vehicle Aux. Engine (tons/year)	Adjusted Final Per Vehicle PM1 Reduced Emissions (tons/year)	Total Project PM1 Reductions (tons/year)	Project Lifetime PM1 Tons Reductions	% PM1 Reduction (based on Emission Factors)	Capital Recovery	Cost-Effectiveness (\$/ton)	Maximum Award considering CE Limit AND funding request on Maximum Award	Project Cost-Effectiveness Based on Maximum Award	Comments	Flags
VCCMP-02-13	0.54	0.00	0.54	0.54	5.41	48%	0.012	0.00	0.012	0.012	0.118	44%	0.117	\$8,675	\$40,000	\$8,675		