

**Appendix O**  
**Off-Road VIP Funding Matrix**

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Provided at ARB workshop: January 11, 2011

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 25-49 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Interim	600	\$2,500
	700	\$3,000
	800	\$3,000
	900	\$3,500
	1000	\$4,000
	1100	\$4,500
	1200	\$5,000
	1300	\$5,500
	1400	\$6,000
	1500	\$6,500
	1600	\$6,500
	1700	\$7,000
	1800	\$7,500
	1900	\$8,000
	2000	\$8,500
2100	\$9,000	
2200	\$9,500	
2300	\$10,000	
Tier 4 Final	500	\$2,500
	600	\$3,500
	700	\$4,000
	800	\$4,500
	900	\$5,000
	1000	\$5,500
	1100	\$6,000
	1200	\$7,000
	1300	\$7,500
	1400	\$8,000
	1500	\$8,500
	1600	\$9,000
1700	\$9,500	
1800	\$10,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 50-74 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	600	\$5,000
	700	\$6,000
	800	\$7,000
	900	\$8,000
	1000	\$8,500
	1100	\$9,500
	1200	\$10,500
	1300	\$11,500
	1400	\$12,000
	1500	\$13,000
	1600	\$14,000
	1700	\$15,000
	1800	\$16,000
	1900	\$16,500
	2000	\$17,500
2100	\$18,500	
2200	\$19,500	
2300	\$20,000	

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<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 50-74 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Interim	500	\$5,000
	600	\$6,000
	700	\$7,000
	800	\$8,000
	900	\$9,000
	1000	\$10,000
	1100	\$11,000
	1200	\$12,000
	1300	\$13,000
	1400	\$14,000
	1500	\$15,000
	1600	\$16,000
	1700	\$17,000
	1800	\$18,000
1900	\$19,000	
2000	\$20,000	
Tier 4 Final	500	\$5,500
	600	\$6,500
	700	\$8,000
	800	\$9,000
	900	\$10,000
	1000	\$11,500
	1100	\$12,500
	1200	\$13,500
	1300	\$14,500
	1400	\$16,000
	1500	\$17,000
1600	\$18,000	
1700	\$19,500	
1800	\$20,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 75-100 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	600	\$8,000
	700	\$9,000
	800	\$10,500
	900	\$12,000
	1000	\$13,000
	1100	\$14,500
	1200	\$16,000
	1300	\$17,000
	1400	\$18,500
	1500	\$20,000
	1600	\$21,000
	1700	\$22,500
	1800	\$24,000
	1900	\$25,000
	2000	\$26,500
2100	\$28,000	
2200	\$29,000	
2300	\$30,000	
Tier 4 Phase-Out	500	\$8,500
	600	\$10,000
	700	\$12,000
	800	\$13,500
	900	\$15,500
	1000	\$17,000
	1100	\$18,500
	1200	\$20,500
	1300	\$22,000
	1400	\$24,000
	1500	\$25,500
	1600	\$27,500
1700	\$29,000	
1800	\$30,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 75-100 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-In or Alternate NOx	500	\$8,500
	600	\$10,500
	700	\$12,500
	800	\$14,000
	900	\$16,000
	1000	\$17,500
	1100	\$19,500
	1200	\$21,500
	1300	\$23,000
	1400	\$25,000
	1500	\$26,500
	1600	\$28,500
	1700	\$30,000
Tier 4 Final	400	\$7,500
	500	\$9,500
	600	\$11,500
	700	\$13,500
	800	\$15,500
	900	\$17,500
	1000	\$19,500
	1100	\$21,500
	1200	\$23,500
	1300	\$25,500
	1400	\$27,500
1500	\$29,500	
1600	\$30,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 100-124 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	500	\$10,000
	600	\$12,000
	700	\$14,000
	800	\$16,500
	900	\$18,500
	1000	\$20,500
	1100	\$22,500
	1200	\$24,500
	1300	\$26,500
	1400	\$28,500
	1500	\$31,000
	1600	\$33,000
	1700	\$35,000
	1800	\$37,000
1900	\$39,000	
2000	\$40,000	
Tier 4 Phase-Out	500	\$11,500
	600	\$14,000
	700	\$16,500
	800	\$18,500
	900	\$21,000
	1000	\$23,500
	1100	\$25,500
	1200	\$28,000
	1300	\$30,500
	1400	\$33,000
	1500	\$35,000
1600	\$37,500	
1700	\$40,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 100-124 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-In or Alternate NOx	500	\$11,500
	600	\$14,000
	700	\$16,500
	800	\$19,000
	900	\$21,500
	1000	\$23,500
	1100	\$26,000
	1200	\$28,500
	1300	\$31,000
	1400	\$33,500
	1500	\$35,500
	1600	\$38,000
	1700	\$40,000
Tier 4 Final	400	\$10,500
	500	\$13,000
	600	\$15,500
	700	\$18,500
	800	\$21,000
	900	\$23,500
	1000	\$26,500
	1100	\$29,000
	1200	\$31,500
	1300	\$34,500
	1400	\$37,000
1500	\$39,500	
1600	\$40,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 125-149 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	700	\$11,000
	800	\$13,000
	900	\$14,500
	1000	\$16,000
	1100	\$17,500
	1200	\$19,500
	1300	\$21,000
	1400	\$22,500
	1500	\$24,000
	1600	\$26,000
	1700	\$27,500
	1800	\$29,000
	1900	\$31,000
	2000	\$32,500
	2100	\$34,000
	2200	\$35,500
	2300	\$37,500
	2400	\$39,000
	2500	\$40,500
	2600	\$42,000
2700	\$44,000	
2800	\$45,500	
2900	\$47,000	
3000	\$48,500	
3100	\$50,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 125-149 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-Out	500	\$10,000
	600	\$12,000
	700	\$14,000
	800	\$16,000
	900	\$18,000
	1000	\$20,000
	1100	\$22,000
	1200	\$24,000
	1300	\$26,000
	1400	\$28,000
	1500	\$30,000
	1600	\$32,000
	1700	\$34,000
	1800	\$36,000
	1900	\$38,000
	2000	\$40,000
	2100	\$42,000
2200	\$44,000	
2300	\$46,500	
2400	\$48,000	
2500	\$50,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 125-149 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-In or Alternate NOx	500	\$10,000
	600	\$12,000
	700	\$14,000
	800	\$16,000
	900	\$18,000
	1000	\$20,000
	1100	\$22,000
	1200	\$24,500
	1300	\$26,500
	1400	\$28,500
	1500	\$30,500
	1600	\$32,500
	1700	\$34,500
	1800	\$36,500
	1900	\$38,500
	2000	\$40,500
	2100	\$42,500
2200	\$44,500	
2300	\$46,500	
2400	\$49,000	
2500	\$50,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 125-149 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Final	500	\$11,500
	600	\$14,000
	700	\$16,500
	800	\$19,000
	900	\$21,000
	1000	\$23,500
	1100	\$26,000
	1200	\$28,500
	1300	\$30,500
	1400	\$33,000
	1500	\$35,500
	1600	\$38,000
	1700	\$40,000
	1800	\$42,500
	1900	\$45,000
	2000	\$47,500
2100	\$49,500	
2200	\$50,000	

