Appendix O

On-Road VIP Funding Matrix for Retrofits

Table O-1 Eligibility:

- Fleets of 1-10
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2019
- Retrofits Installed and Post Inspected by December 31, 2017
- 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	Minimun Us	Funding		
	Miles	Gallons	Amount	Miles	Gallons	Amount	
	19,000	1,900	\$1,000	12,000	1,900	\$1,000	
	36,000	3,600	\$2,000	23,000	3,700	\$2,000	
	54,000	5,300	\$3,000	34,000	5,400	\$3,000	
2002 and older	71,000	7,000	\$4,000	45,000	7,100	\$4,000	
2002 and older	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	
	26,000	2,600	\$1,000	17,000	2,700	\$1,000	
	52,000	5,100	\$2,000	32,000	5,100	\$2,000	
2003-2006	77,000	7,500	\$3,000	48,000	7,600	\$3,000	
2003-2000				64,000	10,100	\$4,000	
				79,000	12,400	\$5,000	
				95,000	14,900	\$6,000	

Table O-2 Eligibility:

- Fleets of 1-10
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2020
- Retrofits Installed and Post Inspected by December 31, 2017
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)

	GVWF	LHD and MHD R = 14,001 to 33,0	00 lbs	HHD GVWR = 33,001 lbs or more			
Engine Model Year	Minimu	n Annual age	Funding	Minimun	n Annual age	Funding	
	Miles	Gallons	Amount	Miles	Gallons	Amount	
	10,000	1,000	\$1,000	6,000	1,000	\$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	
2002 and older	45,000	4,400	\$5,000	28,000	4,400	\$5,000	
2002 and older	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	
	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	
2003-2006	65,000	6,400	\$5,000	41,000	6,500	\$5,000	
2000 2000	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	

Table O-3 Eligibility:

- Fleets of 1-10
- NO TRUCK AND BUS REGULATORY COMPLIANCE DATE BEFORE JANUARY 1, 2021
- Retrofits Installed and Post Inspected by December 31, 2017
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C)

	GVWF	LHD and MHD R = 14,001 to 33,0	00 lbs	HHD GVWR = 33,001 lbs or more				
Engine Model Year		n Annual age	Funding	Minimu Us	Funding			
	Miles	Gallons	Amount	Miles	Gallons	Amount		
	7,000	700	\$1,000	5,000	800	\$1,000		
	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		
2002 and older	31,000	3,100	\$5,000	20,000	3,200	\$5,000		
2002 and older	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		
	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		
2003-2006	44,000 53,000	4,300	\$5,000	28,000 33,000	4,400 5,200	\$5,000		
	61,000	5,200 6,000	\$6,000 \$7,000	38,000	6,000	\$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

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, 2017

0.20 g/bhp-hr NOx Standard or

• Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE ONLY)

0.50 g/bhp-hr NOx Standard or

NEW REPLACEMENT

	J	Cleaner		Cleaner				
Engine Model Year	Minimun Usa		Funding Amount		m Annual sage	Funding Amount		
	Miles	Gallons	Amount	Miles	Gallons	Amount		
1999	24,000	2,300	\$5,000	26,000	2,500	\$5,000		
No Truck and Bus Regulatory	48,000	4,600	\$10,000	51,000	5,000	\$10,000		
compliance due before	71,000	6,900	\$15,000					
January 1, <mark>2019</mark>	95,000	9,200	\$20,000					
<mark>2000-2002</mark>	12,000	1,200	\$5,000	13,000	1,300	\$5,000		
No Truck and Bus Regulatory	24,000	2,400	\$10,000	26,000	2,500	\$10,000		
compliance due before January 1, 2020	36,000	3,500	\$15,000					
3411441 y 1, 2020	48,000	4,700	\$20,000					
2003	20,000	1,900	\$5,000					
No Truck and Bus Regulatory	39,000	3,800	\$10,000					
compliance due before	58,000	5,600	\$15,000					
January 1, 2020	77,000	7,500	\$20,000					
2004-2006	13,000	1,300	\$5,000					
No Truck and Bus Regulatory	26,000	2,500	\$10,000					
compliance due before	39,000	3,800	\$15,000	1				
January 1, <mark>2021</mark>	52,000	5,000	\$20,000	1				
		USED REP	LACEMENT					
	0.20 g/bh	p-hr NOx St	andard or	0.50 g/b	hp-hr NOx S	tandard or		
		Cleaner		Cleaner				
Engine Model Year	Minimun Usa		Funding	o l ligane		Funding		
	Miles	Gallons	Amount	Miles	Gallons	Amount		
1999 No Truck and Bus Regulatory	24,000	2,300	\$5,000	26,000	2,500	\$5,000		
compliance due before January 1, <mark>2019</mark>	48,000	4,600	\$10,000					
2000-2002 No Truck and Bus Regulatory	12,000	1,200	\$5,000	13,000	1,300	\$5,000		
compliance due before January 1, <mark>2020</mark>	24,000	2,400	\$10,000					
2003 No Truck and Bus Regulatory	20,000	1,900	\$5,000					
compliance due before January 1, 2020	39,000	3,800	\$10,000					
2004-2006 No Truck and Bus Regulatory	13,000	1,300	\$5,000					
compliance due before January 1, 2021	26,000	2,500	\$10,000					

