

**Appendix O -  
On-Road VIP Funding Matrix for Vehicle  
Replacements**

## Table of Contents

### **Appendix O - On-Road VIP Funding Matrix for Vehicle Replacements ..... O-1**

Heavy-Duty Trucks New Zero-Emission Replacement (Non-Drayage) Light Heavy-Duty (GVWR 14,001 to 19,500 lbs) and Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs)... O-4

Table O-1: MHD/LHD 2010, 2011 and 2012 .....O-5

Table O-2: MHD/LHD 2013-2015 by Odometer Reading .....O-6

Table O-3: MHD/LHD 2016-2019 Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading.....O-6

Table O-4: MHD/LHD 2016-2019 Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading.....O-7

Table O-5: MHD/LHD 2016-2019 Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading.....O-7

Heavy-Duty Trucks New Zero-Emission Replacement (Non-Drayage) Heavy Heavy-Duty (GVWR over 33,000 lbs) ..... O-8

Table O-6: HHD 2010, 2011 and 2012.....O-9

Table O-7: HHD 2013-2015 by Odometer Reading..... O-11

Table O-8: HHD 2016-2019 Baseline Engine Std 0.2 g/bhp-hr by Odometer Reading.O-12

Table O-9: HHD 2016-2019 Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading.O-13

Table O-10: HHD 2016-2019 Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading ..... O-14

Table O-11: HHD 2016-2019 Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading ..... O-15

Heavy-Duty Trucks New Zero-Emission Replacement (Drayage) Light Heavy-Duty (GVWR 14,001 to 19,500 lbs) and Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs)..... O-16

Table O-12: MHD/LHD 2010, 2011 and 2012..... O-17

Table O-13: MHD/LHD 2013-2015 by Odometer Reading..... O-18

Table O-14: MHD/LHD 2016-2019 Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading..... O-19

Table O-15: MHD/LHD 2016-2019 Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading..... O-20

Table O-16: MHD/LHD 2016-2019 Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading..... O-20

Heavy-Duty Trucks New Zero-Emission Replacement (Drayage) Heavy Heavy-Duty (GVWR 33,001 lbs or more) ..... O-21

Table O-17: HHD 2010, 2011 and 2012.....	O-22
Table O-18: HHD 2013-2015 by Odometer Reading .....	O-24
Table O-19: HHD 2016-2019 Baseline Engine Std 0.2 g/bhp-hr by Odometer Reading .....	O-25
Table O-20: HHD 2016-2019 Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading .....	O-26
Table O-21: HHD 2016-2019 Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading .....	O-27
Table O-22: HHD 2016-2019 Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading .....	O-28

**Heavy-Duty Trucks**  
**New Zero-Emission Replacement (Non-Drayage)**  
**Light Heavy-Duty (GVWR 14,001 to 19,500 lbs) and**  
**Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs)**

- Zero-emission replacement will not be used to meet regulatory zero-emission fleet percentage requirement before January 1, 2030.
- Eligible original truck Engine Model Year (EMY) options: Compliant 2019 to 2010.
- Baseline engine standard (std) in grams per brake horsepower hour (g/bhp-hr) Oxides of Nitrogen (NOx)
- Annual usage requirements to determine funding amounts for baselines reported under NOx Exempt Area Extensions may be made available upon request to CARB.
- Use Tables O-12 to O-22 for Zero-Emission Drayage Truck Replacements.
- Replacement vehicle delivered/post-inspected and baseline vehicle delivered to dismantler by December 31, 2026, or later if approved by CARB or granted a manufacturer delay compliance option under the applicable regulation.
- Must show current TRUCRS/DTR or other applicable regulatory compliance documentation.
- If in environmental justice area or community with a priority population (disadvantage community as seen on latest version CalEnviroScreen or low-income community) on the [California Climate Change Investments](https://webmaps.arb.ca.gov/ccimap/) project map (<https://webmaps.arb.ca.gov/ccimap/>):
  - No Funding Cap
  - Fleet size of 1-10 qualifies for up to 95% of eligible costs
  - Fleet size of 11-20 qualifies for up to 90% of eligible costs
- If outside of an environmental justice area or community with a priority population, the Light Heavy-Duty (Gross Vehicle Weight Rating (GVWR) 14,001 to 19,500 lbs) funding cap is up to \$170,000.
- If outside of an environmental justice area or community with a priority population, the Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs) funding cap is up to \$180,000.
- Baseline EMY 2016-2019 NOx certification is specified in parentheses.
- Annual Gallon Usage requirements to determine funding amounts may be made available upon request to CARB.
- Odometer reading in miles in increments of 50,000, 100,000, 200,000, and 400,000 where applicable to align with 2024 Carl Moyer Program Guidelines Appendix D: Tables For Emission Reduction updates to Tables D-2 and D-4.
- Medium-Heavy Duty (MHD) GVWR 19,501 to 33,000 lbs, Light-Heavy Duty (LHD) GVWR 14,001 to 19,500 lbs and Heavy-Heavy Duty (HHD) GVWR over 33,000 lbs.

