



Air Resources Board



Matthew Rodriguez
Secretary for
Environmental Protection

Mary D. Nichols, Chairman
9480 Telstar Avenue, Suite 4
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Edmund G. Brown Jr.
Governor

Date January 6, 2012

Mail-Out #MSC 12-01

TO: All Interested Parties

SUBJECT: APPROVED REVISIONS TO THE CARL MOYER 2011 ON-ROAD
VOUCHER INCENTIVE PROGRAM GUIDELINES

This mail-out describes the most recent approved revisions to the 2011 On-Road Voucher Incentive Program (VIP) Guidelines. Detailed descriptions of these changes were released for public comment on November 22, 2011 under [Mail-Out MSC 11-33](#).

All approved revisions are incorporated into the latest 2011 Carl Moyer Program Guidelines and can be found at:

<http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>.

BACKGROUND:

Since 1998, the Carl Moyer Program has filled a critical niche in California's strategy to achieve clean air. The Carl Moyer Program provides grant funding for the incremental cost of cleaner-than-required engines, equipment, and emission reduction technologies. The Carl Moyer Program complements California's regulatory program by funding emission reductions that are surplus, i.e., early and/or in excess of what is required by regulation.

The On-Road VIP is part of the Carl Moyer Program and is a streamlined funding option for heavy-duty diesel vehicle replacements and retrofits.

From time-to-time, minor changes to the Guidelines are needed, which are approved and implemented by the Executive Officer or designee after a public meeting and 45-day review period. The public meeting regarding the revisions outlined below was held on December 6, 2011. The 45-day review period for changes to the On-Road VIP ended on January 5, 2012. This executed mail-out serves as notice that the following revisions are now effective.

REVISIONS:

Revision 1: The following tables are to be used for VIP grant amounts for on-road trucks for calendar year 2012.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

Table O-1		Eligibility: • Fleets of 1-3 Trucks • Retrofits in operation by December 31, 2012						
Engine Model Year	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs		HHD GVWR = 33,001 lbs or more		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage	
	Miles	Gallons		Miles	Gallons		Miles	Gallons
1994-1995	51,000	5,000	\$5,000	Not eligible for retrofit funding				
	62,000	6,100	\$6,000					
	72,000	7,100	\$7,000					
	82,000	8,000	\$8,000					
	92,000	9,000	\$9,000					
1996-1997	35,000	3,500	\$5,000					
	42,000	4,100	\$6,000					
	49,000	4,800	\$7,000					
	55,000	5,400	\$8,000					
	62,000	6,100	\$9,000					
1998-2002	69,000	6,800	\$10,000					
	52,000	5,100	\$5,000					
	62,000	6,100	\$6,000					
	73,000	7,200	\$7,000					
	83,000	8,100	\$8,000					
2003-2006	93,000	9,100	\$9,000					
	35,000	3,500	\$5,000					
	42,000	4,100	\$6,000					
	49,000	4,800	\$7,000					
	55,000	5,400	\$8,000					
	62,000	6,100	\$9,000					
	69,000	6,800	\$10,000					

Table O-2		Eligibility: • Fleets of 4-10 Trucks • Retrofits in operation by December 31, 2012							
		MHD GVWR = 19,501 to 26,000 lbs		MHD GVWR = 26,001 to 33,000 lbs		HHD GVWR = 33,001 lbs or more			
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
1996-1997	35,000	3,500	\$5,000	Not eligible for retrofit funding					
	42,000	4,100	\$6,000						
	49,000	4,800	\$7,000						
	55,000	5,400	\$8,000						
	62,000	6,100	\$9,000						
	69,000	6,800	\$10,000						
1998-2002	52,000	5,100	\$5,000						
	62,000	6,100	\$6,000						
	73,000	7,200	\$7,000						
	83,000	8,100	\$8,000						
	93,000	9,100	\$9,000						
2003-2006	35,000	3,500	\$5,000						
	42,000	4,100	\$6,000						
	49,000	4,800	\$7,000						
	55,000	5,400	\$8,000						
	62,000	6,100	\$9,000						
	69,000	6,800	\$10,000						

