

Table 33. Transportation Sector Energy Use by Mode and Type (1 of 2)
(Trillion Btu)

Mode and Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Energy Use by Mode																							
Highway																							
Light-Duty Vehicles	14878.5	14961.0	15498.3	15969.6	16275.0	16626.7	16968.3	17312.0	17628.6	17937.7	18240.0	18513.6	18773.7	19019.2	19284.9	19561.5	19832.4	20085.3	20321.4	20547.5	20757.4	20980.6	1.7%
Automobiles	7805.9	7598.9	7675.1	7710.8	7655.6	7630.2	7612.8	7599.1	7582.7	7570.5	7561.6	7553.5	7534.2	7522.2	7531.3	7540.9	7561.4	7589.1	7613.4	7642.4	7668.5	7711.0	-0.1%
Light Trucks	7050.1	7340.3	7801.2	8236.7	8597.4	8974.6	9333.6	9691.1	10024.1	10345.5	10656.6	10938.3	11217.8	11475.3	11732.0	11998.9	12249.4	12474.3	12686.1	12883.2	13066.8	13247.4	3.0%
Motorcycles	22.4	21.8	22.0	22.2	22.0	21.9	21.9	21.8	21.8	21.7	21.7	21.7	21.6	21.6	21.6	21.7	21.7	21.8	21.9	21.9	22.0	22.1	-0.1%
Commercial Light Trucks 1/	615.2	619.7	627.2	641.2	651.1	659.9	671.5	684.2	695.6	706.3	716.0	726.1	734.8	743.1	752.9	763.9	776.1	787.0	797.0	806.8	816.9	827.7	1.4%
Buses	180.6	184.0	184.8	185.9	186.8	187.7	188.4	189.0	189.5	190.0	190.2	190.2	190.1	189.8	189.6	189.4	189.1	188.7	188.3	187.8	187.2	186.5	0.2%
Transit	86.4	88.0	88.4	88.9	89.3	89.7	90.1	90.4	90.6	90.8	91.0	91.0	90.9	90.8	90.7	90.6	90.4	90.3	90.1	89.8	89.5	89.2	0.2%
Intercity	23.2	23.6	23.7	23.9	24.0	24.1	24.2	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.3	24.3	24.3	24.2	24.2	24.1	24.0	23.9	0.2%
School	71.1	72.4	72.7	73.1	73.5	73.8	74.1	74.3	74.5	74.7	74.8	74.8	74.8	74.7	74.6	74.5	74.4	74.2	74.1	73.9	73.6	73.4	0.2%
Freight Trucks 2/	4271.5	4501.3	4587.6	4721.6	4827.5	4910.2	5017.5	5130.6	5230.0	5320.5	5399.2	5486.7	5562.8	5635.5	5726.8	5828.8	5937.0	6040.9	6141.5	6234.6	6328.6	6432.0	2.0%
Medium (1000-26000 pounds)	882.2	890.2	885.9	886.3	890.6	889.0	898.1	905.3	916.7	928.0	943.4	960.6	976.3	992.7	1012.4	1033.2	1058.3	1081.6	1106.0	1132.0	1160.0	1189.5	1.4%
Large (> 26000 pounds)	3389.2	3611.0	3701.7	3835.3	3937.0	4021.2	4119.4	4225.3	4313.3	4392.5	4455.9	4526.1	4586.5	4642.8	4714.4	4795.7	4878.8	4959.4	5035.5	5102.6	5168.7	5242.6	2.1%
Non-Highway																							
Air 3/	3025.4	3102.8	3142.9	3158.5	3253.6	3346.6	3453.4	3562.0	3669.7	3785.0	3903.1	4026.7	4148.8	4280.9	4418.7	4562.4	4707.7	4854.3	5000.9	5143.6	5287.3	5435.9	2.8%
General Aviation	184.7	188.3	190.1	190.8	195.3	199.6	204.7	209.8	214.9	220.4	226.0	231.9	237.7	244.0	250.5	257.4	264.3	271.2	278.2	285.0	291.9	298.9	2.3%
Domestic Air Carriers	1787.2	1807.2	1818.0	1827.0	1864.5	1900.2	1943.1	1986.2	2026.2	2070.0	2113.6	2157.8	2199.6	2245.9	2293.6	2342.8	2390.9	2439.8	2486.5	2528.4	2568.9	2610.0	1.8%
International Air Carriers	621.2	667.9	678.5	683.8	699.7	714.6	732.3	750.2	767.3	785.6	803.8	822.4	840.5	860.0	880.6	901.9	922.4	942.3	961.3	978.5	995.3	1012.2	2.4%
Freight Carriers	432.3	439.4	456.3	456.9	494.2	532.2	573.4	615.9	661.2	709.0	759.7	814.6	870.9	931.0	993.9	1060.4	1130.2	1201.1	1274.8	1351.7	1431.3	1514.7	6.2%
Water 4/	1277.2	1397.3	1402.3	1410.9	1416.3	1418.9	1422.5	1426.3	1430.3	1434.8	1439.1	1444.6	1448.4	1453.3	1459.1	1465.1	1471.7	1477.7	1483.2	1487.9	1491.7	1496.1	0.8%
Freight	968.3	1085.8	1086.1	1091.5	1094.3	1094.0	1094.5	1094.9	1095.9	1097.3	1098.4	1100.7	1101.5	1103.1	1105.4	1107.9	1111.0	1113.5	1115.7	1117.4	1118.2	1119.6	0.7%
Domestic Shipping	284.8	291.1	291.4	295.3	296.5	294.7	293.6	292.6	292.1	292.0	291.7	292.5	291.8	292.0	292.9	294.0	295.6	296.7	297.6	297.9	297.4	297.5	0.2%
International Shipping	683.5	794.7	794.7	796.2	797.8	799.3	800.9	802.3	803.8	805.2	806.7	808.2	809.6	811.1	812.5	814.0	815.4	816.8	818.2	819.5	820.8	822.2	0.9%
Recreational Boats	308.9	311.5	316.2	319.3	322.0	324.9	328.1	331.3	334.4	337.6	340.7	344.0	347.0	350.2	353.7	357.2	360.7	364.2	367.4	370.5	373.5	376.5	0.9%
Rail	569.1	587.6	598.4	611.2	616.6	619.7	625.6	633.3	641.2	644.4	645.4	649.2	655.6	657.6	660.8	664.0	667.1	674.5	678.5	680.8	684.2	688.9	0.9%
Freight	490.3	507.4	516.5	527.5	531.2	532.6	536.8	542.8	549.1	550.6	549.8	551.9	556.7	557.2	558.8	560.4	561.8	567.7	570.1	570.8	572.6	575.6	0.8%
Passenger	78.9	80.2	81.9	83.7	85.4	87.1	88.8	90.5	92.1	93.9	95.6	97.2	98.8	100.4	102.0	103.6	105.2	106.8	108.4	110.0	111.7	113.4	1.7%
Intercity	20.4	21.0	21.4	21.9	22.3	22.7	23.2	23.6	24.1	24.5	25.0	25.4	25.8	26.2	26.6	27.1	27.5	27.9	28.3	28.7	29.2	29.6	1.8%
Transit	44.4	44.8	45.7	46.7	47.7	48.6	49.6	50.5	51.5	52.4	53.4	54.3	55.2	56.1	57.0	57.9	58.8	59.7	60.6	61.5	62.4	63.3	1.7%
Commuter	14.1	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.8	20.1	20.4	1.8%
Lubricants	221.3	230.3	236.6	243.2	247.6	249.9	252.7	255.9	258.3	260.3	262.0	264.4	267.3	270.9	275.5	281.0	286.9	292.5	297.7	302.3	306.7	311.2	1.6%
Pipeline Fuel Natural Gas	656.6	660.2	662.6	700.7	730.8	754.4	771.1	793.3	810.4	835.6	862.1	897.5	910.8	929.5	948.9	968.4	994.2	1016.8	1035.9	1055.2	1070.7	1090.5	2.4%
Military Use																							
Aviation	588.9	593.2	605.9	603.7	603.2	605.1	612.4	622.5	632.3	642.2	651.7	661.1	670.2	678.8	686.9	694.9	703.0	711.1	719.4	727.7	736.2	744.8	1.1%
Residual Fuel Use	479.2	480.8	491.0	489.2	488.9	490.4	496.3	504.5	512.5	520.5	528.1	535.8	543.2	550.1	556.7	563.2	569.7	576.3	583.0	589.8	596.6	603.6	1.1%
Distillate Fuel Use	17.5	17.8	18.1	18.1	18.1	18.1	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.3	20.6	20.8	21.0	21.3	21.5	21.8	22.0	22.3	1.2%
Total	26284.4	26837.3	27546.6	28246.5	28808.5	29379.1	29983.6	30609.1	31185.9	31756.8	32308.9	32860.1	33362.4	33858.7	34404.2	34979.5	35565.2	36128.8	36663.8	37174.2	37666.8	38194.3	1.8%
Energy Use by Type																							
Motor Gasoline	15878.7	15868.2	16318.6	16709.8	16934.3	17205.8	17483.7	17772.6	18041.1	18306.9	18568.6	18805.1	19029.3	19241.6	19476.0	19722.2	19968.4	20197.2	20411.5	20619.3	20815.2	21026.1	1.3%
Distillate (diesel)	5132.0	5456.0	5614.5	5816.8	5978.0	6116.0	6279.2	6451.6	6607.9	6747.2	6867.0	6995.3	7111.6	7217.6	7341.4	7476.3	7614.0	7749.5	7875.5	7989.6	8102.9	8226.5	2.3%
Jet Fuel (kerosene and naphtha)	3462.0	3541.0	3591.5	3605.4	3700.1	3794.8	3907.5	4024.3	4140.0	4263.3	4389.1	4520.3	4649.8	4788.9	4933.3	5083.4	5235.3	5388.6	5541.9	5691.3	5841.9	5997.4	2.7%
Residual Oil	739.0	844.0	844.5	846.9	848.7	849.7	851.0	852.4	853.9	855.6	857.1	859.0	860.5	862.1	864.0	865.9	867.9	869.8	871.6	873.2	874.5	876.0	0.8%
Aviation Gasoline	42.7	42.6	42.5	42.4	42.3	42.3	42.3	42.2	42.2	42.2	42.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	-0.1%
Liquefied Petroleum Gas	37.8	49.0	56.9	66.5	75.2	81.9	85.7	88.2	89.7	90.2	90.9	92.2	92.8	93.7	95.7	97.8	99.6	101.6	103.7	105.5	107.0	108.8	5.2%
Lubricants	221.3	230.3	236.6	243.2	247.6	249.9	252.7	255.9	258.3	260.3	262.0	264.4	267.3	270.9	275.5	281.0	286.9	292.5	297.7	302.3	306.7	311.2	1.6%
Petroleum Subtotal	25513.5	26031.0	26705.1	27331.1	27826.4	28340.3	28902.1	29487.2	30033.2	30565.6	31076.9	31578.5	32053.5	32516.9	33028.0	33568.7	34114.2	34641.2	35143.9	35623.3	36090.2	36588.3	1.7%
Methanol	4.5	7.3	11.0	14.6	17.7	20.4	22.3	23.0	23.2	23.2	23.2	23.0	23.0	22.9	23.1	23.3	23.5	23.9	24.2	24.3	24.4	24.5	8.4%
Ethanol	18.3	29.6	36.7	47.4	55.5	63.8	69.9	73.6	75.8	76.8	78.2	79.6	80.5	8									

Table 33. Transportation Sector Energy Use by Mode and Type (2 of 2) (Trillion Btu)

1/ Commercial light trucks from 8,500 to 10,000 pounds.

2/ Does not include commercial bus and military use.

3/ Does not include military jet fuel use.

4/ Does not include military residual oil.

Btu = British thermal unit.

Note: Totals may not equal sum of components due to independent rounding.

Sources: 1999 values derived using: Energy Information Administration (EIA), Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep00.pdf>; EIA, Fuel Oil and Kerosene Sales 1998, DOE/EIA-0535(98) (Washington, DC, August 1999); EIA, State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18, and 19 (Oak Ridge, TN, September 1999); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode (1 of 2)
(Trillion Btu)**

Mode and Type	1999-2020																						
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Light-Duty Vehicle																							
Motor Gasoline	14620.83	14624.26	15080.11	15467.74	15692.45	15967.19	16242.15	16527.49	16790.93	17051.57	17306.47	17534.75	17752.53	17957.44	18182.25	18416.88	18649.44	18866.02	19068.21	19263.92	19446.67	19643.54	1.4%
Methanol	4.47	7.27	11.00	14.63	17.74	20.42	22.26	23.05	23.16	23.15	23.15	22.97	22.95	22.89	23.05	23.35	23.53	23.90	24.19	24.30	24.42	24.54	8.4%
Ethanol	18.33	29.60	36.73	47.43	55.54	63.85	69.88	73.57	75.77	76.83	78.24	79.55	80.47	81.71	83.12	84.94	86.56	88.23	90.22	91.45	92.42	93.44	8.1%
Compressed Natural Gas	31.20	47.65	67.36	85.98	101.41	113.83	122.03	126.22	128.39	130.18	131.98	133.62	135.49	137.54	139.97	142.78	145.76	148.73	151.38	153.71	155.63	157.44	8.0%
Liquefied Petroleum Gas	23.90	32.86	42.16	51.59	59.13	65.09	68.79	70.44	70.91	70.89	70.98	71.28	71.47	71.92	73.17	74.54	75.59	76.96	78.24	79.32	80.18	81.28	6.0%
Electricity	1.06	1.65	2.35	3.01	10.51	17.35	23.45	28.74	33.21	37.77	42.39	47.04	51.61	56.09	60.50	64.68	68.60	72.19	75.37	78.22	80.71	83.03	23.1%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	N/A
Distillate (diesel)	178.68	217.68	258.58	299.26	338.19	379.00	419.70	462.52	506.25	547.33	586.74	624.36	659.21	691.57	722.84	754.32	782.95	809.21	833.78	856.55	877.31	897.30	8.0%
Total	14878.48	14960.97	15498.28	15969.63	16274.96	16626.73	16968.27	17312.01	17628.63	17937.73	18239.97	18513.57	18773.73	19019.16	19284.90	19561.49	19832.43	20085.26	20321.40	20547.48	20757.35	20980.59	1.7%
Commercial Light Trucks Gasoline 1/	615.18	619.67	627.22	641.25	651.07	659.92	671.52	684.17	695.63	706.30	715.96	726.07	734.75	743.11	752.95	763.93	776.10	786.99	797.03	806.81	816.92	827.68	1.4%
Freight Trucks 2/																							
Motor Gasoline	324.93	303.96	286.29	272.68	259.93	244.87	233.01	220.58	211.13	202.40	196.33	191.29	186.00	181.75	178.17	175.19	173.14	171.02	169.83	169.17	169.19	169.56	-3.0%
Distillate (diesel)	3931.50	4179.87	4284.89	4431.47	4547.86	4643.19	4759.81	4881.40	4985.55	5079.72	5158.70	5244.68	5320.04	5391.29	5480.12	5579.54	5684.46	5785.58	5882.58	5971.64	6061.51	6160.73	2.2%
Compressed Natural Gas	1.12	1.34	1.68	2.53	3.67	5.37	7.79	10.89	14.53	19.07	24.25	29.87	35.41	40.70	46.05	50.85	55.47	59.65	63.67	67.60	71.11	74.22	22.1%
Liquefied Petroleum Gas	13.92	16.09	14.74	14.93	16.09	16.81	16.91	17.71	18.76	19.28	19.94	20.87	21.32	21.78	22.51	23.23	23.97	24.66	25.41	26.17	26.85	27.54	3.3%
Total	4271.48	4501.26	4587.59	4721.60	4827.55	4910.24	5017.52	5130.58	5229.97	5320.47	5399.22	5486.71	5562.77	5635.53	5726.85	5828.81	5937.03	6040.91	6141.50	6234.57	6328.65	6432.05	2.0%
Freight Rail 3/																							
Distillate (diesel)	490.28	507.35	516.52	527.54	531.24	532.63	536.85	542.81	549.05	550.57	549.83	551.95	556.73	557.24	558.78	560.43	561.84	567.66	570.08	570.76	572.55	575.58	0.8%
Total	490.28	507.35	516.52	527.54	531.24	532.63	536.85	542.81	549.05	550.57	549.83	551.95	556.73	557.24	558.78	560.43	561.84	567.66	570.08	570.76	572.55	575.58	0.8%
Domestic Shipping																							
Distillate (diesel)	201.89	206.90	207.13	209.93	210.75	209.47	208.70	208.01	207.64	207.58	207.33	207.91	207.43	207.57	208.20	208.95	210.09	210.90	211.51	211.74	211.36	211.44	0.2%
Residual Oil	82.94	84.18	84.27	85.41	85.74	85.22	84.90	84.63	84.48	84.45	84.35	84.59	84.39	84.45	84.70	85.01	85.47	85.80	86.05	86.14	85.99	86.02	0.2%
Motor Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	284.83	291.08	291.40	295.34	296.49	294.69	293.60	292.64	292.12	292.03	291.68	292.50	291.82	292.02	292.91	293.95	295.56	296.71	297.56	297.88	297.35	297.46	0.2%
International Shipping																							
Distillate (diesel)	44.87	52.65	52.65	52.74	52.85	52.95	53.05	53.15	53.25	53.34	53.44	53.54	53.63	53.73	53.83	53.92	54.02	54.11	54.20	54.29	54.38	54.47	0.9%
Residual Oil	638.60	742.07	742.07	743.45	744.93	746.36	747.80	749.15	750.52	751.89	753.27	754.65	756.00	757.37	758.71	760.06	761.40	762.69	763.97	765.22	766.46	767.71	0.9%
Total	683.47	794.71	794.71	796.20	797.78	799.31	800.85	802.30	803.76	805.23	806.72	808.19	809.63	811.10	812.53	813.98	815.42	816.80	818.17	819.51	820.83	822.17	0.9%
Air Transportation																							
Jet Fuel	2982.77	3060.22	3100.44	3116.12	3211.29	3304.34	3411.18	3519.82	3627.54	3742.81	3860.98	3984.56	4106.65	4238.80	4376.59	4520.28	4665.63	4812.25	4958.86	5101.50	5245.21	5393.82	2.9%
Aviation Gasoline	42.66	42.56	42.48	42.41	42.35	42.30	42.26	42.23	42.20	42.18	42.16	42.14	42.13	42.12	42.11	42.10	42.10	42.09	42.09	42.08	42.08	42.08	-0.1%
Total	3025.43	3102.78	3142.91	3158.53	3253.63	3346.64	3453.44	3562.04	3669.74	3784.98	3903.14	4026.70	4148.78	4280.92	4418.70	4562.38	4707.72	4854.34	5000.95	5143.59	5287.29	5435.90	2.8%
Miscellaneous Transportation																							
Military Use																							
Jet Fuel	479.23	480.78	491.03	489.23	488.86	490.41	496.31	504.52	512.46	520.47	528.13	535.78	543.17	550.10	556.68	563.15	569.70	576.31	583.01	589.78	596.65	603.61	1.1%
Residual Fuel	17.46	17.76	18.14	18.07	18.06	18.12	18.33	18.64	18.93	19.23	19.51	19.79	20.06	20.32	20.56	20.80	21.04	21.29	21.54	21.79	22.04	22.30	1.2%
Distillate	92.18	94.70	96.72	96.36	96.29	96.60	97.76	99.38	100.94	102.52	104.03	105.53	106.99	108.35	109.65	110.92	112.21	113.52	114.84	116.17	117.52	118.89	1.2%
Total	588.87	593.24	605.88	603.67	603.21	605.12	612.40	622.53	632.33	642.21	651.66	661.11	670.22	678.77	686.89	694.88	702.95	711.12	719.38	727.74	736.21	744.79	1.1%

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode (2 of 2)
(Trillion Btu)

Mode and Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Bus Transportation																							
Transit Bus (motor gasoline)	4.85	4.81	4.83	4.85	4.88	4.90	4.92	4.94	4.95	4.96	4.97	4.97	4.96	4.96	4.95	4.95	4.94	4.93	4.92	4.91	4.89	4.87	0.0%
Transit Bus (diesel)	81.56	83.20	83.56	84.04	84.44	84.85	85.20	85.45	85.67	85.89	86.01	86.02	85.93	85.83	85.72	85.61	85.49	85.34	85.15	84.91	84.63	84.33	0.2%
Intercity Bus (diesel)	23.16	23.63	23.73	23.87	23.98	24.10	24.20	24.27	24.33	24.39	24.43	24.43	24.41	24.38	24.35	24.31	24.28	24.24	24.18	24.12	24.03	23.95	0.2%
School Bus (motor gasoline)	3.98	3.95	3.97	3.99	4.01	4.03	4.05	4.06	4.07	4.08	4.09	4.09	4.08	4.08	4.07	4.07	4.06	4.05	4.05	4.03	4.02	4.01	0.0%
School Bus (diesel)	67.07	68.42	68.72	69.11	69.44	69.78	70.06	70.28	70.46	70.63	70.74	70.74	70.67	70.58	70.50	70.41	70.31	70.18	70.03	69.83	69.60	69.35	0.2%
Total	180.62	184.01	184.81	185.86	186.75	187.65	188.42	188.99	189.48	189.95	190.24	190.24	190.06	189.82	189.59	189.35	189.08	188.75	188.33	187.80	187.16	186.50	0.2%
Rail Transportation																							
Intercity Rail (electricity)	8.10	8.18	8.35	8.53	8.70	8.87	9.05	9.22	9.39	9.57	9.74	9.91	10.07	10.23	10.40	10.56	10.72	10.89	11.05	11.21	11.38	11.55	1.7%
Intercity Rail (diesel)	12.31	12.78	13.04	13.32	13.59	13.86	14.14	14.41	14.67	14.94	15.22	15.48	15.73	15.99	16.24	16.50	16.75	17.01	17.26	17.52	17.78	18.05	1.8%
Transit Rail (electricity)	44.37	44.82	45.74	46.74	47.69	48.64	49.60	50.54	51.47	52.43	53.38	54.31	55.20	56.08	56.98	57.87	58.77	59.66	60.56	61.46	62.38	63.31	1.7%
Commuter Rail (electricity)	5.59	5.65	5.76	5.89	6.01	6.13	6.25	6.37	6.49	6.61	6.73	6.84	6.96	7.07	7.18	7.29	7.41	7.52	7.63	7.75	7.86	7.98	1.7%
Commuter Rail (diesel)	8.50	8.82	9.00	9.20	9.39	9.57	9.76	9.95	10.13	10.32	10.51	10.69	10.87	11.04	11.22	11.39	11.57	11.75	11.92	12.10	12.28	12.46	1.8%
Total	78.86	80.24	81.90	83.68	85.38	87.08	88.79	90.48	92.14	93.87	95.57	97.23	98.82	100.41	102.01	103.61	105.23	106.82	108.42	110.04	111.69	113.36	1.7%
Recreation Boats																							
Recreation Boats	308.93	311.51	316.21	319.32	322.00	324.86	328.08	331.33	334.39	337.55	340.75	343.95	346.98	350.22	353.66	357.20	360.73	364.15	367.42	370.49	373.49	376.48	0.9%
Lubricants																							
Lubricants	221.34	230.30	236.60	243.18	247.60	249.86	252.71	255.94	258.30	260.29	262.04	264.38	267.33	270.89	275.53	281.04	286.89	292.47	297.70	302.32	306.65	311.21	1.6%
Pipeline Fuel Natural Gas																							
Pipeline Fuel Natural Gas	656.64	660.17	662.59	700.68	730.83	754.39	771.14	793.30	810.37	835.62	862.13	897.53	910.77	929.50	948.89	968.44	994.21	1016.84	1035.87	1055.23	1070.65	1090.50	2.4%
Total Miscellaneous																							
Total Miscellaneous	2035.27	2059.48	2088.00	2136.39	2175.78	2208.96	2241.54	2282.57	2317.01	2359.50	2402.38	2454.44	2484.18	2519.62	2556.57	2594.52	2639.09	2680.15	2717.13	2753.63	2785.86	2822.85	1.6%
Total Consumption	26284.42	26837.29	27546.63	28246.47	28808.50	29379.13	29983.59	30609.13	31185.93	31756.80	32308.90	32860.13	33362.38	33858.70	34404.19	34979.50	35565.20	36128.82	36663.83	37174.23	37666.81	38194.29	1.8%

1/ Commercial trucks from 8,500 to 10,000 pounds.

2/ Does not include military distillate. Does not include commercial buses.

3/ Does not include passenger rail.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: 1999 compressed natural gas volumes: Energy Information Administration (EIA), AEO2001 National Energy Modeling System run AEO2001.D101600A. Other 1999 values derived using: EIA, Short-Term Energy Outlook, September 2000, <http://www.eia.doe.gov/pub/forecasting/stco/oldstco/sep00.pdf>; EIA, Fuel Oil and Kerosene Sales 1998, DOE/EIA-0535(98) (Washington, DC, August 1999); EIA, State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18 and 19 (Oak Ridge, TN, September 1999); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type (1 of 1)
(Trillion Btu)

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Light-Duty Consumption by Technology Type																							
Conventional Vehicles 1/																							
Gasoline ICE Vehicles	14481.97	14455.71	14873.89	15226.94	15393.01	15604.67	15815.34	16032.93	16227.64	16418.00	16603.43	16763.99	16913.82	17052.72	17212.59	17382.82	17551.63	17708.50	17854.28	17995.14	18125.15	18270.22	1.1%
TDI Diesel ICE	178.68	217.68	258.58	299.26	338.19	379.00	419.70	462.52	506.25	547.33	586.74	624.36	659.21	691.57	722.84	754.32	782.95	809.21	833.78	856.55	877.31	897.30	8.0%
Alternative-Fuel Vehicles																							
Alcohol Fuel Technology																							
Methanol-Flex Fuel ICE	5.08	8.00	11.97	15.78	19.20	22.37	25.02	26.97	28.49	29.92	31.32	32.63	33.95	35.21	36.48	37.75	38.97	40.11	41.14	42.06	42.86	43.63	10.8%
Methanol ICE	0.21	0.23	0.24	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	2.8%
Ethanol-Flex Fuel ICE	129.34	166.11	209.27	253.11	293.16	333.99	373.05	409.44	443.11	475.73	507.15	536.33	564.66	591.19	617.10	642.85	667.39	690.24	711.91	732.39	751.77	770.59	8.9%
Ethanol ICE	0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.30	5.9%
Total Alcohol	134.72	174.44	221.61	269.28	312.77	356.80	398.53	436.90	472.10	506.16	539.01	569.53	599.19	627.00	654.18	681.23	706.99	730.99	753.70	775.11	795.30	814.91	8.9%
Natural Gas Technology																							
CNG ICE	5.33	5.96	6.75	7.53	8.21	8.95	9.69	10.41	11.11	11.78	12.40	12.99	13.52	14.02	14.49	14.97	15.41	15.84	16.24	16.63	17.00	17.37	5.8%
CNG Bi-fuel	30.51	47.09	66.86	85.77	102.29	116.97	128.89	138.20	146.07	153.45	160.66	167.48	174.14	180.50	186.86	193.19	199.27	205.03	210.30	215.14	219.52	223.85	10.0%
LPG ICE	3.89	4.44	5.05	5.75	6.37	6.99	7.57	8.13	8.66	9.17	9.67	10.15	10.60	11.03	11.50	11.98	12.46	12.93	13.43	13.97	14.55	15.22	6.7%
LPG Bi-fuel	32.02	39.54	49.18	58.23	65.93	72.75	78.20	82.31	85.64	88.75	91.80	94.66	97.51	100.25	103.02	105.81	108.50	111.02	113.27	115.28	117.03	118.69	6.4%
Total Natural Gas Technology	71.74	97.02	127.85	157.29	182.81	205.67	224.34	239.05	251.48	263.15	274.54	285.27	295.77	305.79	315.87	325.94	335.64	344.82	353.24	361.02	368.10	375.13	8.2%
Electric Technology																							
Electric Vehicle	1.06	1.65	2.35	3.01	10.51	17.35	23.45	28.74	33.21	37.77	42.39	47.04	51.61	56.09	60.50	64.68	68.60	72.19	75.37	78.22	80.71	83.03	23.1%
Electric-Diesel Hybrid	0.02	0.34	0.67	1.00	4.78	8.75	12.51	16.69	21.24	25.94	30.90	36.20	41.80	47.77	54.17	61.15	68.31	75.29	81.97	88.21	93.86	99.05	48.4%
Electric-Gasoline Hybrid	0.57	5.15	9.50	14.00	42.52	72.63	100.71	130.07	160.58	192.55	225.88	260.19	295.70	332.08	369.67	407.94	446.76	484.34	520.34	554.92	587.78	619.65	39.5%
Total Electricity	1.66	7.13	12.52	18.02	57.80	98.73	136.66	175.50	215.03	256.26	299.17	343.43	389.11	435.93	484.34	533.77	583.67	631.82	677.68	721.35	762.35	801.73	34.2%
Fuel Cell Technology																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.10	0.26	0.63	1.36	2.70	5.01	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	N/A
Total Fuel Cell	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.11	0.28	0.65	1.38	2.73	5.06	N/A
Light-Duty Consumption by Fuel Type1/																							
Motor Gasoline	14620.83	14624.26	15080.11	15467.74	15692.45	15967.19	16242.15	16527.49	16790.93	17051.57	17306.47	17534.75	17752.53	17957.44	18182.25	18416.88	18649.44	18866.02	19068.21	19263.92	19446.67	19643.54	1.4%
Distillate (diesel)	178.68	217.68	258.58	299.26	338.19	379.00	419.70	462.52	506.25	547.33	586.74	624.36	659.21	691.57	722.84	754.32	782.95	809.21	833.78	856.55	877.31	897.30	8.0%
Methanol	4.47	7.27	11.00	14.63	17.74	20.42	22.26	23.05	23.16	23.15	23.15	22.97	22.95	22.89	23.05	23.35	23.53	23.90	24.19	24.30	24.42	24.54	8.4%
Ethanol	18.33	29.60	36.73	47.43	55.54	63.85	69.88	73.57	75.77	76.83	78.24	79.55	80.47	81.71	83.12	84.94	86.56	88.23	90.22	91.45	92.42	93.44	8.1%
Compressed Natural Gas	31.20	47.65	67.36	85.98	101.41	113.83	122.03	126.22	128.39	130.18	131.98	133.62	135.49	137.54	139.97	142.78	145.76	148.73	151.38	153.71	155.63	157.44	8.0%
Liquefied Petroleum Gas	23.90	32.86	42.16	51.59	59.13	65.09	68.79	70.44	70.91	70.89	70.98	71.28	71.47	71.92	73.17	74.54	75.59	76.96	78.24	79.32	80.18	81.28	6.0%
Electricity	1.06	1.65	2.35	3.01	10.51	17.35	23.45	28.74	33.21	37.77	42.39	47.04	51.61	56.09	60.50	64.68	68.60	72.19	75.37	78.22	80.71	83.03	23.1%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	N/A

1/ Includes personal vehicles and fleet vehicles. Includes both cars and trucks.

Btu = British thermal unit.

ICE = Internal combustion engine.

N/A = Not applicable.