**Table O-1: MHD/LHD 2010, 2011 and 2012**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2010	6,000	\$20,000
2010	10,000	\$40,000
2010	13,000	\$60,000
2010	16,000	\$80,000
2010	19,000	\$100,000
2010	21,000	\$120,000
2010	23,000	\$140,000
2010	25,000	\$160,000
2010	26,000	\$170,000
2010	27,000	\$180,000
2010	29,000	\$200,000
2010	31,000	\$220,000
2010	32,000	\$240,000
2011	7,000	\$20,000
2011	12,000	\$40,000
2011	15,000	\$60,000
2011	18,000	\$80,000
2011	21,000	\$100,000
2011	24,000	\$120,000
2011	26,000	\$140,000
2011	28,000	\$160,000
2011	29,000	\$170,000
2011	30,000	\$180,000
2011	32,000	\$200,000
2011	34,000	\$220,000
2011	35,000	\$240,000
2012	8,000	\$20,000
2012	12,000	\$40,000
2012	16,000	\$60,000
2012	19,000	\$80,000
2012	22,000	\$100,000
2012	24,000	\$120,000
2012	27,000	\$140,000
2012	29,000	\$160,000
2012	30,000	\$170,000
2012	31,000	\$180,000
2012	33,000	\$200,000
2012	35,000	\$220,000
2012	36,000	\$240,000

**Table O-2: MHD/LHD 2013-2015 by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2013-2015	6,000	6,000	5,000	5,000	\$20,000
2013-2015	8,000	8,000	7,000	6,000	\$40,000
2013-2015	10,000	9,000	8,000	8,000	\$60,000
2013-2015	12,000	11,000	10,000	9,000	\$80,000
2013-2015	13,000	12,000	11,000	10,000	\$100,000
2013-2015	14,000	13,000	12,000	11,000	\$120,000
2013-2015	15,000	14,000	13,000	12,000	\$140,000
2013-2015	16,000	15,000	14,000	12,000	\$160,000
2013-2015	17,000	15,000	14,000	13,000	\$170,000
2013-2015	17,000	16,000	14,000	13,000	\$180,000
2013-2015	18,000	17,000	15,000	14,000	\$200,000
2013-2015	19,000	18,000	16,000	14,000	\$220,000
2013-2015	20,000	18,000	17,000	15,000	\$240,000

**Table O-3: MHD/LHD 2016-2019  
Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	14,000	12,000	11,000	10,000	\$20,000
2016-2019	19,000	18,000	16,000	14,000	\$40,000
2016-2019	24,000	21,000	19,000	17,000	\$60,000
2016-2019	27,000	25,000	22,000	20,000	\$80,000
2016-2019	31,000	28,000	25,000	22,000	\$100,000
2016-2019	33,000	30,000	27,000	25,000	\$120,000
2016-2019	36,000	33,000	29,000	27,000	\$140,000
2016-2019	39,000	35,000	31,000	28,000	\$160,000
2016-2019	40,000	36,000	32,000	29,000	\$170,000
2016-2019	41,000	37,000	33,000	30,000	\$180,000
2016-2019	43,000	39,000	35,000	32,000	\$200,000
2016-2019	45,000	41,000	37,000	33,000	\$220,000
2016-2019	47,000	43,000	38,000	35,000	\$240,000

**Table O-4: MHD/LHD 2016-2019**  
**Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	15,000	13,000	12,000	11,000	\$20,000
2016-2019	21,000	18,000	17,000	15,000	\$40,000
2016-2019	25,000	23,000	20,000	18,000	\$60,000
2016-2019	29,000	26,000	23,000	21,000	\$80,000
2016-2019	33,000	29,000	26,000	23,000	\$100,000
2016-2019	36,000	32,000	29,000	25,000	\$120,000
2016-2019	38,000	34,000	31,000	27,000	\$140,000
2016-2019	41,000	37,000	33,000	29,000	\$160,000
2016-2019	42,000	38,000	34,000	30,000	\$170,000
2016-2019	44,000	39,000	35,000	31,000	\$180,000
2016-2019	46,000	41,000	37,000	33,000	\$200,000
2016-2019	48,000	43,000	39,000	34,000	\$220,000
2016-2019	50,000	45,000	40,000	36,000	\$240,000

**Table O-5: MHD/LHD 2016-2019**  
**Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Funding Amount</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>
2016-2019	\$20,000	15,000	14,000	12,000	11,000
2016-2019	\$40,000	21,000	19,000	17,000	15,000
2016-2019	\$60,000	26,000	23,000	21,000	18,000
2016-2019	\$80,000	30,000	27,000	24,000	21,000
2016-2019	\$100,000	34,000	30,000	27,000	24,000
2016-2019	\$120,000	37,000	33,000	29,000	26,000
2016-2019	\$140,000	40,000	36,000	32,000	28,000
2016-2019	\$160,000	43,000	38,000	34,000	30,000
2016-2019	\$170,000	44,000	39,000	35,000	31,000
2016-2019	\$180,000	45,000	40,000	36,000	32,000
2016-2019	\$200,000	48,000	43,000	38,000	33,000
2016-2019	\$220,000	50,000	45,000	40,000	35,000
2016-2019	\$240,000	52,000	47,000	41,000	37,000

**Heavy-Duty Trucks**  
**New Zero-Emission Replacement (Non-Drayage)**  
**Heavy Heavy-Duty (GVWR over 33,000 lbs)**

- Zero-emission replacement will not be used to meet regulatory zero-emission fleet percentage requirement before January 1, 2030.
- Eligible original truck Engine Model Year (EMY) options: Compliant 2019 to 2010.
- Baseline engine standard (std) in grams per brake horsepower hour (g/bhp-hr) Oxides of Nitrogen (NOx)
- Annual usage requirements to determine funding amounts for baselines reported under NOx Exempt Area Extensions may be made available upon request to CARB.
- Use Tables O-12 to O-22 for Zero-Emission Drayage Truck Replacements.
- Replacement vehicle delivered/post-inspected and baseline vehicle delivered to dismantler by December 31, 2026, or later if approved by CARB or granted a manufacturer delay compliance option under the applicable regulation.
- Must show current TRUCRS/DTR or other applicable regulatory compliance documentation.
- If in environmental justice area or community with a priority population (disadvantage community as seen on latest version CalEnviroScreen or low-income community) on the [California Climate Change Investments](https://webmaps.arb.ca.gov/ccimap/) project map (<https://webmaps.arb.ca.gov/ccimap/>):
  - No Funding Cap
  - Fleet size of 1-10 qualifies for up to 95% of eligible costs
  - Fleet size of 11-20 qualifies for up to 90% of eligible costs
- If outside of an environmental justice area or community with a priority population, the Heavy Heavy-Duty (GVWR over 33,000 lbs) funding cap is up to \$410,000.
- Baseline EMY 2016-2019 NOx certification is specified in parentheses.
- Annual Gallon Usage requirements to determine funding amounts may be made available upon request to CARB.
- Odometer reading in miles in increments of 50,000, 100,000, 200,000, and 400,000 where applicable to align with 2024 Carl Moyer Program Guidelines Appendix D: Tables For Emission Reduction updates to Tables D-2 and D-4.
- Medium-Heavy Duty (MHD) GVWR 19,501 to 33,000 lbs, Light-Heavy Duty (LHD) GVWR 14,001 to 19,500 lbs and Heavy-Heavy Duty (HHD) GVWR over 33,000 lbs.