Table P-1 Eligibility: <ul style="list-style-type: none"> • Fleets of 1-3 Trucks • New Replacement Vehicles • New Engine Meets 0.20 g/bhp-hr NOx Standard or Cleaner • In operation by December 31, 2012 									
	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<= 1990	16,000	1,700	\$10,000	18,000	1,900	\$10,000	15,000	2,600	\$10,000
	24,000	2,500	\$15,000	27,000	2,800	\$15,000	19,000	3,200	\$15,000
	32,000	3,300	\$20,000	36,000	3,700	\$20,000	25,000	4,200	\$20,000
	40,000	4,200	\$25,000	45,000	4,700	\$25,000	31,000	5,200	\$25,000
	48,000	5,000	\$30,000	54,000	5,600	\$30,000	37,000	6,200	\$30,000
	55,000	5,700	\$35,000	62,000	6,400	\$35,000	43,000	7,300	\$35,000
							49,000	8,300	\$40,000
						55,000	9,300	\$45,000	
1991 - 1993	22,000	2,200	\$10,000	22,000	2,200	\$10,000	15,000	2,500	\$10,000
	33,000	3,300	\$15,000	33,000	3,300	\$15,000	22,000	3,600	\$15,000
	44,000	4,300	\$20,000	43,000	4,200	\$20,000	29,000	4,800	\$20,000
	55,000	5,400	\$25,000	54,000	5,300	\$25,000	36,000	5,900	\$25,000
	66,000	6,500	\$30,000	65,000	6,400	\$30,000	44,000	7,200	\$30,000
	77,000	7,500	\$35,000	75,000	7,300	\$35,000	51,000	8,300	\$35,000
							58,000	9,500	\$40,000
						65,000	10,600	\$45,000	
1994 - 1995	27,000	2,700	\$10,000	28,000	2,800	\$10,000	15,000	2,400	\$10,000
	40,000	3,900	\$15,000	41,000	4,000	\$15,000	23,000	3,700	\$15,000
	54,000	5,300	\$20,000	55,000	5,400	\$20,000	30,000	4,800	\$20,000
	67,000	6,600	\$25,000	68,000	6,700	\$25,000	38,000	6,000	\$25,000
	80,000	7,800	\$30,000	82,000	8,000	\$30,000	45,000	7,100	\$30,000

	93,000	9,100	\$35,000	95,000	9,300	\$35,000	53,000	8,400	\$35,000
							60,000	9,500	\$40,000
							68,000	10,700	\$45,000
1996 - 2002	22,000	2,200	\$10,000	28,000	2,800	\$10,000	15,000	2,400	\$10,000
	33,000	3,300	\$15,000	41,000	4,000	\$15,000	23,000	3,700	\$15,000
	44,000	4,300	\$20,000	55,000	5,400	\$20,000	30,000	4,800	\$20,000
	54,000	5,300	\$25,000	68,000	6,700	\$25,000	38,000	6,000	\$25,000
	65,000	6,400	\$30,000	82,000	8,000	\$30,000	45,000	7,100	\$30,000
	76,000	7,400	\$35,000	95,000	9,300	\$35,000	53,000	8,400	\$35,000
							60,000	9,500	\$40,000
						68,000	10,700	\$45,000	

Table P-2 Eligibility: <ul style="list-style-type: none"> • Fleets of 1-3 Trucks • New Replacement Vehicles • New Engine Meets 0.50 g/bhp-hr NOx Standard or Cleaner • In operation by December 31, 2012 									
	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<= 1990	17,000	1,800	\$10,000	19,000	2,000	\$10,000	15,000	2,600	\$10,000
	25,000	2,600	\$15,000	28,000	2,900	\$15,000	20,000	3,400	\$15,000
	33,000	3,400	\$20,000	38,000	4,000	\$20,000	27,000	4,600	\$20,000
	41,000	4,300	\$25,000	47,000	4,900	\$25,000	34,000	5,700	\$25,000
							40,000	6,800	\$30,000
							47,000	7,900	\$35,000
							53,000	8,900	\$40,000
						60,000	10,100	\$45,000	