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 36. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
New England

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
New Car Sales 1/																								
Conventional Vehicles																								
Gasoline ICE Vehicles	424.3	424.5	396.3	393.9	362.3	354.7	349.0	340.4	331.5	325.8	321.3	318.1	321.2	323.0	325.1	328.3	330.5	330.8	329.9	327.4	325.4	325.6	-1.3%	
TDI Diesel ICE	9.9	11.9	11.0	10.7	9.4	9.1	9.0	9.1	9.3	8.8	8.6	8.6	8.6	8.6	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.7	-0.1%	
Total Conventional	434.2	436.4	407.3	404.6	371.7	363.9	358.0	349.6	340.8	334.6	329.9	326.7	329.8	331.7	333.8	337.4	339.6	340.0	339.2	336.8	334.9	335.3	-1.2%	
Alternative-Fuel Vehicles																								
Methanol-Flex Fuel ICE	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.8%	
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.4%	
Ethanol-Flex Fuel ICE	0.7	1.0	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4%	
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0%	
Electric Vehicle	0.1	0.1	0.1	0.1	14.7	14.5	14.3	14.2	14.1	14.1	14.1	14.1	14.3	14.5	14.7	14.9	15.1	15.2	15.3	15.3	15.4	15.5	28.2%	
Electric-Diesel Hybrid	0.0	0.3	0.2	0.2	3.0	3.0	3.2	3.4	3.5	3.5	3.6	3.8	4.1	4.4	4.7	5.2	5.4	5.5	5.4	5.3	5.1	4.9	37.7%	
Electric-Gasoline Hybrid	0.1	3.4	3.1	3.1	16.8	17.1	17.4	17.6	17.8	18.1	18.5	18.9	19.8	20.5	21.3	22.1	23.0	23.2	23.2	23.2	23.1	23.1	29.6%	
CNG ICE	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.9%	
CNG Bi-fuel	2.4	3.4	3.7	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.4	1.8%	
LPG ICE	0.3	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-14.3%	
LPG Bi-fuel	1.4	1.8	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.5%	
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.2	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	5.4	11.0	11.6	11.5	42.5	42.3	42.4	42.5	42.5	42.7	43.2	43.8	45.2	46.4	47.8	49.4	50.7	51.2	51.4	51.4	51.5	52.0	11.4%	
Percent Alternative Car Sales	1.23	2.46	2.76	2.77	10.25	10.41	10.59	10.84	11.09	11.32	11.57	11.81	12.04	12.28	12.53	12.77	13.00	13.08	13.16	13.24	13.33	13.43	12.1%	
Total New Car Sales	439.6	447.4	418.9	416.1	414.1	406.1	400.4	392.1	383.3	377.3	373.0	370.5	375.0	378.1	381.7	386.8	390.4	391.2	390.6	388.2	386.4	387.3	-0.6%	
New Light Truck Sales 2/																								
Conventional Vehicles																								
Gasoline ICE Vehicles	304.2	309.9	297.8	303.4	299.6	298.4	298.0	294.0	288.9	287.9	286.9	286.2	291.1	294.4	297.7	301.8	305.1	306.3	306.2	304.7	303.6	304.2	0.0%	
TDI Diesel ICE	24.9	32.0	30.1	29.8	27.7	27.4	27.4	28.3	29.1	27.5	26.9	26.9	26.7	26.7	26.9	27.3	27.1	27.0	27.0	26.8	26.5	26.5	0.3%	
Total Conventional	329.1	341.9	327.9	333.2	327.3	325.8	325.4	322.3	318.0	315.4	313.8	313.0	317.8	321.1	324.6	329.1	332.2	333.3	333.2	331.5	330.1	330.7	0.0%	
Alternative-Fuel Vehicles																								
Methanol-Flex Fuel ICE	0.3	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	4.3%	
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8%	
Ethanol-Flex Fuel ICE	20.1	21.6	21.1	21.7	21.4	21.5	21.5	21.2	20.8	20.7	20.7	21.3	21.7	22.1	22.6	23.0	23.2	23.3	23.3	23.2	23.2	23.3	0.7%	
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3%	
Electric Vehicle	0.1	0.1	0.1	0.1	3.0	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.7	2.8	2.8	2.9	3.0	3.0	2.9	2.9	2.8	2.8	20.8%	
Electric-Diesel Hybrid	0.0	0.1	0.1	0.1	0.9	1.0	1.1	1.2	1.4	1.4	1.5	1.6	1.7	1.9	2.0	2.3	2.4	2.4	2.4	2.4	2.3	2.3	42.1%	
Electric-Gasoline Hybrid	0.0	1.7	1.6	1.6	10.0	10.4	10.9	11.3	11.6	12.0	12.4	12.9	13.6	14.4	15.1	15.9	16.6	16.9	17.1	17.2	17.3	17.5	33.4%	
CNG ICE	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	7.4%	
CNG Bi-fuel	1.5	2.5	2.9	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.5	3.5	3.6	4.2%	
LPG ICE	0.8	1.3	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-9.8%	
LPG Bi-fuel	0.9	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.1%	
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.5	0.8	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	23.9	29.3	29.5	30.2	41.8	42.4	42.9	42.8	42.7	42.9	43.2	43.7	45.4	46.8	48.2	50.0	51.6	52.1	52.5	52.6	52.7	53.5	3.9%	

Table 36. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
New England

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.77	7.90	8.27	8.32	11.32	11.50	11.65	11.73	11.84	11.96	12.09	12.26	12.49	12.72	12.94	13.19	13.44	13.53	13.61	13.69	13.78	13.93	3.5%
Total New Truck Sales	353.0	371.2	357.4	363.5	369.1	368.2	368.3	365.1	360.7	358.3	356.9	356.8	363.1	367.9	372.8	379.1	383.7	385.5	385.7	384.1	382.8	384.2	0.4%
Percent Total Alternative Sales	3.70	4.93	5.30	5.36	10.75	10.93	11.10	11.27	11.45	11.63	11.83	12.03	12.26	12.50	12.73	12.98	13.22	13.30	13.39	13.46	13.55	13.68	6.4%
EPACT Legislative Alternative Sales	6.85	10.75	13.15	13.21	13.27	13.13	13.04	12.84	12.62	12.48	12.39	12.34	12.53	12.66	12.81	13.00	13.14	13.18	13.18	13.11	13.06	13.10	3.1%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	43.79	43.33	43.08	42.51	41.87	41.49	41.29	41.25	41.98	42.54	43.14	43.92	44.53	44.82	44.95	44.88	44.88	45.18	N/A
Total Vehicles Sales	792.6	818.6	776.3	779.5	783.2	774.3	768.7	757.2	744.0	735.5	730.0	727.3	738.1	746.0	754.5	765.8	774.1	776.7	776.3	772.3	769.3	771.4	-0.1%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneal/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 37. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Middle Atlantic

Technology Type	1999-																				2020		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	1201.5	1193.2	1105.3	1090.9	1009.4	982.8	962.1	934.6	906.6	887.3	871.9	860.3	865.6	867.4	869.9	875.8	878.7	876.7	871.6	862.5	854.9	853.1	-1.6%
TDI Diesel ICE	25.9	31.1	29.0	27.8	24.4	23.5	23.1	23.4	23.7	22.4	21.8	21.7	21.5	21.6	21.8	22.3	22.4	22.5	22.8	22.9	23.1	23.5	-0.5%
Total Conventional	1227.3	1224.2	1134.3	1118.7	1033.8	1006.3	985.3	958.0	930.3	909.7	893.7	882.0	887.1	889.0	891.8	898.1	901.1	899.3	894.3	885.5	878.0	876.6	-1.6%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.7	1.1	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0%
Ethanol-Flex Fuel ICE	2.0	2.9	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	1.9%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.4%
Electric Vehicle	0.2	0.3	0.4	0.4	27.8	27.4	27.1	26.8	26.6	26.5	26.5	26.6	27.0	27.3	27.7	28.0	28.3	28.6	28.7	28.8	28.9	29.2	25.7%
Electric-Diesel Hybrid	0.0	0.7	0.7	0.7	8.0	7.9	8.2	8.7	9.1	9.1	9.3	9.8	10.4	11.1	11.9	13.0	13.6	13.6	13.5	13.1	12.6	12.2	37.2%
Electric-Gasoline Hybrid	0.3	9.3	8.5	8.4	45.9	46.4	47.1	47.4	47.7	48.5	49.4	50.4	52.4	54.2	56.1	58.1	60.1	60.4	60.4	60.1	59.7	59.7	29.1%
CNG ICE	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-1.7%
CNG Bi-fuel	6.6	9.3	10.3	10.1	10.0	9.8	9.6	9.3	9.1	8.9	8.8	8.7	8.8	8.8	8.9	9.0	9.0	9.0	9.0	8.9	8.8	8.8	1.4%
LPG ICE	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.8%
LPG Bi-fuel	3.8	5.1	5.5	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	1.0%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.8	3.0	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	14.7	29.5	31.0	30.7	102.6	102.1	102.4	102.5	102.4	102.7	103.6	104.9	108.1	111.0	114.2	117.8	120.9	121.6	121.9	121.6	121.5	122.4	10.6%
Percent Alternative Car Sales	1.18	2.35	2.66	2.67	9.03	9.21	9.42	9.66	9.91	10.14	10.39	10.63	10.86	11.10	11.35	11.59	11.83	11.91	11.99	12.07	12.16	12.25	11.8%
Total New Car Sales	1242.0	1253.8	1165.3	1149.4	1136.4	1108.3	1087.7	1060.5	1032.6	1012.4	997.3	986.9	995.2	1000.1	1006.0	1015.9	1022.0	1020.9	1016.2	1007.1	999.5	999.1	-1.0%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	866.8	877.8	835.5	845.4	831.2	823.0	817.7	803.4	786.2	779.8	773.9	769.0	779.3	785.5	791.8	800.1	806.1	806.8	804.0	797.6	792.3	791.7	-0.4%
TDI Diesel ICE	63.9	82.8	78.6	77.3	71.3	70.0	69.7	71.4	73.4	69.2	67.4	67.3	66.5	66.2	66.3	66.9	66.2	65.7	65.5	64.8	64.0	63.9	0.0%
Total Conventional	930.7	960.5	914.2	922.6	902.4	893.0	887.4	874.8	859.6	849.0	841.3	836.3	845.8	851.7	858.0	867.0	872.3	872.5	869.5	862.5	856.4	855.6	-0.4%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	1.0	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	3.8%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0%
Ethanol-Flex Fuel ICE	57.5	61.3	59.5	60.7	59.3	59.2	59.0	58.0	56.6	56.2	55.9	55.8	57.0	57.9	58.8	59.9	60.8	61.2	61.2	60.8	60.5	60.6	0.3%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2%
Electric Vehicle	0.1	0.2	0.3	0.3	5.9	6.0	6.1	5.8	5.6	5.3	5.1	5.0	5.2	5.3	5.4	5.6	5.8	5.7	5.7	5.5	5.4	5.4	18.6%
Electric-Diesel Hybrid	0.0	0.4	0.4	0.4	2.4	2.6	2.9	3.2	3.6	3.6	3.8	4.1	4.4	4.7	5.1	5.6	6.0	6.0	6.0	5.9	5.7	5.6	41.5%
Electric-Gasoline Hybrid	0.1	4.8	4.5	4.5	27.3	28.5	29.7	30.5	31.3	32.2	33.1	34.3	36.2	38.0	39.8	41.7	43.6	44.2	44.5	44.6	44.7	45.2	32.9%
CNG ICE	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.6%
CNG Bi-fuel	4.1	6.4	7.7	7.8	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.6	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.4	8.5	8.7	3.6%
LPG ICE	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-1.4%
LPG Bi-fuel	2.6	3.7	4.4	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.3	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	2.7%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	1.2	2.1	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	66.6	79.8	80.0	81.4	110.4	111.8	113.1	112.8	112.3	112.4	112.9	114.1	117.9	121.3	124.6	128.7	132.3	133.5	134.0	133.8	133.9	135.5	3.4%

Table 37. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Middle Atlantic

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.68	7.67	8.04	8.10	10.90	11.12	11.30	11.42	11.55	11.69	11.83	12.01	12.24	12.47	12.68	12.93	13.17	13.27	13.35	13.43	13.52	13.67	3.5%
Total New Truck Sales	997.3	1040.3	994.1	1004.0	1012.8	1004.8	1000.5	987.6	971.8	961.4	954.2	950.4	963.8	973.0	982.6	995.8	1004.6	1006.0	1003.5	996.2	990.3	991.1	0.0%
Percent Total Alternative Sales	3.63	4.76	5.14	5.20	9.91	10.12	10.32	10.51	10.71	10.90	11.09	11.30	11.54	11.78	12.01	12.26	12.50	12.58	12.67	12.75	12.84	12.96	6.2%
EPACT Legislative Alternative Sales	19.37	30.13	36.57	36.49	36.43	35.83	35.41	34.74	34.00	33.49	33.11	32.87	33.25	33.49	33.75	34.15	34.40	34.41	34.29	34.01	33.78	33.79	2.7%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	82.53	81.62	81.12	80.02	78.79	78.06	77.66	77.58	78.93	79.97	81.09	82.55	83.68	84.23	84.47	84.33	84.32	84.89	N/A
Total Vehicles Sales	2239.3	2294.1	2159.4	2153.4	2149.3	2113.2	2088.1	2048.1	2004.5	1973.8	1951.5	1937.2	1959.0	1973.1	1988.6	2011.7	2026.6	2026.8	2019.7	2003.3	1989.8	1990.2	-0.6%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVI and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), "Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, "Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 38. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
East North Central**

	1999-																				2020		
Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	1385.8	1384.2	1289.4	1278.7	1221.3	1194.8	1175.0	1147.0	1117.5	1098.2	1083.2	1072.3	1082.4	1087.7	1094.0	1104.0	1111.0	1111.0	1107.2	1098.4	1091.2	1091.3	-1.1%
TDI Diesel ICE	31.6	36.8	34.1	32.7	28.8	27.8	27.5	27.9	28.4	27.0	26.4	26.5	26.2	26.4	26.7	27.6	27.4	27.8	28.2	28.5	28.8	29.4	-0.3%
Total Conventional	1417.4	1421.0	1323.6	1311.5	1250.2	1222.6	1202.5	1174.8	1145.9	1125.2	1109.6	1098.8	1108.7	1114.1	1120.7	1131.6	1138.3	1138.8	1135.4	1126.9	1120.1	1120.7	-1.1%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.9	1.3	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.6%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.9%
Ethanol-Flex Fuel ICE	2.3	3.4	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.7	2.3%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.8%
Electric Vehicle	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.8%
Electric-Diesel Hybrid	0.0	0.8	0.8	0.8	9.4	9.4	9.8	10.4	10.9	10.9	11.3	11.9	12.7	13.6	14.6	16.0	16.6	16.8	16.7	16.3	15.7	15.2	37.5%
Electric-Gasoline Hybrid	0.3	10.8	9.8	9.8	53.8	54.5	55.7	56.2	56.9	58.0	59.3	60.6	63.2	65.6	68.1	70.6	73.3	73.8	73.9	73.7	73.4	73.5	29.5%
CNG ICE	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-0.8%
CNG Bi-fuel	7.7	10.8	12.0	11.9	11.8	11.6	11.4	11.2	10.9	10.8	10.6	10.6	10.7	10.7	10.8	11.0	11.1	11.1	11.1	11.0	10.9	10.9	1.7%
LPG ICE	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-6.4%
LPG Bi-fuel	4.4	5.9	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.7	5.7	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	1.4%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.7	1.3	2.3	3.7	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	17.1	34.5	36.3	36.1	88.5	88.7	89.8	90.5	91.1	91.9	93.2	95.0	98.7	102.2	105.8	110.1	113.6	114.6	114.9	114.7	114.7	115.8	9.5%
Percent Alternative Car Sales	1.19	2.37	2.67	2.68	6.61	6.76	6.95	7.15	7.36	7.55	7.75	7.96	8.17	8.40	8.62	8.87	9.08	9.14	9.19	9.24	9.29	9.36	10.3%
Total New Car Sales	1434.5	1455.4	1359.9	1347.6	1338.6	1311.3	1292.3	1265.3	1237.0	1217.1	1202.7	1193.8	1207.4	1216.2	1226.5	1241.7	1252.0	1253.4	1250.3	1241.7	1234.8	1236.5	-0.7%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	996.3	1016.5	973.9	990.5	985.3	980.3	978.1	965.1	947.9	943.1	938.7	935.2	950.8	960.8	971.1	983.4	994.3	996.6	995.1	989.0	984.2	985.2	-0.1%
TDI Diesel ICE	78.7	98.2	92.7	90.9	84.0	82.7	82.8	85.0	87.9	83.5	81.6	82.0	81.0	81.0	81.0	82.6	80.8	81.2	81.2	80.6	79.8	79.8	0.1%
Total Conventional	1075.0	1114.7	1066.6	1081.4	1069.3	1063.0	1060.9	1050.1	1035.8	1026.5	1020.3	1017.2	1031.9	1041.8	1052.1	1066.0	1075.1	1077.7	1076.3	1069.6	1064.0	1065.0	0.0%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	1.1	1.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	4.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6%
Ethanol-Flex Fuel ICE	65.9	71.0	69.3	71.1	69.8	70.1	70.1	69.1	67.8	67.6	67.4	67.4	69.1	70.3	71.6	73.1	74.5	75.1	75.2	74.8	74.6	74.9	0.6%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2%
Electric Vehicle	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	3.9%
Electric-Diesel Hybrid	0.0	0.4	0.4	0.4	2.8	3.1	3.4	3.8	4.3	4.4	4.6	5.0	5.3	5.8	6.3	7.0	7.3	7.4	7.4	7.3	7.1	7.0	41.8%
Electric-Gasoline Hybrid	0.1	5.6	5.2	5.3	32.0	33.4	35.0	36.1	37.3	38.4	39.7	41.2	43.6	45.9	48.2	50.7	53.2	53.9	54.5	54.7	55.0	55.6	33.3%
CNG ICE	0.9	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	2.4%
CNG Bi-fuel	5.0	7.8	9.2	9.4	9.5	9.6	9.6	9.5	9.5	9.4	9.4	9.4	9.6	9.7	9.9	10.2	10.4	10.5	10.6	10.7	10.8	11.1	3.9%
LPG ICE	0.7	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	-2.4%
LPG Bi-fuel	3.0	4.3	5.2	5.2	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.6	5.5	5.5	5.6	3.0%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.5	2.6	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	76.9	92.9	93.6	95.8	123.7	125.8	127.8	128.2	128.4	129.2	130.5	132.4	137.3	141.6	145.9	151.0	155.6	157.3	158.4	158.7	159.4	161.6	3.6%

Table 38. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
East North Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.68	7.69	8.07	8.14	10.37	10.58	10.75	10.88	11.03	11.18	11.34	11.52	11.74	11.96	12.18	12.41	12.64	12.74	12.83	12.92	13.03	13.18	3.3%
Total New Truck Sales	1151.9	1207.7	1160.2	1177.2	1193.1	1188.8	1188.7	1178.3	1164.2	1155.7	1150.8	1149.7	1169.2	1183.3	1198.1	1217.0	1230.7	1235.1	1234.7	1228.3	1223.4	1226.6	0.3%
Percent Total Alternative Sales	3.63	4.78	5.16	5.22	8.38	8.58	8.77	8.95	9.14	9.32	9.50	9.71	9.93	10.16	10.38	10.62	10.85	10.93	11.00	11.07	11.15	11.26	5.5%
EPACT Legislative Alternative Sales	22.37	34.97	42.68	42.78	42.91	42.38	42.07	41.45	40.73	40.26	39.93	39.77	40.33	40.73	41.15	41.73	42.14	42.24	42.19	41.93	41.73	41.82	3.0%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	2586.4	2663.1	2520.0	2524.7	2531.7	2500.1	2481.0	2443.6	2401.2	2372.8	2353.6	2343.5	2376.5	2399.6	2424.6	2458.7	2482.7	2488.4	2485.1	2470.0	2458.1	2463.1	-0.2%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 39. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
West North Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	579.8	580.1	540.9	537.4	514.2	503.6	495.5	483.9	471.8	464.2	458.7	455.0	460.3	463.5	467.0	472.0	475.7	476.4	475.5	472.5	470.0	470.6	-1.0%
TDI Diesel ICE	12.7	15.0	14.4	13.8	12.2	11.7	11.6	11.8	12.0	11.4	11.2	11.3	11.2	11.3	11.4	11.8	11.7	11.9	12.1	12.2	12.4	12.6	0.0%
Total Conventional	592.4	595.1	555.3	551.2	526.3	515.3	507.1	495.6	483.8	475.7	469.9	466.3	471.5	474.7	478.4	483.8	487.4	488.3	487.7	484.7	482.4	483.2	-1.0%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.4	0.5	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.8%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.7%
Ethanol-Flex Fuel ICE	1.0	1.4	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.6%
Electric Vehicle	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.0%
Electric-Diesel Hybrid	0.0	0.3	0.3	0.3	4.0	4.0	4.1	4.4	4.6	4.6	4.8	5.1	5.4	5.8	6.2	6.8	7.1	7.2	7.2	7.0	6.8	6.6	37.9%
Electric-Gasoline Hybrid	0.1	4.5	4.1	4.1	22.5	22.9	23.4	23.6	23.9	24.4	25.0	25.6	26.8	27.9	28.9	30.1	31.3	31.5	31.6	31.6	31.5	31.6	29.7%
CNG ICE	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	2.1%
CNG Bi-fuel	3.2	4.6	5.1	5.1	5.0	4.9	4.9	4.8	4.6	4.6	4.5	4.5	4.6	4.6	4.6	4.7	4.8	4.8	4.8	4.7	4.7	4.7	1.8%
LPG ICE	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-10.0%
LPG Bi-fuel	1.8	2.5	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.5	1.5%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	1.0	1.6	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	7.2	14.7	15.5	15.4	37.3	37.4	37.9	38.2	38.5	38.9	39.5	40.3	42.0	43.5	45.1	47.1	48.6	49.1	49.3	49.3	49.4	49.9	9.6%
Percent Alternative Car Sales	1.20	2.40	2.71	2.72	6.62	6.77	6.95	7.15	7.36	7.55	7.75	7.96	8.17	8.40	8.62	8.86	9.07	9.13	9.19	9.23	9.28	9.36	10.3%
Total New Car Sales	599.7	609.8	570.8	566.5	563.6	552.8	545.0	533.8	522.2	514.5	509.4	506.6	513.4	518.2	523.6	530.9	536.1	537.4	537.0	534.0	531.7	533.1	-0.6%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	417.6	426.4	408.0	415.9	414.5	412.9	412.2	406.9	399.9	398.4	397.3	396.6	404.1	409.2	414.3	420.2	425.6	427.2	427.2	425.2	423.6	424.6	0.1%
TDI Diesel ICE	31.3	39.8	39.0	38.2	35.3	34.8	34.9	35.8	37.1	35.3	34.6	34.9	34.5	34.5	34.6	35.3	34.5	34.7	34.8	34.6	34.3	34.3	0.4%
Total Conventional	448.9	466.2	447.0	454.0	449.8	447.7	447.1	442.7	437.0	433.7	431.9	431.4	438.6	443.7	448.9	455.6	460.1	461.9	462.0	459.8	457.9	458.9	0.1%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.5	0.8	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	4.3%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0%
Ethanol-Flex Fuel ICE	27.7	29.8	29.0	29.8	29.3	29.5	29.5	29.1	28.6	28.5	28.5	28.6	29.4	29.9	30.5	31.2	31.9	32.2	32.3	32.2	32.1	32.3	0.7%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2%
Electric Vehicle	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.1%
Electric-Diesel Hybrid	0.0	0.2	0.2	0.2	1.2	1.3	1.4	1.6	1.8	1.8	1.9	2.1	2.3	2.5	2.7	3.0	3.1	3.2	3.2	3.1	3.1	3.0	42.2%
Electric-Gasoline Hybrid	0.1	2.3	2.2	2.2	13.4	14.0	14.7	15.1	15.6	16.1	16.7	17.4	18.5	19.5	20.5	21.6	22.7	23.0	23.3	23.4	23.6	23.9	33.6%
CNG ICE	0.2	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	6.6%
CNG Bi-fuel	2.2	3.5	4.1	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	4.0%
LPG ICE	0.7	0.9	0.7	0.7	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-5.5%
LPG Bi-fuel	1.2	1.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	3.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.1	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	32.6	39.7	39.9	40.9	52.6	53.4	54.2	54.4	54.5	54.9	55.5	56.4	58.6	60.5	62.5	64.8	66.9	67.7	68.3	68.5	68.9	70.0	3.7%

Table 39. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
West North Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.78	7.85	8.20	8.26	10.46	10.66	10.81	10.94	11.08	11.23	11.39	11.57	11.79	12.01	12.22	12.45	12.69	12.78	12.86	12.97	13.08	13.23	3.2%
Total New Truck Sales	481.5	506.0	487.0	494.9	502.3	501.1	501.3	497.1	491.5	488.6	487.4	487.9	497.2	504.2	511.4	520.4	527.0	529.6	530.3	528.3	526.8	528.9	0.4%
Percent Total Alternative Sales	3.69	4.88	5.24	5.30	8.43	8.62	8.80	8.98	9.17	9.34	9.53	9.73	9.95	10.18	10.40	10.64	10.87	10.95	11.02	11.09	11.17	11.29	5.5%
EPACT Legislative Alternative Sales	9.35	14.65	17.91	17.98	18.07	17.87	17.74	17.49	17.20	17.02	16.91	16.88	17.15	17.35	17.57	17.84	18.04	18.11	18.12	18.03	17.97	18.03	3.2%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1081.2	1115.8	1057.7	1061.4	1066.0	1053.9	1046.3	1030.9	1013.7	1003.1	996.8	994.5	1010.6	1022.5	1035.0	1051.3	1063.0	1067.0	1067.2	1062.3	1058.5	1062.0	-0.1%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 40. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
South Atlantic

Technology Type	1999-																				2020		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	1570.6	1577.3	1478.2	1475.6	1419.1	1397.9	1384.3	1360.8	1335.7	1323.1	1316.3	1314.6	1339.0	1357.9	1378.5	1404.0	1426.0	1439.4	1448.0	1450.1	1454.0	1467.7	-0.3%
TDI Diesel ICE	34.1	41.2	38.9	37.6	33.5	32.5	32.3	33.0	33.9	32.5	32.0	32.4	32.4	32.9	33.6	35.0	35.0	36.0	36.9	37.6	38.3	39.4	0.7%
Total Conventional	1604.7	1618.6	1517.1	1513.2	1452.5	1430.4	1416.6	1393.8	1369.5	1355.7	1348.3	1347.0	1371.4	1390.9	1412.1	1439.0	1461.1	1475.4	1484.9	1487.6	1492.4	1507.1	-0.3%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	1.0	1.5	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	3.5%
Methanol ICE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.3%
Ethanol-Flex Fuel ICE	2.6	3.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9	5.0	5.0	5.0	3.1%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.1%
Electric Vehicle	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	3.7%
Electric-Diesel Hybrid	0.0	0.9	0.9	0.9	10.9	11.0	11.5	12.3	13.0	13.2	13.7	14.6	15.7	17.0	18.4	20.4	21.4	21.8	21.9	21.6	21.0	20.5	38.8%
Electric-Gasoline Hybrid	0.4	12.2	11.1	11.2	61.7	63.1	64.9	66.0	67.3	69.2	71.3	73.7	77.6	81.2	85.0	89.1	93.3	94.8	95.9	96.5	97.0	98.1	30.6%
CNG ICE	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	0.4%
CNG Bi-fuel	8.7	12.4	13.8	13.8	13.8	13.6	13.5	13.3	13.1	13.0	12.9	13.0	13.2	13.4	13.7	14.0	14.2	14.4	14.5	14.5	14.6	14.7	2.5%
LPG ICE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-3.0%
LPG Bi-fuel	5.0	6.7	7.4	7.4	7.4	7.3	7.2	7.1	7.0	7.0	6.9	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.8	7.8	7.9	2.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.9	1.7	3.0	4.9	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	19.2	39.2	41.6	41.7	102.2	103.2	105.2	106.8	108.3	110.1	112.7	115.9	121.5	127.0	132.6	139.3	145.2	147.7	149.6	150.7	152.1	154.9	10.5%
Percent Alternative Car Sales	1.18	2.37	2.67	2.68	6.58	6.73	6.91	7.12	7.33	7.51	7.71	7.92	8.14	8.36	8.59	8.83	9.04	9.10	9.15	9.20	9.25	9.32	10.3%
Total New Car Sales	1623.9	1657.8	1558.7	1554.9	1554.8	1533.6	1521.9	1500.5	1477.8	1465.8	1461.0	1462.9	1492.9	1517.8	1544.7	1578.3	1606.3	1623.1	1634.5	1638.4	1644.5	1662.1	0.1%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	1132.5	1159.5	1116.7	1143.0	1144.6	1146.7	1152.2	1144.8	1132.8	1136.1	1140.7	1146.4	1176.1	1199.4	1223.5	1250.4	1276.1	1291.0	1301.3	1305.4	1311.2	1324.7	0.7%
TDI Diesel ICE	84.3	109.8	105.6	104.4	97.4	96.5	97.3	100.6	104.8	100.3	98.9	100.3	100.0	100.8	101.9	104.8	103.5	104.9	105.9	106.2	106.1	107.1	1.1%
Total Conventional	1216.8	1269.4	1222.2	1247.4	1242.0	1243.2	1249.5	1245.4	1237.5	1236.4	1239.6	1246.7	1276.1	1300.3	1325.3	1355.3	1379.5	1395.9	1407.2	1411.6	1417.3	1431.8	0.8%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	1.2	2.1	2.8	2.9	2.9	2.9	3.0	3.0	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.5	5.0%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3%
Ethanol-Flex Fuel ICE	75.1	81.0	79.5	82.0	81.1	82.0	82.6	82.0	81.0	81.4	81.9	82.6	85.5	87.8	90.3	93.0	95.7	97.2	98.3	98.8	99.4	100.7	1.4%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2%
Electric Vehicle	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	4.8%
Electric-Diesel Hybrid	0.0	0.5	0.5	0.5	3.2	3.6	4.0	4.5	5.1	5.3	5.6	6.1	6.6	7.2	7.9	8.9	9.4	9.6	9.7	9.7	9.5	9.4	43.2%
Electric-Gasoline Hybrid	0.1	6.3	5.9	6.0	36.7	38.6	40.7	42.3	44.0	45.8	47.7	50.0	53.4	56.8	60.2	63.8	67.6	69.3	70.6	71.6	72.7	74.2	34.5%
CNG ICE	1.1	1.6	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	3.3%
CNG Bi-fuel	5.7	9.2	10.8	11.1	11.3	11.5	11.6	11.6	11.6	11.6	11.6	11.8	12.1	12.4	12.7	13.1	13.5	13.8	14.1	14.3	14.6	15.1	4.8%
LPG ICE	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6%
LPG Bi-fuel	3.4	4.9	5.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.3	7.3	7.4	7.5	3.9%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	1.0	2.0	3.5	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	87.2	106.2	107.6	110.8	143.7	147.1	150.4	152.0	153.3	155.5	158.4	162.1	169.6	176.5	183.6	191.7	199.4	203.5	206.9	209.2	212.0	217.1	4.4%

Table 40. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
South Atlantic

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.69	7.72	8.09	8.16	10.37	10.58	10.75	10.88	11.02	11.17	11.33	11.51	11.73	11.95	12.17	12.39	12.63	12.72	12.82	12.91	13.01	13.16	3.3%
Total New Truck Sales	1304.0	1375.6	1329.8	1358.3	1385.7	1390.3	1399.9	1397.4	1390.8	1391.9	1398.0	1408.9	1445.7	1476.7	1508.9	1547.0	1579.0	1599.4	1614.0	1620.8	1629.3	1648.8	1.1%
Percent Total Alternative Sales	3.63	4.80	5.17	5.24	8.36	8.56	8.75	8.93	9.12	9.30	9.48	9.68	9.91	10.13	10.36	10.59	10.82	10.90	10.97	11.04	11.12	11.24	5.5%
EPACT Legislative Alternative Sales	25.32	39.84	48.92	49.36	49.84	49.57	49.54	49.15	48.66	48.48	48.51	48.73	49.87	50.82	51.83	53.05	54.07	54.70	55.15	55.33	55.58	56.21	3.9%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	2927.9	3033.4	2888.6	2913.2	2940.5	2923.9	2921.8	2898.0	2868.7	2857.7	2859.0	2871.8	2938.6	2994.6	3053.6	3125.4	3185.2	3222.5	3248.5	3259.1	3273.8	3310.9	0.6%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 41. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
East South Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	520.3	520.7	486.9	484.7	464.5	455.7	449.2	439.4	429.0	422.6	418.0	414.9	420.0	423.2	426.7	431.7	435.5	436.6	436.2	433.9	432.1	433.3	-0.9%
TDI Diesel ICE	10.9	14.2	13.4	12.8	11.3	11.0	10.9	11.0	11.3	10.8	10.5	10.6	10.5	10.6	10.7	11.1	11.1	11.3	11.5	11.6	11.8	12.0	0.4%
Total Conventional	531.2	534.9	500.3	497.5	475.8	466.7	460.1	450.4	440.3	433.3	428.5	425.5	430.5	433.8	437.5	442.8	446.6	447.9	447.7	445.5	443.9	445.3	-0.8%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.9%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.9%
Ethanol-Flex Fuel ICE	0.9	1.3	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.7%
Electric Vehicle	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.1%
Electric-Diesel Hybrid	0.0	0.3	0.3	0.3	3.7	3.7	3.8	4.1	4.3	4.3	4.5	4.7	5.1	5.4	5.8	6.4	6.7	6.8	6.8	6.6	6.4	6.2	38.4%
Electric-Gasoline Hybrid	0.1	4.0	3.7	3.7	20.3	20.6	21.1	21.4	21.7	22.1	22.7	23.3	24.4	25.3	26.4	27.4	28.5	28.8	28.9	28.9	28.9	29.0	29.9%
CNG ICE	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0%
CNG Bi-fuel	2.9	4.1	4.6	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.3	4.3	4.3	2.0%
LPG ICE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.1%
LPG Bi-fuel	1.7	2.2	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.6%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.5	0.9	1.5	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	6.3	13.0	13.8	13.7	33.6	33.8	34.3	34.6	34.9	35.3	36.0	36.8	38.3	39.7	41.2	43.0	44.5	45.0	45.3	45.3	45.4	45.9	9.9%
Percent Alternative Car Sales	1.18	2.37	2.68	2.69	6.60	6.75	6.94	7.14	7.35	7.54	7.74	7.95	8.17	8.39	8.62	8.86	9.07	9.13	9.18	9.23	9.28	9.35	10.4%
Total New Car Sales	537.5	547.9	514.0	511.2	509.4	500.4	494.4	485.1	475.2	468.7	464.5	462.3	468.8	473.5	478.7	485.9	491.1	492.9	493.0	490.8	489.3	491.3	-0.4%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	375.8	381.4	366.7	374.4	373.8	373.0	373.0	368.8	362.9	362.0	361.4	361.0	368.1	373.0	378.0	383.7	389.0	390.9	391.4	390.0	389.1	390.5	0.2%
TDI Diesel ICE	26.9	38.2	36.5	35.8	33.2	32.8	32.9	33.8	35.0	33.4	32.7	33.0	32.7	32.7	32.8	33.5	32.8	33.0	33.1	32.9	32.7	32.7	0.9%
Total Conventional	402.7	419.6	403.2	410.2	407.0	405.8	405.9	402.6	398.0	395.4	394.1	394.0	400.8	405.7	410.8	417.2	421.8	423.9	424.4	422.9	421.7	423.2	0.2%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.4	0.7	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.4%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9%
Ethanol-Flex Fuel ICE	24.9	26.6	26.1	26.8	26.4	26.6	26.7	26.4	25.9	25.9	26.0	26.7	26.7	27.3	27.9	28.5	29.1	29.4	29.5	29.5	29.5	29.7	0.8%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1%
Electric Vehicle	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	4.2%
Electric-Diesel Hybrid	0.0	0.2	0.2	0.2	1.1	1.2	1.3	1.5	1.7	1.7	1.8	2.0	2.1	2.3	2.5	2.8	2.9	3.0	3.0	3.0	2.9	2.9	42.8%
Electric-Gasoline Hybrid	0.0	2.1	1.9	2.0	12.0	12.6	13.2	13.7	14.2	14.6	15.2	15.8	16.8	17.7	18.6	19.6	20.7	21.0	21.3	21.4	21.6	21.9	33.7%
CNG ICE	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	4.2%
CNG Bi-fuel	1.9	3.0	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.1%
LPG ICE	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.4%
LPG Bi-fuel	1.1	1.6	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	3.3%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.6	1.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	29.0	35.0	35.4	36.3	47.0	47.9	48.8	49.1	49.2	49.7	50.3	51.2	53.2	55.0	56.9	59.0	60.9	61.8	62.4	62.6	63.1	64.1	3.9%