**Table O-6: HHD 2010, 2011 and 2012**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2010	4,000	\$20,000
2010	8,000	\$40,000
2010	11,000	\$60,000
2010	13,000	\$80,000
2010	16,000	\$100,000
2010	18,000	\$120,000
2010	20,000	\$140,000
2010	22,000	\$160,000
2010	24,000	\$180,000
2010	26,000	\$200,000
2010	27,000	\$220,000
2010	29,000	\$240,000
2010	31,000	\$260,000
2010	32,000	\$280,000
2010	34,000	\$300,000
2010	35,000	\$320,000
2010	37,000	\$340,000
2010	38,000	\$360,000
2010	40,000	\$380,000
2010	41,000	\$400,000
2010	42,000	\$410,000
2010	42,000	\$420,000
2010	44,000	\$440,000
2010	45,000	\$460,000
2010	46,000	\$480,000
2010	47,000	\$500,000
2010	48,000	\$520,000
2011	6,000	\$20,000
2011	10,000	\$40,000
2011	13,000	\$60,000
2011	16,000	\$80,000
2011	19,000	\$100,000
2011	21,000	\$120,000
2011	23,000	\$140,000
2011	26,000	\$160,000
2011	28,000	\$180,000
2011	30,000	\$200,000
2011	32,000	\$220,000
2011	33,000	\$240,000
2011	35,000	\$260,000

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2011	37,000	\$280,000
2011	38,000	\$300,000
2011	40,000	\$320,000
2011	41,000	\$340,000
2011	43,000	\$360,000
2011	44,000	\$380,000
2011	46,000	\$400,000
2011	47,000	\$410,000
2011	47,000	\$420,000
2011	49,000	\$440,000
2011	50,000	\$460,000
2011	51,000	\$480,000
2011	53,000	\$500,000
2011	55,000	\$520,000
2012	6,000	\$20,000
2012	10,000	\$40,000
2012	13,000	\$60,000
2012	16,000	\$80,000
2012	19,000	\$100,000
2012	22,000	\$120,000
2012	24,000	\$140,000
2012	26,000	\$160,000
2012	29,000	\$180,000
2012	31,000	\$200,000
2012	33,000	\$220,000
2012	35,000	\$240,000
2012	36,000	\$260,000
2012	38,000	\$280,000
2012	40,000	\$300,000
2012	41,000	\$320,000
2012	43,000	\$340,000
2012	45,000	\$360,000
2012	46,000	\$380,000
2012	48,000	\$400,000
2012	48,000	\$410,000
2012	49,000	\$420,000
2012	50,000	\$440,000
2012	52,000	\$460,000
2012	53,000	\$480,000
2012	54,000	\$500,000
2012	56,000	\$520,000

**Table O-7: HHD 2013-2015 by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2013-2015	3,000	3,000	3,000	3,000	\$20,000
2013-2015	4,000	4,000	4,000	3,000	\$40,000
2013-2015	5,000	5,000	4,000	4,000	\$60,000
2013-2015	6,000	6,000	5,000	5,000	\$80,000
2013-2015	7,000	6,000	6,000	5,000	\$100,000
2013-2015	7,000	7,000	6,000	6,000	\$120,000
2013-2015	8,000	8,000	7,000	6,000	\$140,000
2013-2015	8,000	8,000	7,000	6,000	\$160,000
2013-2015	9,000	8,000	7,000	7,000	\$180,000
2013-2015	9,000	9,000	8,000	7,000	\$200,000
2013-2015	10,000	9,000	8,000	7,000	\$220,000
2013-2015	10,000	10,000	9,000	8,000	\$240,000
2013-2015	11,000	10,000	9,000	8,000	\$260,000
2013-2015	11,000	10,000	9,000	8,000	\$280,000
2013-2015	11,000	11,000	10,000	9,000	\$300,000
2013-2015	12,000	11,000	10,000	9,000	\$320,000
2013-2015	12,000	12,000	10,000	9,000	\$340,000
2013-2015	12,000	12,000	10,000	9,000	\$360,000
2013-2015	13,000	12,000	11,000	10,000	\$380,000
2013-2015	13,000	12,000	11,000	10,000	\$400,000
2013-2015	13,000	13,000	11,000	10,000	\$410,000
2013-2015	13,000	13,000	11,000	10,000	\$420,000
2013-2015	14,000	13,000	11,000	10,000	\$440,000
2013-2015	14,000	13,000	12,000	11,000	\$460,000
2013-2015	14,000	14,000	12,000	11,000	\$480,000
2013-2015	14,000	14,000	12,000	11,000	\$500,000
2013-2015	15,000	14,000	12,000	11,000	\$520,000