1991 - 1993	23,000	2,300	\$10,000	23,000	2,300	\$10,000	16,000	2,600	\$10,000
	35,000	3,500	\$15,000	35,000	3,500	\$15,000	24,000	3,900	\$15,000
	46,000	4,500	\$20,000	46,000	4,500	\$20,000	32,000	5,200	\$20,000
	58,000	5,700	\$25,000	57,000	5,600	\$25,000	40,000	6,500	\$25,000
							48,000	7,800	\$30,000
							56,000	9,100	\$35,000
							64,000	10,400	\$40,000
1994 - 1995							72,000	11,700	\$45,000
	28,000	2,800	\$10,000	30,000	3,000	\$10,000	17,000	2,700	\$10,000
	42,000	4,100	\$15,000	44,000	4,300	\$15,000	25,000	4,000	\$15,000
	56,000	5,500	\$20,000	59,000	5,800	\$20,000	34,000	5,400	\$20,000
	70,000	6,900	\$25,000	74,000	7,200	\$25,000	42,000	6,600	\$25,000
							50,000	7,900	\$30,000
							58,000	9,100	\$35,000
1996 - 2002							67,000	10,600	\$40,000
							75,000	11,800	\$45,000
	23,000	2,300	\$10,000	30,000	3,000	\$10,000	17,000	2,700	\$10,000
	35,000	3,500	\$15,000	44,000	4,300	\$15,000	25,000	4,000	\$15,000
	46,000	4,500	\$20,000	59,000	5,800	\$20,000	34,000	5,400	\$20,000
	58,000	5,700	\$25,000	74,000	7,200	\$25,000	42,000	6,600	\$25,000
							50,000	7,900	\$30,000
						58,000	9,100	\$35,000	
						67,000	10,600	\$40,000	
						75,000	11,800	\$45,000	

Table P-3

- Eligibility:
- Fleets of 1-3 Trucks
 - Used Replacement Vehicles
 - Replacement Engine Meets 1.20 g/bhp-hr NOx Standard or Cleaner
 - In operation by December 31, 2012

Engine Model Year	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<= 1990	18,000	1,900	\$10,000	22,000	2,300	\$10,000	17,000	2,900	\$10,000
	27,000	2,800	\$15,000	32,000	3,300	\$15,000	25,000	4,200	\$15,000
	35,000	3,600	\$20,000	43,000	4,500	\$20,000	33,000	5,600	\$20,000
							42,000	7,100	\$25,000
							50,000	8,400	\$30,000
						58,000	9,800	\$35,000	
1991 - 1993	26,000	2,600	\$10,000	27,000	2,700	\$10,000	21,000	3,500	\$10,000
	38,000	3,700	\$15,000	40,000	3,900	\$15,000	32,000	5,200	\$15,000
	51,000	5,000	\$20,000	54,000	5,300	\$20,000	42,000	6,900	\$20,000
							52,000	8,500	\$25,000
							63,000	10,300	\$30,000
						73,000	11,900	\$35,000	
1994 - 1995	32,000	3,200	\$10,000	36,000	3,600	\$10,000	22,000	3,500	\$10,000
	48,000	4,700	\$15,000	54,000	5,300	\$15,000	33,000	5,200	\$15,000
	64,000	6,300	\$20,000	72,000	7,100	\$20,000	44,000	6,900	\$20,000
							55,000	8,700	\$25,000
							66,000	10,400	\$30,000
						77,000	12,100	\$35,000	
1996 - 2002	27,000	2,700	\$10,000	36,000	3,600	\$10,000	22,000	3,500	\$10,000
	41,000	4,000	\$15,000	54,000	5,300	\$15,000	33,000	5,200	\$15,000
	54,000	5,300	\$20,000	72,000	7,100	\$20,000	44,000	6,900	\$20,000
							55,000	8,700	\$25,000
							66,000	10,400	\$30,000
						77,000	12,100	\$35,000	