Table 41. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
East South Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.72	7.70	8.07	8.14	10.36	10.57	10.73	10.87	11.01	11.16	11.32	11.50	11.72	11.94	12.16	12.39	12.62	12.72	12.81	12.90	13.01	13.16	3.3%
Total New Truck Sales	431.7	454.6	438.5	446.6	454.0	453.7	454.8	451.7	447.2	445.1	444.4	445.2	454.0	460.7	467.6	476.2	482.8	485.7	486.8	485.5	484.8	487.4	0.6%
Percent Total Alternative Sales	3.64	4.79	5.16	5.23	8.37	8.57	8.76	8.94	9.13	9.30	9.49	9.69	9.92	10.14	10.37	10.61	10.83	10.91	10.99	11.05	11.13	11.25	5.5%
EPACT Legislative Alternative Sales	8.38	13.17	16.13	16.23	16.33	16.18	16.09	15.89	15.65	15.50	15.42	15.40	15.66	15.86	16.06	16.33	16.53	16.61	16.63	16.57	16.54	16.61	3.3%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	969.2	1002.5	952.5	957.8	963.5	954.1	949.1	936.8	922.4	913.8	908.9	907.5	922.8	934.2	946.3	962.1	973.9	978.6	979.7	976.3	974.1	978.6	0.0%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneal/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 42. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
West South Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	915.4	918.4	859.3	856.4	821.9	807.9	798.3	783.0	766.8	757.7	751.9	749.0	760.8	769.1	778.1	789.8	799.3	803.9	805.8	804.0	803.3	808.0	-0.6%
TDI Diesel ICE	20.7	24.7	23.6	22.7	20.1	19.5	19.4	19.7	20.2	19.3	18.9	19.1	19.1	19.3	19.7	20.4	20.4	20.9	21.3	21.7	22.0	22.6	0.4%
Total Conventional	936.1	943.1	882.9	879.1	842.0	827.4	817.7	802.8	786.9	777.0	770.9	768.1	779.9	788.4	797.8	810.2	819.7	824.8	827.1	825.6	825.3	830.6	-0.6%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7%
Ethanol-Flex Fuel ICE	1.5	2.3	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.3%
Electric Vehicle	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	3.4%
Electric-Diesel Hybrid	0.0	0.5	0.5	0.5	6.5	6.5	6.8	7.3	7.7	7.8	8.0	8.5	9.2	9.9	10.7	11.8	12.3	12.5	12.5	12.3	12.0	11.6	38.5%
Electric-Gasoline Hybrid	0.2	7.1	6.5	6.5	35.9	36.6	37.5	38.1	38.7	39.7	40.9	42.1	44.2	46.1	48.1	50.2	52.4	53.0	53.5	53.6	53.7	54.1	30.3%
CNG ICE	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	-1.5%
CNG Bi-fuel	5.1	7.3	8.1	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.4	7.5	7.6	7.7	7.9	8.0	8.1	8.1	8.1	8.1	8.1	2.2%
LPG ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	8.5%
LPG Bi-fuel	2.9	3.9	4.3	4.3	4.3	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3	1.9%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.9	1.7	2.7	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	11.3	23.0	24.4	24.4	59.7	60.1	61.1	61.9	62.6	63.5	64.8	66.5	69.5	72.4	75.4	79.0	82.0	83.2	83.9	84.3	84.8	86.1	10.2%
Percent Alternative Car Sales	1.19	2.38	2.69	2.70	6.62	6.77	6.96	7.16	7.37	7.56	7.76	7.97	8.18	8.41	8.64	8.88	9.09	9.16	9.21	9.27	9.32	9.39	10.3%
Total New Car Sales	947.4	966.1	907.3	903.5	901.7	887.5	878.8	864.7	849.6	840.5	835.7	834.6	849.4	860.8	873.2	889.2	901.7	907.9	911.0	910.0	910.1	916.7	-0.2%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	658.3	673.6	647.1	661.4	661.2	660.9	662.7	656.9	648.3	648.8	649.8	651.4	666.5	677.5	688.8	701.5	713.3	719.0	722.1	721.6	722.1	726.8	0.5%
TDI Diesel ICE	51.5	66.0	64.2	63.3	58.9	58.3	58.6	60.5	62.8	59.9	58.9	59.5	59.2	59.5	60.0	61.5	60.5	61.1	61.5	61.4	61.1	61.4	0.8%
Total Conventional	709.8	739.6	711.3	724.7	720.1	719.2	721.3	717.4	711.2	708.7	708.7	711.0	725.7	737.1	748.8	763.0	773.8	780.2	783.5	783.0	783.2	788.3	0.5%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.7	1.2	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	4.7%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.1%
Ethanol-Flex Fuel ICE	43.6	47.0	46.0	47.4	46.8	47.2	47.4	47.0	46.3	46.4	46.6	46.8	48.4	49.5	50.7	52.1	53.4	54.0	54.4	54.5	54.6	55.1	1.1%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0%
Electric Vehicle	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.5%
Electric-Diesel Hybrid	0.0	0.3	0.3	0.3	1.9	2.1	2.4	2.7	3.0	3.1	3.3	3.6	3.9	4.2	4.6	5.1	5.4	5.5	5.6	5.5	5.4	5.4	42.8%
Electric-Gasoline Hybrid	0.1	3.7	3.4	3.5	21.3	22.4	23.6	24.4	25.3	26.2	27.3	28.5	30.4	32.2	34.0	35.9	37.9	38.7	39.3	39.7	40.1	40.7	34.1%
CNG ICE	0.6	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	-0.5%
CNG Bi-fuel	3.4	5.5	6.4	6.6	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.0	7.1	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.5	4.4%
LPG ICE	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.1	1.2	1.4	1.6	1.8	2.1	2.6	10.2%
LPG Bi-fuel	2.0	2.9	3.4	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.1	4.1	4.1	3.6%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	1.1	1.9	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	50.9	62.0	62.7	64.5	83.6	85.4	87.1	87.8	88.4	89.4	90.9	92.8	96.8	100.5	104.2	108.5	112.5	114.5	116.1	117.1	118.5	121.1	4.2%

Table 42. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
West South Central

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.69	7.73	8.10	8.18	10.40	10.61	10.78	10.91	11.05	11.21	11.37	11.55	11.77	12.00	12.22	12.45	12.70	12.80	12.91	13.01	13.14	13.32	3.3%
Total New Truck Sales	760.7	801.6	774.0	789.2	803.6	804.6	808.4	805.2	799.5	798.1	799.6	803.8	822.6	837.5	853.0	871.6	886.4	894.7	899.6	900.2	901.7	909.4	0.9%
Percent Total Alternative Sales	3.64	4.81	5.18	5.25	8.40	8.60	8.79	8.97	9.16	9.33	9.52	9.72	9.95	10.18	10.41	10.65	10.88	10.97	11.05	11.13	11.22	11.35	5.6%
EPACT Legislative Alternative Sales	14.77	23.21	28.48	28.68	28.90	28.69	28.61	28.32	27.97	27.80	27.75	27.80	28.38	28.83	29.30	29.89	30.35	30.60	30.74	30.73	30.76	31.00	3.6%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1708.1	1767.7	1681.3	1692.7	1705.3	1692.1	1687.2	1669.9	1649.1	1638.6	1635.3	1638.4	1672.0	1698.4	1726.2	1760.7	1788.1	1802.6	1810.7	1810.1	1811.9	1826.1	0.3%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 43. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Mountain

Technology Type	1999-																				2020		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	514.8	525.9	500.8	505.5	491.2	487.7	486.3	480.6	474.0	471.4	470.6	471.1	480.4	487.0	494.7	504.8	514.8	522.3	528.5	532.9	539.1	549.6	0.3%
TDI Diesel ICE	12.5	14.6	14.6	14.2	12.7	12.4	12.4	12.7	13.1	12.7	12.5	12.7	12.7	12.9	13.1	13.7	13.8	14.2	14.6	15.0	15.5	16.1	1.2%
Total Conventional	527.2	540.5	515.4	519.7	503.9	500.1	498.7	493.4	487.1	484.1	483.1	483.8	493.0	499.9	507.9	518.6	528.6	536.5	543.1	548.0	554.6	565.7	0.3%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.3	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	4.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.4%
Ethanol-Flex Fuel ICE	0.9	1.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	3.8%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.0%
Electric Vehicle	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	4.3%
Electric-Diesel Hybrid	0.0	0.3	0.3	0.3	4.0	4.1	4.3	4.6	4.9	5.0	5.2	5.6	6.0	6.5	7.0	7.8	8.2	8.4	8.5	8.4	8.3	8.1	39.6%
Electric-Gasoline Hybrid	0.1	4.1	3.9	3.9	21.9	22.5	23.3	23.8	24.4	25.1	26.0	26.8	28.3	29.6	31.0	32.5	34.2	34.9	35.5	36.0	36.5	37.3	31.3%
CNG ICE	0.6	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-8.4%
CNG Bi-fuel	2.9	4.2	4.7	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4	5.4	5.4	5.6	3.1%
LPG ICE	0.4	0.5	0.6	1.1	1.5	1.8	1.9	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	8.4%
LPG Bi-fuel	1.6	2.2	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	2.9%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	1.1	1.9	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	7.0	13.7	14.8	15.4	37.5	38.3	39.4	40.2	41.0	41.8	42.8	44.1	46.2	48.1	50.3	52.9	55.3	56.5	57.5	58.3	59.4	61.0	10.9%
Percent Alternative Car Sales	1.31	2.46	2.79	2.87	6.93	7.12	7.33	7.54	7.76	7.94	8.14	8.35	8.56	8.78	9.02	9.26	9.47	9.53	9.58	9.62	9.67	9.74	10.0%
Total New Car Sales	534.2	554.1	530.2	535.1	541.4	538.5	538.2	533.6	528.1	525.8	525.9	527.9	539.2	548.0	558.2	571.5	583.8	593.0	600.6	606.3	613.9	626.7	0.8%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	368.1	384.3	374.7	387.6	392.3	396.0	400.5	399.9	397.3	400.3	403.4	406.3	417.5	425.7	434.6	445.0	456.0	463.8	470.2	474.9	481.2	490.9	1.4%
TDI Diesel ICE	31.4	39.1	40.1	39.9	37.4	37.3	37.8	39.2	41.0	39.4	38.9	39.5	39.4	39.6	40.0	41.2	40.8	41.5	42.1	42.4	42.7	43.5	1.6%
Total Conventional	399.5	423.4	414.7	427.4	429.7	433.3	438.3	439.2	438.4	439.7	442.3	445.9	456.8	465.4	474.6	486.2	496.8	505.3	512.3	517.4	523.9	534.4	1.4%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.4	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	5.7%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.3%
Ethanol-Flex Fuel ICE	24.2	26.7	26.5	27.6	27.6	28.1	28.5	28.4	28.2	28.4	28.7	29.0	30.1	30.9	31.8	32.8	33.9	34.6	35.2	35.6	36.1	36.9	2.0%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7%
Electric Vehicle	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.5%
Electric-Diesel Hybrid	0.0	0.2	0.2	0.2	1.2	1.3	1.5	1.7	1.9	2.0	2.1	2.3	2.5	2.8	3.0	3.4	3.6	3.7	3.8	3.8	3.7	3.7	43.9%
Electric-Gasoline Hybrid	0.0	2.1	2.0	2.1	12.9	13.7	14.5	15.1	15.8	16.4	17.2	18.0	19.3	20.5	21.7	23.0	24.5	25.2	25.8	26.3	26.9	27.7	35.1%
CNG ICE	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-7.5%
CNG Bi-fuel	2.0	3.2	3.8	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.8	5.2%
LPG ICE	1.1	1.4	1.7	2.7	3.6	4.3	4.6	4.9	5.0	5.0	5.1	5.2	5.3	5.4	5.7	6.0	6.1	6.2	6.5	6.7	7.0	7.4	9.6%
LPG Bi-fuel	1.1	1.6	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	4.5%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.3	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	29.5	36.4	37.6	40.0	52.8	54.9	56.7	57.8	58.6	59.7	60.9	62.5	65.3	67.8	70.7	73.9	77.1	79.1	80.9	82.4	84.3	87.3	5.3%

Table 43. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Mountain

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.88	7.92	8.31	8.55	10.94	11.25	11.46	11.63	11.79	11.95	12.10	12.29	12.51	12.72	12.97	13.20	13.43	13.53	13.63	13.74	13.87	14.05	3.5%
Total New Truck Sales	429.0	459.8	452.3	467.4	482.5	488.2	495.0	497.0	497.0	499.3	503.2	508.4	522.1	533.2	545.3	560.1	573.9	584.4	593.1	599.8	608.3	621.8	1.8%
Percent Total Alternative Sales	3.79	4.94	5.33	5.52	8.82	9.08	9.31	9.51	9.71	9.89	10.08	10.28	10.50	10.72	10.97	11.21	11.43	11.51	11.59	11.67	11.76	11.88	5.6%
EPACT Legislative Alternative Sales	8.33	13.32	16.64	16.99	17.35	17.40	17.52	17.48	17.39	17.39	17.46	17.58	18.01	18.35	18.73	19.21	19.65	19.99	20.27	20.48	20.75	21.20	4.5%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	963.2	1013.9	982.5	1002.5	1023.9	1026.6	1033.2	1030.6	1025.1	1025.2	1029.1	1036.2	1061.3	1081.2	1103.5	1131.6	1157.8	1177.4	1193.8	1206.1	1222.2	1248.5	1.2%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/oneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 44. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Pacific**

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	1322.4	1325.1	1233.1	1222.8	1029.6	1011.9	1068.1	1041.3	1017.1	1001.8	990.8	984.1	997.2	1005.8	1015.6	1028.1	1039.1	1044.4	1045.6	1043.0	1041.8	1046.2	-1.1%
TDI Diesel ICE	33.1	34.3	32.8	31.1	29.5	28.8	29.0	30.9	30.7	29.4	28.9	29.1	28.9	29.5	30.1	32.2	32.5	32.8	33.4	33.3	33.2	34.5	0.2%
Total Conventional	1355.4	1359.3	1265.8	1253.9	1059.2	1040.7	1097.1	1072.2	1047.8	1031.2	1019.7	1013.1	1026.1	1035.3	1045.7	1060.4	1071.6	1077.2	1079.0	1076.2	1075.0	1080.8	-1.1%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	0.8	1.3	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.1%
Ethanol-Flex Fuel ICE	2.2	3.3	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	2.6%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4%
Electric Vehicle	0.3	0.4	0.4	0.4	55.4	54.6	54.0	53.6	53.1	53.0	53.1	53.2	54.0	54.6	55.4	56.1	56.7	57.3	57.6	57.8	58.1	58.5	29.2%
Electric-Diesel Hybrid	0.0	0.7	0.8	0.7	21.7	20.7	10.0	11.0	11.4	11.5	11.9	12.6	13.5	14.6	15.8	17.8	18.8	18.9	18.9	18.3	17.5	17.2	38.1%
Electric-Gasoline Hybrid	0.3	10.5	9.5	9.5	120.3	115.9	54.4	55.2	55.7	56.9	58.3	59.8	62.6	65.1	67.8	70.6	73.4	74.3	74.8	74.8	74.9	75.5	29.7%
CNG ICE	1.4	1.1	0.9	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	-1.5%
CNG Bi-fuel	7.5	10.5	11.6	11.5	11.4	11.2	11.0	10.9	10.6	10.5	10.4	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.2	11.2	11.1	11.2	1.9%
LPG ICE	0.7	0.7	0.5	0.5	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-12.3%
LPG Bi-fuel	4.2	5.6	6.2	6.1	6.1	6.0	5.9	5.8	5.6	5.6	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0	5.9	5.9	6.0	1.7%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.7	1.3	2.3	3.8	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	17.5	34.0	35.5	35.2	221.5	214.8	141.7	142.7	142.7	143.5	145.2	147.4	152.2	156.8	161.7	167.7	172.5	174.3	175.6	175.8	176.3	178.7	11.7%
Percent Alternative Car Sales	1.27	2.44	2.73	2.73	17.30	17.11	11.44	11.75	11.98	12.22	12.47	12.70	12.92	13.15	13.39	13.65	13.87	13.93	14.00	14.04	14.09	14.19	12.2%
Total New Car Sales	1372.9	1393.3	1301.3	1289.1	1280.7	1255.5	1238.8	1214.9	1190.4	1174.7	1164.9	1160.5	1178.4	1192.1	1207.4	1228.0	1244.1	1251.5	1254.6	1252.0	1251.3	1259.4	-0.4%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	943.8	973.9	930.2	946.6	904.5	900.1	915.1	898.6	887.6	886.4	885.5	885.8	904.7	917.2	930.9	943.2	957.4	966.2	969.9	971.2	973.6	978.0	0.2%
TDI Diesel ICE	83.8	91.0	88.8	86.2	87.3	87.2	89.1	97.3	97.2	93.0	91.8	92.3	91.3	92.5	93.4	99.2	98.7	97.8	98.0	95.6	93.2	95.3	0.6%
Total Conventional	1027.5	1064.8	1019.0	1032.8	991.8	987.3	1004.2	995.9	984.8	979.4	977.3	978.1	996.0	1009.8	1024.4	1042.4	1056.1	1064.0	1067.9	1066.8	1066.9	1073.2	0.2%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	1.1	1.8	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	4.5%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5%
Ethanol-Flex Fuel ICE	62.1	68.0	66.1	67.9	65.9	66.2	66.1	64.8	63.9	63.9	64.1	66.1	66.1	67.5	69.0	70.4	72.0	73.1	73.6	73.8	74.2	74.7	0.9%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2%
Electric Vehicle	0.2	0.3	0.3	0.3	11.8	11.9	12.1	11.7	11.2	10.7	10.3	10.1	10.4	10.7	10.8	11.3	11.6	11.5	11.4	11.1	10.8	10.8	22.0%
Electric-Diesel Hybrid	0.0	0.4	0.4	0.4	4.4	4.7	3.5	4.2	4.5	4.7	5.0	5.4	5.8	6.3	6.9	7.9	8.4	8.5	8.5	8.3	8.0	8.0	42.5%
Electric-Gasoline Hybrid	0.1	5.4	5.0	5.1	47.9	48.8	34.2	35.4	36.5	37.7	39.1	40.6	43.2	45.6	48.0	50.5	53.1	54.1	54.9	55.4	55.8	56.8	33.6%
CNG ICE	1.3	1.2	1.0	1.0	1.1	1.3	1.5	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.3%
CNG Bi-fuel	5.4	8.0	9.3	9.5	9.7	9.7	9.8	10.0	9.9	9.8	9.8	9.8	10.0	10.2	10.5	10.9	11.1	11.3	11.6	11.7	11.8	12.3	4.0%
LPG ICE	1.9	2.1	1.7	1.7	1.2	0.8	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-8.2%
LPG Bi-fuel	2.9	4.1	4.9	5.0	5.1	5.1	5.1	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.6	5.6	5.6	3.3%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.5	2.7	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	75.0	91.3	91.3	93.2	149.6	151.0	135.4	135.5	135.5	136.1	137.4	139.5	145.1	150.1	155.1	161.2	166.8	169.3	171.0	171.7	172.9	176.1	4.2%

Table 44. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Pacific

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.80	7.90	8.22	8.28	13.10	13.27	11.88	11.98	12.10	12.20	12.32	12.48	12.71	12.94	13.15	13.39	13.64	13.73	13.80	13.87	13.94	14.10	3.5%
Total New Truck Sales	1102.5	1156.1	1110.2	1126.1	1141.4	1138.3	1139.5	1131.4	1120.3	1115.5	1114.7	1117.7	1141.1	1159.8	1179.5	1203.7	1222.9	1233.3	1238.9	1238.5	1239.7	1249.4	0.6%
Percent Total Alternative Sales	3.74	4.91	5.26	5.32	15.32	15.28	11.65	11.86	12.04	12.21	12.40	12.59	12.82	13.05	13.27	13.52	13.75	13.83	13.90	13.95	14.02	14.14	6.5%
EPACT Legislative Alternative Sales	21.41	33.48	40.85	40.92	41.05	40.58	40.33	39.80	39.20	38.86	38.68	38.66	39.36	39.92	40.51	41.28	41.88	42.18	42.33	42.28	42.29	42.59	3.3%
Z EVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	166.06	164.33	163.41	161.29	158.86	157.44	156.69	156.55	159.32	161.45	163.74	166.69	169.00	170.12	170.63	170.36	170.34	171.51	N/A
Total Vehicles Sales	2475.4	2549.4	2411.6	2415.2	2422.1	2393.8	2378.3	2346.3	2310.8	2290.2	2279.6	2278.2	2319.5	2351.9	2386.9	2431.7	2467.0	2484.8	2493.5	2490.5	2491.0	2508.8	0.1%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

Z EVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 45. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
United States

Technology Type	1999-																				2020		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
New Car Sales 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	8434.7	8449.4	7890.1	7845.8	7333.4	7196.9	7167.9	7011.1	6849.9	6752.1	6682.8	6639.4	6726.9	6784.7	6849.7	6938.7	7010.7	7041.5	7048.3	7024.6	7011.9	7045.5	-0.9%
TDI Diesel ICE	191.3	223.7	211.8	203.5	182.0	176.4	175.2	179.5	182.5	174.4	170.8	171.9	171.2	173.1	175.9	183.2	183.4	186.7	190.1	192.2	194.6	199.8	0.2%
Total Conventional	8626.0	8673.1	8101.9	8049.3	7515.4	7373.4	7343.1	7190.6	7032.4	6926.5	6853.6	6811.4	6898.1	6957.8	7025.7	7121.9	7194.0	7228.2	7238.4	7216.8	7206.5	7245.3	-0.8%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	5.2	8.0	10.1	10.0	9.9	9.7	9.6	9.4	9.2	9.1	9.0	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.7	9.7	9.7	9.7	3.0%
Methanol ICE	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-2.7%
Ethanol-Flex Fuel ICE	14.2	20.8	25.6	25.4	25.1	24.7	24.3	23.9	23.4	23.1	22.9	22.8	23.1	23.3	23.6	24.0	24.3	24.4	24.5	24.4	24.4	24.5	2.6%
Ethanol ICE	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-2.9%
Electric Vehicle	1.7	2.4	2.7	2.7	100.1	98.3	97.2	96.5	95.5	95.3	95.5	95.7	97.2	98.3	99.8	101.1	102.2	103.1	103.8	104.1	104.6	105.4	21.8%
Electric-Diesel Hybrid	0.1	4.8	4.8	4.8	71.2	70.3	61.8	66.1	69.4	69.9	72.3	76.5	82.1	88.4	95.1	105.1	110.2	111.3	111.4	108.9	105.4	102.4	38.2%
Electric-Gasoline Hybrid	2.0	65.8	60.3	60.4	399.1	399.5	344.7	349.4	354.0	362.2	371.3	381.1	399.1	415.7	432.7	450.7	469.2	474.8	477.8	478.3	478.6	481.9	30.0%
CNG ICE	5.8	5.5	5.1	5.2	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	-0.9%
CNG Bi-fuel	47.0	66.5	73.9	73.5	73.1	71.8	70.9	69.7	68.3	67.4	66.8	66.6	67.5	68.3	69.1	70.2	71.1	71.5	71.7	71.5	71.4	71.9	2.0%
LPG ICE	2.2	2.4	2.1	2.5	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	3.0	1.4%
LPG Bi-fuel	26.9	36.0	39.5	39.3	39.1	38.4	37.9	37.3	36.5	36.1	35.8	35.6	36.2	36.6	37.0	37.6	38.1	38.3	38.4	38.3	38.3	38.6	1.7%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.9	2.1	4.5	8.4	14.8	24.2	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	105.6	212.5	224.4	224.1	725.4	720.7	654.3	659.8	663.9	670.4	680.9	694.6	721.7	747.2	774.3	806.2	833.4	843.1	849.5	851.5	855.1	866.8	10.5%
Percent Alternative Car Sales	1.21	2.39	2.70	2.71	8.80	8.90	8.18	8.41	8.63	8.82	9.04	9.25	9.47	9.70	9.93	10.17	10.38	10.45	10.50	10.55	10.61	10.69	10.9%
Total New Car Sales	8731.6	8885.7	8326.3	8273.4	8240.8	8094.0	7997.4	7850.4	7696.3	7596.9	7534.5	7505.9	7619.7	7705.0	7800.0	7928.2	8027.5	8071.4	8087.8	8068.3	8061.6	8112.1	-0.3%
New Light Truck Sales 2/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	6063.4	6203.3	5950.6	6068.1	6006.9	5991.2	6009.4	5938.5	5851.9	5842.8	5837.5	5837.9	5958.2	6042.7	6130.8	6229.5	6322.8	6367.9	6387.3	6379.7	6380.9	6416.5	0.3%
TDI Diesel ICE	476.6	596.9	575.5	565.8	532.5	527.1	530.5	551.9	568.4	541.4	531.8	535.9	531.3	533.6	536.7	552.4	545.0	547.0	549.0	545.4	540.5	544.5	0.6%
Total Conventional	6540.0	6800.3	6526.1	6633.9	6539.5	6518.3	6540.0	6490.4	6420.3	6384.2	6369.3	6373.7	6489.5	6576.4	6667.5	6781.8	6867.8	6914.9	6936.3	6925.0	6921.4	6961.1	0.3%
Alternative-Fuel Vehicles																							
Methanol-Flex Fuel ICE	6.7	11.3	15.0	15.3	15.5	15.5	15.5	15.4	15.3	15.2	15.2	15.3	15.6	15.8	16.1	16.4	16.7	16.8	16.9	16.9	16.9	17.0	4.5%
Methanol ICE	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.4%
Ethanol-Flex Fuel ICE	401.0	432.8	423.2	435.0	427.6	430.3	431.5	426.1	419.1	419.1	419.6	421.0	433.5	442.9	452.7	463.7	474.3	480.0	483.1	483.2	484.0	488.1	0.9%
Ethanol ICE	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	-0.5%
Electric Vehicle	1.0	1.7	2.1	2.2	22.2	22.5	22.8	22.0	21.1	20.3	19.6	19.2	19.8	20.3	20.5	21.4	22.1	21.9	21.7	21.2	20.7	20.7	15.3%
Electric-Diesel Hybrid	0.0	2.6	2.6	2.6	19.1	21.0	21.5	24.6	27.3	28.0	29.6	32.2	34.7	37.7	41.0	46.0	48.5	49.3	49.7	49.0	47.9	47.3	42.5%
Electric-Gasoline Hybrid	0.8	34.2	31.8	32.4	213.5	222.4	216.5	224.0	231.7	239.5	248.3	258.8	275.0	290.5	306.0	322.6	339.9	346.3	351.2	354.3	357.6	363.4	33.8%
CNG ICE	5.8	6.8	6.5	6.8	6.9	7.4	7.7	8.0	8.2	8.0	8.0	8.1	8.2	8.3	8.4	8.7	8.8	9.0	9.1	9.1	9.2	9.4	2.3%
CNG Bi-fuel	31.2	49.1	57.9	59.1	60.1	60.6	60.9	60.9	60.7	60.2	60.2	60.7	61.9	63.1	64.5	66.5	68.0	69.3	70.4	71.3	72.4	74.5	4.2%
LPG ICE	6.6	7.5	6.5	7.4	7.4	7.1	6.9	6.8	6.8	6.8	6.9	7.1	7.3	7.5	8.1	8.6	8.8	9.2	9.7	10.2	10.9	11.9	2.9%
LPG Bi-fuel	18.2	26.3	31.5	32.1	32.6	32.6	32.7	32.6	32.3	32.2	32.2	32.3	33.0	33.5	34.1	34.8	35.4	35.7	35.9	36.0	36.1	36.4	3.4%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0	2.4	5.0	9.7	17.3	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	471.7	572.7	577.5	593.2	805.1	819.7	816.4	820.5	822.8	829.7	839.9	854.9	889.3	920.0	951.7	989.0	1023.2	1038.8	1050.4	1056.6	1065.7	1086.5	4.1%

Table 45. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
United States

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Percent Alternative Light Truck Sales	6.73	7.77	8.13	8.21	10.96	11.17	11.10	11.22	11.36	11.50	11.65	11.83	12.05	12.27	12.49	12.73	12.97	13.06	13.15	13.24	13.34	13.50	3.4%
Total New Truck Sales	7011.7	7372.9	7103.6	7227.1	7344.6	7338.0	7356.4	7311.0	7243.1	7213.8	7209.2	7228.6	7378.8	7496.4	7619.2	7770.8	7891.0	7953.7	7986.7	7981.7	7987.1	8047.5	0.7%
Percent Total Alternative Sales	3.67	4.83	5.20	5.27	9.82	9.98	9.58	9.76	9.95	10.13	10.31	10.52	10.74	10.97	11.19	11.44	11.66	11.74	11.82	11.89	11.97	12.09	5.8%
EPACT Legislative Alternative Sales	136.15	213.51	261.34	262.63	264.15	261.62	260.36	257.14	253.42	251.27	250.17	250.04	254.54	258.00	261.71	266.48	270.21	272.03	272.88	272.47	272.46	274.35	3.4%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	292.38	289.27	287.60	283.82	279.53	277.00	275.64	275.38	280.24	283.97	287.98	293.16	297.21	299.17	300.06	299.57	299.53	301.58	N/A
Total Vehicles Sales	15743.3	16258.6	15429.9	15500.5	15585.3	15432.0	15353.8	15161.4	14939.5	14810.8	14743.7	14734.5	14998.5	15201.4	15419.2	15699.0	15918.4	16025.0	16074.5	16050.0	16048.7	16159.6	0.1%

1/ Includes personal and fleet light-duty cars.

2/ Includes personal and fleet light-duty trucks.

ICE = Internal combustion engine.

EPACT = Energy Policy Act of 1992.

ZEVP = Zero emission vehicles from the low emission vehicle program.

N/A = Not applicable.

Sources: 1999 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles. DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 46. Light-Duty Vehicle Stock by Technology Type (1 of 2)
(Millions)

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Light-Duty Car Stock 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	119.80	119.40	118.42	117.42	115.96	114.45	113.03	111.58	110.07	108.57	107.10	105.67	104.40	103.26	102.26	101.43	100.75	100.19	99.72	99.32	99.00	98.79	-0.9%
TDI Diesel ICE	0.87	1.00	1.13	1.26	1.37	1.49	1.61	1.74	1.86	1.97	2.07	2.16	2.24	2.30	2.36	2.41	2.45	2.49	2.52	2.55	2.58	2.61	5.4%
Total Conventional	120.67	120.39	119.55	118.68	117.33	115.94	114.65	113.31	111.93	110.54	109.17	107.83	106.64	105.56	104.62	103.84	103.20	102.68	102.24	101.87	101.58	101.40	-0.8%
Alternative-Fuel Vehicles																							
Alcohol Fuel Technology																							
Methanol-Flex Fuel ICE	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	9.5%
Methanol ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.8%
Ethanol-Flex Fuel ICE	0.05	0.07	0.09	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.25	0.27	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.33	0.34	9.8%
Ethanol ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.1%
Natural Gas Technology																							
CNG ICE	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.5%
CNG Bi-fuel	0.12	0.18	0.25	0.32	0.39	0.46	0.52	0.58	0.63	0.68	0.73	0.77	0.81	0.84	0.87	0.89	0.92	0.94	0.95	0.96	0.97	0.98	10.6%
LPG ICE	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	4.6%
LPG Bi-fuel	0.10	0.14	0.17	0.21	0.24	0.27	0.30	0.33	0.36	0.38	0.40	0.42	0.44	0.45	0.47	0.48	0.49	0.50	0.50	0.51	0.52	0.52	8.0%
Electric Technology																							
Electric Vehicle	0.00	0.01	0.01	0.01	0.11	0.21	0.31	0.40	0.49	0.58	0.67	0.75	0.84	0.92	0.99	1.06	1.13	1.19	1.24	1.28	1.32	1.36	30.6%
Electric-Diesel Hybrid	0.00	0.01	0.01	0.01	0.09	0.16	0.22	0.28	0.35	0.41	0.48	0.55	0.62	0.70	0.77	0.86	0.94	1.02	1.09	1.15	1.21	1.25	45.3%
Electric-Gasoline Hybrid	0.01	0.07	0.13	0.19	0.59	0.99	1.32	1.66	2.00	2.33	2.67	3.00	3.34	3.67	4.00	4.33	4.64	4.93	5.20	5.44	5.65	5.85	36.4%
Fuel Cell Technology																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.06	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Alternatives	0.36	0.57	0.78	0.99	1.70	2.39	3.01	3.63	4.23	4.82	5.40	5.97	6.53	7.09	7.63	8.15	8.66	9.13	9.56	9.94	10.28	10.59	17.5%
Total Car Stock	121.03	120.96	120.33	119.67	119.03	118.34	117.66	116.94	116.16	115.37	114.57	113.80	113.17	112.65	112.25	111.99	111.86	111.81	111.80	111.81	111.86	112.00	-0.4%
Light-Duty Truck Stock 1/																							
Conventional Vehicles																							
Gasoline ICE Vehicles	66.26	69.71	72.78	75.83	78.67	81.33	83.85	86.13	88.16	90.02	91.71	93.24	94.76	96.23	97.67	99.09	100.51	101.87	103.16	104.37	105.50	106.59	2.3%
TDI Diesel ICE	2.28	2.82	3.32	3.81	4.26	4.70	5.12	5.55	5.97	6.35	6.69	7.01	7.30	7.57	7.82	8.06	8.27	8.47	8.65	8.82	8.96	9.10	6.8%
Total Conventional	68.54	72.53	76.10	79.64	82.93	86.03	88.97	91.68	94.14	96.37	98.40	100.25	102.06	103.80	105.48	107.15	108.78	110.34	111.82	113.19	114.46	115.69	2.5%
Alternative-Fuel Vehicles																							
Alcohol Fuel Technology																							
Methanol-Flex Fuel ICE	0.02	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.26	13.3%
Methanol ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.3%
Ethanol-Flex Fuel ICE	1.45	1.87	2.28	2.70	3.10	3.49	3.86	4.21	4.54	4.84	5.12	5.38	5.64	5.88	6.11	6.34	6.56	6.77	6.97	7.16	7.34	7.50	8.1%
Ethanol ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.3%
Natural Gas Technology																							
CNG ICE	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.14	6.5%
CNG Bi-fuel	0.11	0.16	0.21	0.27	0.33	0.38	0.44	0.49	0.54	0.59	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.91	0.95	0.98	1.01	1.05	11.3%
LPG ICE	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.14	0.14	6.3%
LPG Bi-fuel	0.18	0.19	0.22	0.24	0.26	0.28	0.31	0.33	0.35	0.37	0.39	0.41	0.42	0.44	0.46	0.47	0.49	0.50	0.52	0.53	0.54	0.56	5.6%

Table 46. Light-Duty Vehicle Stock by Technology Type (2 of 2)
(Millions)

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electric Technology																							
Electric Vehicle	0.00	0.00	0.01	0.01	0.03	0.05	0.08	0.10	0.12	0.14	0.16	0.17	0.19	0.21	0.22	0.24	0.25	0.27	0.28	0.29	0.30	0.31	24.7%
Electric-Diesel Hybrid	0.00	0.00	0.01	0.01	0.03	0.05	0.07	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.31	0.35	0.39	0.43	0.47	0.50	0.54	0.57	49.6%
Electric-Gasoline Hybrid	0.00	0.04	0.07	0.10	0.31	0.54	0.75	0.97	1.20	1.42	1.66	1.90	2.14	2.39	2.65	2.91	3.18	3.44	3.69	3.93	4.16	4.38	40.3%
Fuel Cell Technology																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Alternatives	1.84	2.39	2.94	3.50	4.26	5.02	5.75	6.47	7.16	7.84	8.48	9.11	9.74	10.37	10.98	11.60	12.21	12.80	13.37	13.92	14.44	14.95	10.5%
Total Truck Stock	70.38	74.92	79.05	83.14	87.19	91.04	94.72	98.15	101.30	104.20	106.88	109.37	111.80	114.16	116.47	118.75	120.99	123.14	125.19	127.10	128.90	130.63	3.0%
Total Vehicle Stock	191.41	195.88	199.38	202.81	206.22	209.38	212.38	215.09	217.46	219.57	221.45	223.16	224.97	226.82	228.71	230.74	232.85	234.95	236.99	238.91	240.75	242.63	1.1%

1/ Includes personal and fleet vehicles.