**Table O-8: HHD 2016-2019  
Baseline Engine Std 0.2 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	6,000	5,000	5,000	5,000	\$20,000
2016-2019	8,000	8,000	7,000	7,000	\$40,000
2016-2019	10,000	10,000	9,000	8,000	\$60,000
2016-2019	12,000	11,000	10,000	9,000	\$80,000
2016-2019	13,000	12,000	11,000	10,000	\$100,000
2016-2019	15,000	14,000	12,000	11,000	\$120,000
2016-2019	16,000	15,000	13,000	12,000	\$140,000
2016-2019	17,000	16,000	14,000	13,000	\$160,000
2016-2019	18,000	17,000	15,000	14,000	\$180,000
2016-2019	19,000	17,000	16,000	15,000	\$200,000
2016-2019	20,000	18,000	17,000	15,000	\$220,000
2016-2019	21,000	19,000	18,000	16,000	\$240,000
2016-2019	22,000	20,000	18,000	17,000	\$260,000
2016-2019	22,000	21,000	19,000	17,000	\$280,000
2016-2019	23,000	21,000	20,000	18,000	\$300,000
2016-2019	24,000	22,000	20,000	18,000	\$320,000
2016-2019	25,000	23,000	21,000	19,000	\$340,000
2016-2019	26,000	23,000	21,000	19,000	\$360,000
2016-2019	26,000	24,000	22,000	20,000	\$380,000
2016-2019	27,000	25,000	23,000	21,000	\$400,000
2016-2019	27,000	25,000	23,000	21,000	\$410,000
2016-2019	28,000	25,000	23,000	21,000	\$420,000
2016-2019	28,000	26,000	24,000	22,000	\$440,000
2016-2019	29,000	27,000	24,000	22,000	\$460,000
2016-2019	30,000	27,000	25,000	23,000	\$480,000
2016-2019	30,000	28,000	25,000	23,000	\$500,000
2016-2019	31,000	28,000	26,000	23,000	\$520,000

**Table O-9: HHD 2016-2019  
Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	7,000	6,000	6,000	5,000	\$20,000
2016-2019	10,000	9,000	8,000	7,000	\$40,000
2016-2019	12,000	11,000	10,000	8,000	\$60,000
2016-2019	14,000	13,000	11,000	10,000	\$80,000
2016-2019	15,000	14,000	13,000	11,000	\$100,000
2016-2019	17,000	15,000	14,000	13,000	\$120,000
2016-2019	18,000	17,000	15,000	14,000	\$140,000
2016-2019	20,000	18,000	16,000	14,000	\$160,000
2016-2019	21,000	19,000	17,000	15,000	\$180,000
2016-2019	22,000	20,000	18,000	16,000	\$200,000
2016-2019	23,000	21,000	19,000	17,000	\$220,000
2016-2019	24,000	22,000	20,000	18,000	\$240,000
2016-2019	25,000	23,000	20,000	18,000	\$260,000
2016-2019	26,000	23,000	21,000	19,000	\$280,000
2016-2019	27,000	24,000	22,000	20,000	\$300,000
2016-2019	28,000	25,000	23,000	20,000	\$320,000
2016-2019	28,000	26,000	23,000	21,000	\$340,000
2016-2019	29,000	27,000	24,000	22,000	\$360,000
2016-2019	30,000	27,000	25,000	22,000	\$380,000
2016-2019	31,000	28,000	25,000	23,000	\$400,000
2016-2019	31,000	28,000	26,000	23,000	\$410,000
2016-2019	32,000	29,000	26,000	23,000	\$420,000
2016-2019	32,000	29,000	26,000	24,000	\$440,000
2016-2019	33,000	30,000	27,000	24,000	\$460,000
2016-2019	34,000	31,000	28,000	25,000	\$480,000
2016-2019	35,000	31,000	28,000	25,000	\$500,000
2016-2019	35,000	32,000	29,000	26,000	\$520,000

**Table O-10: HHD 2016-2019  
Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	7,000	7,000	6,000	5,000	\$20,000
2016-2019	10,000	9,000	9,000	8,000	\$40,000
2016-2019	13,000	12,000	10,000	9,000	\$60,000
2016-2019	15,000	13,000	12,000	11,000	\$80,000
2016-2019	17,000	15,000	13,000	12,000	\$100,000
2016-2019	18,000	16,000	15,000	13,000	\$120,000
2016-2019	20,000	18,000	16,000	14,000	\$140,000
2016-2019	21,000	19,000	17,000	15,000	\$160,000
2016-2019	22,000	20,000	18,000	16,000	\$180,000
2016-2019	23,000	21,000	19,000	17,000	\$200,000
2016-2019	24,000	22,000	20,000	17,000	\$220,000
2016-2019	25,000	23,000	20,000	18,000	\$240,000
2016-2019	27,000	24,000	21,000	19,000	\$260,000
2016-2019	28,000	25,000	22,000	20,000	\$280,000
2016-2019	28,000	26,000	23,000	20,000	\$300,000
2016-2019	29,000	26,000	24,000	21,000	\$320,000
2016-2019	30,000	27,000	24,000	22,000	\$340,000
2016-2019	31,000	28,000	25,000	22,000	\$360,000
2016-2019	32,000	29,000	26,000	23,000	\$380,000
2016-2019	33,000	29,000	26,000	23,000	\$400,000
2016-2019	33,000	30,000	27,000	24,000	\$410,000
2016-2019	34,000	30,000	27,000	24,000	\$420,000
2016-2019	34,000	31,000	28,000	25,000	\$440,000
2016-2019	35,000	32,000	28,000	25,000	\$460,000
2016-2019	36,000	32,000	29,000	26,000	\$480,000
2016-2019	37,000	33,000	29,000	26,000	\$500,000
2016-2019	37,000	34,000	30,000	27,000	\$520,000