Table P-5 Eligibility: <ul style="list-style-type: none"> • Fleets of 4 - 10 Trucks • New Replacement Vehicles • New Engine Meets 0.50 g/bhp-hr NOx Standard or Cleaner • In operation by December 31, 2012 									
	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
1994 - 1995	Not eligible for replacement funding			19,000	1,900	\$10,000	17,000	2,800	\$15,000
				29,000	2,900	\$15,000	23,000	3,800	\$20,000
				38,000	3,700	\$20,000	29,000	4,800	\$25,000
				47,000	4,600	\$25,000	34,000	5,600	\$30,000
							40,000	6,500	\$35,000
							46,000	7,500	\$40,000
						51,000	8,300	\$45,000	
1996 - 2002	23,000	2,300	\$10,000	30,000	3,000	\$10,000	17,000	2,700	\$10,000
	35,000	3,500	\$15,000	44,000	4,300	\$15,000	25,000	4,000	\$15,000
	46,000	4,500	\$20,000	59,000	5,800	\$20,000	34,000	5,400	\$20,000
	58,000	5,700	\$25,000	74,000	7,200	\$25,000	42,000	6,600	\$25,000
							50,000	7,900	\$30,000
							58,000	9,100	\$35,000
							67,000	10,600	\$40,000
						75,000	11,800	\$45,000	

Table P-6 Eligibility: <ul style="list-style-type: none"> • Fleets of 4 - 10 Trucks • Used Replacement Vehicles • Replacement Engine Meets 1.20 g/bhp-hr NOx Standard or Cleaner • In operation by December 31, 2012 									
	MHD GVWR = 19,501 to 26,000 lbs			MHD GVWR = 26,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
1994 - 1995	Not eligible for replacement funding			22,000	2,200	\$10,000	15,000	2,500	\$10,000
				33,000	3,300	\$15,000	21,000	3,500	\$15,000
				43,000	4,200	\$20,000	28,000	4,600	\$20,000
							35,000	5,700	\$25,000
							41,000	6,700	\$30,000
							48,000	7,800	\$35,000
1996 - 2002	27,000	2,700	\$10,000	36,000	3,600	\$10,000	22,000	3,500	\$10,000
	41,000	4,000	\$15,000	54,000	5,300	\$15,000	33,000	5,200	\$15,000
	54,000	5,300	\$20,000	72,000	7,100	\$20,000	44,000	6,900	\$20,000
							55,000	8,700	\$25,000
							66,000	10,400	\$30,000
							77,000	12,100	\$35,000

Revision 2: Future VIP funding tables will be updated annually

Amend Section B:

The maximum total project funding amounts associated with reducing the eligible costs of a VIP project are pre-determined and shown in Appendix O for retrofits and Appendix P for replacements, to be updated annually.

Revision 3: Revise Air District Initial Review Checklist

Amend Appendix E:

Air District Requirements

- Issue voucher for
- Funding year: 2011
 - Existing engine model year: _____
 - Annual mileage: _____; OR fuel use: _____
 - Replacements - new or used: _____
 - MHD or HHD: _____
 - 1.20, 0.50, or 0.20 NOx standard: _____
 - VOUCHER AMOUNT: _____

If you have questions regarding these changes, please contact John Nguyen, Air Resources Engineer, at (916) 324-9858 or via email at jnnguyen@arb.ca.gov.

Sincerely,

/s/

Robert H. Cross, Chief
Mobile Source Control Division

cc: John Nguyen
Air Resources Engineer
Alternative Strategies Section