ICE = Internal combustion engine.

N/A = Not applicable.

Sources: 1999 derived using: Energy Information Administration (EIA), Household Vehicles Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 19 (Oak Ridge, TN, September 1999); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type (1 of 2)
(Miles per Gallon Gasoline Equivalent)**

Technology Type	1999-																				1999-			
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Automobiles 1/																								
Conventional Vehicles																								
Gasoline ICE Vehicles	27.71	28.50	28.83	29.08	30.08	30.12	30.22	30.45	30.73	30.99	31.28	31.59	31.64	31.65	31.68	31.62	31.58	31.58	31.60	31.61	31.61	31.63	0.6%	
TDI Diesel ICE	37.68	38.86	39.27	39.53	40.59	40.54	40.67	40.90	41.19	41.42	41.75	42.10	42.27	42.36	42.34	42.25	42.17	42.14	42.15	42.18	42.21	42.29	0.6%	
Alternative-Fuel Vehicles																								
Alcohol Fuel Technology																								
Methanol-Flex Fuel ICE	27.04	27.56	27.82	28.10	29.02	29.03	29.16	29.37	29.66	29.95	30.24	30.55	30.66	30.67	30.70	30.66	30.63	30.62	30.64	30.66	30.67	30.70	0.6%	
Methanol ICE	28.80	29.53	29.83	30.12	31.10	31.11	31.25	31.50	31.78	32.06	32.33	32.63	32.72	32.72	32.75	32.69	32.64	32.62	32.63	32.65	32.64	32.66	0.6%	
Ethanol-Flex Fuel ICE	26.95	27.43	27.65	27.93	28.85	28.86	28.99	29.20	29.49	29.77	30.06	30.37	30.47	30.49	30.52	30.47	30.44	30.43	30.45	30.48	30.48	30.51	0.6%	
Ethanol ICE	27.70	28.42	28.68	28.97	29.93	29.94	30.07	30.33	30.60	30.88	31.14	31.43	31.50	31.51	31.54	31.49	31.45	31.43	31.45	31.47	31.46	31.48	0.6%	
Natural Gas Technology																								
CNG ICE	28.72	29.38	29.75	29.98	30.78	30.68	30.89	31.04	31.27	31.48	31.78	32.11	32.34	32.47	32.60	32.64	32.60	32.58	32.57	32.58	32.60	32.62	0.6%	
CNG Bi-fuel	26.86	27.42	27.74	27.97	28.75	28.67	28.86	29.00	29.22	29.43	29.74	30.06	30.28	30.40	30.53	30.55	30.52	30.49	30.49	30.50	30.52	30.54	0.6%	
LPG ICE	28.28	29.06	29.43	29.69	30.60	30.56	30.78	30.96	31.21	31.42	31.73	32.07	32.27	32.38	32.50	32.52	32.46	32.42	32.41	32.40	32.40	32.41	0.7%	
LPG Bi-fuel	26.75	27.33	27.66	27.89	28.69	28.61	28.81	28.95	29.17	29.38	29.70	30.03	30.23	30.35	30.48	30.51	30.47	30.45	30.45	30.46	30.48	30.50	0.6%	
Electric Technology																								
Electric Vehicle	27.16	28.67	29.32	29.50	30.19	32.88	36.40	40.83	46.61	46.44	46.36	46.33	46.22	46.16	46.19	46.10	46.06	46.01	45.96	45.92	45.90	45.89	2.5%	
Electric-Diesel Hybrid	42.77	43.90	44.30	44.31	44.67	44.14	43.90	43.82	43.81	43.68	43.63	43.69	43.48	43.36	43.29	43.15	43.00	42.88	42.82	42.74	42.68	42.65	0.0%	
Electric-Gasoline Hybrid	38.98	39.79	40.05	40.08	41.89	41.38	41.11	40.96	40.91	40.78	40.74	40.78	40.57	40.43	40.34	40.16	40.01	39.88	39.80	39.72	39.68	39.66	0.1%	
Fuel Cell Technology																								
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	44.84	44.57	44.33	44.10	43.94	43.88	43.78	43.76	43.86	43.90	44.01	44.14	44.28	44.45	44.65	44.87	N/A	
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	47.82	47.51	47.23	46.96	46.76	46.64	46.46	46.34	46.30	46.15	46.06	45.97	45.89	45.82	45.78	45.76	N/A	
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	52.22	51.85	51.52	51.17	50.92	50.80	50.63	50.53	50.52	50.40	50.33	50.25	50.18	50.12	50.08	50.06	N/A	
Average New Car Miles per Gallon	27.87	28.74	29.07	29.32	30.74	30.80	30.86	31.14	31.47	31.73	32.02	32.34	32.40	32.42	32.46	32.43	32.40	32.40	32.42	32.43	32.43	32.46	0.7%	
Light-Duty Trucks 1/																								
Conventional Vehicles																								
Gasoline ICE Vehicles	20.40	20.75	21.27	21.34	21.61	21.50	21.54	21.64	21.80	21.98	22.20	22.47	22.62	22.79	22.96	23.09	23.22	23.36	23.51	23.70	23.91	23.92	0.8%	
TDI Diesel ICE	28.02	28.30	28.96	29.03	29.40	29.18	29.20	29.25	29.38	29.62	29.86	30.19	30.36	30.54	30.74	30.85	30.99	31.11	31.28	31.48	31.73	31.77	0.6%	
Alternative-Fuel Vehicles																								
Alcohol Fuel Technology																								
Methanol-Flex Fuel ICE	20.14	20.50	21.02	21.12	21.52	21.44	21.47	21.60	21.78	21.98	22.22	22.50	22.65	22.82	23.00	23.12	23.26	23.39	23.55	23.74	23.96	23.98	0.8%	
Methanol ICE	22.87	23.52	24.20	24.21	24.48	24.33	24.35	24.43	24.58	24.72	24.93	25.22	25.35	25.51	25.67	25.79	25.90	26.01	26.14	26.31	26.49	26.47	0.7%	
Ethanol-Flex Fuel ICE	20.78	21.17	21.61	21.66	22.00	21.85	21.86	21.95	22.11	22.27	22.49	22.77	22.90	23.06	23.23	23.36	23.49	23.60	23.74	23.91	24.10	24.12	0.7%	
Ethanol ICE	22.26	22.87	23.54	23.55	23.89	23.72	23.73	23.78	23.90	24.03	24.23	24.49	24.62	24.77	24.93	25.04	25.16	25.26	25.37	25.52	25.70	25.68	0.7%	
Natural Gas Technology																								
CNG ICE	21.80	22.17	22.75	22.82	23.18	23.06	23.10	23.21	23.38	23.54	23.75	23.98	24.10	24.22	24.34	24.42	24.51	24.59	24.72	24.88	25.04	25.17	0.7%	
CNG Bi-fuel	19.68	20.02	20.55	20.65	21.00	20.91	20.95	21.07	21.23	21.41	21.62	21.85	21.98	22.12	22.25	22.33	22.43	22.53	22.65	22.81	22.98	23.11	0.8%	
LPG ICE	22.31	22.77	23.32	23.29	23.60	23.39	23.36	23.40	23.52	23.65	23.84	24.06	24.18	24.31	24.42	24.50	24.59	24.67	24.81	24.96	25.13	25.28	0.6%	
LPG Bi-fuel	19.79	20.15	20.66	20.76	21.14	21.06	21.09	21.22	21.39	21.56	21.78	22.01	22.14	22.28	22.41	22.50	22.61	22.71	22.85	23.02	23.20	23.35	0.8%	
Electric Technology																								
Electric Vehicle	20.33	21.64	22.60	22.68	25.80	28.03	30.98	34.60	39.33	38.95	38.60	38.26	38.02	37.79	37.55	37.37	37.21	37.06	36.94	36.82	36.71	36.63	2.8%	
Electric-Diesel Hybrid	34.10	33.88	34.64	34.61	35.22	34.70	34.46	34.28	34.18	34.04	33.99	34.00	33.83	33.70	33.63	33.52	33.41	33.32	33.25	33.18	33.12	33.09	-0.1%	
Electric-Gasoline Hybrid	31.49	31.72	32.29	32.23	32.75	32.24	32.00	31.84	31.74	31.61	31.56	31.58	31.41	31.29	31.21	31.06	30.92	30.83	30.78	30.73	30.71	30.70	-0.1%	

**Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type (2 of 2)
(Miles per Gallon Gasoline Equivalent)**

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Fuel Cell Technology																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	38.77	38.40	38.05	37.65	37.20	36.75	36.37	35.99	35.58	35.22	34.88	34.55	34.27	34.00	33.76	33.55	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	41.38	40.97	40.59	40.15	39.64	39.10	38.64	38.22	37.77	37.37	37.02	36.67	36.37	36.10	35.84	35.63	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	45.25	44.74	44.26	43.70	43.04	42.35	41.91	41.58	41.26	41.01	40.80	40.59	40.42	40.27	40.13	40.02	N/A
Average New Truck Miles per Gallon	20.80	21.26	21.79	21.84	22.32	22.20	22.23	22.37	22.56	22.72	22.94	23.22	23.37	23.54	23.71	23.85	23.98	24.10	24.26	24.43	24.64	24.66	0.8%
Fleet Average Stock Car Miles per Gallon	23.53	23.75	23.74	23.92	24.24	24.44	24.65	24.83	25.01	25.22	25.41	25.57	25.76	25.93	26.07	26.23	26.36	26.46	26.56	26.65	26.76	26.82	0.6%
Fleet Average Stock Truck Miles per Gallon	16.83	16.89	16.88	16.96	17.13	17.20	17.27	17.33	17.39	17.47	17.53	17.61	17.66	17.74	17.82	17.88	17.96	18.04	18.12	18.20	18.28	18.35	0.4%
Fleet Average Stock Vehicle Miles per Gallon	20.52	20.55	20.44	20.47	20.62	20.66	20.71	20.74	20.77	20.84	20.88	20.93	20.98	21.04	21.10	21.15	21.21	21.26	21.31	21.37	21.43	21.48	0.2%

1/ Fuel efficiencies are EPA rated. Includes personal and fleet vehicles.

2/ Stock values are on-road efficiencies. Includes personal vehicles, fleet vehicles, and freight light trucks.

ICE = Internal combustion engine.

Sources: 1999 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Model Year Fuel Economy Reports from Auto Manufacturers, 2000; Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 48. Light-Duty Vehicle Miles Traveled by Technology Type (1 of 1)
(Billion Miles, Unless Otherwise Noted)**

Technology Type	1999-																				1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Conventional Vehicles 1/																							
Gasoline ICE Vehicles	2329.1	2329.4	2385.3	2447.1	2490.3	2527.5	2566.6	2603.7	2636.9	2673.6	2707.6	2738.6	2767.0	2796.1	2827.4	2859.6	2893.2	2924.1	2954.1	2983.5	3013.2	3043.2	1.3%
TDI Diesel ICE	35.5	42.0	49.7	57.8	65.2	72.5	80.0	87.7	95.5	103.0	110.0	116.7	122.7	128.3	133.5	138.6	143.2	147.4	151.3	155.0	158.5	161.8	7.5%
Alternative-Fuel Vehicles																							
Alcohol Fuel Technology																							
Methanol-Flex Fuel ICE	0.8	1.2	1.8	2.4	2.9	3.4	3.8	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.7	6.9	7.0	11.1%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.9%
Ethanol-Flex Fuel ICE	17.6	22.7	28.6	34.8	40.7	46.5	52.1	57.3	62.1	66.9	71.4	75.8	79.9	84.0	88.0	91.8	95.6	99.2	102.7	105.9	109.1	112.2	9.2%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0%
Natural Gas Technology																							
CNG ICE	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	5.8%
CNG Bi-fuel	4.7	7.3	10.4	13.4	16.2	18.6	20.5	22.0	23.3	24.5	25.7	26.8	28.0	29.0	30.1	31.2	32.2	33.1	34.0	34.8	35.5	36.3	10.2%
LPG ICE	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	7.0%
LPG Bi-fuel	4.7	6.0	7.5	8.9	10.2	11.4	12.3	13.0	13.6	14.1	14.6	15.2	15.7	16.2	16.7	17.1	17.6	18.1	18.4	18.8	19.1	19.4	6.9%
Electric Technology																							
Electric Vehicle	0.2	0.3	0.4	0.5	2.0	3.4	4.9	6.3	7.8	9.2	10.7	12.1	13.5	14.9	16.2	17.5	18.8	19.9	20.9	21.8	22.6	23.3	26.3%
Electric-Diesel Hybrid	0.0	0.1	0.2	0.3	1.3	2.4	3.4	4.5	5.7	6.9	8.2	9.6	11.0	12.6	14.2	15.9	17.7	19.4	21.1	22.6	23.9	25.2	47.8%
Electric-Gasoline Hybrid	0.1	1.2	2.3	3.4	10.5	17.8	24.6	31.7	38.9	46.5	54.4	62.4	70.5	78.9	87.3	95.8	104.4	112.6	120.3	127.7	134.7	141.3	39.1%
Fuel Cell Technology																							
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.7	1.3	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Vehicle Miles Traveled Equation Components																							
Total VMT (billion miles)	2394.2	2411.9	2488.1	2570.8	2641.8	2706.2	2771.1	2833.4	2891.4	2952.9	3011.3	3066.2	3117.7	3169.6	3223.6	3278.1	3333.6	3385.0	3434.5	3482.3	3529.6	3576.5	1.9%
VMT/Driving Population (thousand miles per person)	11.4	11.6	11.9	12.1	12.3	12.4	12.6	12.7	12.8	12.9	13.1	13.2	13.3	13.4	13.5	13.6	13.8	13.9	14.0	14.1	14.2	14.3	1.1%
Driving Population (million)	210.9	213.1	215.4	217.7	220.0	222.4	224.8	227.3	229.7	232.1	234.4	236.6	238.7	240.7	242.7	244.7	246.7	248.7	250.6	252.6	254.5	256.5	0.9%
Price Effects																							
Motor Gasoline Price (1987 dollars per gallon)	7.02	8.88	8.38	8.03	7.87	7.89	7.90	8.02	8.19	8.06	8.04	8.13	8.04	8.02	8.00	8.02	7.98	7.97	7.97	7.95	7.92	7.93	0.6%
Fleet Miles per Gallon	20.66	20.69	20.57	20.59	20.73	20.75	20.78	20.81	20.85	20.91	20.96	21.01	21.05	21.11	21.16	21.21	21.27	21.33	21.39	21.44	21.51	21.56	0.2%
Real Cost of Driving per Mile (1987 dollars)	5.477	6.922	6.569	6.290	6.124	6.130	6.128	6.214	6.332	6.215	6.184	6.240	6.156	6.128	6.096	6.099	6.048	6.022	6.006	5.974	5.936	5.928	0.4%
Point Price Elasticity	-0.042	-0.053	-0.049	-0.046	-0.044	-0.043	-0.043	-0.043	-0.044	-0.042	-0.042	-0.042	-0.041	-0.040	-0.040	-0.039	-0.039	-0.038	-0.038	-0.037	-0.037	-0.037	-0.7%
Income Effects																							
Disposable Income (billion 1987 dollars)	5464.0	5625.2	5894.7	6077.5	6238.4	6413.2	6613.8	6821.0	7019.8	7229.4	7445.3	7666.3	7878.9	8111.6	8362.9	8627.7	8896.7	9163.1	9422.5	9670.9	9917.3	10168.1	3.0%
Point Income Elasticity	0.333	0.336	0.340	0.341	0.342	0.344	0.348	0.352	0.356	0.360	0.365	0.369	0.374	0.378	0.383	0.389	0.394	0.399	0.404	0.408	0.412	0.416	1.1%
Demographic Driving Population Effect																							
Percentage Female Driving Population	0.729	0.744	0.757	0.766	0.774	0.780	0.785	0.789	0.791	0.794	0.795	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.796	0.4%
Point Demographic Elasticity	0.423	0.427	0.422	0.420	0.418	0.416	0.414	0.412	0.410	0.406	0.404	0.401	0.398	0.394	0.391	0.387	0.384	0.380	0.377	0.374	0.372	0.369	-0.6%

1/ Includes personal and fleet vehicles. Includes both cars and light trucks.

VMT = Vehicle miles traveled.

ICE = Internal combustion engine.

MmBtu = Million British thermal units.

N/A = Not applicable.

Sources: 1999 derived using: Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 19 (Oak Ridge, TN, September 1999);

United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and Energy Information Administration (EIA), AEO2001 National Energy Modeling System

run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes (1 of 2)

Class Attributes	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Personal Vehicles																							
EPA Rated New Vehicle Fuel Efficiency																							
Conventional Cars (MPG)																							
Minicompact	24.600	24.654	24.815	25.214	26.546	26.607	26.772	26.885	26.974	27.064	27.215	27.388	27.420	27.492	27.599	27.643	27.714	27.794	27.840	27.881	27.940	27.986	0.6%
Subcompact	31.825	32.325	32.826	33.246	34.602	34.732	34.986	35.268	35.723	36.060	36.516	36.807	36.828	36.844	36.876	36.840	36.793	36.767	36.759	36.754	36.758	36.782	0.7%
Compact	29.684	30.550	30.889	31.100	32.151	32.130	32.173	32.463	32.691	32.939	33.285	33.649	33.709	33.699	33.710	33.635	33.576	33.542	33.550	33.547	33.532	33.541	0.6%
Midsize	26.947	27.553	27.886	28.191	29.205	29.279	29.388	29.604	29.876	30.158	30.371	30.607	30.602	30.627	30.674	30.642	30.630	30.677	30.720	30.754	30.759	30.785	0.6%
Large	24.746	25.325	25.721	25.948	26.704	26.761	26.863	27.010	27.272	27.559	27.929	28.327	28.575	28.580	28.600	28.544	28.491	28.461	28.462	28.460	28.469	28.503	0.7%
Two Seater	25.830	27.033	27.312	27.659	28.865	28.882	29.039	29.191	29.351	29.529	29.776	30.056	30.183	30.245	30.343	30.352	30.390	30.443	30.486	30.529	30.590	30.647	0.8%
Average New Car	28.101	28.951	29.260	29.504	30.551	30.586	30.683	30.920	31.205	31.462	31.765	32.080	32.130	32.133	32.155	32.102	32.054	32.047	32.060	32.065	32.058	32.075	0.6%
Average New Car On-Road MPG	23.966	24.691	24.745	24.949	25.924	25.924	26.005	26.181	26.390	26.607	26.828	27.029	27.035	27.004	26.956	26.878	26.804	26.735	26.711	26.678	26.669	26.649	0.5%
Conventional Light Trucks																							
Small Pickup	25.052	25.464	26.121	26.146	26.292	26.135	26.131	26.139	26.235	26.373	26.587	26.868	27.024	27.197	27.383	27.507	27.652	27.807	27.974	28.157	28.371	28.381	0.6%
Large Pickup	18.500	18.743	19.204	19.226	19.381	19.291	19.341	19.458	19.593	19.737	19.915	20.146	20.289	20.450	20.585	20.693	20.823	20.960	21.115	21.306	21.502	21.491	0.7%
Small Van	25.029	25.473	26.233	26.223	26.400	26.173	26.157	26.184	26.280	26.415	26.649	26.947	27.142	27.343	27.538	27.672	27.837	28.035	28.240	28.488	28.761	28.782	0.7%
Large Van	18.000	18.362	18.889	19.031	19.373	19.349	19.420	19.624	19.856	20.085	20.358	20.641	20.783	20.956	21.111	21.221	21.352	21.489	21.650	21.852	22.073	22.086	1.0%
Small Utility	21.200	21.698	22.184	22.289	22.911	22.808	22.786	22.822	22.943	23.099	23.320	23.586	23.736	23.902	24.105	24.262	24.399	24.509	24.639	24.799	24.994	25.031	0.8%
Large Utility	16.945	16.974	17.396	17.482	17.757	17.711	17.780	17.961	18.186	18.408	18.657	18.946	19.087	19.247	19.391	19.528	19.659	19.769	19.903	20.053	20.231	20.251	0.9%
Average New Light Truck	20.662	20.996	21.506	21.558	21.808	21.682	21.712	21.811	21.964	22.127	22.345	22.614	22.764	22.931	23.099	23.232	23.370	23.502	23.653	23.832	24.035	24.049	0.7%
Average New Light Truck On-Road	16.664	16.911	17.198	17.238	17.498	17.376	17.399	17.461	17.561	17.691	17.840	18.033	18.103	18.212	18.321	18.379	18.463	18.545	18.639	18.752	18.886	18.871	0.6%
Degradation Factors 1/																							
Cars	0.853	0.853	0.846	0.846	0.849	0.848	0.848	0.847	0.846	0.846	0.845	0.843	0.841	0.840	0.838	0.837	0.836	0.834	0.833	0.832	0.832	0.831	-0.1%
Light Trucks	0.806	0.805	0.800	0.800	0.802	0.801	0.801	0.801	0.800	0.800	0.798	0.797	0.795	0.794	0.793	0.791	0.790	0.789	0.788	0.787	0.786	0.785	-0.1%
New Fuel Efficiency by Size Class 2/																							
Alternative-Fuel Cars																							
Minicompact	26.13	32.65	32.63	32.75	34.86	34.46	34.36	34.38	34.44	34.51	34.60	34.73	34.69	34.69	34.74	34.71	34.74	34.75	34.80	34.93	35.14	35.44	1.5%
Subcompact	33.036	42.229	42.768	42.861	46.410	45.892	45.572	45.430	45.366	45.266	45.251	45.300	45.103	44.963	44.864	44.683	44.522	44.399	44.344	44.322	44.377	44.519	1.4%
Compact	30.938	41.071	41.493	41.507	44.644	44.122	43.764	43.580	43.490	43.328	43.270	43.289	43.057	42.896	42.781	42.594	42.409	42.257	42.161	42.074	42.026	42.027	1.5%
Midsize	28.834	36.400	36.698	36.787	36.614	37.428	38.408	39.823	41.389	41.283	41.248	41.273	41.121	41.023	40.983	40.849	40.742	40.664	40.619	40.587	40.583	40.599	1.6%
Large	26.433	32.919	33.558	33.647	37.043	36.611	36.301	36.195	36.181	36.132	36.173	36.246	36.105	36.007	35.938	35.799	35.662	35.575	35.543	35.522	35.541	35.585	1.4%
Two Seater	26.969	35.712	35.947	36.067	38.565	38.120	37.954	37.949	37.998	38.052	38.153	38.296	38.235	38.211	38.238	38.185	38.176	38.164	38.209	38.316	38.505	38.806	1.7%
Average New Alternative Cars	28.918	37.151	37.458	37.500	39.235	39.593	40.039	40.867	41.771	41.652	41.623	41.666	41.485	41.368	41.299	41.149	41.007	40.898	40.834	40.783	40.767	40.789	1.7%
Alternative-Fuel Light Trucks																							
Small Pickup	25.298	26.010	26.682	26.699	28.295	28.263	28.305	28.485	28.761	29.024	29.369	29.786	30.040	30.317	30.612	30.844	31.091	31.282	31.495	31.720	31.966	32.126	1.1%
Large Pickup	18.680	18.979	19.446	19.468	20.097	20.064	20.145	20.347	20.588	20.810	21.070	21.394	21.613	21.860	22.097	22.307	22.540	22.709	22.895	23.110	23.325	23.419	1.1%
Small Van	25.344	26.723	27.514	27.491	31.408	31.158	30.990	31.047	31.174	31.275	31.458	31.699	31.796	31.909	32.015	32.054	32.112	32.160	32.230	32.318	32.426	32.428	1.2%
Large Van	18.283	19.402	19.959	20.093	22.434	22.421	22.409	22.651	22.952	23.206	23.514	23.830	23.961	24.122	24.289	24.398	24.522	24.617	24.732	24.880	25.063	25.206	1.5%
Small Utility	21.441	22.512	22.996	23.097	25.845	25.848	25.868	26.060	26.315	26.414	26.583	26.818	26.925	27.053	27.214	27.338	27.431	27.473	27.545	27.639	27.767	27.828	1.2%
Large Utility	17.136	17.341	17.766	17.846	19.223	19.196	19.216	19.428	19.693	19.925	20.191	20.496	20.633	20.795	20.953	21.088	21.212	21.278	21.369	21.475	21.605	21.637	1.1%
Average New Alternative Light Truck	20.838	21.801	22.263	22.295	25.055	24.959	24.930	25.136	25.405	25.546	25.758	26.039	26.152	26.296	26.444	26.557	26.650	26.702	26.785	26.890	27.024	27.069	1.3%
Fleet Vehicles																							
EPA Rated New Vehicle Fuel Efficiency																							
Cars	26.536	27.141	27.496	27.777	28.717	28.780	28.896	29.097	29.369	29.649	29.916	30.204	30.279	30.303	30.347	30.311	30.286	30.305	30.333	30.356	30.362	30.390	0.6%
Light Trucks	19.856	20.242	20.781	20.875	21.228	21.150	21.188	21.320	21.494	21.679	21.917	22.188	22.339	22.511	22.678	22.801	22.937	23.075	23.233	23.429	23.646	23.666	0.8%

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes (2 of 2)

Class Attributes	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Average On-Road Miles per Gallon																							
Cars	22.515	22.728	22.783	23.014	23.531	23.856	24.158	24.411	24.538	24.724	24.903	25.075	25.236	25.345	25.377	25.377	25.352	25.295	25.263	25.238	25.250	25.233	0.5%
Light Trucks	15.763	15.923	16.055	16.250	16.516	16.692	16.847	16.925	16.999	17.079	17.174	17.309	17.426	17.566	17.702	17.797	17.894	17.987	18.076	18.167	18.273	18.361	0.7%
New Vehicle Sales Shares (%)																							
Conventional Cars																							
Minicompact	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3%
Subcompact	15.6	16.0	15.7	15.5	15.3	15.2	15.1	15.0	15.0	14.8	14.8	14.7	14.6	14.6	14.5	14.4	14.4	14.3	14.3	14.2	14.2	14.1	-0.5%
Compact	31.7	36.1	35.0	34.3	33.9	34.0	34.1	34.4	34.8	34.5	34.4	34.6	34.4	34.4	34.3	34.4	34.3	34.2	34.2	34.2	34.1	34.1	0.4%
Midsize	38.3	34.3	35.3	36.0	36.3	36.2	36.1	35.9	35.5	35.7	35.8	35.6	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	-0.3%
Large	12.5	11.5	11.9	12.2	12.4	12.5	12.6	12.6	12.6	12.8	12.9	12.9	13.0	13.0	13.1	13.2	13.3	13.3	13.4	13.5	13.5	13.6	0.4%
Two Seater	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6%
Conventional Light Trucks																							
Small Pickup	14.2	12.4	12.6	12.8	12.9	12.5	12.4	12.2	12.0	12.1	12.0	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.6	11.5	11.5	11.4	-1.0%
Large Pickup	20.7	20.5	20.0	19.8	19.7	19.3	19.0	18.8	18.5	18.3	18.2	18.0	17.8	17.6	17.4	17.3	17.1	16.9	16.8	16.6	16.5	16.4	-1.1%
Small Van	17.5	20.2	19.4	18.9	18.7	18.5	18.5	18.7	19.0	18.8	18.7	18.9	18.7	18.7	18.6	18.7	18.6	18.6	18.5	18.5	18.4	18.4	0.3%
Large Van	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	-1.7%
Small Utility	29.3	28.4	29.2	29.5	29.7	30.5	30.7	30.8	30.9	31.1	31.3	31.4	31.6	31.8	32.0	32.1	32.3	32.5	32.6	32.7	32.9	32.9	0.6%
Large Utility	15.2	15.4	15.8	16.0	16.1	16.5	16.7	16.8	17.0	17.1	17.2	17.4	17.5	17.6	17.8	17.9	18.0	18.1	18.3	18.4	18.5	18.5	1.0%
New Vehicle Average Horsepower																							
Conventional Cars																							
Minicompact	233.000	266.638	274.369	280.023	280.894	286.121	291.058	295.028	298.436	301.769	304.505	306.673	310.044	313.227	316.225	319.948	323.350	326.838	330.315	333.103	336.038	338.860	1.8%
Subcompact	136.690	151.497	153.781	158.086	160.409	162.594	166.202	169.357	172.210	175.772	178.965	181.643	184.725	187.696	190.769	193.966	197.156	200.224	203.131	205.845	208.421	210.804	2.1%
Compact	142.407	155.778	160.233	165.908	170.357	172.270	176.722	180.925	184.463	189.268	193.585	197.306	201.488	205.443	209.422	213.621	217.963	222.097	225.988	229.590	232.768	235.712	2.4%
Midsize	172.534	182.802	187.355	192.603	197.726	200.460	204.763	208.745	212.185	216.626	220.293	223.321	227.027	230.469	233.765	237.494	241.208	244.754	248.040	251.108	254.050	256.799	1.9%
Large	219.794	229.008	233.504	241.191	245.834	250.042	256.065	261.457	266.684	273.569	279.919	285.435	291.554	296.965	302.521	308.069	313.601	318.495	322.825	327.186	331.175	334.857	2.0%
Two Seater	230.180	241.340	246.893	253.158	254.873	259.724	264.876	269.253	273.249	277.957	282.123	285.597	290.001	293.952	297.935	302.130	306.193	310.095	313.713	317.036	320.240	323.241	1.6%
Average New Car	164.419	174.726	179.474	185.417	189.981	192.730	197.277	201.364	204.897	209.847	214.122	217.639	221.887	225.782	229.680	233.791	238.009	241.956	245.608	249.070	252.268	255.211	2.1%
Conventional Light Trucks																							
Small Pickup	152.593	162.827	161.984	166.361	170.971	173.166	176.452	179.662	182.868	186.933	190.833	194.547	198.048	201.418	205.070	208.625	212.316	215.838	219.030	221.895	224.724	227.189	1.9%
Large Pickup	218.000	217.029	215.311	220.880	225.289	228.457	232.672	237.230	241.620	246.890	251.958	256.941	261.642	266.441	270.677	274.971	279.400	283.507	287.390	291.154	294.732	297.798	1.5%
Small Van	173.729	175.633	174.635	179.316	183.824	186.609	190.154	193.612	197.096	201.484	205.759	209.893	213.706	217.450	221.596	225.542	229.665	233.600	237.086	240.294	243.430	246.194	1.7%
Large Van	218.000	218.491	216.484	221.399	224.384	226.957	230.996	234.721	238.143	242.529	246.630	251.072	255.686	260.261	264.556	268.807	273.187	277.245	281.046	284.735	288.155	290.988	1.4%
Small Utility	182.295	186.389	186.187	191.178	193.013	196.147	199.954	203.967	207.578	212.274	216.720	220.795	224.748	228.596	232.787	236.567	240.380	243.932	247.152	250.259	253.301	255.919	1.6%
Large Utility	228.785	223.429	221.000	225.990	229.123	232.343	236.550	240.525	244.077	248.498	252.565	256.559	261.043	265.310	269.243	273.532	277.885	281.878	285.573	289.130	292.450	295.252	1.2%
Average New Light Truck	192.181	194.286	193.154	198.099	201.536	204.572	208.399	212.271	215.918	220.510	224.895	229.095	233.199	237.218	241.288	245.246	249.301	253.100	256.570	259.867	263.048	265.786	1.6%

1/ Conversion factor used to convert Environmental Protection Agency rated to "on road" miles per gallon.

2/ Environmental Protection Agency rated miles per gallon.

Sources: 1999 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Year Fuel Economy Reports from Auto Manufacturers, 2000; Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the U.S. Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO99 National Energy Modeling System run AEO2001.D101600A.