**Table O-11: HHD 2016-2019  
Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2016-2019	8,000	7,000	6,000	6,000	\$20,000
2016-2019	11,000	10,000	9,000	8,000	\$40,000
2016-2019	13,000	12,000	11,000	10,000	\$60,000
2016-2019	15,000	14,000	12,000	11,000	\$80,000
2016-2019	17,000	15,000	14,000	12,000	\$100,000
2016-2019	19,000	17,000	15,000	13,000	\$120,000
2016-2019	20,000	18,000	16,000	14,000	\$140,000
2016-2019	22,000	19,000	17,000	15,000	\$160,000
2016-2019	23,000	21,000	18,000	16,000	\$180,000
2016-2019	24,000	22,000	19,000	17,000	\$200,000
2016-2019	25,000	23,000	20,000	18,000	\$220,000
2016-2019	27,000	24,000	21,000	19,000	\$240,000
2016-2019	28,000	25,000	22,000	19,000	\$260,000
2016-2019	29,000	26,000	23,000	20,000	\$280,000
2016-2019	30,000	26,000	23,000	21,000	\$300,000
2016-2019	31,000	27,000	24,000	21,000	\$320,000
2016-2019	32,000	28,000	25,000	22,000	\$340,000
2016-2019	33,000	29,000	26,000	23,000	\$360,000
2016-2019	33,000	30,000	26,000	23,000	\$380,000
2016-2019	34,000	30,000	27,000	24,000	\$400,000
2016-2019	35,000	31,000	27,000	24,000	\$410,000
2016-2019	35,000	31,000	28,000	25,000	\$420,000
2016-2019	36,000	32,000	28,000	25,000	\$440,000
2016-2019	37,000	33,000	29,000	26,000	\$460,000
2016-2019	37,000	33,000	30,000	26,000	\$480,000
2016-2019	38,000	34,000	30,000	27,000	\$500,000
2016-2019	39,000	35,000	31,000	27,000	\$520,000

**Heavy-Duty Trucks**  
**New Zero-Emission Replacement (Drayage)**  
**Light Heavy-Duty (GVWR 14,001 to 19,500 lbs) and**  
**Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs)**

- Zero-emission replacement will not be used to meet regulatory zero-emission fleet percentage requirement before January 1, 2030.
- Original truck must not be over 14 years of age and 400,000 miles odometer reading.
- Eligible original truck Engine Model Year (EMY) options: Compliant drayage with EMY 2019 to 2010.
- Baseline engine standard (std) in grams per brake horsepower hour (g/bhp-hr) Oxides of Nitrogen (NOx)
- Annual usage requirements to determine funding amounts for baselines reported under NOx Exempt Area Extensions may be made available upon request to CARB.
- Replacement vehicle delivered/post-inspected and baseline vehicle delivered to dismantler by December 31, 2026, or later if approved by CARB or granted a manufacturer delay compliance option under the applicable regulation.
- Must show current TRUCRS/DTR or other applicable regulatory compliance documentation.
- If in environmental justice area or community with a priority population (disadvantage community as seen on latest version CalEnviroScreen or low-income community) on the [California Climate Change Investments](https://webmaps.arb.ca.gov/ccimap/) project map (<https://webmaps.arb.ca.gov/ccimap/>):
  - No Funding Cap
  - Fleet size of 1-10 qualifies for up to 95% of eligible costs
  - Fleet size of 11-20 qualifies for up to 90% of eligible costs
- If outside of an environmental justice area or community with a priority population, the Light Heavy-Duty (GVWR 14,001 to 19,500 lbs) funding cap is up to \$170,000.
- If outside of an environmental justice area or community with a priority population, the Medium Heavy-Duty (GVWR 19,501 to 33,000 lbs) funding cap is up to \$180,000.
- Baseline EMY 2016-2019 NOx certification is specified in parentheses.
- Annual Gallon Usage requirements to determine funding amounts may be made available upon request to CARB.
- Odometer reading in miles in increments of 50,000, 100,000, 200,000, and 400,000 where applicable to align with 2024 Carl Moyer Program Guidelines Appendix D: Tables For Emission Reduction updates to Tables D-2 and D-4.
- Medium-Heavy Duty (MHD) GVWR 19,501 to 33,000 lbs, Light-Heavy Duty (LHD) GVWR 14,001 to 19,500 lbs and Heavy-Heavy Duty (HHD) GVWR over 33,000 lbs.



**Table O-12: MHD/LHD 2010, 2011 and 2012**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2010	6,000	\$20,000
2010	10,000	\$40,000
2010	13,000	\$60,000
2010	16,000	\$80,000
2010	19,000	\$100,000
2010	21,000	\$120,000
2010	23,000	\$140,000
2010	25,000	\$160,000
2010	26,000	\$170,000
2010	27,000	\$180,000
2010	29,000	\$200,000
2010	31,000	\$220,000
2010	32,000	\$240,000
2011	7,000	\$20,000
2011	12,000	\$40,000
2011	15,000	\$60,000
2011	18,000	\$80,000
2011	21,000	\$100,000
2011	24,000	\$120,000
2011	26,000	\$140,000
2011	28,000	\$160,000
2011	29,000	\$170,000
2011	30,000	\$180,000
2011	32,000	\$200,000
2011	34,000	\$220,000
2011	35,000	\$240,000
2012	8,000	\$20,000
2012	12,000	\$40,000
2012	16,000	\$60,000
2012	19,000	\$80,000
2012	22,000	\$100,000
2012	24,000	\$120,000
2012	27,000	\$140,000
2012	29,000	\$160,000
2012	30,000	\$170,000
2012	31,000	\$180,000
2012	33,000	\$200,000
2012	35,000	\$220,000
2012	36,000	\$240,000

