Appendix O

On-Road VIP Funding Matrix for Retrofits

Table O-1 Eligibility:

- Fleets of 1-3
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2017
- Retrofits Installed and Post Inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)

	GVWR	LHD and MHD 2 = 14,001 to 33,0	•	HHD GVWR = 33,001 lbs or more			
Engine Model Year		n Annual age	Funding	_	n Annual age	Funding Amount	
	Miles	Gallons	Amount	Miles	Gallons		
	14,000	1,300	\$1,000	9,000	1,500	\$1,000	
2002 and older	27,000	2,600	\$2,000	17,000	2,700	\$2,000	
	40,000	3,900	\$3,000	25,000	4,000	\$3,000	
	53,000	5,100	\$4,000	33,000	5,200	\$4,000	
	66,000	6,400	\$5,000	41,000	6,500	\$5,000	
	79,000	7,700	\$6,000	49,000	7,700	\$6,000	
	92,000	9,000	\$7,000	57,000	9,000	\$7,000	
				65,000	10,200	\$8,000	
				73,000	11,500	\$9,000	
				82,000	12,900	\$10,000	
	19,000	1,900	\$1,000	12,000	1,900	\$1,000	
	38,000	3,700	\$2,000	24,000	3,800	\$2,000	
	57,000	5,600	\$3,000	35,000	5,500	\$3,000	
2003-2006	76,000	7,400	\$4,000	47,000	7,400	\$4,000	
2003-2000	95,000	9,200	\$5,000	59,000	9,300	\$5,000	
				70,000	11,000	\$6,000	
				82,000	12,900	\$7,000	
				94,000	14,800	\$8,000	

Table O-2 Eligibility:

- Fleets of 1-3
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2018
- Retrofits Installed and Post Inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)

	GVWF	LHD and MHD R = 14,001 to 33,0	000 lbs	HHD GVWR = 33,001 lbs or more			
Engine Model Year		n Annual age	Funding		n Annual age	Funding	
	Miles	Gallons	Amount	Miles	Gallons	Amount	
	7,000	700	\$1,000	5,000	800	\$1,000	
	14,000	1,300	\$2,000	9,000	1,500	\$2,000	
2002 and alder	20,000	2,000	\$3,000	13,000	2,100	\$3,000	
	27,000	2,600	\$4,000	17,000	2,700	\$4,000	
	34,000	3,300	\$5,000	21,000	3,300	\$5,000	
2002 and older	40,000	3,900	\$6,000	25,000	4,000	\$6,000	
	47,000	4,600	\$7,000	29,000	4,600	\$7,000	
	53,000	5,200	\$8,000	33,000	5,200	\$8,000	
	60,000	5,800	\$9,000	37,000	5,800	\$9,000	
	67,000	6,500	\$10,000	41,000	6,500	\$10,000	
	10,000	1,000	\$1,000	6,000	1,000	\$1,000	
	20,000	1,900	\$2,000	12,000	1,900	\$2,000	
	29,000	2,800	\$3,000	18,000	2,900	\$3,000	
	39,000	3,800	\$4,000	24,000	3,800	\$4,000	
2003-2006	48,000	4,700	\$5,000	30,000	4,800	\$5,000	
2000 2000	58,000	5,600	\$6,000	36,000	5,700	\$6,000	
	67,000	6,500	\$7,000	42,000	6,600	\$7,000	
	77,000	7,500	\$8,000	48,000	7,600	\$8,000	
	86,000	8,400	\$9,000	53,000	8,400	\$9,000	
	96,000	9,300	\$10,000	59,000	9,300	\$10,000	

Table O-3 Eligibility:

- Fleets of 1-3
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2019
- Retrofits Installed and Post Inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)