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology (1 of 1)
(Trillion Btu)

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Cars 1/																							
Conventional Gasoline	1124.72	1109.41	1094.52	1068.68	1015.73	968.30	939.77	916.48	896.38	875.43	856.07	840.57	833.28	832.97	839.53	851.32	863.64	875.64	884.54	889.10	889.43	891.08	-1.1%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	1.29	2.15	3.32	4.30	5.11	5.67	5.84	5.72	5.58	5.45	5.34	5.23	5.16	5.14	5.15	5.20	5.27	5.35	5.41	5.45	5.47	5.48	7.1%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	2.93	4.99	7.77	10.12	12.04	13.38	13.80	13.50	13.17	12.87	12.60	12.35	12.19	12.12	12.16	12.27	12.44	12.62	12.76	12.86	12.90	12.93	7.3%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	13.01	21.24	30.62	39.24	46.18	50.73	52.43	51.79	50.70	49.56	48.59	47.71	47.03	46.63	46.56	46.73	47.15	47.72	48.20	48.59	48.82	49.04	6.5%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	8.83	12.60	16.98	20.94	24.04	26.06	26.78	26.41	25.85	25.27	24.77	24.31	23.98	23.79	23.78	23.88	24.11	24.41	24.66	24.85	24.95	25.06	5.1%
Electric	0.48	0.77	1.10	1.40	1.65	1.78	1.78	1.67	1.53	1.40	1.28	1.19	1.14	1.13	1.14	1.15	1.17	1.19	1.20	1.21	1.22	1.22	4.5%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	1151.27	1151.17	1154.32	1144.69	1104.74	1065.93	1040.40	1015.58	993.21	969.99	948.64	931.37	922.78	921.78	928.32	940.55	953.78	966.92	976.76	982.06	982.79	984.81	-0.7%
Light Trucks 1/																							
Conventional Gasoline	1740.20	1820.03	1863.59	1879.69	1877.70	1859.05	1831.88	1826.30	1818.37	1803.59	1786.79	1766.66	1758.53	1756.87	1762.92	1780.21	1801.32	1818.71	1832.25	1839.16	1837.96	1836.28	0.3%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	2.74	4.65	7.26	9.84	12.07	14.10	15.63	16.28	16.25	16.13	16.01	15.86	15.77	15.72	15.73	15.84	15.99	16.15	16.28	16.36	16.39	16.41	8.9%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	6.39	10.94	17.21	23.40	28.75	33.64	37.30	38.88	38.79	38.51	38.22	37.86	37.65	37.52	37.55	37.81	38.15	38.55	38.85	39.04	39.12	39.16	9.0%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	10.88	18.15	27.32	36.09	43.16	49.02	52.90	54.52	54.37	53.98	53.57	53.07	52.83	52.74	52.91	53.39	54.00	54.63	55.13	55.45	55.59	55.60	8.1%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	9.83	13.79	18.70	23.37	27.14	30.28	32.38	33.29	33.19	32.95	32.69	32.38	32.24	32.19	32.29	32.59	32.97	33.35	33.65	33.84	33.92	33.92	6.1%
Electric	0.45	0.74	1.09	1.44	1.71	1.91	2.00	1.97	1.84	1.70	1.58	1.49	1.45	1.44	1.47	1.50	1.53	1.57	1.60	1.62	1.64	1.66	6.4%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	2921.76	3019.46	3089.49	3118.50	3095.28	3053.92	3012.49	2986.81	2956.02	2916.84	2877.50	2838.70	2821.24	2818.26	2831.18	2861.90	2897.74	2929.88	2954.52	2967.55	2967.41	2967.84	0.1%
Total Fleet Vehicles	4073.03	4170.63	4243.81	4263.19	4200.02	4119.85	4052.89	4002.39	3949.23	3886.83	3826.15	3770.07	3744.03	3740.04	3759.50	3802.44	3851.52	3896.81	3931.28	3949.61	3950.19	3952.65	-0.1%
Commercial Light Trucks 2/	615.18	619.67	627.22	641.25	651.07	659.92	671.52	684.17	695.63	706.30	715.96	726.07	734.75	743.11	752.95	763.93	776.10	786.99	797.03	806.81	816.92	827.68	1.4%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not Applicable.

Sources: 1999 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 51. Transportation Fleet Car and Truck Sales by Type and Technology (1 of 1)
(Thousands)

Technology Type	1999-																				1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Cars 1/																							
Conventional Gasoline	1983.45	1981.38	1830.07	1818.43	1811.26	1779.01	1757.77	1725.47	1691.59	1669.74	1656.02	1649.75	1674.76	1693.49	1714.37	1742.55	1764.38	1774.02	1777.65	1773.36	1771.88	1782.97	-0.5%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	4.09	6.92	9.04	8.98	8.94	8.78	8.68	8.52	8.35	8.24	8.18	8.15	8.27	8.36	8.46	8.60	8.71	8.76	8.78	8.76	8.75	8.80	3.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	9.36	16.04	21.10	20.96	20.88	20.51	20.26	19.89	19.50	19.25	19.09	19.02	19.31	19.52	19.76	20.09	20.34	20.45	20.49	20.44	20.43	20.55	3.8%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	44.90	64.08	71.75	71.30	71.02	69.75	68.92	67.65	66.32	65.47	64.93	64.68	65.66	66.40	67.22	68.32	69.18	69.56	69.70	69.53	69.47	69.91	2.1%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	25.78	34.92	38.51	38.27	38.12	37.44	36.99	36.31	35.60	35.14	34.85	34.72	35.25	35.64	36.08	36.67	37.13	37.33	37.41	37.32	37.29	37.52	1.8%
Electric	1.67	2.40	2.72	2.71	2.70	2.65	2.62	2.57	2.52	2.49	2.47	2.46	2.49	2.52	2.55	2.59	2.63	2.64	2.65	2.64	2.64	2.65	2.2%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	2069.24	2105.75	1973.19	1960.65	1952.92	1918.14	1895.24	1860.41	1823.88	1800.33	1785.54	1778.77	1805.74	1825.94	1848.45	1878.83	1902.36	1912.76	1916.67	1912.05	1910.45	1922.42	-0.3%
Light Trucks 1/																							
Conventional Gasoline	1940.34	2004.35	1898.98	1932.00	1963.40	1961.64	1966.57	1954.42	1936.29	1928.46	1927.23	1932.41	1972.55	2004.00	2036.83	2077.36	2109.47	2126.24	2135.06	2133.72	2135.17	2151.33	0.5%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	5.97	10.56	14.30	14.55	14.78	14.77	14.81	14.71	14.58	14.52	14.51	14.55	14.85	15.09	15.34	15.64	15.88	16.01	16.07	16.06	16.08	16.20	4.9%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	13.94	24.85	33.75	34.34	34.90	34.86	34.95	34.74	34.41	34.27	34.25	34.34	35.06	35.62	36.20	36.92	37.49	37.79	37.95	37.92	37.95	38.24	4.9%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	24.56	39.52	49.57	50.43	51.25	51.21	51.33	51.02	50.54	50.34	50.31	50.44	51.49	52.31	53.17	54.23	55.06	55.50	55.73	55.70	55.73	56.16	4.0%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	17.37	25.47	30.75	31.28	31.79	31.76	31.84	31.64	31.35	31.22	31.20	31.29	31.94	32.45	32.98	33.63	34.15	34.43	34.57	34.55	34.57	34.83	3.4%
Electric	1.04	1.69	2.14	2.18	2.22	2.21	2.22	2.21	2.19	2.18	2.18	2.18	2.23	2.26	2.30	2.34	2.38	2.40	2.41	2.41	2.41	2.43	4.1%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	4072.47	4212.18	4002.68	4025.43	4051.25	4014.60	3996.97	3949.16	3893.25	3861.32	3845.21	3843.98	3913.86	3967.66	4025.26	4098.96	4156.81	4185.13	4198.46	4192.41	4192.37	4221.59	0.2%
Total Fleet Vehicles	6141.71	6317.93	5975.87	5986.07	6004.17	5932.74	5892.21	5809.57	5717.13	5661.66	5630.75	5622.75	5719.60	5793.60	5873.71	5977.79	6059.17	6097.89	6115.13	6104.46	6102.82	6144.01	0.0%
Commercial Light Trucks 2/	1004.20	1056.15	1018.06	1036.34	1054.29	1054.44	1057.82	1051.63	1041.97	1037.89	1037.35	1040.24	1062.23	1079.35	1097.33	1119.49	1137.07	1146.18	1150.84	1149.89	1150.47	1159.23	0.7%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not Applicable.

Sources: 1999 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); Energy Information Administration (EIA),

Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 52. Transportation Fleet Car and Truck Stock by Type and Technology (1 of 1)
(Thousands)

Technology Type	1999-																				1999-		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Cars 1/																							
Conventional Gasoline	7840.20	7814.79	7729.80	7629.07	7428.41	7193.41	7072.37	6970.44	6854.03	6746.07	6646.80	6572.69	6555.83	6578.94	6635.64	6724.85	6813.21	6892.19	6953.68	6984.19	6992.48	7002.16	-0.5%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	9.07	15.36	23.74	31.07	37.52	42.14	43.90	43.40	42.78	42.09	41.49	40.97	40.72	40.74	40.95	41.38	41.93	42.42	42.83	43.11	43.25	43.35	7.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	20.42	35.23	55.01	72.28	87.52	98.44	102.59	101.42	99.97	98.37	96.96	95.74	95.17	95.19	95.70	96.69	97.99	99.13	100.08	100.75	101.08	101.30	7.9%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	92.41	152.44	219.70	283.59	338.89	375.53	392.04	390.55	385.33	379.69	374.11	369.41	366.67	365.91	367.10	370.12	374.37	378.85	382.57	385.35	387.19	388.47	7.1%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	62.18	89.90	121.27	150.77	176.00	192.56	199.93	198.87	196.13	193.22	190.38	188.02	186.74	186.49	187.23	188.90	191.13	193.40	195.28	196.63	197.48	198.07	5.7%
Electric	3.51	5.73	8.25	10.62	12.68	14.05	14.66	14.59	14.39	14.18	13.97	13.80	13.70	13.67	13.72	13.84	14.00	14.17	14.31	14.41	14.47	14.52	7.0%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	8027.80	8113.45	8157.77	8177.41	8081.02	7916.13	7825.49	7719.27	7592.64	7473.62	7363.72	7280.63	7258.83	7280.94	7340.36	7435.78	7532.64	7620.16	7688.74	7724.45	7735.95	7747.87	-0.2%
Light Trucks 1/																							
Conventional Gasoline	8494.38	8984.43	9277.91	9478.61	9637.91	9659.96	9610.18	9624.49	9628.85	9597.14	9563.03	9531.54	9550.68	9617.17	9723.73	9870.55	10041.80	10193.65	10321.80	10415.90	10473.40	10516.23	1.0%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	13.68	23.44	36.94	50.54	62.94	74.04	82.62	86.64	86.90	86.87	86.60	86.38	86.43	86.81	87.57	88.68	90.04	91.48	92.68	93.63	94.35	94.89	9.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	31.52	54.66	86.69	119.00	148.45	174.86	195.27	204.82	205.45	205.37	204.73	204.22	204.34	205.24	207.02	209.65	212.86	216.26	219.10	221.36	223.06	224.35	9.8%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	53.44	90.14	136.73	182.32	221.34	253.32	275.35	285.30	285.96	285.58	284.66	283.87	284.15	285.61	288.29	292.17	296.83	301.49	305.41	308.46	310.63	312.26	8.8%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	48.14	68.35	93.47	117.96	139.15	156.53	168.66	174.32	174.68	174.42	173.85	173.36	173.55	174.47	176.14	178.54	181.42	184.25	186.64	188.48	189.78	190.75	6.8%
Electric	2.36	3.90	5.89	7.85	9.56	10.98	11.99	12.45	12.48	12.46	12.42	12.39	12.40	12.46	12.58	12.74	12.95	13.15	13.32	13.45	13.55	13.62	8.7%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	16671.32	17338.38	17795.41	18133.70	18300.37	18245.82	18169.56	18107.29	17986.96	17835.46	17689.01	17572.38	17570.37	17662.70	17835.69	18088.12	18368.54	18620.43	18827.69	18965.73	19040.73	19099.97	0.6%
Total Fleet Vehicles	24699.12	25451.83	25953.19	26311.11	26381.39	26161.95	25995.05	25826.56	25579.60	25309.07	25052.73	24853.02	24829.20	24943.65	25176.05	25523.90	25901.18	26240.59	26516.42	26690.17	26776.68	26847.83	0.4%
Commercial Light Trucks 2/	10215.33	10580.70	10883.31	11183.74	11481.80	11759.87	12022.53	12261.25	12474.18	12668.64	12849.43	13020.88	13202.72	13389.39	13581.41	13782.61	13987.78	14188.19	14379.72	14557.35	14723.56	14887.30	1.8%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not applicable.

Sources: 1999 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, (April 23, 1997); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneat/alt_trans98/table1.html; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 53. Transportation Fleet Car and Truck VMT by Type and Technology (1 of 1)
(Billion Miles)

Technology Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Cars 1/																							
Conventional Gasoline	201.45	200.75	198.50	195.78	190.36	184.08	180.95	178.33	175.27	172.45	169.87	167.96	167.55	168.17	169.65	171.96	174.23	176.23	177.78	178.52	178.69	178.91	-0.6%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	0.23	0.39	0.61	0.80	0.96	1.08	1.12	1.11	1.09	1.08	1.06	1.05	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.11	7.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	0.52	0.91	1.41	1.85	2.24	2.52	2.62	2.59	2.56	2.51	2.48	2.45	2.43	2.43	2.45	2.47	2.51	2.53	2.56	2.58	2.58	2.59	7.9%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	2.37	3.92	5.64	7.28	8.68	9.61	10.03	9.99	9.85	9.71	9.56	9.44	9.37	9.35	9.39	9.46	9.57	9.69	9.78	9.85	9.89	9.93	7.0%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	1.60	2.31	3.11	3.87	4.51	4.93	5.12	5.09	5.02	4.94	4.87	4.80	4.77	4.77	4.79	4.83	4.89	4.95	4.99	5.03	5.05	5.06	5.6%
Electric	0.09	0.15	0.21	0.27	0.32	0.36	0.38	0.37	0.37	0.36	0.36	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.37	7.0%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	206.27	208.42	209.49	209.86	207.09	202.57	200.22	197.49	194.15	191.05	188.19	186.05	185.51	186.11	187.67	190.14	192.62	194.84	196.57	197.44	197.69	197.96	-0.2%
Light Trucks 1/																							
Conventional Gasoline	218.26	230.80	238.26	243.25	246.98	247.20	245.89	246.24	246.22	245.33	244.40	243.57	244.09	245.83	248.60	252.40	256.79	260.65	263.89	266.24	267.64	268.70	1.0%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																							
Flex	0.35	0.60	0.95	1.30	1.61	1.89	2.11	2.22	2.22	2.22	2.21	2.21	2.21	2.22	2.24	2.27	2.30	2.34	2.37	2.39	2.41	2.42	9.6%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																							
Flex	0.81	1.40	2.23	3.05	3.80	4.47	5.00	5.24	5.25	5.25	5.23	5.22	5.22	5.25	5.29	5.36	5.44	5.53	5.60	5.66	5.70	5.73	9.8%
Neat	0.81	1.40	2.23	3.05	3.80	4.47	5.00	5.24	5.25	5.25	5.23	5.22	5.22	5.25	5.29	5.36	5.44	5.53	5.60	5.66	5.70	5.73	9.8%
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG Bi-fuel	1.37	2.32	3.51	4.68	5.67	6.48	7.05	7.30	7.31	7.30	7.28	7.25	7.26	7.30	7.37	7.47	7.59	7.71	7.81	7.88	7.94	7.98	8.7%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	1.24	1.76	2.40	3.03	3.57	4.01	4.32	4.46	4.47	4.46	4.44	4.43	4.44	4.46	4.50	4.57	4.64	4.71	4.77	4.82	4.85	4.87	6.7%
Electric	0.06	0.10	0.15	0.20	0.24	0.28	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.35	0.35	8.7%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric-Gasoline Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell																							
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Truck	429.18	446.80	459.22	468.42	472.77	471.38	469.88	468.51	465.21	461.17	457.31	454.26	454.27	456.73	461.29	467.90	475.16	481.64	486.96	490.44	492.28	493.75	0.7%
Total Fleet Vehicles	635.46	655.22	668.71	678.27	679.86	673.95	670.10	666.00	659.36	652.22	645.50	640.31	639.78	642.85	648.95	658.04	667.78	676.48	683.53	687.88	689.97	691.71	0.4%
Commercial Light Trucks 2/	72.87	74.02	75.64	78.00	79.92	81.62	83.62	85.73	87.70	89.58	91.37	93.25	94.95	96.63	98.51	100.54	102.73	104.75	106.68	108.57	110.53	112.54	2.1%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not applicable.

Sources: 1999 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2. (April 23, 1997); and Energy Information Administration (EIA), AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 54. Air Travel Energy Use (1 of 2)

Indicators	1999-																				2020		
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Fuel Cost (1987 dollars per million B	3.5	4.9	4.1	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.4	1.1%
Macro Variables (1996 dollars)																							
GDP	8875.8	9338.4	9696.5	10036.4	10344.6	10641.8	10959.7	11273.3	11604.6	11950.9	12300.5	12666.7	13034.2	13424.8	13820.9	14231.7	14635.2	15024.7	15410.6	15774.9	16141.4	16514.9	3.0%
Disposable Income	6363.4	6551.0	6865.0	7077.8	7265.2	7468.8	7702.4	7943.7	8175.2	8419.4	8670.7	8928.1	9175.8	9446.8	9739.4	10047.7	10361.0	10671.3	10973.4	11262.7	11549.6	11841.7	3.0%
Real Merchandise Exports	752.2	839.0	902.5	986.0	1076.4	1171.3	1277.2	1389.8	1509.5	1637.8	1777.1	1929.5	2087.9	2259.2	2442.4	2638.4	2849.0	3068.4	3300.4	3546.8	3805.2	4079.4	8.4%
Yield (ticket price, 1992 dollars) 1/	14.0	15.4	14.6	14.3	14.3	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.6	14.6	14.7	14.8	14.8	14.8	14.8	14.8	14.8	0.3%
Travel Demand (billion miles)																							
Revenue Passenger Miles, Domestic	482.7	491.6	499.3	507.3	524.0	540.5	559.5	578.9	597.6	617.9	638.4	659.5	680.2	702.7	726.0	750.3	774.6	799.6	824.2	847.5	870.8	894.6	3.0%
Personal	251.0	253.1	257.2	263.0	271.1	279.4	289.6	300.2	309.7	320.2	331.0	341.8	352.2	363.7	375.9	388.6	401.6	415.7	429.5	442.6	455.6	468.9	3.0%
Business	231.7	238.6	242.2	244.3	252.9	261.1	269.9	278.7	287.9	297.6	307.4	317.7	328.0	339.0	350.1	361.7	373.0	383.9	394.7	404.9	415.2	425.7	2.9%
Load Factor, Domestic 2/	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.4%
Revenue Passenger Miles, International	178.3	193.1	198.2	201.7	208.7	215.5	223.3	231.3	239.2	247.5	256.0	264.8	273.5	282.9	292.8	303.0	313.2	323.3	333.3	342.8	352.2	361.8	3.4%
Load Factor, International 2/	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.3%
Revenue Ton Miles, Freight (billion)	16.7	17.1	17.9	18.0	19.7	21.3	23.2	25.1	27.1	29.3	31.6	34.2	36.8	39.6	42.6	45.8	49.2	52.7	56.3	60.1	64.1	68.3	6.9%
Seat Miles Demanded (billion)	1099.2	1135.9	1158.6	1171.8	1217.0	1261.8	1312.7	1364.9	1417.3	1473.4	1531.4	1592.2	1653.1	1719.0	1788.1	1860.5	1934.4	2009.7	2085.8	2160.9	2237.3	2316.7	3.6%
Narrow Body Aircraft	557.3	570.2	575.8	576.5	592.7	608.4	626.6	645.0	663.1	682.5	702.2	722.8	743.0	764.9	787.6	811.3	835.1	859.0	882.6	905.2	927.8	951.2	2.6%
Wide Body Aircraft	541.8	565.7	582.8	595.3	624.2	653.4	686.1	719.9	754.2	790.9	829.1	869.4	910.2	954.2	1000.5	1049.1	1099.3	1150.7	1203.2	1255.7	1309.4	1365.5	4.5%
Aircraft Sales																							
Narrow Body Aircraft	258.3	200.7	167.8	127.3	254.7	250.8	272.6	276.0	275.6	289.4	296.5	308.0	309.1	328.8	341.8	355.3	362.2	368.5	372.6	370.4	375.7	386.6	1.9%
Wide Body Aircraft	79.0	68.1	62.4	54.2	89.1	90.6	98.8	101.9	103.8	109.5	113.3	118.4	120.4	128.0	133.9	140.1	144.4	148.6	152.4	154.1	158.6	165.4	3.6%
Aircraft Stock																							
Narrow Body Aircraft	4617.0	4696.0	4742.3	4748.3	4881.7	5010.9	5160.9	5312.5	5461.3	5620.8	5783.4	5953.2	6119.1	6299.3	6486.9	6682.0	6878.0	7074.2	7268.6	7455.2	7641.5	7833.7	2.5%
Wide Body Aircraft	1119.4	1161.9	1197.1	1222.7	1282.1	1341.9	1409.0	1478.5	1549.0	1624.5	1702.9	1785.6	1869.3	1959.7	2054.8	2154.8	2257.7	2363.4	2471.2	2579.0	2689.5	2804.7	4.5%
Advanced Technology Penetration																							
Ultra-high Bypass	0.00	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.05	0.11	0.20	0.34	0.52	0.69	26.5%
Propfan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Thermodynamics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Hybrid Laminar Flow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Advanced Aerodynamics	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Weight Reducing Materials	0.00	0.00	0.01	0.02	0.04	0.08	0.14	0.25	0.40	0.57	0.73	0.85	0.92	0.96	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	33.1%
New Aircraft Efficiency 3/																							
Narrow Body Aircraft	50.8	51.2	51.5	51.9	52.2	52.6	53.0	53.4	53.8	54.2	54.6	55.0	55.5	55.9	56.3	56.7	57.2	57.6	58.1	58.5	58.9	59.4	0.7%
Wide Body Aircraft	60.5	60.9	61.2	61.5	61.8	62.2	62.6	63.0	63.3	63.7	64.1	64.5	64.8	65.2	65.6	66.0	66.4	66.7	67.1	67.5	67.9	68.2	0.6%
Average Aircraft	52.8	53.3	53.8	54.4	54.4	54.8	55.2	55.7	56.1	56.5	56.9	57.4	57.8	58.2	58.6	59.1	59.5	60.0	60.4	60.9	61.3	61.8	0.8%

Table 54. Air Travel Energy Use (2 of 2)

Indicators	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Aircraft Stock Efficiency 3/																							
Narrow Body Aircraft	47.6	47.9	48.3	48.6	48.9	49.3	49.7	50.1	50.4	50.8	51.2	51.6	52.0	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.3	55.7	0.7%
Wide Body Aircraft	56.8	57.1	57.4	57.7	58.0	58.4	58.7	59.1	59.4	59.8	60.1	60.5	60.8	61.2	61.6	61.9	62.3	62.6	63.0	63.3	63.7	64.0	0.6%
Average Aircraft	51.7	52.1	52.5	52.8	53.2	53.6	54.0	54.4	54.9	55.3	55.7	56.1	56.5	56.9	57.4	57.8	58.2	58.6	59.1	59.5	59.9	60.3	0.7%
Fuel Consumption (trillion Btu)																							
Commercial																							
Jet Fuel	2982.8	3060.2	3100.4	3116.1	3211.3	3304.3	3411.2	3519.8	3627.5	3742.8	3861.0	3984.6	4106.7	4238.8	4376.6	4520.3	4665.6	4812.2	4958.9	5101.5	5245.2	5393.8	2.9%
Aviation Gasoline	42.7	42.6	42.5	42.4	42.3	42.3	42.3	42.2	42.2	42.2	42.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	-0.1%
Military																							
Jet Fuel	479.2	480.8	491.0	489.2	488.9	490.4	496.3	504.5	512.5	520.5	528.1	535.8	543.2	550.1	556.7	563.2	569.7	576.3	583.0	589.8	596.6	603.6	1.1%

1/ Fraction of seats filled.

2/ 1992 cents per passenger mile.

3/ Seat miles per gallon.

RPM = Revenue passenger miles.

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 1999 derived using: Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Model Maintenance Re-Estimation of the Air Travel Demand Model, Subtask 22-1(a), (September 30, 1997); Federal Aviation Administration (FAA), FAA Aviation Forecasts, Fiscal Years 1998-2009, FAA-APO 98-1, and previous editions; United States Department of Transportation (DOT), Research and Special Programs Administration (RSPA), Fuel Cost and Consumption Tables, annual summaries, 1979-1990; U.S. Department of Transportation, RSPA, Air Carrier Financial Statistics Quarterly, December 1999/1998; U.S. Department of Transportation, RSPA, Air Carrier Statistics Monthly, December 1999/1998 (Washington, DC, 1999); Greene, D.L., "Energy Efficiency Improvement Potential of Commercial Aircraft to 2010," ORNL-6622, 6/1990; Rathi, A. B. Peterson, and D. Greene, Air Transport Energy Use Model, Oak Ridge National Laboratory, April 1991, Draft; Energy Information Administration (EIA), State Energy Data Report 1997, DOE/EIA-0214(97) (Washington, DC, September 1999); Department of Defense, Defense Energy Support Center, Fact Book: Fiscal Year 1999; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 55. Freight Transportation Energy Use (1 of 3)

Technology and Fuel Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Existing Trucks by Size Class																								
Vehicle Miles Traveled (billion miles)																								
Medium																								
Diesel	36.78	38.80	40.00	41.22	42.45	43.47	44.92	46.25	47.52	48.76	50.00	51.27	52.48	53.68	55.05	56.49	58.19	59.78	61.40	63.07	64.87	66.78	2.9%	
Gasoline	19.37	18.13	17.07	16.28	15.52	14.61	13.92	13.23	12.71	12.22	11.88	11.62	11.33	11.11	10.94	10.80	10.72	10.63	10.60	10.60	10.65	10.72	-2.8%	
Liquefied Petroleum Gas	0.67	0.78	0.71	0.73	0.80	0.85	0.85	0.90	0.95	0.97	1.01	1.06	1.08	1.11	1.15	1.19	1.23	1.26	1.30	1.35	1.39	1.43	3.7%	
Compressed Natural Gas	0.05	0.06	0.08	0.12	0.19	0.28	0.42	0.59	0.79	1.05	1.35	1.66	1.98	2.27	2.57	2.84	3.09	3.32	3.53	3.74	3.92	4.08	23.8%	
Medium Subtotal	56.87	57.76	57.86	58.36	58.96	59.22	60.12	60.97	61.97	63.00	64.24	65.61	66.87	68.18	69.71	71.32	73.22	74.99	76.83	78.76	80.84	83.01	1.8%	
Heavy																								
Diesel	145.42	156.99	162.43	169.79	175.63	180.61	186.32	192.52	197.94	203.02	207.45	212.46	217.08	221.53	226.75	232.45	238.30	244.13	249.88	255.42	261.18	267.48	2.9%	
Gasoline	1.65	1.55	1.47	1.41	1.35	1.29	1.22	1.17	1.10	1.06	1.03	1.01	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.99	1.00	1.01	-2.3%
Liquefied Petroleum Gas	0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.16	0.19	0.20	0.22	0.23	0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.34	11.8%	
Compressed Natural Gas	0.02	0.02	0.02	0.03	0.04	0.05	0.07	0.10	0.13	0.16	0.20	0.25	0.29	0.33	0.37	0.42	0.46	0.50	0.54	0.58	0.62	0.65	19.2%	
Heavy Subtotal	147.12	158.61	163.99	171.31	177.12	182.07	187.76	193.95	199.35	204.45	208.91	213.95	218.61	223.10	228.37	234.13	240.04	245.92	251.72	257.31	263.13	269.48	2.9%	
Total Vehicle Miles Traveled	203.99	216.37	221.85	229.67	236.07	241.29	247.87	254.92	261.32	267.44	273.15	279.56	285.48	291.28	298.08	305.45	313.26	320.91	328.55	336.08	343.96	352.49	2.6%	
Consumption (trillion Btu)																								
Medium																								
Diesel	573.35	598.43	611.64	623.85	637.82	648.37	666.20	681.50	697.30	712.34	728.22	744.37	759.86	775.34	793.20	812.15	834.78	856.11	877.87	900.62	925.21	951.36	2.4%	
Gasoline	294.83	275.67	259.49	247.07	235.46	221.45	210.90	199.62	191.42	183.46	177.96	173.42	168.51	164.59	161.26	158.45	156.52	154.50	153.36	152.71	152.72	153.01	-3.1%	
Liquefied Petroleum Gas	13.29	15.16	13.54	13.43	14.30	14.75	14.52	14.97	15.65	15.86	16.31	17.03	17.30	17.59	18.12	18.61	19.13	19.62	20.19	20.82	21.40	22.00	2.4%	
Compressed Natural Gas	0.77	0.97	1.25	1.99	2.99	4.46	6.53	9.19	12.34	16.29	20.85	25.74	30.60	35.20	39.85	43.93	47.83	51.32	54.59	57.83	60.66	63.12	23.3%	
Medium Subtotal	882.23	890.23	885.92	886.34	890.57	889.02	898.15	905.27	916.71	927.95	943.35	960.57	976.26	992.72	1012.42	1033.15	1058.26	1081.55	1106.02	1131.99	1159.98	1189.48	1.4%	
Heavy																								
Diesel	3358.16	3581.44	3673.24	3807.62	3910.04	3994.82	4093.61	4199.89	4288.25	4367.38	4430.48	4500.31	4560.18	4615.95	4686.92	4767.39	4849.68	4929.47	5004.71	5071.01	5136.30	5209.37	2.1%	
Gasoline	30.11	28.29	26.80	25.60	24.46	23.43	22.11	20.96	19.71	18.94	18.37	17.87	17.49	17.16	16.91	16.74	16.62	16.52	16.47	16.46	16.47	16.55	-2.8%	
Liquefied Petroleum Gas	0.64	0.93	1.19	1.50	1.79	2.06	2.39	2.75	3.11	3.42	3.63	3.84	4.02	4.19	4.39	4.62	4.83	5.03	5.22	5.35	5.44	5.55	10.8%	
Compressed Natural Gas	0.35	0.37	0.43	0.54	0.68	0.91	1.26	1.70	2.19	2.79	3.40	4.12	4.81	5.50	6.21	6.91	7.64	8.34	9.08	9.77	10.45	11.10	17.9%	
Heavy Subtotal	3389.25	3611.02	3701.67	3835.26	3936.96	4021.22	4119.38	4225.31	4313.26	4392.51	4485.86	4526.14	4586.50	4642.81	4714.42	4795.66	4878.77	4959.37	5035.49	5102.59	5168.67	5242.57	2.1%	
Medium and Heavy Total																								
Diesel	3931.50	4179.86	4284.89	4431.47	4547.86	4643.19	4759.81	4881.40	4985.55	5079.72	5158.70	5244.68	5320.04	5391.29	5480.12	5579.54	5684.46	5785.58	5882.59	5971.64	6061.51	6160.73	2.2%	
Gasoline	324.93	303.95	286.29	272.68	259.93	244.87	233.01	220.58	211.13	202.40	196.33	191.29	186.00	181.75	178.17	175.19	173.14	171.02	169.83	169.17	169.19	169.56	-3.0%	
Liquefied Petroleum Gas	13.92	16.09	14.74	14.93	16.09	16.81	16.91	17.71	18.76	19.28	19.94	20.87	21.32	21.78	22.51	23.23	23.97	24.66	25.41	26.17	26.85	27.54	3.3%	
Compressed Natural Gas	1.12	1.34	1.68	2.53	3.67	5.37	7.79	10.89	14.53	19.07	24.25	29.87	35.41	40.70	46.05	50.85	55.47	59.65	63.67	67.60	71.11	74.22	22.1%	
Total	4271.48	4501.25	4587.58	4721.60	4827.54	4910.24	5017.52	5130.58	5229.97	5320.47	5399.21	5486.71	5562.76	5635.53	5726.84	5828.81	5937.03	6040.92	6141.51	6234.58	6328.65	6432.05	2.0%	
Fuel Efficiency (gasoline equivalent)																								
Medium																								
Diesel	8.09	8.16	8.24	8.34	8.40	8.45	8.49	8.54	8.58	8.63	8.63	8.66	8.69	8.71	8.74	8.76	8.78	8.79	8.81	8.82	8.83	8.84	0.4%	
Gasoline	8.28	8.28	8.29	8.30	8.31	8.30	8.30	8.33	8.34	8.38	8.40	8.43	8.47	8.49	8.53	8.58	8.61	8.65	8.69	8.73	8.77	8.81	0.3%	
Liquefied Petroleum Gas	6.41	6.44	6.62	6.85	7.11	7.26	7.41	7.58	7.67	7.71	7.73	7.81	7.87	7.92	7.98	8.03	8.07	8.10	8.13	8.16	8.18	8.20	1.2%	
Compressed Natural Gas	7.55	7.61	7.72	7.90	8.02	8.06	8.09	8.12	8.13	8.14	8.15	8.15	8.16	8.16	8.16	8.16	8.16	8.17	8.17	8.17	8.17	8.17	0.4%	
Medium Average	8.13	8.16	8.23	8.30	8.35	8.39	8.43	8.48	8.51	8.56	8.56	8.59	8.62	8.64	8.67	8.69	8.71	8.73	8.75	8.76	8.78	8.79	0.4%	
Heavy																								
Diesel	5.47	5.53	5.58	5.63	5.66	5.70	5.74	5.77	5.82	5.86	5.89	5.94	5.99	6.04	6.09	6.14	6.19	6.23	6.29	6.34	6.40	6.46	0.8%	
Gasoline	6.92	6.91	6.92	6.93	6.95	6.96	6.96	7.00	7.00	7.01	7.06	7.11	7.17	7.23	7.29	7.36	7.41	7.47	7.52	7.57	7.61	7.66	0.5%	
Liquefied Petroleum Gas	6.54	6.91	7.08	7.20	7.29	7.35	7.41	7.46	7.52	7.57	7.60	7.65	7.69	7.72	7.74	7.75	7.76	7.76	7.76	7.76	7.76	7.75	0.8%	
Compressed Natural Gas	5.90	6.10	6.37	6.67	6.90	7.01	7.24	7.35	7.42	7.48	7.53	7.56	7.58	7.59	7.59	7.58	7.57	7.54	7.50	7.46	7.42	7.38	1.1%	
Heavy Average	5.48	5.54	5.59	5.64	5.67	5.71	5.74	5.78	5.83	5.86	5.90	5.95	6.00	6.05	6.10	6.15	6.19	6.24	6.29	6.35	6.41	6.47	0.8%	
Average	6.03	6.06	6.10	6.14	6.17	6.19	6.23	6.26	6.30	6.33	6.36	6.41	6.46	6.51	6.55	6.60	6.64	6.69	6.74	6.79	6.84	6.90	0.6%	

Table 55. Freight Transportation Energy Use (3 of 3)

	1999-																						
Technology and Fuel Type	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Domestic Shipping																							
Ton Miles Shipping (billion ton miles)	661.22	683.93	692.99	710.89	722.34	726.66	732.78	739.25	746.89	755.74	764.01	775.45	783.05	793.09	805.17	817.86	832.31	845.70	858.43	869.80	878.79	889.79	1.4%
Fuel Efficiency (ton miles per thousa	2.32	2.35	2.38	2.41	2.44	2.47	2.50	2.53	2.56	2.59	2.62	2.65	2.68	2.72	2.75	2.78	2.82	2.85	2.88	2.92	2.96	2.99	1.2%
Fuel Consumption (trillion Btu)																							
Distillate (diesel)	201.89	206.90	207.13	209.93	210.75	209.47	208.70	208.01	207.64	207.58	207.33	207.91	207.43	207.57	208.20	208.95	210.09	210.90	211.51	211.74	211.36	211.44	0.2%
Residual Oil	82.94	84.18	84.27	85.41	85.74	85.22	84.90	84.63	84.48	84.45	84.35	84.59	84.39	84.45	84.70	85.01	85.47	85.80	86.05	86.14	85.99	86.02	0.2%
Motor Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
International Shipping																							
Gross Trade (billion 1996 dollars)	1916.48	2155.84	2337.18	2513.91	2720.10	2934.98	3170.72	3409.42	3668.02	3947.33	4251.64	4578.03	4920.80	5295.07	5689.62	6116.38	6572.31	7044.63	7544.96	8068.31	8621.78	9219.18	7.8%
Exports (billion 1996 dollars)	752.20	839.04	902.50	986.00	1076.36	1171.35	1277.16	1389.80	1509.50	1637.78	1777.06	1929.50	2087.92	2259.23	2442.40	2638.39	2848.96	3068.42	3300.42	3546.81	3805.23	4079.38	8.4%
Imports (billion 1996 dollars)	1164.27	1316.80	1434.68	1527.91	1643.74	1763.63	1893.56	2019.61	2158.52	2309.55	2474.58	2648.53	2832.87	3035.84	3247.22	3478.00	3723.34	3976.21	4244.54	4521.50	4816.55	5139.80	7.3%
Fuel Consumption (trillion Btu)																							
Distillate (diesel)	44.87	52.65	52.65	52.74	52.85	52.95	53.05	53.15	53.25	53.34	53.44	53.54	53.63	53.73	53.83	53.92	54.02	54.11	54.20	54.29	54.38	54.47	0.9%
Residual Oil	638.60	742.07	742.07	743.45	744.93	746.36	747.80	749.15	750.52	751.89	753.27	754.65	756.00	757.37	758.71	760.06	761.40	762.69	763.97	765.22	766.46	767.71	0.9%

VMT = Vehicle miles traveled.

