

**Appendix O**

**On-Road VIP Funding Matrix for Retrofits**

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

Engine Model Year	LHD and MHD GVWR = 14,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons	
	2002 and older	19,000	1,900	\$1,000	12,000	1,900
36,000		3,600	\$2,000	23,000	3,700	\$2,000
54,000		5,300	\$3,000	34,000	5,400	\$3,000
71,000		7,000	\$4,000	45,000	7,100	\$4,000
89,000		8,700	\$5,000	55,000	8,700	\$5,000
				66,000	10,400	\$6,000
				77,000	12,100	\$7,000
				88,000	13,800	\$8,000
2003-2006	26,000	2,600	\$1,000	17,000	2,700	\$1,000
	52,000	5,100	\$2,000	32,000	5,100	\$2,000
	77,000	7,500	\$3,000	48,000	7,600	\$3,000
				64,000	10,100	\$4,000
				79,000	12,400	\$5,000
				95,000	14,900	\$6,000

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

Engine Model Year	LHD and MHD GVWR = 14,001 to 33,000 lbs			HHD GVWR = 33,001 lbs or more		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons	
	2002 and older	10,000	1,000	\$1,000	6,000	1,000
19,000		1,900	\$2,000	12,000	1,900	\$2,000
28,000		2,800	\$3,000	17,000	2,700	\$3,000
37,000		3,600	\$4,000	23,000	3,700	\$4,000
45,000		4,400	\$5,000	28,000	4,400	\$5,000
54,000		5,300	\$6,000	34,000	5,400	\$6,000
63,000		6,200	\$7,000	39,000	6,200	\$7,000
72,000		7,100	\$8,000	45,000	7,100	\$8,000
81,000		7,900	\$9,000	50,000	7,900	\$9,000
	90,000	8,800	\$10,000	56,000	8,800	\$10,000
2003-2006	14,000	1,400	\$1,000	9,000	1,500	\$1,000
	27,000	2,700	\$2,000	17,000	2,700	\$2,000
	39,000	3,800	\$3,000	25,000	4,000	\$3,000
	52,000	5,100	\$4,000	33,000	5,200	\$4,000
	65,000	6,400	\$5,000	41,000	6,500	\$5,000
	78,000	7,600	\$6,000	48,000	7,600	\$6,000
	90,000	8,800	\$7,000	56,000	8,800	\$7,000
				64,000	10,100	\$8,000
				72,000	11,300	\$9,000
			80,000	12,600	\$10,000	

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

Engine Model Year	LHD and MHD GVWR = 14,001 to 33,000 lbs		HHD GVWR = 33,001 lbs or more			
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons	
	2002 and older	7,000	700	\$1,000	5,000	800
13,000		1,300	\$2,000	8,000	1,300	\$2,000
19,000		1,900	\$3,000	12,000	1,900	\$3,000
25,000		2,500	\$4,000	16,000	2,600	\$4,000
31,000		3,100	\$5,000	20,000	3,200	\$5,000
37,000		3,600	\$6,000	23,000	3,700	\$6,000
43,000		4,200	\$7,000	27,000	4,300	\$7,000
49,000		4,800	\$8,000	31,000	4,900	\$8,000
55,000		5,400	\$9,000	34,000	5,400	\$9,000
61,000	6,000	\$10,000	38,000	6,000	\$10,000	
2003-2006	10,000	1,000	\$1,000	6,000	1,000	\$1,000
	18,000	1,800	\$2,000	12,000	1,900	\$2,000
	27,000	2,700	\$3,000	17,000	2,700	\$3,000
	35,000	3,500	\$4,000	22,000	3,500	\$4,000
	44,000	4,300	\$5,000	28,000	4,400	\$5,000
	53,000	5,200	\$6,000	33,000	5,200	\$6,000
	61,000	6,000	\$7,000	38,000	6,000	\$7,000
	70,000	6,900	\$8,000	44,000	6,900	\$8,000
	78,000	7,600	\$9,000	49,000	7,700	\$9,000
87,000	8,500	\$10,000	54,000	8,500	\$10,000	