	GVWR	LHD and MHD 2 = 14,001 to 33,0	000 lbs	HHD GVWR = 33,001 lbs or more			
Engine Model Year		n Annual age	Funding		m Annual age	Funding	
	Miles	Gallons	Amount	Miles	Gallons	Amount	
	5,000	500	\$1,000	5,000	800	\$1,000	
	9,000	900	\$2,000	6,000	1,000	\$2,000	
2002 and older	14,000	1,300	\$3,000	9,000	1,500	\$3,000	
	18,000	1,800	\$4,000	12,000	1,900	\$4,000	
	23,000	2,200	\$5,000	14,000	2,200	\$5,000	
2002 and older	27,000	2,600	\$6,000	17,000	2,700	\$6,000	
	32,000	3,100	\$7,000	20,000	3,200	\$7,000	
	36,000	3,500	\$8,000	23,000	3,700	\$8,000	
	41,000	3,900	\$9,000	25,000	4,000	\$9,000	
	45,000	4,400	\$10,000	28,000	4,400	\$10,000	
	7,000	700	\$1,000	5,000	800	\$1,000	
	13,000	1,300	\$2,000	8,000	1,300	\$2,000	
	20,000	1,900	\$3,000	12,000	1,900	\$3,000	
	26,000	2,500	\$4,000	16,000	2,600	\$4,000	
2003-2006	33,000	3,200	\$5,000	20,000	3,200	\$5,000	
2000 2000	39,000	3,800	\$6,000	24,000	3,800	\$6,000	
	45,000	4,400	\$7,000	28,000	4,400	\$7,000	
	52,000	5,000	\$8,000	32,000	5,100	\$8,000	
	58,000	5,700	\$9,000	36,000	5,700	\$9,000	
	65,000	6,300	\$10,000	40,000	6,300	\$10,000	

Appendix P

On-Road VIP Funding Matrix for Truck Replacements

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

- Fleets of 1-3 trucks
- Replacement vehicles delivered and post inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE)

(ENGINE MODEL YE	AR SCHEDU	JLE)					
		NEW REP	LACEMENT				
	0.20 g/bh	p-hr NOx St Cleaner	andard or	0.50 g/b	hp-hr NOx S Cleaner	tandard or	
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	
	Miles	Gallons		Miles	Gallons		
1997	25,000	2,500	\$5,000	27,000	2,600	\$5,000	
No Truck and Bus Regulatory compliance due before	50,000	4,900	\$10,000	54,000	5,200	\$10,000	
January 1, 2017	75,000	7,300	\$15,000				
1998	13,000	1,200	\$5,000	14,000	1,300	\$5,000	
No Truck and Bus Regulatory	25,000	2,400	\$10,000	27,000	2,600	\$10,000	
compliance due before January 1, 2018	37,000	3,600	\$15,000				
	50,000	4,800	\$20,000				
1999-2002	9,000	900	\$5,000	9,000	900	\$5,000	
No Truck and Bus Regulatory	17,000	1,700	\$10,000	18,000	1,800	\$10,000	
compliance due before	25,000	2,500	\$15,000				
January 1, 2019	34,000	3,300	\$20,000				
2003-2006	14,000	1,300	\$5,000				
No Truck and Bus Regulatory	27,000	2,600	\$10,000				
compliance due before	40,000	3,900	\$15,000				
January 1, 2019	53,000	5,200	\$20,000				
		USED REP	PLACEMENT				
	0.20 g/bh	p-hr NOx St	andard or	0.50 g/b	hp-hr NOx S	tandard or	
		Cleaner	1	Cleaner			
Engine Model Year	Minimun Usa	n Annual age	Funding	Minimum Annual Usage		Funding	
	Miles	Gallons	Amount	Miles	Gallons	Amount	
1997 No Truck and Bus Regulatory	25,000	2,500	\$5,000	27,000	2,600	\$5,000	
compliance due before January 1, 2017	50,000	4,900	\$10,000				
1998 No Truck and Bus Regulatory	13,000	1,200	\$5,000	14,000	1,300	\$5,000	
compliance due before January 1, 2018	25,000	2,400	\$10,000				
1999-2002 No Truck and Bus Regulatory	9,000	900	\$5,000	9,000	1,000	\$5,000	
compliance due before January 1, 2019	17,000	1,700	\$10,000				
2003-2006 No Truck and Bus Regulatory	14,000	1,300	\$5,000				
compliance due before January 1, 2019	27,000	2,600	\$10,000				

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

- Fleets of 1-3 trucks
- Replacement vehicles delivered and post inspected by December 31, 2015
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2019
- MUST HAVE TRUCRS FLEXIBILITY OPTION COMPLIANCE CERTIFICATE (Engine Model Year Schedule not eligible)