MPG = Miles per gallon.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 1999 derived using: Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18, and 19 (Oak Ridge, TN, September 1999); United States Department of Transportation, 1989 Carload Waybill Statistics Traffic and Revenue by Commodity Classes, September 1991 and prior issues; Reebie Associates, TRANSEARCH Database, (Greenwich, Connecticut, 1989); Army Corps of Engineers, Waterborne Commerce of the United States, (New Orleans), 1991 and prior issues; U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); and Energy Information Administration (EIA), AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 56. New Light-Duty Vehicle Fuel Economy (1 of 4)
(Miles per Gallon)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Gasoline																							
Mini-compact Cars	24.60	24.65	24.81	25.21	26.55	26.61	26.77	26.88	26.97	27.06	27.22	27.39	27.42	27.49	27.60	27.64	27.71	27.79	27.84	27.88	27.94	27.99	0.6%
Subcompact Cars	31.82	32.33	32.83	33.25	34.60	34.73	34.99	35.27	35.72	36.06	36.52	36.81	36.83	36.84	36.88	36.84	36.79	36.77	36.76	36.75	36.76	36.78	0.7%
Compact Cars	29.68	30.55	30.89	31.10	32.15	32.13	32.17	32.46	32.69	32.94	33.29	33.65	33.71	33.70	33.71	33.64	33.58	33.54	33.55	33.55	33.53	33.54	0.6%
Midsize Cars	26.95	27.55	27.89	28.19	29.20	29.28	29.39	29.60	29.88	30.16	30.37	30.61	30.60	30.63	30.67	30.64	30.63	30.68	30.72	30.75	30.76	30.79	0.6%
Large Cars	24.75	25.33	25.72	25.95	26.70	26.76	26.86	27.01	27.27	27.56	27.93	28.33	28.57	28.58	28.60	28.54	28.49	28.46	28.46	28.46	28.47	28.50	0.7%
Two Seater Cars	25.83	27.03	27.31	27.66	28.87	28.88	29.04	29.19	29.35	29.53	29.78	30.06	30.18	30.24	30.34	30.35	30.39	30.44	30.49	30.53	30.59	30.65	0.8%
Small Pickup	25.05	25.46	26.12	26.15	26.29	26.14	26.13	26.14	26.24	26.37	26.59	26.87	27.02	27.20	27.38	27.51	27.65	27.81	27.97	28.16	28.37	28.38	0.6%
Large Pickup	18.50	18.74	19.20	19.23	19.38	19.29	19.34	19.46	19.59	19.74	19.92	20.15	20.29	20.45	20.58	20.69	20.82	20.96	21.11	21.31	21.50	21.49	0.7%
Small Van	25.03	25.47	26.23	26.22	26.40	26.17	26.16	26.18	26.28	26.42	26.65	26.95	27.14	27.34	27.54	27.67	27.84	28.03	28.24	28.49	28.76	28.78	0.7%
Large Van	18.00	18.36	18.89	19.03	19.37	19.35	19.42	19.62	19.86	20.08	20.36	20.64	20.78	20.96	21.11	21.22	21.35	21.49	21.65	21.85	22.07	22.09	1.0%
Small Utility	21.20	21.70	22.18	22.29	22.91	22.81	22.79	22.82	22.94	23.10	23.32	23.59	23.74	23.90	24.11	24.26	24.40	24.51	24.64	24.80	24.99	25.03	0.8%
Large Utility	16.94	16.97	17.40	17.48	17.76	17.71	17.78	17.96	18.19	18.41	18.66	18.95	19.09	19.25	19.39	19.53	19.66	19.77	19.90	20.05	20.23	20.25	0.9%
Turbo Direct Injection Diesel																							
Mini-compact Cars	33.16	33.16	33.44	34.03	35.44	35.18	35.30	35.38	35.45	35.55	35.78	35.98	36.01	36.05	36.17	36.17	36.24	36.25	36.28	36.32	36.37	36.40	0.4%
Subcompact Cars	42.84	43.31	43.98	44.44	45.80	45.87	46.23	46.70	47.10	47.44	47.95	48.32	48.39	48.38	48.33	48.18	48.07	48.00	47.94	47.89	47.87	47.88	0.5%
Compact Cars	39.93	40.97	41.46	41.68	42.72	42.56	42.63	42.78	43.04	43.27	43.58	43.91	44.11	44.22	44.15	43.98	43.85	43.72	43.65	43.57	43.52	43.50	0.4%
Midsize Cars	36.22	36.95	37.35	37.70	38.88	38.88	38.98	39.15	39.34	39.55	39.83	40.11	40.26	40.32	40.33	40.24	40.19	40.16	40.17	40.18	40.15	40.15	0.5%
Large Cars	33.32	34.06	34.58	34.87	35.59	35.61	35.80	36.00	36.29	36.61	36.98	37.38	37.60	37.62	37.57	37.46	37.35	37.28	37.26	37.24	37.26	37.29	0.5%
Two Seater Cars	34.77	36.31	36.75	37.21	38.45	38.22	38.45	38.60	38.76	38.97	39.32	39.62	39.69	39.73	39.81	39.79	39.81	39.82	39.85	39.89	39.96	40.00	0.7%
Small Pickup	33.75	34.28	35.15	35.16	35.34	35.07	35.08	35.04	35.09	35.19	35.37	35.62	35.75	35.89	36.05	36.14	36.27	36.39	36.54	36.72	36.96	37.04	0.4%
Large Pickup	24.94	25.25	25.86	25.87	26.00	25.84	25.91	26.02	26.17	26.34	26.53	26.81	26.96	27.13	27.30	27.43	27.58	27.74	27.89	28.10	28.36	28.34	0.6%
Small Van	33.68	34.25	35.29	35.28	35.39	35.03	35.00	34.99	35.05	35.16	35.36	35.64	35.83	36.00	36.16	36.27	36.41	36.58	36.78	37.04	37.37	37.50	0.5%
Large Van	24.19	24.60	25.27	25.40	25.95	25.84	25.91	26.05	26.32	26.60	26.90	27.25	27.41	27.58	27.76	27.89	28.04	28.20	28.38	28.59	28.87	28.88	0.8%
Small Utility	28.48	29.06	29.70	29.80	30.54	30.33	30.33	30.31	30.39	30.57	30.76	31.07	31.20	31.36	31.56	31.65	31.72	31.81	31.97	32.14	32.36	32.37	0.6%
Large Utility	22.82	22.83	23.36	23.44	23.83	23.70	23.74	23.89	24.14	24.43	24.72	25.10	25.26	25.42	25.62	25.74	25.87	25.98	26.12	26.30	26.53	26.56	0.7%
Methanol																							
Mini-compact Cars	26.62	26.66	26.92	27.46	28.79	28.63	28.71	28.83	28.93	29.04	29.23	29.43	29.48	29.56	29.72	29.75	29.80	29.83	29.86	29.90	29.96	30.00	0.6%
Subcompact Cars	34.30	34.73	35.25	35.70	37.08	37.14	37.41	37.71	38.06	38.42	38.87	39.26	39.48	39.49	39.54	39.47	39.42	39.37	39.35	39.34	39.34	39.35	0.7%
Compact Cars	31.99	32.90	33.28	33.50	34.57	34.49	34.54	34.70	34.94	35.20	35.54	35.93	36.11	36.14	36.15	36.06	35.98	35.93	35.92	35.90	35.90	35.90	0.6%
Midsize Cars	29.04	29.70	29.99	30.32	31.38	31.38	31.53	31.84	32.12	32.42	32.64	32.89	32.89	32.91	32.96	32.92	32.90	32.91	32.95	32.99	32.99	33.03	0.6%
Large Cars	26.70	27.32	27.74	27.98	28.72	28.76	28.88	29.04	29.31	29.61	29.99	30.39	30.65	30.65	30.66	30.60	30.55	30.52	30.52	30.52	30.53	30.55	0.6%
Two Seater Cars	27.90	29.17	29.54	29.95	31.17	31.08	31.17	31.33	31.51	31.71	31.99	32.29	32.44	32.50	32.62	32.63	32.66	32.68	32.71	32.75	32.80	32.86	0.8%
Small Pickup	27.03	27.47	28.17	28.19	28.35	28.16	28.15	28.15	28.24	28.38	28.60	28.88	29.05	29.23	29.42	29.55	29.69	29.85	30.02	30.23	30.46	30.46	0.6%
Large Pickup	19.97	20.23	20.72	20.74	20.89	20.78	20.83	20.95	21.09	21.25	21.44	21.67	21.82	21.98	22.14	22.25	22.38	22.52	22.67	22.87	23.10	23.09	0.7%
Small Van	27.00	27.47	28.29	28.28	28.43	28.17	28.15	28.17	28.26	28.40	28.63	28.94	29.14	29.35	29.56	29.69	29.86	30.06	30.28	30.56	30.85	30.86	0.6%
Large Van	19.41	19.79	20.35	20.49	20.88	20.84	20.89	21.10	21.34	21.58	21.87	22.17	22.31	22.48	22.66	22.77	22.90	23.04	23.20	23.41	23.66	23.68	1.0%
Small Utility	22.84	23.37	23.88	23.99	24.66	24.54	24.52	24.54	24.66	24.81	25.04	25.33	25.48	25.65	25.85	26.03	26.15	26.28	26.42	26.58	26.78	26.82	0.8%
Large Utility	18.29	18.31	18.76	18.85	19.14	19.09	19.14	19.33	19.56	19.79	20.06	20.35	20.50	20.66	20.82	20.96	21.08	21.20	21.34	21.51	21.70	21.71	0.8%
Methanol Flex																							
Mini-compact Cars	25.18	25.30	25.47	25.99	27.29	27.15	27.24	27.35	27.44	27.54	27.72	27.91	27.96	28.03	28.18	28.21	28.26	28.30	28.32	28.37	28.43	28.47	0.6%
Subcompact Cars	32.41	32.85	33.42	33.86	35.21	35.30	35.55	35.84	36.18	36.53	36.95	37.33	37.42	37.43	37.49	37.42	37.38	37.34	37.33	37.32	37.33	37.35	0.7%
Compact Cars	30.24	31.12	31.46	31.68	32.73	32.67	32.73	32.88	33.11	33.36	33.71	34.09	34.27	34.26	34.27	34.19	34.13	34.09	34.08	34.07	34.06	34.06	0.6%
Midsize Cars	27.46	28.10	28.36	28.68	29.70	29.70	29.85	30.10	30.41	30.70	30.91	31.16	31.15	31.18	31.23	31.19	31.18	31.19	31.23	31.28	31.29	31.32	0.6%
Large Cars	25.23	25.82	26.22	26.45	27.20	27.24	27.35	27.50	27.76	28.05	28.42	28.82	29.07	29.08	29.10	29.04	28.99	28.96	28.96	28.96	28.96	29.00	0.7%
Two Seater Cars	26.38	27.65	27.94	28.33	29.54	29.45	29.56	29.71	29.87	30.06	30.32	30.62	30.76	30.82	30.94	30.95	30.97	30.99	31.03	31.07	31.13	31.18	0.8%
Small Pickup	25.54	25.95	26.62	26.64	26.79	26.62	26.61	26.62	26.71	26.85	27.06	27.35	27.50	27.68	27.87	27.99	28.13	28.29	28.46	28.65	28.86	28.87	0.6%
Large Pickup	18.86	19.11	19.58	19.60	19.75	19.65	19.70	19.82	19.96	20.10	20.28	20.51	20.66	20.82	20.96	21.07	21.20	21.33	21.49	21.68	21.88	21.87	0.7%
Small Van	25.51	25.96	26.74	26.73	26.90	26.66	26.64	26.67	26.76	26.90	27.13	27.43	27.63	27.83	28.03	28.16	28.33	28.52	28.74	28.99	29.27	29.29	0.7%
Large Van	18.35	18.72	19.25	19.39	19.74	19.71	19.78	19.98	20.22	20.45	20.73	21.01	21.15	21.32	21.48	21.59	21.73	21.86	22.02	22.23	22.46	22.47	1.0%
Small Utility																							

Table 56. New Light-Duty Vehicle Fuel Economy (2 of 4)
(Miles per Gallon)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Ethanol																							
Mini-compact Cars	25.66	25.78	25.96	26.48	27.79	27.64	27.73	27.85	27.94	28.04	28.22	28.42	28.47	28.54	28.70	28.72	28.77	28.81	28.83	28.88	28.94	28.98	0.6%
Subcompact Cars	33.04	33.54	34.17	34.62	35.98	36.17	36.43	36.83	37.18	37.45	37.83	38.07	38.09	38.11	38.17	38.10	38.05	38.01	38.00	37.99	37.99	38.01	0.7%
Compact Cars	30.82	31.72	32.07	32.29	33.35	33.28	33.32	33.50	33.73	33.98	34.33	34.70	34.89	34.89	34.90	34.82	34.75	34.70	34.70	34.68	34.68	34.68	0.6%
Midsize Cars	27.99	28.64	28.90	29.23	30.26	30.26	30.40	30.71	30.99	31.27	31.49	31.74	31.73	31.76	31.81	31.77	31.75	31.77	31.80	31.86	31.86	31.89	0.6%
Large Cars	25.72	26.32	26.72	26.96	27.70	27.75	27.86	28.01	28.28	28.57	28.94	29.35	29.60	29.60	29.62	29.56	29.51	29.48	29.48	29.48	29.49	29.52	0.7%
Two Seater Cars	26.89	28.17	28.47	28.87	30.08	29.99	30.09	30.25	30.42	30.61	30.88	31.18	31.32	31.38	31.50	31.51	31.53	31.56	31.59	31.63	31.69	31.74	0.8%
Small Pickup	26.04	26.46	27.14	27.16	27.31	27.13	27.13	27.13	27.22	27.36	27.58	27.86	28.02	28.19	28.39	28.51	28.65	28.81	28.98	29.18	29.40	29.40	0.6%
Large Pickup	19.23	19.48	19.96	19.98	20.13	20.03	20.08	20.20	20.34	20.48	20.67	20.90	21.05	21.21	21.35	21.46	21.59	21.73	21.88	22.08	22.29	22.28	0.7%
Small Van	26.01	26.47	27.26	27.25	27.41	27.17	27.15	27.17	27.26	27.40	27.63	27.94	28.13	28.34	28.54	28.67	28.84	29.04	29.26	29.51	29.80	29.81	0.7%
Large Van	18.70	19.07	19.62	19.76	20.12	20.09	20.15	20.36	20.59	20.83	21.11	21.40	21.54	21.71	21.88	21.99	22.12	22.26	22.42	22.62	22.86	22.87	1.0%
Small Utility	22.02	22.53	23.03	23.13	23.78	23.66	23.64	23.67	23.79	23.95	24.17	24.45	24.60	24.77	24.97	25.14	25.28	25.39	25.52	25.68	25.88	25.92	0.8%
Large Utility	17.62	17.64	18.08	18.16	18.45	18.40	18.46	18.64	18.87	19.10	19.35	19.65	19.79	19.96	20.10	20.24	20.37	20.48	20.62	20.78	20.96	20.98	0.8%
Ethanol Flex																							
Mini-compact Cars	24.94	25.07	25.23	25.75	27.04	26.90	26.99	27.10	27.19	27.29	27.46	27.66	27.71	27.78	27.92	27.95	28.00	28.04	28.07	28.11	28.17	28.22	0.6%
Subcompact Cars	32.10	32.53	33.00	33.44	34.79	34.88	35.12	35.40	35.75	36.09	36.51	37.00	37.09	37.10	37.16	37.09	37.04	37.01	37.00	36.99	37.00	37.02	0.7%
Compact Cars	29.94	30.82	31.16	31.38	32.43	32.37	32.43	32.58	32.81	33.06	33.40	33.78	33.96	33.95	33.96	33.88	33.82	33.78	33.78	33.77	33.75	33.76	0.6%
Midsize Cars	27.19	27.83	28.09	28.40	29.42	29.42	29.56	29.82	30.13	30.41	30.63	30.87	30.87	30.89	30.94	30.91	30.89	30.91	30.95	31.00	31.01	31.03	0.6%
Large Cars	24.99	25.57	25.96	26.19	26.94	26.99	27.09	27.24	27.51	27.79	28.16	28.56	28.81	28.82	28.84	28.78	28.73	28.69	28.70	28.70	28.70	28.74	0.7%
Two Seater Cars	26.13	27.39	27.67	28.06	29.27	29.18	29.29	29.44	29.60	29.78	30.05	30.34	30.48	30.54	30.66	30.67	30.69	30.71	30.75	30.79	30.85	30.91	0.8%
Small Pickup	25.29	25.70	26.36	26.38	26.53	26.36	26.36	26.36	26.46	26.60	26.81	27.09	27.25	27.42	27.61	27.73	27.87	28.03	28.20	28.38	28.60	28.60	0.6%
Large Pickup	18.68	18.92	19.39	19.41	19.56	19.46	19.51	19.63	19.77	19.91	20.09	20.32	20.46	20.63	20.76	20.87	21.00	21.14	21.29	21.48	21.68	21.67	0.7%
Small Van	25.27	25.71	26.48	26.47	26.64	26.41	26.39	26.42	26.51	26.65	26.88	27.18	27.37	27.58	27.77	27.91	28.07	28.27	28.48	28.73	29.00	29.02	0.7%
Large Van	18.17	18.54	19.06	19.21	19.55	19.52	19.59	19.80	20.03	20.26	20.53	20.82	20.96	21.13	21.29	21.40	21.53	21.67	21.83	22.03	22.25	22.27	1.0%
Small Utility	21.40	21.90	22.39	22.49	23.12	23.01	22.99	23.02	23.14	23.30	23.52	23.79	23.94	24.10	24.31	24.47	24.60	24.71	24.84	25.00	25.20	25.24	0.8%
Large Utility	17.11	17.14	17.56	17.65	17.93	17.88	17.95	18.13	18.35	18.57	18.83	19.12	19.26	19.42	19.56	19.70	19.83	19.94	20.07	20.23	20.41	20.43	0.8%
Compressed Natural Gas (CNG)																							
Mini-compact Cars	26.55	26.59	26.91	27.33	28.47	28.30	28.45	28.56	28.66	28.79	29.02	29.29	29.44	29.53	29.66	29.72	29.79	29.81	29.82	29.85	29.91	29.95	0.6%
Subcompact Cars	34.16	34.57	35.23	35.61	36.79	36.82	37.16	37.44	37.90	38.24	38.71	39.08	39.20	39.24	39.32	39.27	39.22	39.17	39.15	39.14	39.14	39.16	0.7%
Compact Cars	31.88	32.76	33.17	33.31	34.13	33.95	34.06	34.19	34.42	34.65	34.96	35.29	35.52	35.66	35.81	35.85	35.77	35.71	35.69	35.67	35.67	35.66	0.5%
Midsize Cars	28.94	29.56	29.93	30.17	31.01	30.88	31.10	31.24	31.46	31.65	31.94	32.27	32.50	32.63	32.77	32.81	32.78	32.76	32.75	32.76	32.79	32.81	0.6%
Large Cars	26.68	27.28	27.71	27.91	28.51	28.52	28.66	28.80	29.05	29.32	29.64	29.97	30.23	30.36	30.49	30.51	30.45	30.43	30.42	30.42	30.42	30.43	0.6%
Two Seater Cars	27.81	29.06	29.47	29.81	30.87	30.70	30.87	31.03	31.21	31.41	31.75	32.12	32.35	32.43	32.54	32.57	32.60	32.63	32.65	32.69	32.74	32.79	0.8%
Small Pickup	27.02	27.45	28.15	28.17	28.32	28.12	28.12	28.11	28.19	28.30	28.48	28.70	28.83	28.96	29.10	29.19	29.29	29.39	29.55	29.76	29.96	30.12	0.5%
Large Pickup	19.96	20.22	20.70	20.72	20.86	20.75	20.80	20.91	21.05	21.19	21.36	21.56	21.68	21.81	21.93	22.01	22.11	22.21	22.33	22.49	22.66	22.80	0.6%
Small Van	26.98	27.46	28.28	28.26	28.42	28.15	28.13	28.14	28.23	28.35	28.55	28.80	28.97	29.13	29.28	29.38	29.51	29.65	29.83	30.05	30.27	30.49	0.6%
Large Van	19.40	19.78	20.34	20.47	20.85	20.80	20.86	21.06	21.30	21.53	21.80	22.05	22.17	22.31	22.45	22.54	22.64	22.74	22.86	23.02	23.22	23.39	0.9%
Small Utility	22.83	23.36	23.87	23.97	24.61	24.48	24.46	24.48	24.59	24.72	24.91	25.14	25.27	25.40	25.55	25.66	25.76	25.85	26.01	26.19	26.39	26.55	0.7%
Large Utility	18.29	18.31	18.75	18.84	19.13	19.07	19.12	19.30	19.53	19.75	19.99	20.25	20.37	20.51	20.63	20.72	20.82	20.92	21.05	21.20	21.36	21.50	0.8%
CNG Bi-Fuel																							
Mini-compact Cars	24.62	24.68	24.93	25.34	26.47	26.30	26.47	26.58	26.67	26.80	27.05	27.33	27.45	27.52	27.64	27.67	27.72	27.75	27.77	27.81	27.86	27.91	0.6%
Subcompact Cars	31.65	32.06	32.56	33.03	34.19	34.22	34.54	34.81	35.13	35.47	35.93	36.35	36.50	36.54	36.59	36.55	36.53	36.49	36.48	36.47	36.51	36.51	0.7%
Compact Cars	29.54	30.38	30.76	30.90	31.71	31.55	31.65	31.77	32.00	32.23	32.54	32.85	33.06	33.20	33.34	33.38	33.31	33.26	33.25	33.23	33.22	33.22	0.6%
Midsize Cars	26.82	27.42	27.76	27.99	28.80	28.68	28.89	29.03	29.23	29.42	29.71	30.02	30.23	30.35	30.48	30.52	30.49	30.48	30.48	30.50	30.52	30.54	0.6%
Large Cars	24.72	25.28	25.68	25.88	26.50	26.51	26.64	26.77	27.01	27.28	27.59	27.91	28.16	28.29	28.42	28.43	28.37	28.33	28.33	28.32	28.32	28.35	0.7%
Two Seater Cars	25.78	26.96	27.34	27.66	28.71	28.54	28.71	28.86	29.02	29.23	29.56	29.94	30.15	30.21	30.32	30.32	30.34	30.36	30.39	30.43	30.49	30.54	0.8%
Small Pickup	25.03	25.44	26.08	26.11	26.25	26.08	26.07	26.07	26.16	26.27	26.45	26.67	26.80	26.92	27.05	27.14	27.25	27.36	27.51	27.68	27.87	28.03	0.5%
Large Pickup	18.49	18.73	19.18	19.20	19.35	19.25	19.30	19.41	19.54	19.68	19.83	20.02	20.15	20.28	20.37	20.46	20.56	20.66	20.78	20.93	21.08	21.21	0.7%
Small Van	25.01	25.46	26.21	26.20	26.38	26.14	26.13	26.15	26.24	26.36	26.56	26.81	26.97	27.13	27.27	27.38	27.50	27.65	27.80	28.00	28.22	28.43	0.6%
Large Van	17.99	18.35	18.87	19.01	19.34	19.31	19.38	19.58	19.81	20.03	20.28	20.52	20.64	20.79	20.90	20.99	21.09	21.19	21.31	21.48	21.64	21.80	0.9%
Small Utility	21.18	21.68	22.16	22.27	22.85	22.74	22.72	22.75	22.86	22.99	23.18	23.39	23.52	23.65	23.80	23.89	24.00	24.09	24.24	24.42	24.61	24.75	0.7%
Large Utility	16.94	16.97	17.39	17.47	17.74	17.69	17.76	17.94	18.														

Table 56. New Light-Duty Vehicle Fuel Economy (3 of 4)
(Miles per Gallon)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Liquefied Petroleum Gas (LPG)																							
Mini-compact Cars	25.60	25.66	25.92	26.34	27.52	27.35	27.52	27.63	27.73	27.84	28.07	28.34	28.44	28.52	28.64	28.69	28.76	28.78	28.80	28.84	28.90	28.94	0.6%
Subcompact Cars	32.94	33.35	33.98	34.35	35.57	35.60	35.93	36.20	36.53	36.87	37.34	37.77	37.93	37.96	38.01	37.96	37.91	37.86	37.85	37.84	37.85	37.87	0.7%
Compact Cars	30.73	31.59	31.99	32.13	32.99	32.82	32.92	33.05	33.27	33.50	33.82	34.15	34.37	34.51	34.65	34.70	34.62	34.56	34.55	34.53	34.52	34.52	0.6%
Midsize Cars	27.88	28.50	28.85	29.09	29.94	29.81	30.03	30.16	30.37	30.56	30.85	31.18	31.40	31.53	31.66	31.70	31.67	31.65	31.65	31.67	31.69	31.72	0.6%
Large Cars	25.70	26.29	26.70	26.90	27.54	27.55	27.68	27.81	28.06	28.33	28.65	28.99	29.24	29.37	29.50	29.52	29.47	29.43	29.42	29.42	29.41	29.44	0.6%
Two Seater Cars	26.82	28.04	28.43	28.77	29.86	29.69	29.85	30.01	30.18	30.38	30.71	31.08	31.28	31.35	31.44	31.47	31.50	31.52	31.54	31.58	31.64	31.69	0.8%
Small Pickup	26.02	26.44	27.11	27.14	27.28	27.09	27.09	27.09	27.17	27.28	27.46	27.69	27.82	27.95	28.09	28.18	28.28	28.39	28.55	28.74	28.94	29.09	0.5%
Large Pickup	19.22	19.47	19.95	19.97	20.12	20.01	20.06	20.17	20.31	20.44	20.61	20.81	20.93	21.06	21.17	21.25	21.36	21.46	21.58	21.74	21.89	22.03	0.7%
Small Van	26.00	26.45	27.24	27.23	27.40	27.14	27.13	27.14	27.23	27.35	27.55	27.80	27.97	28.13	28.28	28.38	28.51	28.66	28.83	29.04	29.25	29.46	0.6%
Large Van	18.70	19.07	19.60	19.74	20.11	20.07	20.13	20.33	20.56	20.79	21.05	21.30	21.42	21.56	21.69	21.78	21.88	21.99	22.11	22.28	22.46	22.62	0.9%
Small Utility	22.01	22.52	23.02	23.12	23.76	23.64	23.62	23.65	23.75	23.89	24.08	24.31	24.43	24.56	24.72	24.82	24.92	25.02	25.17	25.36	25.56	25.72	0.7%
Large Utility	17.61	17.64	18.07	18.16	18.44	18.39	18.45	18.63	18.85	19.07	19.30	19.56	19.68	19.82	19.93	20.03	20.13	20.23	20.36	20.50	20.66	20.80	0.8%
LPG Bi-Fuel																							
Mini-compact Cars	24.64	24.70	24.96	25.37	26.54	26.37	26.54	26.64	26.74	26.85	27.09	27.35	27.46	27.53	27.65	27.68	27.73	27.76	27.78	27.82	27.88	27.92	0.6%
Subcompact Cars	31.69	32.09	32.60	32.97	34.18	34.21	34.52	34.79	35.11	35.44	35.90	36.44	36.59	36.62	36.67	36.62	36.57	36.53	36.53	36.52	36.53	36.58	0.7%
Compact Cars	29.56	30.40	30.79	30.93	31.78	31.62	31.72	31.84	32.07	32.29	32.61	32.94	33.15	33.29	33.43	33.47	33.39	33.35	33.33	33.32	33.31	33.31	0.6%
Midsize Cars	26.83	27.43	27.77	28.01	28.84	28.72	28.93	29.07	29.26	29.45	29.75	30.07	30.28	30.39	30.53	30.56	30.54	30.52	30.53	30.55	30.57	30.60	0.6%
Large Cars	24.72	25.29	25.69	25.89	26.54	26.56	26.73	26.86	27.10	27.37	27.68	28.04	28.21	28.34	28.47	28.49	28.43	28.39	28.39	28.38	28.38	28.41	0.7%
Two Seater Cars	25.81	26.99	27.37	27.70	28.79	28.62	28.85	28.99	29.16	29.35	29.68	30.07	30.18	30.24	30.35	30.35	30.37	30.39	30.42	30.46	30.52	30.58	0.8%
Small Pickup	25.03	25.44	26.09	26.11	26.25	26.08	26.08	26.08	26.16	26.28	26.46	26.68	26.81	26.94	27.07	27.16	27.27	27.38	27.53	27.71	27.90	28.06	0.5%
Large Pickup	18.49	18.73	19.19	19.21	19.36	19.27	19.31	19.43	19.56	19.69	19.85	20.05	20.17	20.30	20.40	20.49	20.59	20.70	20.81	20.97	21.12	21.25	0.7%
Small Van	25.01	25.46	26.21	26.20	26.38	26.14	26.12	26.15	26.24	26.36	26.56	26.81	26.98	27.13	27.28	27.38	27.51	27.66	27.81	28.02	28.23	28.44	0.6%
Large Van	17.99	18.35	18.88	19.02	19.36	19.33	19.40	19.60	19.82	20.04	20.29	20.54	20.66	20.81	20.93	21.01	21.12	21.22	21.35	21.51	21.68	21.84	0.9%
Small Utility	21.19	21.68	22.16	22.27	22.89	22.78	22.76	22.79	22.89	23.03	23.22	23.44	23.57	23.70	23.85	23.95	24.05	24.14	24.30	24.48	24.68	24.82	0.8%
Large Utility	16.94	16.97	17.39	17.48	17.75	17.70	17.77	17.95	18.16	18.38	18.60	18.86	18.98	19.12	19.23	19.32	19.43	19.52	19.65	19.79	19.94	20.08	0.8%
Electric																							
Mini-compact Cars	26.09	27.66	27.75	27.91	28.69	31.21	34.52	38.74	44.24	44.19	44.17	44.08	44.01	44.00	43.90	43.87	43.80	43.71	43.69	43.65	43.60	2.5%	
Subcompact Cars	33.37	34.70	35.57	35.74	36.69	39.85	44.04	49.38	56.31	56.06	55.86	55.73	55.56	55.41	55.29	55.11	54.98	54.83	54.68	54.56	54.46	54.40	2.4%
Compact Cars	31.12	33.18	34.06	34.25	34.95	38.00	42.06	47.16	53.82	53.59	53.41	53.29	53.12	52.99	52.94	52.79	52.67	52.53	52.40	52.29	52.27	52.27	2.5%
Midsize Cars	27.17	28.93	29.55	29.75	30.19	32.88	36.41	40.84	46.62	46.45	46.37	46.35	46.24	46.18	46.21	46.12	46.08	46.03	45.98	45.95	45.92	45.91	2.5%
Large Cars	24.61	25.60	26.49	26.65	27.34	29.74	32.92	36.95	42.12	41.90	41.71	41.56	41.39	41.28	41.21	41.10	41.05	41.02	41.03	41.00	41.01	41.03	2.5%
Two Seater Cars	27.34	29.81	30.27	30.44	31.31	34.06	37.69	42.31	48.29	48.16	48.06	48.00	47.87	47.77	47.73	47.64	47.60	47.55	47.50	47.47	47.45	47.43	2.7%
Small Pickup	28.00	26.99	28.16	28.19	28.39	30.82	34.06	38.12	43.31	42.92	42.53	42.15	41.88	41.63	41.38	41.14	40.91	40.68	40.49	40.35	40.21	40.11	1.7%
Large Pickup	19.06	20.42	21.38	21.42	21.76	23.63	26.12	29.18	33.12	32.83	32.54	32.24	32.01	31.78	31.64	31.49	31.35	31.23	31.12	31.00	30.91	30.84	2.3%
Small Van	23.23	23.67	24.76	24.79	25.04	27.21	30.07	33.66	38.24	37.90	37.56	37.20	36.96	36.74	36.48	36.26	36.04	35.82	35.65	35.52	35.39	35.28	2.0%
Large Van	18.16	19.66	20.62	20.74	21.21	23.11	25.56	28.67	32.68	32.51	32.36	32.11	31.88	31.66	31.51	31.35	31.21	31.08	30.96	30.85	30.76	30.71	2.5%
Small Utility	23.36	24.54	25.46	25.50	26.22	28.47	31.45	35.14	39.95	39.59	39.24	38.92	38.68	38.45	38.21	38.03	37.87	37.72	37.60	37.49	37.39	37.31	2.3%
Large Utility	17.99	18.49	19.41	19.50	19.92	21.70	23.99	26.87	30.63	30.46	30.32	30.15	29.95	29.78	29.67	29.52	29.38	29.26	29.15	29.05	28.98	28.93	2.3%
Diesel-Electric Hybrid																							
Mini-compact Cars	37.83	37.12	36.97	37.06	38.01	37.57	37.48	37.46	37.47	37.53	37.59	37.69	37.65	37.62	37.66	37.61	37.63	37.62	37.64	37.69	37.75	37.81	0.0%
Subcompact Cars	50.48	50.05	50.50	50.53	51.26	50.65	50.30	50.08	49.94	49.78	49.70	49.68	49.43	49.25	49.09	48.85	48.65	48.50	48.40	48.32	48.27	48.25	-0.2%
Compact Cars	47.50	47.82	48.35	48.42	49.09	48.49	48.09	47.82	47.65	47.44	47.32	47.27	46.98	46.75	46.57	46.30	46.07	45.89	45.77	45.66	45.58	45.52	-0.2%
Midsize Cars	42.79	42.87	43.15	43.18	43.90	43.36	43.10	42.95	42.87	42.77	42.72	42.72	42.54	42.41	42.34	42.17	42.05	41.95	41.90	41.84	41.82	41.80	-0.1%
Large Cars	40.01	40.15	40.80	40.86	41.31	40.75	40.44	40.24	40.12	40.00	39.96	39.97	39.75	39.59	39.46	39.25	39.07	38.94	38.87	38.80	38.77	38.76	-0.2%
Two Seater Cars	40.22	41.32	41.44	41.53	42.31	41.79	41.65	41.57	41.56	41.58	41.64	41.74	41.65	41.59	41.60	41.51	41.47	41.44	41.44	41.47	41.51	41.57	0.2%
Small Pickup	39.92	40.03	40.95	40.87	41.08	40.50	40.22	39.98	39.51	39.62	39.51	39.45	39.25	39.10	38.99	38.83	38.69	38.58	38.50	38.43	38.37	38.30	-0.2%
Large Pickup	29.70	29.77	30.48	30.43	30.58	30.16	29.95	29.79	29.71	29.61	29.58	29.60	29.47	29.38	29.34	29.23	29.14	29.07	29.03	28.98	28.92	28.87	-0.1%
Small Van	39.68	39.77	40.74	40.67	40.74	40.15	39.87	39.64	39.47	39.29	39.17	39.12	38.93	38.78	38.67	38.50	38.37	38.26	38.19	38.12	38.06	38.03	-0.2%
Large Van	28.79	28.96	29.70	29.77	30.45	30.06	29.85	29.70	29.70	29.69	29.78	29.88	29.75	29.66	29.64	29.52	29.43	29.36	29.32	29.28	29.23	29.21	0.1%
Small Utility	33.62	33.85	34.49	34.47	35.23	34.75	34.51	34.32	34.19	34.06	33.99	33.99	33.83	33.71	33.65	33.53	33.43	33.34	33.28	33.23	33.20	33.18	-0.1%
Large Utility	27.17	26.93	27.59	27.64	28.12	27.78	27.59	27.47	27.48	27.47	27.56	27.65	27.54	27.46	27.45	27.35	27.28	27.23	27.18	27.14	27.11	27.10	0.0%