**Appendix P**

**On-Road VIP Funding Matrix for Truck Replacements**

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-1A: Light Heavy-Duty (GVWR = 14,001 to 19,500 lbs)**

- Fleets of 1-10 trucks
- Replacement vehicles delivered and post inspected by December 31, 2016
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE ONLY)

<b>NEW REPLACEMENT</b>						
<b>Engine Model Year</b>	<b>0.20 g/bhp-hr NOx Standard or Cleaner</b>			<b>0.50 g/bhp-hr NOx Standard or Cleaner</b>		
	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>
	<b>Miles</b>	<b>Gallons</b>		<b>Miles</b>	<b>Gallons</b>	
<b>1998</b> No Truck and Bus Regulatory compliance due before January 1, 2018	24,000	2,300	\$5,000	26,000	2,500	\$5,000
	48,000	4,600	\$10,000	51,000	5,000	\$10,000
	71,000	6,900	\$15,000			
	95,000	9,200	\$20,000			
<b>1999</b> No Truck and Bus Regulatory compliance due before January 1, 2019	12,000	1,200	\$5,000	13,000	1,300	\$5,000
	24,000	2,400	\$10,000	26,000	2,500	\$10,000
	36,000	3,500	\$15,000			
	48,000	4,700	\$20,000			
<b>2000-2002</b> No Truck and Bus Regulatory compliance due before January 1, 2020	9,000	800	\$5,000	9,000	900	\$5,000
	17,000	1,600	\$10,000	18,000	1,700	\$10,000
	25,000	2,400	\$15,000			
	33,000	3,200	\$20,000			
<b>2003-2006</b> No Truck and Bus Regulatory compliance due before January 1, 2020	13,000	1,300	\$5,000			
	26,000	2,500	\$10,000			
	39,000	3,800	\$15,000			
	52,000	5,000	\$20,000			
<b>USED REPLACEMENT</b>						
<b>Engine Model Year</b>	<b>0.20 g/bhp-hr NOx Standard or Cleaner</b>			<b>0.50 g/bhp-hr NOx Standard or Cleaner</b>		
	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>
	<b>Miles</b>	<b>Gallons</b>		<b>Miles</b>	<b>Gallons</b>	
<b>1998</b> No Truck and Bus Regulatory compliance due before January 1, 2018	24,000	2,300	\$5,000	26,000	2,500	\$5,000
	48,000	4,600	\$10,000			
<b>1999</b> No Truck and Bus Regulatory compliance due before January 1, 2019	12,000	1,200	\$5,000	13,000	1,300	\$5,000
	24,000	2,400	\$10,000			
<b>2000-2002</b> No Truck and Bus Regulatory compliance due before January 1, 2020	9,000	800	\$5,000	9,000	900	\$5,000
	17,000	1,600	\$10,000			
<b>2003-2006</b> No Truck and Bus Regulatory compliance due before January 1, 2020	13,000	1,300	\$5,000			
	26,000	2,500	\$10,000			

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-1B: Light And Medium Heavy-Duty (GVWR = 14,001 to 26,000 lbs)**

- Fleets of 1-10 trucks
- Replacement vehicles delivered and post inspected by December 31, 2016
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2020
- Must show current compliance and reported TRUCRS compliance option  
(ENGINE MODEL YEAR SCHEDULE NOT ELIGIBLE)

<b>NEW REPLACEMENT</b>						
<b>Engine Model Year</b>	<b>0.20 g/bhp-hr NOx Standard or Cleaner</b>			<b>0.50 g/bhp-hr NOx Standard or Cleaner</b>		
	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>
	<b>Miles</b>	<b>Gallons</b>		<b>Miles</b>	<b>Gallons</b>	
<b>≤ 1990</b>	9,000	900	\$5,000	9,000	1,000	\$5,000
	17,000	1,700	\$10,000	18,000	1,900	\$10,000
	25,000	2,600	\$15,000			
	33,000	3,400	\$20,000			
<b>1991-1997</b>	12,000	1,200	\$5,000	13,000	1,300	\$5,000
	24,000	2,300	\$10,000	26,000	2,600	\$10,000
	35,000	3,400	\$15,000			
	47,000	4,600	\$20,000			
<b>USED REPLACEMENT</b>						
<b>Engine Model Year</b>	<b>0.20 g/bhp-hr NOx Standard or Cleaner</b>			<b>0.50 g/bhp-hr NOx Standard or Cleaner</b>		
	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>
	<b>Miles</b>	<b>Gallons</b>		<b>Miles</b>	<b>Gallons</b>	
<b>≤ 1990</b>	9,000	900	\$5,000	9,000	1,000	\$5,000
	17,000	1,700	\$10,000			
<b>1991-1997</b>	12,000	1,200	\$5,000	13,000	1,300	\$5,000
	24,000	2,300	\$10,000			