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, 2017
- No Truck and Bus Regulatory 2010 std. compliance date before January 1, 2021
- Must show current compliance and reported TRUCRS compliance option (ENGINE MODEL YEAR SCHEDULE NOT ELIGIBLE)

(LINGINE MODEL II	-AIT GOITED	OLL NO! LL	OIDEE)				
		NEW REP	LACEMENT				
	0.20 g/bł	np-hr NOx St Cleaner	andard or	0.50 g/k	hp-hr NOx St Cleaner	tandard or	
Engine Model Year		n Annual age	Funding Amount	Minimu Us	Funding Amount		
	Miles	Gallons	Amount	Miles	Gallons	Amount	
	9,000	900	\$5,000	9,000	1,000	\$5,000	
<u><</u> 1990	17,000	1,700	\$10,000	18,000	1,900	\$10,000	
<u><</u> 1990	25,000	2,600	\$15,000				
	33,000	3,400	\$20,000				
1991-1998	12,000	1,200	\$5,000	14,000	1,300	\$5,000	
1991-1990	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	LACEMENT				
	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 Fui		
	Miles	Gallons	Amount	Miles	Gallons	Amount	
≤ 1990	9,000	900	\$5,000	9,000	1,000	\$5,000	
<u><</u> 1990	17,000	1,700	\$10,000				
1001 1009	12,000	1,200	\$5,000	14,000	1,300	\$5,000	
1991-1998	24,000	2,400	\$10,000				

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

- Fleets of 1-10 trucks
- Replacement vehicles delivered and post inspected by December 31, 2017
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE ONLY)

	NEW REPLACEMENT											
			ard or Cleaner			ard or Cleaner						
Engine Model Year		Minimum Annual Usage			nnual Usage	Funding						
	Miles	Gallons	Amount	Miles	Gallons	Amount						
1999 2	48,000	4,600	\$10,000	51,000	5,000	\$10,000						
No Truck and Bus Regulatory compliance due before	71,000	6,900	\$15,000	76,000	7,400	\$15,000						
January 1, <mark>2019</mark>	95,000	9,200	\$20,000									
2000-2002	24,000	2,400	\$10,000	26,000	2,500	\$10,000						
No Truck and Bus Regulatory	36,000	3,500	\$15,000	39,000	3,800	\$15,000						
compliance due before January 1, <mark>2020</mark>	48,000	4,700	\$20,000									
dandary 1, 2020	60,000	5,800	\$25,000									
2002	39,000	3,800	\$10,000									
2003 No Truck and Bus Regulatory	58,000	5,600	\$15,000									
compliance due before January 1, 2020	77,000	7,500	\$20,000									
dandary 1, 2020	96,000	9,300	\$25,000									
2004 2002	26,000	2,500	\$10,000									
<mark>2004-2006</mark> No Truck and Bus Regulatory	39,000	3,800	\$15,000									
compliance due before January 1, <mark>2021</mark>	52,000	5,000	\$20,000									
January 1, 2021	65,000	6,300	\$25,000									

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, 2017
- Fleet must be compliant; TRUCRS or applicable compliance documentation in Section C.1.(C) (ENGINE MODEL YEAR SCHEDULE ONLY)

	USED REPLACEMENT										
					hp-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			
1999 No Truck and Bus Regulatory	48,000	4,600	\$10,000	51,000	5,000	\$10,000	62,000	6,000	\$10,000		
compliance due before January 1, 2019	71,000	6,900	\$15,000								
2000-2002 No Truck and Bus Regulatory	24,000	2,400	\$10,000	26,000	2,500	\$10,000	31,000	3,100	\$10,000		
compliance due before January 1, <mark>2020</mark>	36,000	3,500	\$15,000								
2003 No Truck and Bus Regulatory	39,000	3,800	\$10,000								
compliance due before January 1, 2020	58,000	5,600	\$15,000								
2004-2006 No Truck and Bus Regulatory	26,000	2,500	\$10,000								
compliance due before January 1, 2021	39,000	3,800	\$15,000								

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, 2021
- Replacement Vehicles Delivered and Post-inspected by December 31, 2017
- MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE (Engine Model Year Schedule eligible if truck is filtered. Applicants with Longview filters may require higher minimum usages than shown. Please contact district.)