**Table O-13: MHD/LHD 2013-2015 by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Minimum Annual Miles Usage (400,000)</b>	<b>Funding Amount</b>
2013-2015	6,000	6,000	5,000	5,000	\$20,000
2013-2015	8,000	8,000	7,000	6,000	\$40,000
2013-2015	10,000	9,000	8,000	8,000	\$60,000
2013-2015	12,000	11,000	10,000	9,000	\$80,000
2013-2015	13,000	12,000	11,000	10,000	\$100,000
2013-2015	14,000	13,000	12,000	11,000	\$120,000
2013-2015	15,000	14,000	13,000	12,000	\$140,000
2013-2015	16,000	15,000	14,000	12,000	\$160,000
2013-2015	17,000	15,000	14,000	13,000	\$170,000
2013-2015	17,000	16,000	14,000	13,000	\$180,000
2013-2015	18,000	17,000	15,000	14,000	\$200,000
2013-2015	19,000	18,000	16,000	14,000	\$220,000
2013-2015	20,000	18,000	17,000	15,000	\$240,000

**Table O-14: MHD/LHD 2016-2019  
Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	14,000	12,000	11,000	\$20,000
2016-2019	19,000	18,000	16,000	\$40,000
2016-2019	24,000	21,000	19,000	\$60,000
2016-2019	27,000	25,000	22,000	\$80,000
2016-2019	31,000	28,000	25,000	\$100,000
2016-2019	33,000	30,000	27,000	\$120,000
2016-2019	36,000	33,000	29,000	\$140,000
2016-2019	39,000	35,000	31,000	\$160,000
2016-2019	40,000	36,000	32,000	\$170,000
2016-2019	41,000	37,000	33,000	\$180,000
2016-2019	43,000	39,000	35,000	\$200,000
2016-2019	45,000	41,000	37,000	\$220,000
2016-2019	47,000	43,000	38,000	\$240,000

**Table O-15: MHD/LHD 2016-2019  
Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	15,000	13,000	12,000	\$20,000
2016-2019	21,000	18,000	17,000	\$40,000
2016-2019	25,000	23,000	20,000	\$60,000
2016-2019	29,000	26,000	23,000	\$80,000
2016-2019	33,000	29,000	26,000	\$100,000
2016-2019	36,000	32,000	29,000	\$120,000
2016-2019	38,000	34,000	31,000	\$140,000
2016-2019	41,000	37,000	33,000	\$160,000
2016-2019	42,000	38,000	34,000	\$170,000
2016-2019	44,000	39,000	35,000	\$180,000
2016-2019	46,000	41,000	37,000	\$200,000
2016-2019	48,000	43,000	39,000	\$220,000
2016-2019	50,000	45,000	40,000	\$240,000

**Table O-16: MHD/LHD 2016-2019  
Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	15,000	12,000	14,000	\$20,000
2016-2019	21,000	17,000	19,000	\$40,000
2016-2019	26,000	21,000	23,000	\$60,000
2016-2019	30,000	24,000	27,000	\$80,000
2016-2019	34,000	27,000	30,000	\$100,000
2016-2019	37,000	29,000	33,000	\$120,000
2016-2019	40,000	32,000	36,000	\$140,000
2016-2019	43,000	34,000	38,000	\$160,000
2016-2019	44,000	35,000	39,000	\$170,000
2016-2019	45,000	36,000	40,000	\$180,000
2016-2019	48,000	38,000	43,000	\$200,000
2016-2019	50,000	40,000	45,000	\$220,000
2016-2019	52,000	41,000	47,000	\$240,000

**Heavy-Duty Trucks**  
**New Zero-Emission Replacement (Drayage)**  
**Heavy Heavy-Duty (GVWR 33,001 lbs or more)**

- Zero-emission (ZE) replacement will not be used to meet any regulatory zero-emission fleet percentage requirement before January 1, 2030.
- Original truck must not be over 14 years of age and 400,000 miles odometer reading.
- Eligible Engine Model Year (EMY) options: Compliant drayage truck with EMY 2019 to 2010.
- Baseline engine standard (std) in grams per brake horsepower hour (g/bhp-hr) Oxides of Nitrogen (NOx)
- Annual usage requirements to determine funding amounts for baselines reported under NOx Exempt Area Extensions may be made available upon request to CARB.
- Replacement vehicle delivered/post-inspected and baseline vehicle delivered to dismantler by December 31, 2026, or later if approved by CARB or granted a manufacturer delay compliance option under the applicable regulation.
- Must show current TRUCRS/DTR or other applicable regulatory compliance documentation.
- If in environmental justice area or community with a priority population (disadvantage community as seen on latest version CalEnviroScreen or low-income community) on the [California Climate Change Investments](https://webmaps.arb.ca.gov/ccimap/) project map (<https://webmaps.arb.ca.gov/ccimap/>):
  - No Funding Cap
  - Fleet size of 1-10 qualifies for up to 95% of eligible costs
  - Fleet size of 11-20 qualifies for up to 90% of eligible costs
- If outside of an environmental justice area or community with a priority population, the Heavy Heavy-Duty (GVWR over 33,000 lbs) funding cap is up to \$410,000.
- Baseline EMY 2016-2019 NOx certification is specified in parentheses.
- Annual Gallon Usage requirements to determine funding amounts may be made available upon request to CARB.
- Odometer reading in miles in increments of 50,000, 100,000, 200,000, and 400,000 where applicable to align with 2024 Carl Moyer Program Guidelines Appendix D: Tables For Emission Reduction updates to Tables D-2 and D-4.
- Medium-Heavy Duty (MHD) GVWR 19,501 to 33,000 lbs, Light-Heavy Duty (LHD) GVWR 14,001 to 19,500 lbs and Heavy-Heavy Duty (HHD) GVWR over 33,000 lbs.