Schedule not engib	,	NEW REP	LACEMENT					
	0.20 g/bł	np-hr NOx St Cleaner	andard or	0.50 g/b	0.50 g/bhp-hr NOx Standard or Cleaner			
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimu Us	Funding Amount			
	Miles	Gallons	Amount	Miles	Gallons	Amount		
	9,000	900	\$5,000	10,000	1,000	\$5,000		
<u><</u> 1990	17,000	1,800	\$10,000	19,000	1,900	\$10,000		
<u> </u>	26,000	2,600	\$15,000					
	34,000	3,500	\$20,000					
1991-1996	12,000	1,200	\$5,000	14,000	1,300	\$5,000		
1001 1000	24,000	2,400	\$10,000	27,000	2,600	\$10,000		
	36,000	3,500	\$15,000					
	48,000	4,700	\$20,000					
		USED REP	PLACEMENT					
	0.20 g/bł	np-hr NOx St Cleaner	andard or	0.50 g/bhp-hr NOx Standard or Cleaner				
Engine Model Year		n Annual age	Funding Amount	_	Minimum Annual Usage			
	Miles	Gallons	Amount	Miles	Gallons	Amount		
≤ 1990	9,000	900	\$5,000	10,000	1,000	\$5,000		
	17,000	1,800	\$10,000					
1991-1996	12,000	1,200	\$5,000	14,000	1,300	\$5,000		
	24,000	2,400	\$10,000		_			

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

- Fleets of 1-3 trucks
- Replacement vehicles delivered and post inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE)

	NEW REPLACEMENT									
	0.20 g/bhp-hr NOx Standard or Cleaner									
Engine Model Year	Minimum Anı	nual Usage	Funding	Minimum Annual Usage		Funding				
Linginie Model Teal	Miles	Gallons	Amount	Miles	Gallons	Amount				
1997 No Truck and Bus Regulatory	50,000	4,900	\$10,000	54,000	5,200	\$10,000				
compliance due before January 1, 2017	75,000	7,300	\$15,000							
1998	25,000	2,400	\$10,000	27,000	2,600	\$10,000				
No Truck and Bus Regulatory	37,000	3,600	\$15,000	40,000	3,900	\$15,000				
compliance due before January 1, 2018	50,000	4,800	\$20,000							
oandary 1, 2010	62,000	6,000	\$25,000							
1999-2002	17,000	1,700	\$10,000	18,000	1,800	\$10,000				
No Truck and Bus Regulatory	25,000	2,500	\$15,000	27,000	2,600	\$15,000				
compliance due before January 1, 2019	34,000	3,300	\$20,000							
oandary 1, 2010	42,000	4,100	\$25,000							
0000 0000	27,000	2,600	\$10,000							
2003-2006 No Truck and Bus Regulatory	40,000	3,900	\$15,000							
compliance due before January 1, 2019	53,000	5,200	\$20,000							
January 1, 2010	67,000	6,500	\$25,000							

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

- Fleets of 1-3 trucks
- Replacement vehicles delivered and post inspected by December 31, 2015
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE)

USED REPLACEMENT									
	0.20 g/b	hp-hr NOx or Cleane	Standard r	0.50 g/l	ohp-hr NO or Clean	c Standard er	1.20 g/bhp-hr NOx Standard or Cleaner		
Engine Model Year	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount	Minimum Annual Usage		Funding Amount
	Miles	Gallons		Miles	Gallons		Miles	Gallons	
1997									
No Truck and Bus Regulatory compliance due before January 1, 2017	50,000	4,900	\$10,000	54,000	5,200	\$10,000	65,000	6,300	\$10,000
1998 No Truck and Bus Regulatory	25,000	2,400	\$10,000	27,000	2,600	\$10,000	32,000	3,100	\$10,000
compliance due before January 1, 2018	37,000	3,600	\$15,000						
1999-2002 No Truck and Bus Regulatory	17,000	1,700	\$10,000	18,000	1,800	\$10,000	22,000	2,100	\$10,000
compliance due before January 1, 2019	25,000	2,500	\$15,000						
2003-2006 No Truck and Bus Regulatory	27,000	2,600	\$10,000						
compliance due before January 1, 2019	40,000	3,900	\$15,000						

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

- Fleets of 1-3 Trucks
- No Truck and Bus Regulatory 2010 Std. Compliance Date Before January 1, 2019
- Replacement Vehicles Delivered and Post-inspected by December 31, 2015
- MUST HAVE TRUCRS FLEXIBILITY OPTION COMPLIANCE CERTIFICATE (Engine Model Year Schedule not eligible)