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

<b>Table P-2A: Medium Heavy-Duty (GVWR = 19,501 to 26,000 lbs)</b>						
<ul style="list-style-type: none"> <li>• Fleets of 1-10 trucks</li> <li>• Replacement vehicles delivered and post inspected by December 31, 2016</li> <li>• Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE ONLY)</li> </ul>						
<b>NEW REPLACEMENT</b>						
<b>Engine Model Year</b>	<b>0.20 g/bhp-hr NOx Standard or Cleaner</b>			<b>0.50 g/bhp-hr NOx Standard or Cleaner</b>		
	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>	<b>Minimum Annual Usage</b>		<b>Funding Amount</b>
	<b>Miles</b>	<b>Gallons</b>		<b>Miles</b>	<b>Gallons</b>	
<b>1998</b> No Truck and Bus Regulatory compliance due before January 1, 2018	48,000	4,600	\$10,000	51,000	5,000	\$10,000
	71,000	6,900	\$15,000	76,000	7,400	\$15,000
	95,000	9,200	\$20,000			
<b>1999</b> No Truck and Bus Regulatory compliance due before January 1, 2019	24,000	2,400	\$10,000	26,000	2,500	\$10,000
	36,000	3,500	\$15,000	39,000	3,800	\$15,000
	48,000	4,700	\$20,000			
<b>2000-2002</b> No Truck and Bus Regulatory compliance due before January 1, 2020	17,000	1,600	\$10,000	18,000	1,700	\$10,000
	25,000	2,400	\$15,000	26,000	2,600	\$15,000
	33,000	3,200	\$20,000			
	41,000	3,900	\$25,000			
<b>2003-2006</b> No Truck and Bus Regulatory compliance due before January 1, 2020	26,000	2,500	\$10,000			
	39,000	3,800	\$15,000			
	52,000	5,000	\$20,000			
	65,000	6,300	\$25,000			

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-2B: Medium Heavy-Duty (GVWR = 19,501 to 26,000 lbs)**

- Fleets of 1-10 trucks
- Replacement vehicles delivered and post inspected by December 31, 2016
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)  
(ENGINE MODEL YEAR SCHEDULE ONLY)

**USED REPLACEMENT**

Engine Model Year	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bhp-hr NOx Standard or Cleaner			1.20 g/bhp-hr NOx Standard or Cleaner		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<b>1998</b> No Truck and Bus Regulatory compliance due before January 1, 2018	48,000	4,600	\$10,000	51,000	5,000	\$10,000	62,000	6,000	\$10,000
	71,000	6,900	\$15,000						
<b>1999</b> No Truck and Bus Regulatory compliance due before January 1, 2019	24,000	2,400	\$10,000	26,000	2,500	\$10,000	31,000	3,100	\$10,000
	36,000	3,500	\$15,000						
<b>2000-2002</b> No Truck and Bus Regulatory compliance due before January 1, 2020	17,000	1,600	\$10,000	18,000	1,700	\$10,000	21,000	2,100	\$10,000
	25,000	2,400	\$15,000						
<b>2003-2006</b> No Truck and Bus Regulatory compliance due before January 1, 2020	26,000	2,500	\$10,000						
	39,000	3,800	\$15,000						

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-3A: Medium Heavy-Duty (GVWR = 26,001 to 33,000 lbs)**