**Table O-17: HHD 2010, 2011 and 2012**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2010	4,000	\$20,000
2010	8,000	\$40,000
2010	11,000	\$60,000
2010	13,000	\$80,000
2010	16,000	\$100,000
2010	18,000	\$120,000
2010	20,000	\$140,000
2010	22,000	\$160,000
2010	24,000	\$180,000
2010	26,000	\$200,000
2010	27,000	\$220,000
2010	29,000	\$240,000
2010	31,000	\$260,000
2010	32,000	\$280,000
2010	34,000	\$300,000
2010	35,000	\$320,000
2010	37,000	\$340,000
2010	38,000	\$360,000
2010	40,000	\$380,000
2010	41,000	\$400,000
2010	42,000	\$410,000
2010	42,000	\$420,000
2010	44,000	\$440,000
2010	45,000	\$460,000
2010	46,000	\$480,000
2010	47,000	\$500,000
2010	48,000	\$520,000
2011	6,000	\$20,000
2011	10,000	\$40,000
2011	13,000	\$60,000
2011	16,000	\$80,000
2011	19,000	\$100,000
2011	21,000	\$120,000
2011	23,000	\$140,000
2011	26,000	\$160,000
2011	28,000	\$180,000
2011	30,000	\$200,000
2011	32,000	\$220,000
2011	33,000	\$240,000
2011	35,000	\$260,000

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage</b>	<b>Funding Amount</b>
2011	37,000	\$280,000
2011	38,000	\$300,000
2011	40,000	\$320,000
2011	41,000	\$340,000
2011	43,000	\$360,000
2011	44,000	\$380,000
2011	46,000	\$400,000
2011	47,000	\$410,000
2011	47,000	\$420,000
2011	49,000	\$440,000
2011	50,000	\$460,000
2011	51,000	\$480,000
2011	53,000	\$500,000
2011	55,000	\$520,000
2012	6,000	\$20,000
2012	10,000	\$40,000
2012	13,000	\$60,000
2012	16,000	\$80,000
2012	19,000	\$100,000
2012	22,000	\$120,000
2012	24,000	\$140,000
2012	26,000	\$160,000
2012	29,000	\$180,000
2012	31,000	\$200,000
2012	33,000	\$220,000
2012	35,000	\$240,000
2012	36,000	\$260,000
2012	38,000	\$280,000
2012	40,000	\$300,000
2012	41,000	\$320,000
2012	43,000	\$340,000
2012	45,000	\$360,000
2012	46,000	\$380,000
2012	48,000	\$400,000
2012	48,000	\$410,000
2012	49,000	\$420,000
2012	50,000	\$440,000
2012	52,000	\$460,000
2012	53,000	\$480,000
2012	54,000	\$500,000
2012	56,000	\$520,000

**Table O-18: HHD 2013-2015 by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2013-2015	3,000	3,000	3,000	\$20,000
2013-2015	4,000	4,000	4,000	\$40,000
2013-2015	5,000	5,000	4,000	\$60,000
2013-2015	6,000	6,000	5,000	\$80,000
2013-2015	7,000	6,000	6,000	\$100,000
2013-2015	7,000	7,000	6,000	\$120,000
2013-2015	8,000	8,000	7,000	\$140,000
2013-2015	8,000	8,000	7,000	\$160,000
2013-2015	9,000	8,000	7,000	\$180,000
2013-2015	9,000	9,000	8,000	\$200,000
2013-2015	10,000	9,000	8,000	\$220,000
2013-2015	10,000	10,000	9,000	\$240,000
2013-2015	11,000	10,000	9,000	\$260,000
2013-2015	11,000	10,000	9,000	\$280,000
2013-2015	11,000	11,000	10,000	\$300,000
2013-2015	12,000	11,000	10,000	\$320,000
2013-2015	12,000	12,000	10,000	\$340,000
2013-2015	12,000	12,000	10,000	\$360,000
2013-2015	13,000	12,000	11,000	\$380,000
2013-2015	13,000	12,000	11,000	\$400,000
2013-2015	13,000	13,000	11,000	\$410,000
2013-2015	13,000	13,000	11,000	\$420,000
2013-2015	14,000	13,000	11,000	\$440,000
2013-2015	14,000	13,000	12,000	\$460,000
2013-2015	14,000	14,000	12,000	\$480,000
2013-2015	14,000	14,000	12,000	\$500,000
2013-2015	15,000	14,000	12,000	\$520,000

**Table O-19: HHD 2016-2019  
Baseline Engine Std 0.2 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	6,000	5,000	5,000	\$20,000
2016-2019	8,000	8,000	7,000	\$40,000
2016-2019	10,000	10,000	9,000	\$60,000
2016-2019	12,000	11,000	10,000	\$80,000
2016-2019	13,000	12,000	11,000	\$100,000
2016-2019	15,000	14,000	12,000	\$120,000
2016-2019	16,000	15,000	13,000	\$140,000
2016-2019	17,000	16,000	14,000	\$160,000
2016-2019	18,000	17,000	15,000	\$180,000
2016-2019	19,000	17,000	16,000	\$200,000
2016-2019	20,000	18,000	17,000	\$220,000
2016-2019	21,000	19,000	18,000	\$240,000
2016-2019	22,000	20,000	18,000	\$260,000
2016-2019	22,000	21,000	19,000	\$280,000
2016-2019	23,000	21,000	20,000	\$300,000
2016-2019	24,000	22,000	20,000	\$320,000
2016-2019	25,000	23,000	21,000	\$340,000
2016-2019	26,000	23,000	21,000	\$360,000
2016-2019	26,000	24,000	22,000	\$380,000
2016-2019	27,000	25,000	23,000	\$400,000
2016-2019	27,000	25,000	23,000	\$410,000
2016-2019	28,000	25,000	23,000	\$420,000
2016-2019	28,000	26,000	24,000	\$440,000
2016-2019	29,000	27,000	24,000	\$460,000
2016-2019	30,000	27,000	25,000	\$480,000
2016-2019	30,000	28,000	25,000	\$500,000
2016-2019	31,000	28,000	26,000	\$520,000



