

Table 2. Summary of Key Results of Four CAFE Cases¹ Compared to the Reference Case, 2010 and 2020

	2000	Reference Case ²	Sensitivity	S. 804	S. 804 Advanced Date	S. 517
		2010				
Light Vehicle Consumption (billion gallons)	124.9	154.0	152.4	147.6	146.6	147.4
Net Petroleum Imports (million barrels per day)	10.49	14.30	14.19	13.91	13.83	13.90
World Oil Price (2001\$)	28.33	23.87	23.87	23.64	23.59	23.64
GDP (billion 2001\$)	10,091	13,466	13,464	13,447	13,437	13,447
Light Vehicle Carbon Equivalent Emissions (million metric tons)	297.9	366.0	362.1	350.9	348.4	350.3
Average New Car Fuel Economy (miles per gallon)	28.90	29.58	30.82	29.53	29.52	33.44
Average New Light Truck Fuel Economy (miles per gallon)	21.08	22.52	23.25	25.56	26.41	25.05
Average New Car Horsepower	165	202	194	202	202	174
Average New Light Truck Horsepower ³	193	237	235	203	203	215
Average New Car Weight (pounds)	3087	3257	3160	3258	3258	2826
Average New Light Truck Weight (pounds) ³	4257	4554	4513	4053	3966	4105
2020						
Light Vehicle Consumption (billion gallons)		181.8	176.3	167.1	166.8	159.4
Net Petroleum Imports (million barrels per day)		16.69	16.38	15.86	15.83	15.40
World Oil Price (2001\$)		25.22	25.22	24.79	24.73	24.54
GDP (billion 2001\$)		18,084	18,078	18,072	18,081	18,056
Light Vehicle Carbon Equivalent Emissions (million metric tons)		432.1	419.2	397.3	396.6	379.1
Average New Car Fuel Economy (miles per gallon)		29.63	31.79	29.53	29.53	35.84
Average New Light Truck Fuel Economy (miles per gallon) ³		23.18	23.57	26.48	26.47	26.49
Average New Car Horsepower		220	198	220	220	168
Average New Light Truck Horsepower ⁴		252	249	206	206	206
Average New Car Weight (pounds)		3359	3100	3360	3360	2723
Average New Light Truck Weight (pounds) ⁴		4784	4721	3984	3960	3936

¹ The four cases summarized here are not representative of the CAFÉ provisions in the current House and Senate bills.
² The Reference Case also represents the H.R.4 Case.
³ Average new light truck fuel economy for the Reference and Sensitivity Cases represent light trucks less than 8,500 pounds gross vehicle weight. Light truck fuel economy shown for the S.804, S.804 Advanced Date, and S.517 Cases represent light trucks less than 10,000 pounds gross vehicle weight.
⁴ The values shown in the table represent vehicles less than 8,500 pounds gross vehicle weight. NEMS does not address the horsepower or weight aspects of Class 2b vehicles (8,500 to 10,000 pound vehicles).

Source: National Energy Modeling System runs: s804base.d020702b, s8045and10.d020702a, s804base.d020702b, s804advd.d021102a, and s517cafe.d022502a.