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<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	600	\$11,500
	700	\$13,500
	800	\$15,500
	900	\$17,500
	1000	\$19,500
	1100	\$21,500
	1200	\$23,500
	1300	\$25,000
	1400	\$27,000
	1500	\$29,000
	1600	\$31,000
	1700	\$33,000
	1800	\$35,000
	1900	\$37,000
	2000	\$39,000
	2100	\$41,000
	2200	\$43,000
	2300	\$45,000
	2400	\$47,000
	2500	\$48,500
2600	\$50,500	
2700	\$52,500	
2800	\$54,500	
2900	\$56,500	
3000	\$58,500	
3100	\$60,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-Out	500	\$12,000
	600	\$14,000
	700	\$16,500
	800	\$19,000
	900	\$21,500
	1000	\$24,000
	1100	\$26,000
	1200	\$28,500
	1300	\$31,000
	1400	\$33,500
	1500	\$36,000
	1600	\$38,000
	1700	\$40,500
	1800	\$43,500
	1900	\$45,500
	2000	\$48,000
	2100	\$50,000
2200	\$52,500	
2300	\$55,000	
2400	\$57,500	
2500	\$60,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-In or Alternate NOx	500	\$12,000
	600	\$14,500
	700	\$17,000
	800	\$19,500
	900	\$22,000
	1000	\$24,500
	1100	\$26,500
	1200	\$29,000
	1300	\$31,500
	1400	\$34,000
	1500	\$36,500
	1600	\$39,000
	1700	\$41,500
	1800	\$44,000
	1900	\$46,500
	2000	\$49,000
	2100	\$51,000
2200	\$53,500	
2300	\$56,000	
2400	\$58,500	
2500	\$60,000	

<b>VIP Replacement Funding Matrix – Construction Tractor/Loader/Backhoe 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Final	400	\$11,000
	500	\$14,000
	600	\$17,000
	700	\$19,500
	800	\$22,500
	900	\$25,500
	1000	\$28,500
	1100	\$31,000
	1200	\$34,000
	1300	\$37,000
	1400	\$39,500
	1500	\$42,500
	1600	\$45,500
	1700	\$48,000
	1800	\$51,000
	1900	\$54,000
	2000	\$57,000
2100	\$59,500	
2200	\$60,000	