- Fleets of 1-10 Trucks
- No Truck and Bus Regulatory 2010 Std. Compliance Date Before January 1, 2020
- Replacement Vehicles Delivered and Post-inspected by December 31, 2016
- **MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE (Engine Model Year Schedule eligible if truck is filtered)**

**NEW REPLACEMENT**

Engine Model Year	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bhp-hr NOx Standard or Cleaner		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons	
<= 1990	17,000	1,700	\$10,000	18,000	1,900	\$10,000
	25,000	2,600	\$15,000	27,000	2,800	\$15,000
	33,000	3,400	\$20,000	36,000	3,700	\$20,000
	41,000	4,200	\$25,000	44,000	4,600	\$25,000
	49,000	5,100	\$30,000			
	58,000	5,900	\$35,000			
1991-1993	23,000	2,300	\$10,000	26,000	2,500	\$10,000
	35,000	3,400	\$15,000	38,000	3,700	\$15,000
	46,000	4,500	\$20,000	51,000	4,900	\$20,000
	57,000	5,600	\$25,000	63,000	6,200	\$25,000
	69,000	6,700	\$30,000			
	80,000	7,800	\$35,000			
1994-2002	24,000	2,400	\$10,000	27,000	2,600	\$10,000
	36,000	3,500	\$15,000	40,000	3,900	\$15,000
	48,000	4,700	\$20,000	53,000	5,200	\$20,000
	60,000	5,800	\$25,000	67,000	6,500	\$25,000
	72,000	7,000	\$30,000			
	83,000	8,100	\$35,000			
2003-2006	38,000	3,700	\$10,000			
	57,000	5,500	\$15,000			
	75,000	7,300	\$20,000			
	94,000	9,100	\$25,000			

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-3B: Medium Heavy-Duty (GVWR = 26,001 to 33,000 lbs)**

- Fleets of 1-10 Trucks
- No Truck and Bus Regulatory 2010 Std. Compliance Date Before January 1, 2020
- Replacement Vehicles Delivered and Post-inspected by December 31, 2016
- **MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE**  
(Engine Model Year Schedule eligible if truck is filtered)

**USED REPLACEMENT**

Engine Model Year	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bhp-hr NOx Standard or Cleaner			1.20 g/bhp-hr NOx Standard or Cleaner		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<= 1990	17,000	1,700	\$10,000	18,000	1,900	\$10,000	22,000	2,200	\$10,000
	25,000	2,600	\$15,000	27,000	2,800	\$15,000	32,000	3,300	\$15,000
	33,000	3,400	\$20,000	36,000	3,700	\$20,000			
	41,000	4,200	\$25,000						
1991-1993	23,000	2,300	\$10,000	26,000	2,500	\$10,000	34,000	3,300	\$10,000
	35,000	3,400	\$15,000	38,000	3,700	\$15,000	51,000	5,000	\$15,000
	46,000	4,500	\$20,000	51,000	4,900	\$20,000			
	57,000	5,600	\$25,000						
1994-2002	24,000	2,400	\$10,000	27,000	2,600	\$10,000	36,000	3,500	\$10,000
	36,000	3,500	\$15,000	40,000	3,900	\$15,000	54,000	5,300	\$15,000
	48,000	4,700	\$20,000	53,000	5,200	\$20,000			
	60,000	5,800	\$25,000						
2003-2006	38,000	3,700	\$10,000						
	57,000	5,500	\$15,000						
	75,000	7,300	\$20,000						

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-4A: Heavy Heavy-Duty (GVWR = 33,001 lbs or more)**

- Fleets of 1-10 trucks
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2020
- Replacement vehicles delivered and post inspected by December 31, 2016
- **MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE**  
(Engine Model Year Schedule eligible if truck is filtered)

