

**TABLE 2: 2014 - 2027 Medium- and Heavy-Duty Vehicle Emissions Standards**

CO2 grams per ton-mile <sup>1</sup>				2014-16	2017	2021	2024	2027
Combination Tractors	Day Cab	Class 7 26,000-33,000 lbs	Low Roof <120"	107	104	97	90	87
			Mid Roof	119	115	107	100	96
			High Roof >148"	124	120	109	101	96
		Class 8 >33,000 lbs	Low Roof <120"	81	80	78	72	70
			Mid Roof	88	86	84	78	76
			High Roof >148"	92	89	86	79	76
	Sleeper Cab	Class 8 >33,000 lbs	Low Roof <120"	68	66	70	64	62
			Mid Roof	76	73	78	71	69
			High Roof >148"	75	72	77	70	67
				<b>2018-2020</b>	<b>2021-23</b>	<b>2024-26</b>	<b>2027</b>	
Trailers	Dry Box	Long (>50')		83	81	79	77	
		Short (<50')		144	142	141	140	
	Refrigerated Box	Long		84	82	81	80	
		Short		147	146	144	144	
				<b>2014</b>	<b>2017</b>	<b>2021</b>	<b>2024</b>	<b>2027</b>
Vocational Vehicles	CI Engines (Diesel)	Light Heavy Duty (Class 2b - 5) 8,501-19,500 lbs	Urban	388	373	296	284	272
			Multi-purpose			305	292	280
			Regional			318	304	292
		Medium Heavy Duty (Class 6-7) 19,501-33,000 lbs	Urban	234	225	188	179	172
			Multi-purpose			190	181	174
			Regional			186	178	170
		Heavy Heavy Duty (Class 8) >33,000 lbs	Urban	226	222	198	190	182
			Multi-purpose			200	192	183
			Regional			189	182	174
	SI Engines (Gasoline)	Light Heavy Duty (Class 2b - 5) 8,501-19,500 lbs	Urban	388	373	320	312	299
			Multi-purpose			329	321	308
			Regional			343	334	321
		Medium Heavy Duty (Class 6-7) 19,501-33,000 lbs	Urban	234	225	203	197	189
			Multi-purpose			205	199	191
			Regional			201	196	187
		Heavy Heavy Duty (Class 8) >33,000 lbs	Urban	226	222	214	208	196
			Multi-purpose			216	210	198
			Regional			204	199	188
CO2 grams per brake horsepower-hour <sup>2</sup>				<b>2014</b>	<b>2017</b>	<b>2021</b>	<b>2024</b>	<b>2027</b>
Combination Tractor Engine	Medium Heavy Duty			502	487	479	469	466
	Heavy Heavy Duty			475	460	453	443	441
Vocational Diesel Engine	Light Heavy Duty			600	576	565	556	553
	Medium Heavy Duty			600	576	565	556	553
	Heavy Heavy Duty			567	555	544	536	533

Table by Ori Gutin and Paul Haven, Environmental and Energy Study Institute (EESI)

Source: Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium- and Heavy-Duty Engines and Vehicles—Phase 2 [proposed rule]

1. i.e. carrying a one ton load for a mile, 10 ton load for 1/10 of a mile, etc.
2. Brake horsepower (BHP) is the amount of power generated by a motor without taking into consideration any of the various auxiliary components that may slow down the actual speed of the motor. (www.wisegeek.org)