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Engine	0.20 g/bhp-l	hr NOx Standa	rd or Cleaner	0.50 g/bhp-hr NOx Standard or Cleaner				
Model Year	Minimum A Miles	nnual Usage Gallons	Funding Amount	Minimum Anı Miles	nual Usage Gallons	Funding Amount		
	17,000	1,800	\$10,000	19,000	1,900	\$10,000		
	26,000	2,600	\$15,000	28,000	2,800	\$15,000		
1000	34,000	3,500	\$20,000	37,000	3,800	\$20,000		
<= 1990	43,000	4,400	\$25,000	46,000	4,700	\$25,000		
	51,000	5,200	\$30,000					
	59,000	6,100	\$35,000					
	24,000	2,300	\$10,000	26,000	2,600	\$10,000		
1991-1993	36,000	3,500	\$15,000	39,000	3,800	\$15,000		
	47,000	4,600	\$20,000	52,000	5,100	\$20,000		
	59,000	5,700	\$25,000	65,000	6,400	\$25,000		
	71,000	6,900	\$30,000					
	82,000	8,000	\$35,000					
	25,000	2,400	\$10,000	28,000	2,700	\$10,000		
	37,000	3,600	\$15,000	41,000	4,000	\$15,000		
1994-2002	49,000	4,800	\$20,000	55,000	5,300	\$20,000		
1994-2002	62,000	6,000	\$25,000	69,000	6,700	\$25,000		
	74,000	7,200	\$30,000					
	86,000	8,400	\$35,000					
	39,000	3,800	\$10,000					
2003-2006	58,000	5,700	\$15,000					
2003-2000	78,000	7,600	\$20,000					
	97,000	9,400	\$25,000					

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

- Fleets of 1-3 Trucks
- No Truck and Bus Regulatory 2010 Std. Compliance Date Before January 1, 2019
- Replacement Vehicles Delivered and Post-inspected by December 31, 2015
- MUST HAVE TRUCRS FLEXIBILITY OPTION COMPLIANCE CERTIFICATE (Engine Model Year Schedule not eligible)

USED REPLACEMENT

Engine	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/l	ohp-hr NOx Sta Cleaner	andard or	1.20 g/bhp-hr NOx Standard or Cleaner			
Model Year	Minimum Usa		Funding Amount		Minimum Annual Usage		Minimum Annual Usage		Funding Amount	
	Miles	Gallons	Amount	Miles	Gallons	Amount	Miles	Gallons	Amount	
	17,000	1,800	\$10,000	19,000	1,900	\$10,000	22,000	2,300	\$10,000	
<= 1990	26,000	2,600	\$15,000	28,000	2,800	\$15,000	33,000	3,400	\$15,000	
	34,000	3,500	\$20,000	37,000	3,800	\$20,000				
	43,000	4,400	\$25,000							
	24,000	2,300	\$10,000	26,000	2,600	\$10,000	35,000	3,400	\$10,000	
1001 1002	36,000	3,500	\$15,000	39,000	3,800	\$15,000	52,000	5,100	\$15,000	
1991-1993	47,000	4,600	\$20,000	52,000	5,100	\$20,000				
	59,000	5,700	\$25,000							
	25,000	2,400	\$10,000	28,000	2,700	\$10,000	37,000	3,600	\$10,000	
1004 2002	37,000	3,600	\$15,000	41,000	4,000	\$15,000	56,000	5,400	\$15,000	
1994-2002	49,000	4,800	\$20,000	55,000	5,300	\$20,000				
	62,000	6,000	\$25,000							
	39,000	3,800	\$10,000							
2003-2006	58,000	5,700	\$15,000							
	78,000	7,600	\$20,000							

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

91,000

- Fleets of 1-3 trucks
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2019
- Replacement vehicles delivered and post inspected by December 31, 2015

14,300

• MUST HAVE TRUCRS FLEXIBILITY OPTION COMPLIANCE CERTIFICATE (Engine Model Year Schedule not eligible)