**Table 56. New Light-Duty Vehicle Fuel Economy (4 of 4)
(Miles per Gallon)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Gasoline-Electric Hybrid																							
Mini-compact Cars	34.26	33.65	33.52	33.64	34.61	34.21	34.14	34.12	34.13	34.20	34.28	34.38	34.33	34.31	34.36	34.31	34.34	34.33	34.35	34.39	34.43	34.49	0.0%
Subcompact Cars	45.72	45.35	45.77	45.80	46.59	46.05	45.74	45.54	45.42	45.30	45.25	45.27	45.05	44.89	44.77	44.56	44.39	44.26	44.18	44.12	44.09	44.08	-0.2%
Compact Cars	43.03	43.35	43.83	43.92	44.59	44.06	43.71	43.47	43.33	43.16	43.08	43.06	42.81	42.61	42.47	42.24	42.04	41.89	41.78	41.69	41.62	41.58	-0.2%
Midsize Cars	38.77	38.86	39.11	39.17	39.92	39.43	39.21	39.07	39.01	38.93	38.91	38.94	38.78	38.67	38.62	38.47	38.37	38.27	38.21	38.16	38.14	38.13	-0.1%
Large Cars	36.26	36.39	36.98	37.05	37.49	36.99	36.71	36.53	36.45	36.35	36.35	36.38	36.19	36.05	35.95	35.78	35.62	35.52	35.47	35.42	35.40	35.37	-0.1%
Two Seater Cars	36.43	37.45	37.57	37.66	38.48	38.02	37.89	37.82	37.82	37.86	37.93	38.04	37.95	37.91	37.92	37.85	37.83	37.80	37.81	37.83	37.86	37.91	0.2%
Small Pickup	36.18	36.28	37.12	37.06	37.26	36.75	36.50	36.29	36.14	35.99	35.90	35.88	35.71	35.57	35.50	35.36	35.26	35.17	35.10	35.03	34.97	34.93	-0.2%
Large Pickup	26.92	26.99	27.64	27.59	27.74	27.37	27.19	27.06	27.00	26.92	26.91	26.94	26.83	26.76	26.72	26.63	26.56	26.51	26.45	26.40	26.36	26.32	-0.1%
Small Van	35.95	36.04	36.93	36.86	36.94	36.42	36.17	35.96	35.82	35.67	35.58	35.56	35.39	35.27	35.19	35.05	34.94	34.86	34.79	34.72	34.68	34.67	-0.2%
Large Van	26.11	26.27	26.96	27.04	27.66	27.34	27.15	27.04	27.07	27.07	27.18	27.29	27.18	27.11	27.09	26.99	26.92	26.87	26.82	26.77	26.74	26.73	0.1%
Small Utility	30.47	30.69	31.28	31.27	32.02	31.60	31.39	31.23	31.12	31.02	30.98	31.00	30.86	30.76	30.73	30.62	30.53	30.45	30.41	30.37	30.34	30.32	0.0%
Large Utility	24.64	24.44	25.04	25.09	25.52	25.24	25.08	25.00	25.02	25.04	25.13	25.24	25.14	25.07	25.07	25.00	24.93	24.87	24.83	24.80	24.78	24.78	0.0%
Fuel Cell Methanol																							
Mini-compact Cars	46.01	46.72	46.35	46.09	46.32	45.72	45.42	45.19	45.00	44.94	44.92	44.92	44.83	44.76	44.75	44.65	44.62	44.55	44.46	44.44	44.39	44.35	-0.2%
Subcompact Cars	58.85	58.61	59.41	59.03	59.22	58.37	57.95	57.60	57.27	57.02	56.81	56.68	56.51	56.35	56.23	56.05	55.92	55.77	55.61	55.49	55.39	55.32	-0.3%
Compact Cars	54.88	56.04	56.88	56.57	56.41	55.67	55.34	55.00	54.74	54.50	54.33	54.20	54.02	53.90	53.84	53.69	53.57	53.43	53.29	53.18	53.16	53.17	-0.2%
Midsize Cars	47.92	48.87	49.35	49.13	48.74	48.17	47.91	47.64	47.42	47.25	47.16	47.14	47.03	46.97	47.00	46.91	46.87	46.81	46.76	46.73	46.70	46.69	-0.1%
Large Cars	43.41	43.23	44.25	44.01	44.14	43.57	43.31	43.10	42.84	42.62	42.42	42.27	42.10	41.98	41.91	41.81	41.75	41.72	41.73	41.70	41.71	41.73	-0.2%
Two Seater Cars	48.22	50.34	50.55	50.28	50.55	49.89	49.59	49.34	49.11	48.98	48.88	48.82	48.68	48.59	48.55	48.45	48.42	48.37	48.31	48.28	48.26	48.24	0.0%
Small Pickup	49.37	45.58	47.04	46.56	45.84	45.16	44.82	44.46	44.05	43.65	43.26	42.87	42.59	42.35	42.09	41.84	41.60	41.37	41.18	41.04	40.90	40.79	-0.9%
Large Pickup	33.61	34.49	35.71	35.38	35.12	34.61	34.37	34.03	33.68	33.39	33.10	32.79	32.56	32.32	32.18	32.03	31.89	31.77	31.65	31.53	31.44	31.37	-0.3%
Small Van	40.96	39.98	41.35	40.94	40.42	39.86	39.57	39.26	38.90	38.55	38.20	37.84	37.59	37.37	37.11	36.88	36.65	36.43	36.26	36.12	35.99	35.88	-0.6%
Large Van	32.02	33.21	34.45	34.25	34.23	33.85	33.64	33.44	33.24	33.07	32.91	32.66	32.43	32.21	32.05	31.89	31.74	31.61	31.49	31.38	31.29	31.24	-0.1%
Small Utility	41.19	41.45	42.53	42.12	42.32	41.71	41.38	40.99	40.63	40.26	39.91	39.59	39.34	39.11	38.86	38.68	38.51	38.36	38.24	38.13	38.02	37.95	-0.4%
Large Utility	31.73	31.23	32.42	32.21	32.16	31.79	31.56	31.34	31.15	30.98	30.84	30.67	30.46	30.29	30.18	30.02	29.88	29.76	29.65	29.55	29.47	29.42	-0.4%
Fuel Cell Hydrogen																							
Mini-compact Cars	50.44	51.23	50.83	50.54	50.79	50.13	49.80	49.55	49.34	49.28	49.25	49.26	49.16	49.08	49.07	48.96	48.92	48.85	48.75	48.73	48.68	48.63	-0.2%
Subcompact Cars	64.52	64.26	65.14	64.72	64.94	64.01	63.54	63.16	62.80	62.52	62.29	62.15	61.96	61.79	61.66	61.46	61.31	61.15	60.98	60.84	60.74	60.66	-0.3%
Compact Cars	60.18	61.44	62.37	62.03	61.86	61.05	60.68	60.31	60.02	59.76	59.57	59.43	59.24	59.10	59.04	58.87	58.74	58.58	58.43	58.31	58.29	58.30	-0.2%
Midsize Cars	52.54	53.58	54.11	53.87	53.44	52.82	52.53	52.24	51.99	51.81	51.72	51.68	51.57	51.50	51.53	51.43	51.39	51.33	51.28	51.24	51.21	51.20	-0.1%
Large Cars	47.59	47.41	48.52	48.25	48.40	47.77	47.49	47.25	46.97	46.73	46.51	46.35	46.16	46.04	45.96	45.84	45.78	45.75	45.76	45.72	45.73	45.76	-0.2%
Two Seater Cars	52.88	55.20	55.43	55.13	55.42	54.71	54.38	54.11	53.85	53.71	53.60	53.53	53.38	53.28	53.23	53.13	53.09	53.03	52.97	52.94	52.91	52.90	0.0%
Small Pickup	54.14	49.98	51.57	51.05	50.26	49.51	49.14	48.75	48.30	47.86	47.43	47.01	46.70	46.43	46.15	45.88	45.62	45.37	45.15	44.99	44.84	44.73	-0.9%
Large Pickup	36.85	37.82	39.16	38.80	38.51	37.95	37.68	37.32	36.93	36.61	36.29	35.95	35.70	35.44	35.29	35.12	34.97	34.83	34.70	34.57	34.47	34.39	-0.3%
Small Van	44.92	43.84	45.34	44.89	44.32	43.71	43.39	43.04	42.65	42.27	41.88	41.49	41.22	40.97	40.69	40.43	40.19	39.95	39.76	39.61	39.47	39.34	-0.6%
Large Van	35.11	36.42	37.77	37.55	37.54	37.12	36.88	36.66	36.45	36.26	36.08	35.81	35.55	35.31	35.14	34.96	34.80	34.66	34.53	34.40	34.31	34.25	-0.1%
Small Utility	45.16	45.45	46.63	46.19	46.40	45.73	45.37	44.94	44.55	44.15	43.76	43.41	43.13	42.88	42.61	42.41	42.23	42.06	41.93	41.81	41.69	41.61	-0.4%
Large Utility	34.79	34.25	35.55	35.32	35.26	34.86	34.61	34.37	34.15	33.97	33.81	33.62	33.40	33.21	33.09	32.92	32.76	32.63	32.51	32.40	32.31	32.26	-0.4%
Fuel Cell Gasoline																							
Mini-compact Cars	43.11	43.78	43.44	43.19	43.40	42.84	42.56	42.34	42.17	42.11	42.09	42.09	42.01	41.94	41.93	41.84	41.81	41.75	41.66	41.64	41.60	41.55	-0.2%
Subcompact Cars	55.14	54.92	55.66	55.31	55.49	54.70	54.30	53.97	53.67	53.43	53.23	53.11	52.95	52.81	52.69	52.52	52.40	52.25	52.11	51.99	51.90	51.84	-0.3%
Compact Cars	51.43	52.51	53.30	53.01	52.86	52.17	51.86	51.54	51.29	51.07	50.91	50.78	50.62	50.50	50.45	50.31	50.20	50.06	49.93	49.83	49.81	49.82	-0.2%
Midsize Cars	44.90	45.79	46.24	46.04	45.67	45.14	44.89	44.64	44.43	44.27	44.19	44.17	44.07	44.01	44.04	43.95	43.92	43.87	43.82	43.79	43.76	43.75	-0.1%
Large Cars	40.67	40.51	41.47	41.24	41.36	40.83	40.59	40.38	40.14	39.93	39.75	39.61	39.45	39.34	39.27	39.17	39.12	39.10	39.10	39.07	39.08	39.10	-0.2%
Two Seater Cars	45.19	47.17	47.37	47.11	47.36	46.75	46.47	46.24	46.02	45.90	45.80	45.74	45.62	45.53	45.49	45.40	45.37	45.32	45.26	45.24	45.22	45.20	0.0%
Small Pickup	46.27	42.71	44.07	43.62	42.95	42.31	41.99	41.66	41.28	40.90	40.54	40.17	39.91	39.68	39.44	39.20	38.98	38.77	38.59	38.45	38.32	38.22	-0.9%
Large Pickup	31.49	32.32	33.46	33.16	32.91	32.43	32.20	31.89	31.56	31.28	31.01	30.72	30.51	30.29	30.16	30.01	29.88	29.77	29.65	29.55	29.46	29.39	-0.3%
Small Van	38.38	37.47	38.74	38.36	37.88	37.35	37.08	36.78	36.45	36.12	35.79	35.46	35.23	35.01	34.77	34.55	34.34	34.14	33.96	33.85	33.73	33.62	-0.6%
Large Van	30.00	31.12	32.28	32.09	32.08	31.72	31.52	31.33	31.15	30.98	30.84	30.60	30.38	30.18	30.03	29.88	29.74	29.62	29.51	29.40	29.32	29.27	-0.1%
Small Utility	38.60	38.84	39.85	39.47	39.65	39.08	38.77	38.41	38.08	37.73	37.40	37.09	36.86	36.64	36.42	36.24	36.09	35.95	35.84	35.73	35.63	35.56	-0.4%
Large Utility	29.73	29.27	30.38	30.18	30.14	29.79	29.57	29.37	29.19	29.03	28.90	28.73	28.55	28.38	28.28	28.13	28.00	27.89	27.78	27.69	27.62	27.57	-0.4%

Sources: 1999 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Model Year Fuel Economy Reports from Auto Manufacturers, 2000; and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 57. New Light-Duty Vehicle Prices (1 of 4)
(Thousands 1990 Dollars)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Gasoline																								
Mini-compact Cars	24.4	24.4	24.6	24.6	24.7	25.1	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.6	25.7	25.7	25.7	0.3%
Subcompact Cars	16.2	16.2	16.4	16.5	16.6	17.0	17.1	17.1	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.6	17.6	17.7	17.7	17.7	17.8	17.8	0.4%
Compact Cars	14.5	14.5	14.7	14.8	14.9	15.2	15.3	15.4	15.4	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.1	16.1	0.5%
Midsize Cars	18.8	18.8	19.0	19.0	19.1	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.9	19.9	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.2	0.3%
Large Cars	23.6	23.6	23.8	23.9	24.0	24.4	24.4	24.5	24.6	24.6	24.7	24.8	24.9	24.9	25.0	25.0	25.1	25.1	25.2	25.2	25.2	25.2	25.3	0.3%
Two Seater Cars	25.9	25.9	26.1	26.2	26.2	26.6	26.7	26.7	26.8	26.8	26.9	26.9	27.0	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.3	27.3	27.3	0.3%
Small Pickup	13.8	13.8	14.0	14.0	14.1	14.4	14.5	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.9	14.9	15.0	15.0	15.1	15.1	15.1	15.1	0.4%
Large Pickup	16.6	16.6	16.8	16.8	16.8	17.2	17.2	17.3	17.3	17.4	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.8	17.9	17.9	17.9	17.9	0.4%
Small Van	19.4	19.4	19.6	19.7	19.7	20.1	20.1	20.2	20.2	20.3	20.3	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.7	20.7	20.7	20.8	20.8	0.3%
Large Van	17.5	17.5	17.7	17.7	17.8	18.1	18.2	18.2	18.3	18.3	18.4	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	0.4%
Small Utility	20.1	20.1	20.3	20.4	20.4	20.8	20.8	20.8	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.5	21.5	21.5	0.3%
Large Utility	23.2	23.2	23.4	23.4	23.5	23.8	23.8	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	0.3%
Turbo Direct Injection Diesel																								
Mini-compact Cars	26.1	26.1	26.3	26.3	26.4	26.8	26.8	26.8	26.9	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.3	0.2%
Subcompact Cars	17.3	17.3	17.5	17.6	17.7	18.0	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	0.4%
Compact Cars	15.4	15.4	15.6	15.7	15.7	16.1	16.1	16.2	16.2	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.8	16.8	16.8	16.8	0.4%
Midsize Cars	20.0	20.0	20.2	20.3	20.3	20.7	20.7	20.8	20.8	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.3	0.3%
Large Cars	25.3	25.3	25.5	25.6	25.7	26.0	26.1	26.2	26.2	26.3	26.4	26.5	26.5	26.6	26.6	26.6	26.7	26.8	26.8	26.8	26.9	26.9	26.9	0.3%
Two Seater Cars	27.8	27.8	28.0	28.1	28.2	28.5	28.6	28.6	28.6	28.7	28.7	28.8	28.8	28.9	28.9	28.9	29.0	29.0	29.1	29.1	29.1	29.1	29.1	0.2%
Small Pickup	15.1	15.1	15.3	15.3	15.4	15.7	15.8	15.8	15.8	15.9	15.9	16.0	16.0	16.0	16.1	16.1	16.1	16.2	16.2	16.2	16.3	16.3	16.3	0.4%
Large Pickup	18.4	18.3	18.5	18.5	18.6	18.9	19.0	19.0	19.0	19.1	19.2	19.2	19.3	19.4	19.4	19.4	19.5	19.6	19.6	19.6	19.7	19.7	19.7	0.3%
Small Van	20.6	20.6	20.8	20.9	20.9	21.3	21.3	21.3	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.9	0.3%
Large Van	19.8	19.7	19.9	20.0	20.1	20.4	20.5	20.5	20.6	20.7	20.7	20.8	20.8	20.9	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.2	21.2	0.3%
Small Utility	21.3	21.3	21.5	21.5	21.6	21.9	22.0	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.6	0.3%
Large Utility	24.7	24.7	24.9	25.0	25.0	25.3	25.4	25.4	25.5	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.9	25.9	26.0	26.0	26.0	26.0	26.0	0.2%
Methanol																								
Mini-compact Cars	26.6	26.6	26.8	26.9	27.0	27.3	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.8	27.8	27.8	27.8	27.9	27.9	27.9	0.2%
Subcompact Cars	17.8	17.8	18.1	18.1	18.2	18.6	18.7	18.7	18.8	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.4	0.4%
Compact Cars	16.2	16.2	16.4	16.5	16.5	16.9	16.9	17.0	17.0	17.1	17.2	17.2	17.3	17.4	17.4	17.5	17.5	17.6	17.6	17.7	17.7	17.7	17.7	0.4%
Midsize Cars	20.6	20.6	20.8	20.8	20.9	21.3	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.8	21.8	21.8	21.9	21.9	21.9	21.9	22.0	0.3%
Large Cars	25.8	25.8	26.0	26.1	26.2	26.5	26.6	26.7	26.7	26.8	26.9	27.0	27.0	27.1	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5	0.3%
Two Seater Cars	28.4	28.4	28.6	28.7	28.7	29.1	29.1	29.2	29.2	29.3	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.8	29.8	29.8	29.8	0.2%
Small Pickup	15.5	15.5	15.7	15.7	15.8	16.1	16.1	16.2	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.7	16.8	16.8	16.8	0.4%
Large Pickup	18.4	18.4	18.6	18.6	18.7	19.0	19.1	19.1	19.2	19.2	19.3	19.3	19.4	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.7	19.8	0.3%
Small Van	21.1	21.1	21.3	21.4	21.4	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.5	0.3%
Large Van	19.3	19.3	19.5	19.5	19.6	19.9	20.0	20.0	20.1	20.2	20.2	20.3	20.3	20.4	20.4	20.5	20.5	20.6	20.6	20.7	20.7	20.7	20.7	0.3%
Small Utility	21.8	21.8	22.0	22.0	22.1	22.4	22.5	22.5	22.6	22.6	22.7	22.8	22.8	22.9	22.9	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.2	0.3%
Large Utility	25.0	25.0	25.2	25.2	25.3	25.6	25.6	25.7	25.8	25.8	25.9	25.9	26.0	26.0	26.1	26.1	26.2	26.2	26.3	26.3	26.3	26.3	26.3	0.3%
Methanol Flex																								
Mini-compact Cars	26.7	26.7	26.9	27.0	27.1	27.4	27.5	27.5	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.0	28.0	28.0	0.2%
Subcompact Cars	17.9	17.9	18.2	18.2	18.3	18.7	18.8	18.8	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.3	19.3	19.4	19.4	19.4	19.5	19.5	19.5	0.4%
Compact Cars	16.3	16.3	16.5	16.6	16.6	17.0	17.0	17.1	17.1	17.2	17.3	17.3	17.4	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.8	17.8	0.4%
Midsize Cars	20.7	20.7	20.9	21.0	21.1	21.4	21.4	21.5	21.6	21.6	21.7	21.7	21.8	21.8	21.9	21.9	21.9	22.0	22.0	22.1	22.1	22.1	22.1	0.3%
Large Cars	25.9	25.9	26.1	26.2	26.3	26.7	26.8	26.8	26.9	27.0	27.0	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.6	0.3%
Two Seater Cars	28.5	28.5	28.7	28.8	28.9	29.2	29.3	29.3	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.9	29.9	29.9	30.0	30.0	0.2%
Small Pickup	15.6	15.6	15.8	15.9	15.9	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.8	16.9	16.9	16.9	16.9	0.4%
Large Pickup	18.6	18.6	18.8	18.8	18.8	19.2	19.2	19.3	19.4	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.9	19.9	19.9	19.9	19.9	0.3%
Small Van	21.2	21.3	21.5	21.5	21.6	21.9	21.9	22.0	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.6	0.3%
Large Van	19.5	19.5	19.7	19.7	19.8	20.1	20.2	20.2	20.3	20.3	20.4	20.5	20.5	20.6	20.6	20.7	20.7	20.8	20.8	20.8	20.8	20.9	20.9	0.3%
Small Utility	21.9	21.9	22.1	22.2	22.3	22.6	22.6	22.7	22.7	22.8	22.8	22.9	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.3	23.3	0.3%
Large Utility	25.2	25.2	25.3	25.4	25.4	25.8	25.8	25.9	26.0	26.0	26.1	26.1	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.5	26.5	0.3%

Table 57. New Light-Duty Vehicle Prices (3 of 4)
(Thousands 1990 Dollars)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Liquefied Petroleum Gas (LPG)																								
Mini-compact Cars	29.6	29.6	29.8	29.8	29.9	30.3	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.9	30.9	0.2%	
Subcompact Cars	20.0	20.0	20.2	20.3	20.4	20.8	20.9	20.9	21.0	21.0	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.5	21.5	21.5	21.6	21.6	0.4%	
Compact Cars	18.4	18.4	18.6	18.7	18.7	19.1	19.1	19.2	19.2	19.3	19.4	19.4	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.9	19.9	19.9	0.4%	
Midsize Cars	23.5	23.5	23.7	23.8	23.8	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.9	24.9	24.9	0.3%	
Large Cars	29.1	29.1	29.3	29.4	29.5	29.8	29.9	30.0	30.0	30.1	30.2	30.3	30.3	30.4	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.8	0.3%	
Two Seater Cars	31.7	31.7	31.9	32.0	32.1	32.4	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0	33.1	33.1	33.1	33.2	33.2	0.2%	
Small Pickup	18.3	18.4	18.5	18.6	18.6	19.0	19.0	19.1	19.1	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.5	19.5	19.6	19.6	19.6	19.7	0.3%	
Large Pickup	22.0	22.0	22.2	22.3	22.3	22.6	22.7	22.7	22.8	22.9	22.9	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.3	23.4	0.3%	
Small Van	24.0	24.0	24.2	24.3	24.3	24.6	24.7	24.7	24.8	24.8	24.9	24.9	25.0	25.0	25.0	25.1	25.1	25.2	25.2	25.3	25.3	25.3	0.3%	
Large Van	22.9	22.9	23.1	23.2	23.2	23.5	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.3	24.3	24.3	0.3%	
Small Utility	24.6	24.7	24.8	24.9	25.0	25.3	25.4	25.4	25.5	25.5	25.6	25.6	25.7	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.8	25.7	0.2%	
Large Utility	28.5	28.5	28.7	28.7	28.8	29.1	29.2	29.2	29.3	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.8	29.9	0.2%	
LPG Bi-Fuel																								
Mini-compact Cars	29.4	29.4	29.6	29.7	29.8	30.1	30.2	30.2	30.2	30.3	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.7	30.7	30.7	30.7	0.2%	
Subcompact Cars	19.9	19.9	20.1	20.2	20.3	20.6	20.7	20.8	20.8	20.9	21.0	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.5	0.4%	
Compact Cars	18.3	18.2	18.5	18.5	18.6	18.9	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.8	0.4%	
Midsize Cars	22.7	22.7	22.9	23.0	23.1	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.1	24.1	24.1	24.1	0.3%	
Large Cars	28.5	28.4	28.7	28.8	28.9	29.2	29.3	29.3	29.4	29.5	29.6	29.6	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.1	30.1	30.1	0.3%	
Two Seater Cars	31.5	31.5	31.7	31.8	31.9	32.3	32.3	32.4	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	32.9	33.0	33.0	0.2%	
Small Pickup	17.5	17.5	17.7	17.8	17.8	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.8	18.8	0.3%	
Large Pickup	20.5	20.5	20.6	20.7	20.7	21.0	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.7	21.8	21.8	0.3%	
Small Van	23.1	23.2	23.4	23.4	23.5	23.8	23.8	23.9	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5	0.3%	
Large Van	21.3	21.3	21.5	21.6	21.6	22.0	22.0	22.1	22.1	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.7	0.3%	
Small Utility	23.8	23.8	24.0	24.1	24.1	24.5	24.5	24.6	24.6	24.7	24.7	24.8	24.8	24.9	24.9	25.0	25.0	25.0	25.1	25.1	25.2	25.2	0.3%	
Large Utility	27.0	27.0	27.2	27.3	27.3	27.6	27.7	27.8	27.8	27.9	27.9	28.0	28.0	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.4	28.4	0.2%	
Electric																								
Mini-compact Cars	45.6	46.7	46.9	47.1	45.5	46.0	46.5	46.9	47.3	47.0	46.8	46.5	46.3	46.0	45.8	45.6	45.3	45.4	45.4	45.4	45.4	45.4	0.0%	
Subcompact Cars	33.3	34.1	34.2	34.3	32.9	33.4	33.8	34.2	34.5	34.3	34.1	33.9	33.7	33.5	33.3	33.1	32.9	32.9	32.9	32.9	32.9	32.9	0.0%	
Compact Cars	31.7	32.7	32.8	32.9	31.5	32.0	32.4	32.8	33.1	32.9	32.7	32.5	32.3	32.1	31.8	31.6	31.5	31.5	31.5	31.5	31.5	31.5	0.0%	
Midsize Cars	37.2	38.4	38.5	38.7	26.3	26.8	27.3	27.8	28.2	27.9	27.6	27.4	27.1	26.9	26.6	26.4	26.2	26.2	26.2	26.2	26.2	26.2	-1.7%	
Large Cars	45.7	47.1	47.0	47.3	45.1	45.8	46.3	46.8	47.4	47.1	46.8	46.5	46.1	45.7	45.3	44.9	44.5	44.4	44.3	44.2	44.2	44.0	-0.2%	
Two Seater Cars	49.3	50.5	50.7	50.9	49.1	49.7	50.2	50.6	51.0	50.7	50.5	50.2	50.0	49.7	49.5	49.3	49.0	49.1	49.1	49.1	49.1	49.1	0.0%	
Small Pickup	31.9	33.4	33.3	33.5	31.9	32.5	33.0	33.5	34.0	33.8	33.6	33.4	33.2	32.9	32.7	32.5	32.3	32.3	32.3	32.4	32.4	32.4	0.1%	
Large Pickup	37.7	39.0	38.9	39.2	37.0	37.8	38.5	39.2	39.8	39.5	39.3	39.0	38.7	38.4	38.1	37.8	37.6	37.6	37.6	37.7	37.7	37.7	0.0%	
Small Van	38.7	40.1	40.0	40.2	38.4	39.1	39.7	40.2	40.8	40.6	40.3	40.1	39.8	39.6	39.3	39.1	38.8	38.9	38.9	39.0	39.0	39.0	0.0%	
Large Van	38.9	40.4	40.2	40.5	38.2	39.0	39.6	40.3	40.9	40.5	40.2	39.9	39.6	39.4	39.1	38.8	38.5	38.5	38.6	38.6	38.6	38.7	0.0%	
Small Utility	39.2	40.6	40.5	40.7	30.1	30.7	31.3	31.9	32.5	32.3	32.2	32.0	31.7	31.4	31.2	30.8	30.5	30.6	30.6	30.7	30.8	30.8	-1.1%	
Large Utility	44.7	46.6	46.3	46.6	43.0	43.8	44.5	45.2	45.9	45.5	45.1	44.7	44.3	43.9	43.4	43.0	42.5	42.6	42.7	42.8	42.9	43.0	-0.2%	
Diesel-Electric Hybrid																								
Mini-compact Cars	40.2	33.0	33.1	33.1	30.7	30.9	30.9	30.8	30.8	30.8	30.7	30.7	30.6	30.6	30.6	30.6	30.5	30.5	30.6	30.6	30.6	30.6	-1.3%	
Subcompact Cars	30.9	23.7	23.8	23.8	21.1	21.4	21.3	21.2	21.1	21.1	21.1	21.0	21.0	20.9	20.8	20.8	20.7	20.8	20.8	20.9	20.9	21.0	-1.8%	
Compact Cars	28.8	21.8	21.9	21.9	18.2	18.4	18.4	18.3	18.2	18.2	18.2	18.1	18.0	18.0	17.9	17.9	17.8	17.9	17.9	18.0	18.0	18.1	-2.2%	
Midsize Cars	35.6	27.4	27.5	27.5	22.1	22.3	22.3	22.2	22.2	22.2	22.1	22.1	22.0	22.0	21.9	21.8	21.8	21.8	21.8	21.9	22.0	22.0	-2.3%	
Large Cars	42.6	33.5	33.6	33.6	29.9	30.1	30.0	30.0	29.9	29.9	29.8	29.8	29.7	29.6	29.5	29.4	29.4	29.4	29.5	29.5	29.6	29.7	-1.7%	
Two Seater Cars	42.9	35.2	35.3	35.3	32.7	33.0	32.9	32.9	32.8	32.8	32.8	32.8	32.7	32.7	32.7	32.7	32.6	32.7	32.7	32.7	32.7	32.8	-1.3%	
Small Pickup	31.0	22.6	22.7	22.7	19.9	20.1	20.1	20.0	20.0	19.9	19.9	19.8	19.8	19.8	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	-2.1%	
Large Pickup	39.3	27.9	28.0	28.0	24.2	24.4	24.3	24.2	24.2	24.1	24.0	23.9	23.9	23.8	23.8	23.7	23.7	23.7	23.7	23.7	23.7	23.7	-2.4%	
Small Van	38.6	29.0	29.1	29.1	24.9	25.1	24.9	24.8	24.6	24.6	24.5	24.4	24.3	24.2	24.1	24.0	24.0	24.0	24.1	24.1	24.1	24.2	-2.2%	
Large Van	40.7	29.0	29.1	29.1	25.2	25.4	25.3	25.2	25.2	25.1	25.0	24.9	24.9	24.8	24.8	24.7	24.7	24.7	24.7	24.7	24.7	24.7	-2.3%	
Small Utility	39.0	29.6	29.7	29.7	24.8	25.0	24.8	24.7	24.6	24.5	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.9	23.9	24.0	24.0	24.1	-2.3%	
Large Utility	48.5	35.6	35.7	35.7	31.4	31.5	31.4	31.1	31.0	30.9	30.8	30.6	30.5	30.3	30.2	30.0	29.9	29.9	29.9	30.0	30.0	30.1	-2.2%	