**NEW REPLACEMENT**

Engine Model Year	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bhp-hr NOx Standard or Cleaner		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons	
<= 1990	12,000	1,900	\$10,000	13,000	2,100	\$10,000
	17,000	2,900	\$15,000	19,000	3,100	\$15,000
	23,000	3,800	\$20,000	25,000	4,100	\$20,000
	29,000	4,800	\$25,000	31,000	5,200	\$25,000
	34,000	5,700	\$30,000	37,000	6,200	\$30,000
	40,000	6,600	\$35,000	43,000	7,200	\$35,000
	45,000	7,600	\$40,000			
	51,000	8,500	\$45,000			
1991-1993	14,000	2,200	\$10,000	15,000	2,400	\$10,000
	20,000	3,300	\$15,000	22,000	3,600	\$15,000
	27,000	4,300	\$20,000	30,000	4,800	\$20,000
	34,000	5,400	\$25,000	37,000	6,000	\$25,000
	40,000	6,500	\$30,000	44,000	7,200	\$30,000
	47,000	7,600	\$35,000	52,000	8,300	\$35,000
	53,000	8,600	\$40,000			
	60,000	9,700	\$45,000			
1994-2002	14,000	2,200	\$10,000	16,000	2,500	\$10,000
	21,000	3,300	\$15,000	24,000	3,700	\$15,000
	28,000	4,400	\$20,000	31,000	4,900	\$20,000
	35,000	5,500	\$25,000	39,000	6,100	\$25,000
	42,000	6,600	\$30,000	47,000	7,300	\$30,000
	49,000	7,700	\$35,000	54,000	8,500	\$35,000
	56,000	8,700	\$40,000			
	63,000	9,800	\$45,000			
2003-2006	22,000	3,500	\$10,000			
	33,000	5,200	\$15,000			
	44,000	6,900	\$20,000			
	55,000	8,700	\$25,000			
	66,000	10,400	\$30,000			
	77,000	12,100	\$35,000			
	88,000	13,800	\$40,000			
	99,000	15,600	\$45,000			

**Mail-Out #MSC 15-28  
ATTACHMENT 1**

**Table P-4B: Heavy Heavy-Duty (GVWR = 33,001 lbs or more)**

- Fleets of 1-10 trucks
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2020
- Replacement vehicles delivered and post inspected by December 31, 2016
- **MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE**
- (Engine Model Year Schedule eligible if truck is filtered)

**USED REPLACEMENT**

Engine Model Year	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bhp-hr NOx Standard or Cleaner			1.20 g/bhp-hr NOx Standard or Cleaner		
	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
<= 1990	12,000	1,900	\$10,000	13,000	2,100	\$10,000	16,000	2,600	\$10,000
	17,000	2,900	\$15,000	19,000	3,100	\$15,000	23,000	3,900	\$15,000
	23,000	3,800	\$20,000	25,000	4,100	\$20,000	31,000	5,200	\$20,000
	29,000	4,800	\$25,000	31,000	5,200	\$25,000			
	34,000	5,700	\$30,000	37,000	6,200	\$30,000			
	40,000	6,600	\$35,000						
1991-1993	14,000	2,200	\$10,000	15,000	2,400	\$10,000	20,000	3,200	\$10,000
	20,000	3,300	\$15,000	22,000	3,600	\$15,000	29,000	4,700	\$15,000
	27,000	4,300	\$20,000	30,000	4,800	\$20,000	39,000	6,300	\$20,000
	34,000	5,400	\$25,000	37,000	6,000	\$25,000			
	40,000	6,500	\$30,000	44,000	7,200	\$30,000			
	47,000	7,600	\$35,000						
1994-2002	14,000	2,200	\$10,000	16,000	2,500	\$10,000	21,000	3,300	\$10,000
	21,000	3,300	\$15,000	24,000	3,700	\$15,000	31,000	4,900	\$15,000
	28,000	4,400	\$20,000	31,000	4,900	\$20,000	42,000	6,500	\$20,000
	35,000	5,500	\$25,000	39,000	6,100	\$25,000			
	42,000	6,600	\$30,000	47,000	7,300	\$30,000			
	49,000	7,700	\$35,000						
2003-2006	22,000	3,500	\$10,000						
	33,000	5,200	\$15,000						
	44,000	6,900	\$20,000						
	55,000	8,700	\$25,000						
	66,000	10,400	\$30,000						
	77,000	12,100	\$35,000						