**Table O-20: HHD 2016-2019  
Baseline Engine Std 0.1 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	7,000	6,000	6,000	\$20,000
2016-2019	10,000	9,000	8,000	\$40,000
2016-2019	12,000	11,000	10,000	\$60,000
2016-2019	14,000	13,000	11,000	\$80,000
2016-2019	15,000	14,000	13,000	\$100,000
2016-2019	17,000	15,000	14,000	\$120,000
2016-2019	18,000	17,000	15,000	\$140,000
2016-2019	20,000	18,000	16,000	\$160,000
2016-2019	21,000	19,000	17,000	\$180,000
2016-2019	22,000	20,000	18,000	\$200,000
2016-2019	23,000	21,000	19,000	\$220,000
2016-2019	24,000	22,000	20,000	\$240,000
2016-2019	25,000	23,000	20,000	\$260,000
2016-2019	26,000	23,000	21,000	\$280,000
2016-2019	27,000	24,000	22,000	\$300,000
2016-2019	28,000	25,000	23,000	\$320,000
2016-2019	28,000	26,000	23,000	\$340,000
2016-2019	29,000	27,000	24,000	\$360,000
2016-2019	30,000	27,000	25,000	\$380,000
2016-2019	31,000	28,000	25,000	\$400,000
2016-2019	31,000	28,000	26,000	\$410,000
2016-2019	32,000	29,000	26,000	\$420,000
2016-2019	32,000	29,000	26,000	\$440,000
2016-2019	33,000	30,000	27,000	\$460,000
2016-2019	34,000	31,000	28,000	\$480,000
2016-2019	35,000	31,000	28,000	\$500,000
2016-2019	35,000	32,000	29,000	\$520,000

**Table O-21: HHD 2016-2019**  
**Baseline Engine Std 0.05 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	7,000	7,000	6,000	\$20,000
2016-2019	10,000	9,000	9,000	\$40,000
2016-2019	13,000	12,000	10,000	\$60,000
2016-2019	15,000	13,000	12,000	\$80,000
2016-2019	17,000	15,000	13,000	\$100,000
2016-2019	18,000	16,000	15,000	\$120,000
2016-2019	20,000	18,000	16,000	\$140,000
2016-2019	21,000	19,000	17,000	\$160,000
2016-2019	22,000	20,000	18,000	\$180,000
2016-2019	23,000	21,000	19,000	\$200,000
2016-2019	24,000	22,000	20,000	\$220,000
2016-2019	25,000	23,000	20,000	\$240,000
2016-2019	27,000	24,000	21,000	\$260,000
2016-2019	28,000	25,000	22,000	\$280,000
2016-2019	28,000	26,000	23,000	\$300,000
2016-2019	29,000	26,000	24,000	\$320,000
2016-2019	30,000	27,000	24,000	\$340,000
2016-2019	31,000	28,000	25,000	\$360,000
2016-2019	32,000	29,000	26,000	\$380,000
2016-2019	33,000	29,000	26,000	\$400,000
2016-2019	33,000	30,000	27,000	\$410,000
2016-2019	34,000	30,000	27,000	\$420,000
2016-2019	34,000	31,000	28,000	\$440,000
2016-2019	35,000	32,000	28,000	\$460,000
2016-2019	36,000	32,000	29,000	\$480,000
2016-2019	37,000	33,000	29,000	\$500,000
2016-2019	37,000	34,000	30,000	\$520,000

**Table O-22: HHD 2016-2019  
Baseline Engine Std 0.02 g/bhp-hr by Odometer Reading**

<b>Engine Model Year</b>	<b>Minimum Annual Miles Usage (50,000)</b>	<b>Minimum Annual Miles Usage (100,000)</b>	<b>Minimum Annual Miles Usage (200,000)</b>	<b>Funding Amount</b>
2016-2019	8,000	7,000	6,000	\$20,000
2016-2019	11,000	10,000	9,000	\$40,000
2016-2019	13,000	12,000	11,000	\$60,000
2016-2019	15,000	14,000	12,000	\$80,000
2016-2019	17,000	15,000	14,000	\$100,000
2016-2019	19,000	17,000	15,000	\$120,000
2016-2019	20,000	18,000	16,000	\$140,000
2016-2019	22,000	19,000	17,000	\$160,000
2016-2019	23,000	21,000	18,000	\$180,000
2016-2019	24,000	22,000	19,000	\$200,000
2016-2019	25,000	23,000	20,000	\$220,000
2016-2019	27,000	24,000	21,000	\$240,000
2016-2019	28,000	25,000	22,000	\$260,000
2016-2019	29,000	26,000	23,000	\$280,000
2016-2019	30,000	26,000	23,000	\$300,000
2016-2019	31,000	27,000	24,000	\$320,000
2016-2019	32,000	28,000	25,000	\$340,000
2016-2019	33,000	29,000	26,000	\$360,000
2016-2019	33,000	30,000	26,000	\$380,000
2016-2019	34,000	30,000	27,000	\$400,000
2016-2019	35,000	31,000	27,000	\$410,000
2016-2019	35,000	31,000	28,000	\$420,000
2016-2019	36,000	32,000	28,000	\$440,000
2016-2019	37,000	33,000	29,000	\$460,000
2016-2019	37,000	33,000	30,000	\$480,000
2016-2019	38,000	34,000	30,000	\$500,000
2016-2019	39,000	35,000	31,000	\$520,000