NEW REPLACEMENT

Engine	0.20 g/bhp-l	nr NOx Standa	ırd or Cleaner	0.50 g/bhp-hr NOx Standard or Cleaner				
Model		nnual Usage	Funding	Minimum Ann		Funding		
Year	Miles	Gallons	Amount	Miles	Gallons	Amount		
	17,000	1,700	\$10,000	18,000	1,900	\$10,000		
	25,000	2,600	\$15,000	27,000	2,800	\$15,000		
<= 1990	33,000	3,400	\$20,000	36,000	3,700	\$20,000		
\= 1990	41,000	4,200	\$25,000	44,000	4,600	\$25,000		
	49,000	5,100	\$30,000					
	58,000	5,900	\$35,000					
	23,000	2,300	\$10,000	26,000	2,500	\$10,000		
	35,000	3,400	\$15,000	38,000	3,700	\$15,000		
1991-1993	46,000	4,500	\$20,000	51,000	4,900	\$20,000		
1991-1993	57,000	5,600	\$25,000	63,000	6,200	\$25,000		
	69,000	6,700	\$30,000					
	80,000	7,800	\$35,000					
	24,000	2,400	\$10,000	27,000	2,600	\$10,000		
	36,000	3,500	\$15,000	40,000	3,900	\$15,000		
1994-2002	48,000	4,700	\$20,000	53,000	5,200	\$20,000		
1994-2002	60,000	5,800	\$25,000	67,000	6,500	\$25,000		
	72,000	7,000	\$30,000					
	83,000	8,100	\$35,000					
	38,000	3,700	\$10,000					
2003-2006	57,000	5,500	\$15,000					
2003-2000	75,000	7,300	\$20,000					
	94,000	9,100	\$25,000					

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, 2021
- Replacement Vehicles Delivered and Post-inspected by December 31, 2017
- MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE (Engine Model Year Schedule eligible if truck is filtered. Applicants with Longview filters may require higher minimum usages than shown. Please contact district.)

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

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, 2021
- Replacement vehicles delivered and post inspected by December 31, 2017
- MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE (Engine Model Year Schedule eligible if truck is filtered. Applicants with Longview filters may require higher minimum usages than shown. Please contact district.)

	WII. I lease contac	,	NEW REPLACEMEN	IT		
En vivo Model	0.20 g/bł	p-hr NOx Standard	or Cleaner	0.50 g/b	hp-hr NOx Standard	or Cleaner
Engine Model Year	Minimum Ar	nual Usage	Francisco America	Minimum A	nnual Usage	Funding Amount
rear	Miles	Gallons	Funding Amount	Miles	Gallons	Funding Amount
	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
<= 1990	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			
	14,000	2,200	\$10,000	15,000	2,400	\$10,000
I	20,000	3,300	\$15,000	22,000	3,600	\$15,000
4004 4002	27,000	4,300	\$20,000	30,000	4,800	\$20,000
	34,000	5,400	\$25,000	37,000	6,000	\$25,000
1991-1993	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			
	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
1994-2002	35,000	5,500	\$25,000	39,000	6,100	\$25,000
1994-2002	42,000	6,600	\$30,000	47,000	7,300	\$30,000
	49,000	7,700	\$35,000	54,000	8,500	\$35,000
<u>_</u>	56,000	8,700	\$40,000			
	63,000	9,800	\$45,000			
	22,000	3,500	\$10,000			
	33,000	5,200	\$15,000			
	44,000	6,900	\$20,000			
2003-2006	55,000	8,700	\$25,000			
2003-2000	66,000	10,400	\$30,000			
	77,000	12,100	\$35,000			
	88,000	13,800	\$40,000			
	99,000	15,600	\$45,000			

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, 2021
- Replacement vehicles delivered and post inspected by December 31, 2017
- MUST SHOW CURRENT COMPLIANCE AND REPORTED TRUCRS COMPLIANCE OPTION, IF APPLICABLE
- (Engine Model Year Schedule eligible if truck is filtered. Applicants with Longview filters may require higher minimum usages than shown. Please contact district.)

	USED REPLACEMENT										
Engine	0.20 g/bhp-h	r NOx Standar	d or Cleaner	0.50 g/bhp-hr NOx Standard or Cleaner			1.20 g/bhp-hr NOx Standard or Cleaner				
Model Year	Minimum Annual Usage		Funding	Minimum Annual Usage		Funding	Minimum Annual Usage		Funding		
	Miles	Gallons	Amount	Miles	Gallons	Amount	Miles	Gallons	Amount		
	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		
- 1000	23,000	3,800	\$20,000	25,000	4,100	\$20,000	31,000	5,200	\$20,000		
<= 1990	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								
	14,000	2,200	\$10,000	15,000	2,400	\$10,000	20,000	3,200	\$10,000		
1001 1000	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		
1991-1993	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								
	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		
1994-2002	28,000	4,400	\$20,000	31,000	4,900	\$20,000	42,000	6,500	\$20,000		
1994-2002	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								
	22,000	3,500	\$10,000								
	33,000	5,200	\$15,000								
2003-2006	44,000	6,900	\$20,000								
2000 2000	55,000	8,700	\$25,000								
	66,000	10,400	\$30,000								
	77,000	12,100	\$35,000								