

TABLE 3: 2014 - 2027 Medium- and Heavy-Duty Vehicle Fuel Efficiency Standards								
Gallons of Fuel per 1000 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"	10.5	10.2	9.5285	8.8409	8.5462
			Mid Roof	11.7	11.3	10.5108	9.8232	9.4303
			High Roof >148"	12.2	11.8	10.7073	9.9214	9.4303
		Class 8 >33,000 lbs	Low Roof <120"	8	7.8	7.662	7.0727	6.8762
			Mid Roof	8.7	8.4	8.2515	7.6621	7.4656
			High Roof >148"	9	8.7	8.4479	7.7603	7.4656
	Sleeper Cab	Class 8 >33,000 lbs	Low Roof <120"	6.7	6.5	6.8762	6.2868	6.0904
			Mid Roof	7.4	7.2	7.6621	6.9745	6.778
			High Roof >148"	7.3	7.1	7.5639	6.8762	6.5815
				2018-2020	2021-23	2024-26	2027	
Trailers	Dry Box	Long (>50')		8.1532	7.9568	7.7603	7.5639	
		Short (<50')		14.1454	13.9489	13.8507	13.7525	
	Refrigerated Box	Long		8.2515	8.055	7.9568	7.8585	
		Short		14.4401	14.3418	14.1454	14.1454	
				2016	2017	2021	2024	2027
Vocational Vehicles	CI Engines (Diesel)	Light Heavy Duty (Class 2b - 5) 8,501-19,500 lbs	Urban	38.1	36.7	29.0776	27.8978	26.7191
			Multi-purpose			29.9607	28.6837	27.5049
			Regional			31.2377	29.8625	28.6837
		Medium Heavy Duty (Class 6-7) 19,501-33,000 lbs	Urban	23	22.1	18.4676	17.5835	16.8959
			Multi-purpose			18.466	17.78	17.0923
			Regional			18.2711	17.4853	16.6994
		Heavy Heavy Duty (Class 8) >33,000 lbs	Urban	22.2	21.8	19.4499	18.664	17.8782
			Multi-purpose			19.6464	18.8605	17.9764
			Regional			18.5658	17.8782	17.0923
	SI Engines (Gasoline)	Light Heavy Duty (Class 2b - 5) 8,501-19,500 lbs	Urban	38.1	36.7	36.0077	35.1075	33.6446
			Multi-purpose			37.0204	36.1202	34.6574
			Regional			38.5957	37.583	36.1202
		Medium Heavy Duty (Class 6-7) 19,501-33,000 lbs	Urban	23	22.1	22.8424	22.1672	21.267
			Multi-purpose			23.0674	22.3923	21.4921
			Regional			22.6173	22.0547	21.042
		Heavy Heavy Duty (Class 8) >33,000 lbs	Urban	22.2	21.8	24.0801	23.405	22.0547
			Multi-purpose			24.3052	23.63	22.2797
			Regional			22.9549	22.3923	21.1545
Gallons of fuel per 100 brake horsepower-hour <sup>2</sup>				2014	2017	2021	2024	2027
Combination Tractor Engine	Medium Heavy Duty			4.93	4.78	4.7053	4.6071	4.5776
	Heavy Heavy Duty			4.67	4.52	4.4499	4.3517	4.332
Vocational Diesel Engine	Light Heavy Duty			5.89	5.66	5.5501	5.4617	5.4322
	Medium Heavy Duty			5.89	5.66	5.5501	5.4617	5.4322
	Heavy Heavy Duty			5.57	5.45	5.3438	5.2652	5.2358

[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 1,000 miles, 10-ton load for 100 miles, 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](http://www.wisegeek.org))