NEW REPLACEMENT 0.20 g/bhp-hr NOx Standard or Cleaner 0.50 g/bhp-hr NOx Standard or Cleaner Engine **Minimum Annual Usage** Minimum Annual Usage Model Year **Funding Amount Funding Amount** Miles Gallons Miles **Gallons** \$10,000 12,000 2,000 13,000 2,200 \$10,000 18,000 3,000 \$15,000 19,000 3,200 \$15,000 24,000 3.900 \$20,000 26,000 4.300 \$20,000 29,000 4,900 \$25,000 32,000 5,300 \$25,000 <= 1990 5,900 38,000 6,400 35,000 \$30,000 \$30,000 41,000 6,800 \$35,000 44.000 7.400 \$35,000 47,000 7.800 \$40,000 53,000 8,800 \$45,000 14,000 2,300 \$10,000 2,500 16,000 \$10,000 21,000 3,400 \$15,000 23,000 3,700 \$15,000 28,000 4,500 \$20,000 31,000 4,900 \$20,000 35,000 5,600 \$25,000 38,000 6,200 \$25,000 1991-1993 41,000 6,700 \$30,000 46,000 7,400 \$30,000 48,000 7,800 \$35,000 53,000 8,600 \$35,000 55.000 8.900 \$40,000 62.000 10.000 \$45,000 15.000 2.300 \$10,000 16.000 2.500 \$10.000 22.000 3.400 \$15,000 24.000 3.800 \$15.000 4.500 5.000 29.000 \$20,000 32.000 \$20,000 36.000 5.600 \$25,000 40.000 6.300 \$25,000 1994-2002 43,000 6,800 \$30,000 48,000 7.500 \$30,000 50.000 7.900 \$35,000 56.000 8.700 \$35,000 58,000 9,000 \$40,000 65,000 10,100 \$45,000 23,000 3.600 \$10,000 34.000 5,400 \$15,000 46,000 7.200 \$20,000 57,000 8,900 \$25,000 2003-2006 68,000 10.700 \$30,000 80,000 12,500 \$35,000

\$40,000

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

- Fleets of 1-3 trucks
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2019
- Replacement vehicles delivered and post inspected by December 31, 2015
- MUST HAVE TRUCRS FLEXIBILITY OPTION COMPLIANCE CERTIFICATE (Engine Model Year Schedule not eligible)

USED REPLACEMENT

Engino	0.20 g/bhp-hr NOx Standard or Cleaner			0.50 g/bł	np-hr NOx Sta Cleaner	andard or	1.20 g/bhp-hr NOx Standard or Cleaner		
Engine Model Year	Minimum Annual Usage		Funding Amount		Minimum Annual Usage		_	m Annual sage	Funding Amount
	Miles	Gallons	Amount	Miles	Gallons	Amount	Miles	Gallons	Amount
	12,000	2,000	\$10,000	13,000	2,200	\$10,000	16,000	2,700	\$10,000
	18,000	3,000	\$15,000	19,000	3,200	\$15,000	24,000	4,000	\$15,000
. 1000	24,000	3,900	\$20,000	26,000	4,300	\$20,000	32,000	5,300	\$20,000
<= 1990	29,000	4,900	\$25,000	32,000	5,300	\$25,000			
	35,000	5,900	\$30,000	38,000	6,400	\$30,000			
	41,000	6,800	\$35,000						
	14,000	2,300	\$10,000	16,000	2,500	\$10,000	20,000	3,300	\$10,000
	21,000	3,400	\$15,000	23,000	3,700	\$15,000	30,000	4,900	\$15,000
1001 1002	28,000	4,500	\$20,000	31,000	4,900	\$20,000	40,000	6,500	\$20,000
1991-1993	35,000	5,600	\$25,000	38,000	6,200	\$25,000			
	41,000	6,700	\$30,000	46,000	7,400	\$30,000			
	48,000	7,800	\$35,000						
	15,000	2,300	\$10,000	16,000	2,500	\$10,000	22,000	3,400	\$10,000
	22,000	3,400	\$15,000	24,000	3,800	\$15,000	32,000	5,000	\$15,000
1994-2002	29,000	4,500	\$20,000	32,000	5,000	\$20,000	43,000	6,700	\$20,000
1994-2002	36,000	5,600	\$25,000	40,000	6,300	\$25,000			
l l	43,000	6,800	\$30,000	48,000	7,500	\$30,000			
	50,000	7,900	\$35,000						
	23,000	3,600	\$10,000						
	34,000	5,400	\$15,000						
2003-2006	46,000	7,200	\$20,000						
	57,000	8,900	\$25,000						
	68,000	10,700	\$30,000						