<b>VIP Replacement Funding Matrix – Agricultural Tractor 25-49 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Interim	300	\$2,000
	400	\$3,000
	500	\$4,000
	600	\$4,500
	700	\$5,500
	800	\$6,500
	900	\$7,000
	1000	\$7,500
Tier 4 Final	200	\$2,000
	300	\$3,000
	400	\$4,000
	500	\$5,500
	600	\$6,500
	700	\$7,500

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<b>VIP Replacement Funding Matrix – Agricultural Tractor 50-74 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	300	\$5,000
	400	\$6,500
	500	\$8,000
	600	\$10,000
	700	\$11,500
	800	\$13,000
	900	\$15,000
Tier 4 Interim	300	\$5,500
	400	\$7,500
	500	\$9,000
	600	\$11,000
	700	\$13,000
	800	\$15,000
Tier 4 Final	200	\$4,000
	300	\$6,500
	400	\$8,500
	500	\$10,500
	600	\$13,000
	700	\$15,000

<b>VIP Replacement Funding Matrix – Agricultural Tractor 75-100 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	200	\$5,000
	300	\$7,500
	400	\$10,000
	500	\$12,500
	600	\$15,000
	700	\$17,500
	800	\$20,000
	900	\$22,500
Tier 4 Phase-Out	200	\$6,500
	300	\$9,500
	400	\$13,000
	500	\$16,000
	600	\$19,500
	700	\$22,500
Tier 4 Phase-In or Alternate NOx	200	\$6,500
	300	\$10,000
	400	\$13,500
	500	\$16,500
	600	\$20,000
	700	\$22,500
Tier 4 Final	200	\$7,500
	300	\$11,000
	400	\$15,000
	500	\$18,500
	600	\$22,500

<b>VIP Replacement Funding Matrix – Agricultural Tractor 100-124 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	200	\$7,000
	300	\$10,500
	400	\$14,000
	500	\$17,500
	600	\$21,000
	700	\$24,500
	800	\$28,000
	900	\$30,000
Tier 4 Phase-Out	200	\$8,500
	300	\$13,000
	400	\$17,500
	500	\$22,000
	600	\$26,500
	700	\$30,000
Tier 4 Phase-In or Alternate NOx	200	\$9,000
	300	\$13,500
	400	\$18,000
	500	\$22,500
	600	\$27,000
	700	\$30,000
Tier 4 Final	200	\$10,000
	300	\$15,000
	400	\$20,000
	500	\$25,000
	600	\$30,000

<b>VIP Replacement Funding Matrix – Agricultural Tractor 125-149 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	300	\$9,000
	400	\$12,000
	500	\$15,000
	600	\$18,500
	700	\$21,500
	800	\$24,500
	900	\$27,500
	1000	\$30,500
	1100	\$33,500
	1200	\$37,000
	1300	\$37,500
Tier 4 Phase-Out	200	\$7,500
	300	\$11,000
	400	\$15,000
	500	\$18,500
	600	\$22,500
	700	\$26,500
	800	\$30,000
	900	\$34,000
	1000	\$37,500
Tier 4 Phase-In or Alternate NOx	200	\$7,500
	300	\$11,500
	400	\$15,000
	500	\$19,000
	600	\$23,000
	700	\$27,000
	800	\$30,500
	900	\$34,500
	1000	\$37,500
Tier 4 Final	200	\$8,500
	300	\$13,000
	400	\$17,500
	500	\$22,000
	600	\$26,500
	700	\$31,000
	800	\$35,500
	900	\$37,500

<b>VIP Replacement Funding Matrix – Agricultural Tractor 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 3	200	\$7,000
	300	\$11,000
	400	\$14,500
	500	\$18,500
	600	\$22,000
	700	\$25,500
	800	\$29,500
	900	\$33,000
	1000	\$37,000
	1100	\$40,500
	1200	\$44,000
	1300	\$45,000
Tier 4 Phase-Out	200	\$9,000
	300	\$13,500
	400	\$18,000
	500	\$22,500
	600	\$27,000
	700	\$31,500
	800	\$36,000
	900	\$40,500
	1000	\$45,000

<b>VIP Replacement Funding Matrix – Agricultural Tractor 150-174 HP</b>		
<b>Replacement Engine</b>	<b>Minimum Annual Usage (Hours)</b>	<b>Funding Amount</b>
Tier 4 Phase-In or Alternate NOx	200	\$9,000
	300	\$13,500
	400	\$18,500
	500	\$23,000
	600	\$27,500
	700	\$32,000
	800	\$37,000
	900	\$41,500
	1000	\$45,000
Tier 4 Final	200	\$10,500
	300	\$16,000
	400	\$21,500
	500	\$26,500
	600	\$32,000
	700	\$37,500
	800	\$43,000
	900	\$45,000

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