**Table 57. New Light-Duty Vehicle Prices (4 of 4)
(Thousands 1990 Dollars)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Gasoline-Electric Hybrid																							
Mini-compact Cars	37.3	31.4	31.5	31.5	29.5	29.8	29.7	29.7	29.7	29.7	29.6	29.6	29.6	29.5	29.5	29.5	29.5	29.5	29.5	29.6	29.6	29.6	-1.1%
Subcompact Cars	28.2	22.3	22.4	22.4	18.9	19.1	19.1	19.1	19.1	19.1	19.1	19.0	19.0	18.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0	19.1	-1.8%
Compact Cars	26.2	19.8	20.0	20.1	16.2	16.5	16.5	16.5	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.6	16.6	-2.2%
Midsize Cars	32.5	24.2	24.3	24.3	20.9	21.2	21.2	21.1	21.1	21.1	21.0	21.0	21.0	21.0	21.0	20.9	20.9	21.0	21.0	21.0	21.0	21.0	-2.1%
Large Cars	39.2	31.7	31.8	31.8	27.0	27.3	27.2	27.3	27.3	27.2	27.2	27.2	27.1	27.1	27.0	27.0	27.0	27.0	27.0	27.1	27.1	27.2	-1.7%
Two Seater Cars	39.7	33.4	33.5	33.5	31.4	31.7	31.7	31.7	31.6	31.6	31.6	31.6	31.6	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	-1.1%
Small Pickup	27.9	21.0	21.2	21.2	18.5	18.7	18.6	18.5	18.5	18.4	18.3	18.2	18.1	18.0	17.9	17.8	17.7	17.7	17.7	17.7	17.6	17.6	-2.2%
Large Pickup	35.3	26.0	26.1	26.1	23.0	23.1	23.0	22.9	22.7	22.6	22.5	22.4	22.2	22.1	22.0	21.8	21.7	21.7	21.6	21.6	21.6	21.6	-2.3%
Small Van	35.2	26.6	26.8	26.8	22.2	22.4	22.3	22.3	22.2	22.2	22.1	22.1	22.0	21.9	21.9	21.9	21.8	21.8	21.9	21.9	21.9	21.9	-2.2%
Large Van	36.7	27.1	27.2	27.2	24.0	24.2	24.1	24.1	24.0	24.0	23.9	23.9	23.8	23.8	23.7	23.7	23.6	23.6	23.6	23.6	23.7	23.7	-2.1%
Small Utility	35.6	26.9	27.0	27.0	22.7	23.0	22.9	22.9	22.8	22.8	22.7	22.7	22.7	22.6	22.6	22.6	22.5	22.6	22.6	22.6	22.6	22.6	-2.1%
Large Utility	44.0	33.5	33.6	33.6	28.3	28.4	28.3	28.2	28.1	28.0	28.0	27.9	27.7	27.6	27.5	27.4	27.3	27.3	27.4	27.4	27.4	27.5	-2.2%
Fuel Cell Methanol																							
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	76.0	69.2	63.3	58.1	53.6	49.8	46.5	43.7	41.3	39.2	37.5	35.9	34.6	33.5	32.6	31.7	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	61.7	55.7	50.6	46.1	42.3	38.9	36.0	33.5	31.4	29.6	28.0	26.6	25.5	24.5	23.6	22.9	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	61.2	55.1	49.8	45.2	41.2	37.8	34.8	32.3	30.1	28.2	26.6	25.2	24.0	23.0	22.1	21.3	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	72.8	65.7	59.5	54.1	49.5	45.4	42.0	39.0	36.4	34.2	32.4	30.8	29.4	28.2	27.2	26.3	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	83.5	75.6	68.9	63.0	57.9	53.5	49.8	46.5	43.6	41.2	39.1	37.3	35.7	34.4	33.2	32.3	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	79.6	72.5	66.4	61.1	56.5	52.5	49.2	46.3	43.7	41.6	39.7	38.1	36.8	35.6	34.6	33.7	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	71.6	64.1	57.6	52.0	47.2	43.0	39.3	36.2	33.4	31.0	29.0	27.2	25.7	24.3	23.2	22.2	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	91.4	81.7	73.4	66.1	59.7	54.3	49.5	45.4	41.7	38.6	35.9	33.5	31.5	29.8	28.3	27.0	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	84.5	76.0	68.7	62.4	56.9	52.2	48.0	44.4	41.3	38.6	36.3	34.3	32.5	31.0	29.7	28.6	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	93.9	83.8	75.0	67.4	60.9	55.3	50.5	46.3	42.7	39.6	36.8	34.5	32.5	30.8	29.2	27.9	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	82.9	74.8	67.7	61.6	56.3	51.7	47.7	44.2	41.2	38.6	36.3	34.4	32.7	31.3	30.0	29.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	102.5	92.0	83.0	75.1	68.3	62.4	57.4	53.1	49.2	46.0	43.2	40.8	38.7	36.9	35.3	34.0	N/A
Fuel Cell Hydrogen																							
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	66.1	61.4	57.3	53.7	50.6	47.9	45.7	43.7	42.1	40.6	39.4	38.4	37.5	36.7	36.0	35.4	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	53.6	49.5	45.9	42.8	40.2	37.8	35.8	34.1	32.6	31.4	30.3	29.3	28.5	27.8	27.2	26.7	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	52.8	48.6	44.9	41.7	38.9	36.5	34.5	32.7	31.2	29.9	28.8	27.8	27.0	26.3	25.7	25.1	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	62.1	57.2	52.9	49.2	46.0	43.2	40.8	38.7	36.9	35.4	34.1	33.0	32.0	31.2	30.5	29.9	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	71.2	65.7	61.1	57.0	53.5	50.4	47.8	45.5	43.6	41.9	40.4	39.2	38.1	37.2	36.4	35.7	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	69.1	64.3	60.0	56.4	53.2	50.4	48.1	46.1	44.3	42.8	41.5	40.4	39.5	38.7	38.0	37.4	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	59.8	54.6	50.1	46.3	42.9	40.0	37.5	35.2	33.3	31.7	30.3	29.0	28.0	27.1	26.3	25.6	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	74.5	67.7	62.0	56.9	52.5	48.7	45.4	42.5	40.0	37.8	36.0	34.3	33.0	31.8	30.7	29.8	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	70.4	64.6	59.5	55.1	51.3	48.1	45.2	42.7	40.5	38.6	37.0	35.6	34.4	33.4	32.5	31.7	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	76.4	69.4	63.4	58.1	53.6	49.7	46.4	43.5	41.0	38.8	36.9	35.3	33.9	32.7	31.7	30.8	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	69.5	63.9	59.0	54.8	51.1	48.0	45.2	42.8	40.7	38.9	37.3	36.0	34.8	33.8	32.9	32.2	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	84.2	76.9	70.6	65.2	60.4	56.4	52.9	49.9	47.3	45.0	43.1	41.4	39.9	38.7	37.6	36.7	N/A
Fuel Cell Gasoline																							
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	83.6	75.7	68.9	62.9	57.8	53.3	49.6	46.3	43.5	41.2	39.1	37.4	35.9	34.6	33.5	32.5	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	68.3	61.5	55.5	50.4	45.9	42.1	38.7	35.9	33.4	31.3	29.5	27.9	26.6	25.4	24.4	23.6	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	68.1	61.0	54.9	49.6	45.0	41.0	37.6	34.7	32.1	30.0	28.1	26.5	25.1	23.9	22.9	22.0	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	80.7	72.5	65.4	59.2	53.8	49.2	45.2	41.8	38.8	36.3	34.1	32.3	30.7	29.3	28.1	27.1	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	92.3	83.2	75.4	68.6	62.8	57.7	53.4	49.6	46.3	43.5	41.1	39.0	37.2	35.6	34.3	33.2	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	87.4	79.3	72.3	66.1	60.8	56.2	52.3	49.0	46.1	43.6	41.5	39.6	38.1	36.7	35.5	34.5	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	80.1	71.4	64.0	57.6	52.0	47.2	42.9	39.2	36.1	33.3	30.9	28.9	27.1	25.6	24.3	23.1	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	102.5	91.4	81.7	73.3	66.0	59.7	54.2	49.4	45.2	41.6	38.4	35.8	33.4	31.4	29.7	28.2	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	94.1	84.3	75.9	68.6	62.3	56.9	52.0	47.9	44.3	41.2	38.5	36.2	34.2	32.5	31.0	29.7	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	105.3	93.6	83.5	74.7	67.2	60.8	55.2	50.4	46.2	42.6	39.4	36.7	34.4	32.4	30.7	29.2	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	92.2	82.8	74.7	67.6	61.5	56.2	51.6	47.6	44.1	41.1	38.5	36.3	34.3	32.6	31.2	30.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	114.3	102.2	91.8	82.7	74.8	68.0	62.3	57.2	52.9	49.1	45.9	43.1	40.7	38.6	36.8	35.2	N/A

Sources: 1999 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 58. New Light-Duty Vehicle Range (1 of 4)
(Miles)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Gasoline																							
Mini-compact Cars	445	433	435	442	467	468	471	473	474	476	478	481	482	483	485	485	486	488	488	489	490	490	0.5%
Subcompact Cars	445	464	471	477	497	499	503	508	515	520	528	532	533	534	534	534	534	534	534	534	535	536	0.9%
Compact Cars	454	455	460	464	479	479	480	484	488	492	497	502	503	503	503	502	502	501	501	501	501	501	0.5%
Midsize Cars	460	459	464	469	486	487	489	493	497	502	505	509	509	510	510	510	510	510	511	512	512	512	0.5%
Large Cars	482	491	498	503	517	518	520	523	528	534	541	549	554	554	554	553	552	551	551	551	552	552	0.6%
Two Seater Cars	435	426	430	436	456	457	459	462	464	466	470	474	476	477	478	478	479	479	480	481	481	482	0.5%
Small Pickup	406	433	445	445	448	445	445	445	447	449	453	457	460	463	466	468	471	473	476	480	483	483	0.8%
Large Pickup	418	422	432	433	436	434	435	438	441	444	448	453	457	460	463	466	469	472	475	479	484	484	0.7%
Small Van	491	510	525	525	528	524	523	524	526	528	533	539	543	547	551	554	557	561	565	570	575	576	0.8%
Large Van	462	459	472	476	484	484	486	491	496	502	509	516	520	524	528	531	534	537	541	546	552	552	0.9%
Small Utility	400	406	416	418	429	427	427	427	430	432	437	442	444	447	451	454	457	459	461	464	468	468	0.8%
Large Utility	495	497	509	512	520	519	521	526	533	539	547	555	559	564	568	572	576	579	583	588	593	594	0.9%
Turbo Direct Injection Diesel																							
Mini-compact Cars	600	584	587	597	630	632	636	638	640	642	646	650	650	652	654	655	657	658	659	660	661	662	0.5%
Subcompact Cars	601	626	636	645	671	674	680	685	695	702	712	719	719	720	721	721	721	721	721	721	722	723	0.9%
Compact Cars	613	614	622	626	647	647	648	654	658	664	671	678	680	679	680	678	677	676	677	677	676	677	0.5%
Midsize Cars	622	619	626	633	656	658	660	665	671	677	682	687	687	688	689	688	688	689	690	691	691	692	0.5%
Large Cars	651	662	673	679	698	700	703	706	713	721	731	741	747	748	748	747	745	744	744	744	745	746	0.6%
Two Seater Cars	588	575	581	588	616	617	620	623	626	630	635	640	643	644	646	646	646	647	648	649	650	651	0.5%
Small Pickup	549	585	600	601	604	601	601	601	603	606	611	618	621	625	629	632	635	639	643	647	652	653	0.8%
Large Pickup	565	569	583	584	589	586	587	591	595	600	605	612	616	621	625	629	633	637	641	647	653	653	0.7%
Small Van	663	688	709	708	713	707	707	707	710	713	720	728	733	739	744	747	752	757	763	769	777	777	0.8%
Large Van	623	620	637	642	654	653	655	662	670	678	687	697	701	707	712	716	721	725	731	737	745	745	0.9%
Small Utility	540	549	561	564	579	576	576	577	580	584	589	596	600	604	609	613	617	619	622	626	631	632	0.8%
Large Utility	668	671	688	691	702	700	703	710	719	728	738	750	755	762	767	772	778	782	788	794	801	802	0.9%
Methanol																							
Mini-compact Cars	280	273	274	279	294	295	297	298	299	300	301	303	304	304	305	306	306	307	308	308	309	309	0.5%
Subcompact Cars	281	292	297	301	313	315	317	320	324	328	332	335	336	336	337	336	336	336	336	337	337	337	0.9%
Compact Cars	286	287	290	292	302	302	302	305	307	310	313	317	317	317	317	316	316	316	316	316	316	316	0.5%
Midsize Cars	290	289	292	296	306	307	308	310	313	316	318	321	321	321	322	321	322	322	322	322	322	323	0.5%
Large Cars	304	309	314	317	326	327	328	330	333	336	341	346	349	349	349	348	348	347	347	347	347	348	0.6%
Two Seater Cars	274	269	271	275	287	288	289	291	292	294	296	299	300	300	301	301	302	302	302	303	303	304	0.5%
Small Pickup	256	273	280	280	282	280	280	280	281	283	285	288	290	292	294	295	297	298	300	302	304	305	0.8%
Large Pickup	263	266	272	273	275	273	274	276	278	280	282	286	288	290	292	293	295	297	299	302	305	305	0.7%
Small Van	309	321	331	331	333	330	330	330	331	333	336	340	342	345	347	349	351	353	356	359	363	363	0.8%
Large Van	291	289	297	300	305	305	306	309	313	316	321	325	327	330	332	334	336	338	341	344	348	348	0.9%
Small Utility	252	256	262	263	270	269	269	269	271	272	275	278	280	282	284	286	288	289	290	292	295	295	0.8%
Large Utility	312	313	321	323	328	327	328	331	336	340	344	350	352	355	358	360	363	365	368	370	374	374	0.9%
Methanol Flex																							
Mini-compact Cars	253	247	248	252	266	267	269	270	270	271	273	274	275	275	276	277	277	278	278	279	279	280	0.5%
Subcompact Cars	254	264	269	272	283	285	287	289	293	297	301	303	304	304	305	304	304	304	304	305	305	305	0.9%
Compact Cars	259	259	262	264	273	273	273	276	278	280	283	286	287	287	287	286	286	286	286	286	286	286	0.5%
Midsize Cars	262	261	264	267	277	278	279	281	283	286	288	290	290	290	291	291	290	291	291	292	292	292	0.5%
Large Cars	275	280	284	287	295	296	297	298	301	304	308	313	316	316	316	315	315	314	314	314	314	315	0.6%
Two Seater Cars	248	243	245	248	260	260	262	263	264	266	268	270	271	272	273	273	273	274	274	274	274	275	0.5%
Small Pickup	232	247	253	254	255	254	254	254	255	256	258	261	262	264	266	267	268	270	271	273	275	276	0.8%
Large Pickup	238	240	246	247	249	247	248	250	251	253	255	258	260	262	264	265	267	269	271	273	276	276	0.7%
Small Van	280	290	299	299	301	298	298	299	300	301	304	307	310	312	314	316	317	320	322	325	328	328	0.8%
Large Van	263	262	269	271	276	276	277	280	283	286	290	294	296	299	301	302	304	306	309	311	315	315	0.9%
Small Utility	228	232	237	238	244	243	243	244	245	246	249	252	253	255	257	259	260	261	263	264	267	267	0.8%
Large Utility	282	283	290	292	296	296	297	300	304	307	312	316	319	322	324	326	328	330	333	335	338	339	0.9%

**Table 58. New Light-Duty Vehicle Range (2 of 4)
(Miles)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Ethanol																							
Mini-compact Cars	338	329	331	336	355	356	358	359	361	362	364	366	366	367	368	369	370	371	371	372	372	373	0.5%
Subcompact Cars	338	352	358	363	378	379	383	386	391	395	401	405	405	406	406	406	406	406	406	406	407	407	0.9%
Compact Cars	345	346	350	352	364	364	365	368	371	374	378	382	383	382	383	382	381	381	381	381	381	381	0.5%
Midsize Cars	350	349	353	356	369	370	372	374	378	381	384	387	387	387	388	387	387	388	388	389	389	389	0.5%
Large Cars	366	373	379	382	393	394	396	398	402	406	411	417	421	421	421	420	420	419	419	419	419	420	0.6%
Two Seater Cars	331	324	327	331	347	347	349	351	353	354	357	360	362	362	363	363	364	364	365	365	366	366	0.5%
Small Pickup	309	329	338	338	340	338	338	338	340	341	344	348	350	352	354	356	358	360	362	364	367	367	0.8%
Large Pickup	318	321	328	329	331	330	331	333	335	338	341	345	347	350	352	354	356	358	361	364	368	368	0.7%
Small Van	373	387	399	399	401	398	398	398	400	402	405	410	413	416	419	421	423	426	429	433	437	438	0.8%
Large Van	351	349	359	362	368	368	369	373	377	382	387	392	395	398	401	403	406	408	411	415	419	420	0.9%
Small Utility	304	309	316	317	326	325	324	325	326	329	332	336	338	340	343	345	347	349	350	353	355	356	0.8%
Large Utility	376	378	387	389	395	394	396	400	405	410	415	422	425	429	432	435	438	440	443	447	451	451	0.9%
Ethanol Flex																							
Mini-compact Cars	325	316	318	323	341	342	344	345	346	347	349	351	352	353	354	354	355	356	356	357	358	358	0.5%
Subcompact Cars	325	339	344	349	363	365	367	371	376	380	385	389	389	389	390	390	390	390	390	390	390	391	0.9%
Compact Cars	331	332	336	338	350	350	350	353	356	359	363	367	367	367	368	367	366	366	366	366	366	366	0.5%
Midsize Cars	336	335	339	342	355	356	357	360	363	366	369	372	372	372	373	372	372	373	373	374	374	374	0.5%
Large Cars	352	358	364	367	378	378	380	382	386	390	395	401	404	404	405	404	403	403	403	403	403	403	0.6%
Two Seater Cars	318	311	314	318	333	333	335	337	339	340	343	346	347	348	349	349	349	350	350	351	351	352	0.5%
Small Pickup	297	316	325	325	327	325	325	325	326	328	330	334	336	338	340	342	344	346	348	350	353	353	0.8%
Large Pickup	305	308	315	316	318	317	318	320	322	324	327	331	333	336	338	340	342	344	347	350	353	353	0.7%
Small Van	358	372	383	383	386	382	382	382	384	386	389	394	396	399	402	404	407	409	412	416	420	420	0.8%
Large Van	337	335	345	347	354	353	354	358	362	367	372	377	379	382	385	387	390	392	395	399	403	403	0.9%
Small Utility	292	297	303	305	313	312	311	312	314	316	319	322	324	327	329	332	334	335	337	339	341	342	0.8%
Large Utility	361	363	372	374	380	379	380	384	389	394	399	405	408	412	415	418	421	423	426	429	433	434	0.9%
Compressed Natural Gas (CNG)																							
Mini-compact Cars	267	260	261	265	280	281	283	284	285	285	287	289	289	290	291	291	292	293	293	293	294	294	0.5%
Subcompact Cars	267	278	283	286	298	300	302	305	309	312	317	319	320	320	321	320	320	320	320	321	321	321	0.9%
Compact Cars	272	273	276	278	288	287	288	290	293	295	298	301	302	302	302	301	301	301	301	301	301	301	0.5%
Midsize Cars	276	275	278	281	292	292	294	296	298	301	303	306	306	306	306	306	306	306	307	307	307	307	0.5%
Large Cars	289	294	299	302	310	311	312	314	317	320	325	329	332	332	332	332	331	331	331	331	331	331	0.6%
Two Seater Cars	261	256	258	261	274	274	276	277	278	280	282	285	286	286	287	287	287	288	288	288	289	289	0.5%
Small Pickup	244	260	267	267	269	267	267	267	268	269	272	274	276	278	280	281	282	284	286	288	290	290	0.8%
Large Pickup	251	253	259	260	262	260	261	263	265	266	269	272	274	276	278	279	281	283	285	288	290	290	0.7%
Small Van	295	306	315	315	317	314	314	314	315	317	320	323	326	328	331	332	334	337	339	342	345	346	0.8%
Large Van	277	275	283	285	291	290	291	294	298	301	305	310	312	314	317	318	320	322	325	328	331	331	0.9%
Small Utility	240	244	249	251	257	256	256	256	258	259	262	265	267	268	271	273	274	275	277	278	281	281	0.8%
Large Utility	297	298	306	307	312	311	312	316	320	324	328	333	336	338	341	343	346	348	350	353	356	356	0.9%
CNG Bi-Fuel																							
Mini-compact Cars	222	216	218	221	233	234	236	236	237	238	239	241	241	241	242	243	243	244	244	244	245	245	0.5%
Subcompact Cars	223	232	236	239	249	250	252	254	257	260	264	266	266	267	267	267	267	267	267	267	267	268	0.9%
Compact Cars	227	228	230	232	240	240	240	242	244	246	248	251	252	252	252	251	251	251	251	251	251	251	0.5%
Midsize Cars	230	229	232	235	243	244	245	246	249	251	253	255	255	255	255	255	255	255	256	256	256	256	0.5%
Large Cars	241	245	249	251	259	259	260	262	264	267	271	274	277	277	277	277	276	276	276	276	276	276	0.6%
Two Seater Cars	218	213	215	218	228	228	230	231	232	233	235	237	238	238	239	239	239	240	240	240	241	241	0.5%
Small Pickup	203	217	222	223	224	223	223	223	223	225	226	229	230	232	233	234	235	237	238	240	242	242	0.8%
Large Pickup	209	211	216	216	218	217	218	219	220	222	224	227	228	230	232	233	234	236	238	240	242	242	0.7%
Small Van	245	255	262	262	264	262	262	262	263	264	267	270	272	274	275	277	278	280	282	285	288	288	0.8%
Large Van	231	230	236	238	242	242	243	245	248	251	254	258	260	262	264	265	267	269	271	273	276	276	0.9%
Small Utility	200	203	208	209	214	213	213	214	215	216	218	221	222	224	226	227	228	229	231	232	234	234	0.8%
Large Utility	248	249	255	256	260	259	260	263	266	270	273	278	280	282	284	286	288	290	292	294	297	297	0.9%

**Table 58. New Light-Duty Vehicle Range (3 of 4)
(Miles)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Liquefied Petroleum Gas (LPG)																							
Mini-compact Cars	378	368	370	376	397	398	401	402	403	404	407	409	410	410	412	412	413	415	415	416	416	417	0.5%
Subcompact Cars	378	394	400	406	423	424	428	432	438	442	449	452	453	454	454	454	454	454	454	454	455	455	0.9%
Compact Cars	386	387	391	394	407	407	408	412	415	418	422	427	428	428	428	427	426	426	426	426	426	426	0.5%
Midsized Cars	391	390	394	399	413	414	416	419	423	427	430	433	433	433	434	433	433	434	434	435	435	435	0.5%
Large Cars	410	417	424	427	440	441	442	445	449	454	460	467	471	471	471	470	469	469	469	469	469	469	0.6%
Two Seater Cars	370	362	366	370	388	388	391	392	394	396	400	403	405	405	406	406	407	408	408	408	408	409	0.5%
Small Pickup	345	368	378	378	381	378	378	378	380	382	385	389	391	394	396	398	400	402	405	408	411	411	0.8%
Large Pickup	355	358	367	368	371	369	370	372	375	377	381	385	388	391	394	396	398	401	404	407	411	411	0.7%
Small Van	417	433	446	446	449	445	445	445	447	449	453	458	462	465	468	471	473	477	480	484	489	490	0.8%
Large Van	392	390	401	404	412	411	413	417	422	427	433	439	442	445	449	451	454	457	460	464	469	469	0.9%
Small Utility	340	345	353	355	365	363	363	363	365	368	371	375	378	380	383	386	388	390	392	394	397	398	0.8%
Large Utility	421	422	433	435	442	441	443	447	453	458	465	472	475	480	483	486	490	492	496	500	504	505	0.9%
LPG Bi-Fuel																							
Mini-compact Cars	356	346	348	354	373	375	377	378	379	381	383	385	385	386	388	388	389	390	391	391	392	392	0.5%
Subcompact Cars	356	371	377	382	398	399	403	406	412	416	422	426	426	427	427	427	427	427	427	428	428	429	0.9%
Compact Cars	363	364	368	371	383	383	384	387	390	393	397	402	403	403	403	402	401	401	401	401	401	401	0.5%
Midsized Cars	368	367	371	375	389	390	391	394	398	401	404	407	407	408	408	408	408	408	409	409	409	410	0.5%
Large Cars	386	393	399	402	414	415	416	419	423	427	433	439	443	443	443	442	442	441	441	441	441	442	0.6%
Two Seater Cars	348	341	344	349	365	365	368	369	371	373	376	379	381	381	383	383	383	384	384	384	385	386	0.5%
Small Pickup	325	347	356	356	358	356	356	356	357	359	362	366	368	370	373	375	377	379	381	384	387	387	0.8%
Large Pickup	325	337	346	346	349	347	348	350	353	355	358	363	365	368	371	372	375	377	380	384	387	387	0.7%
Small Van	393	408	420	420	423	419	419	419	421	423	427	431	434	438	441	443	446	449	452	456	460	461	0.8%
Large Van	369	367	378	381	387	387	388	392	397	402	407	413	416	419	422	424	427	430	433	437	441	442	0.9%
Small Utility	320	325	333	334	343	342	341	342	344	346	349	353	355	358	361	363	365	367	369	371	374	375	0.8%
Large Utility	396	398	408	410	416	415	417	421	426	431	437	444	447	451	455	458	461	464	467	470	475	475	0.9%
Electric																							
Mini-compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Subcompact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Midsized Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Two Seater Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Pickup	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Pickup	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Van	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Van	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Utility	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Utility	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Diesel-Electric Hybrid																							
Mini-compact Cars	578	562	566	575	607	609	613	615	617	619	622	626	626	628	630	631	632	634	635	636	637	638	0.5%
Subcompact Cars	579	603	612	621	646	649	654	660	669	676	686	692	693	694	695	694	694	694	695	695	695	696	0.9%
Compact Cars	590	592	598	603	623	623	624	629	634	639	646	653	654	654	654	653	652	651	652	652	651	652	0.5%
Midsized Cars	599	596	603	610	632	634	636	640	646	652	657	662	662	662	663	663	663	664	664	665	665	666	0.5%
Large Cars	627	638	648	654	673	674	677	680	687	694	703	714	720	720	720	719	718	717	717	717	717	718	0.6%
Two Seater Cars	566	554	559	567	593	594	597	600	603	606	611	616	619	620	622	622	622	624	625	626	627	0.5%	
Small Pickup	528	563	578	579	582	579	579	579	581	584	588	595	598	602	606	609	612	615	619	623	628	628	0.8%
Large Pickup	544	548	562	562	567	564	566	569	573	577	583	589	593	598	602	605	609	613	618	623	629	629	0.7%
Small Van	638	663	682	682	687	681	680	681	684	687	693	701	706	711	716	720	724	729	734	741	748	749	0.8%
Large Van	600	597	614	619	630	629	631	638	645	653	662	671	675	681	686	690	694	698	704	710	717	718	0.9%
Small Utility	520	528	540	543	558	555	555	555	558	562	568	574	578	582	587	591	594	596	599	603	608	609	0.8%
Large Utility	644	646	662	666	676	674	677	684	693	701	711	722	727	733	739	744	749	753	758	764	771	772	0.9%

**Table 58. New Light-Duty Vehicle Range (4 of 4)
(Miles)**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Gasoline-Electric Hybrid																							
Mini-compact Cars	556	541	544	553	583	585	589	591	593	595	598	602	602	604	606	607	608	610	610	611	612	613	0.5%
Subcompact Cars	557	580	589	597	622	624	629	635	643	650	660	665	666	667	668	668	667	667	668	668	669	670	0.9%
Compact Cars	568	569	575	579	599	599	600	605	610	614	621	628	629	629	629	628	627	626	627	627	626	627	0.5%
Midsize Cars	576	573	580	586	608	609	611	616	621	627	632	637	636	637	638	637	637	638	639	640	640	640	0.5%
Large Cars	603	613	623	628	647	648	651	654	660	667	676	686	692	692	693	691	690	689	689	689	689	690	0.6%
Two Seater Cars	544	533	538	545	570	571	574	577	580	583	588	593	595	596	598	598	598	599	600	601	602	603	0.5%
Small Pickup	508	542	556	557	560	556	556	556	558	561	566	572	575	579	583	585	588	592	595	599	604	604	0.8%
Large Pickup	523	527	540	541	545	543	544	547	551	555	560	567	571	575	579	582	586	590	594	599	605	604	0.7%
Small Van	614	637	656	656	660	655	654	655	657	661	666	674	679	684	689	692	696	701	706	712	719	720	0.8%
Large Van	577	574	590	595	605	605	607	613	621	628	636	645	649	655	660	663	667	672	677	683	690	690	0.9%
Small Utility	500	508	520	522	536	534	533	534	537	541	546	552	555	559	564	568	571	573	576	580	585	585	0.8%
Large Utility	619	621	637	640	650	648	651	658	666	674	683	694	699	705	710	715	720	724	729	735	742	742	0.9%
Fuel Cell Methanol																							
Mini-compact Cars	445	433	435	442	467	468	471	473	474	476	478	481	482	483	485	485	486	488	488	489	490	490	0.5%
Subcompact Cars	445	464	471	477	497	499	503	508	515	520	528	532	533	534	534	534	534	534	534	534	535	536	0.9%
Compact Cars	454	455	460	464	479	479	480	484	488	492	497	502	503	503	503	502	502	501	501	501	501	501	0.5%
Midsize Cars	460	459	464	469	486	487	489	493	497	502	505	509	509	510	510	510	510	510	511	512	512	512	0.5%
Large Cars	482	491	498	503	517	518	520	523	528	534	541	549	554	554	554	553	552	551	551	551	552	552	0.6%
Two Seater Cars	435	426	430	436	456	457	459	462	464	466	470	474	476	477	478	478	479	479	480	481	481	482	0.5%
Small Pickup	406	433	445	445	448	445	445	445	447	449	453	457	460	463	466	468	471	473	476	480	483	483	0.8%
Large Pickup	418	422	432	433	436	434	435	438	441	444	448	453	457	460	463	466	466	469	472	475	479	484	0.7%
Small Van	491	510	525	525	528	524	523	524	526	528	533	539	543	547	551	554	557	561	565	570	575	576	0.8%
Large Van	462	459	472	476	484	484	486	491	496	502	509	516	520	524	528	531	534	537	541	546	552	552	0.9%
Small Utility	400	406	416	418	429	427	427	427	430	432	437	442	444	447	451	454	457	459	461	464	468	468	0.8%
Large Utility	495	497	509	512	520	519	521	526	533	539	547	555	559	564	568	572	576	579	583	588	593	594	0.9%
Fuel Cell Hydrogen																							
Mini-compact Cars	445	433	435	442	467	468	471	473	474	476	478	481	482	483	485	485	486	488	488	489	490	490	0.5%
Subcompact Cars	445	464	471	477	497	499	503	508	515	520	528	532	533	534	534	534	534	534	534	534	535	536	0.9%
Compact Cars	454	455	460	464	479	479	480	484	488	492	497	502	503	503	503	502	502	501	501	501	501	501	0.5%
Midsize Cars	460	459	464	469	486	487	489	493	497	502	505	509	509	510	510	510	510	510	511	512	512	512	0.5%
Large Cars	482	491	498	503	517	518	520	523	528	534	541	549	554	554	554	553	552	551	551	551	552	552	0.6%
Two Seater Cars	435	426	430	436	456	457	459	462	464	466	470	474	476	477	478	478	479	479	480	481	481	482	0.5%
Small Pickup	406	433	445	445	448	445	445	445	447	449	453	457	460	463	466	468	471	473	476	480	483	483	0.8%
Large Pickup	418	422	432	433	436	434	435	438	441	444	448	453	457	460	463	466	466	469	472	475	479	484	0.7%
Small Van	491	510	525	525	528	524	523	524	526	528	533	539	543	547	551	554	557	561	565	570	575	576	0.8%
Large Van	462	459	472	476	484	484	486	491	496	502	509	516	520	524	528	531	534	537	541	546	552	552	0.9%
Small Utility	400	406	416	418	429	427	427	427	430	432	437	442	444	447	451	454	457	459	461	464	468	468	0.8%
Large Utility	495	497	509	512	520	519	521	526	533	539	547	555	559	564	568	572	576	579	583	588	593	594	0.9%
Fuel Cell Gasoline																							
Mini-compact Cars	445	433	435	442	467	468	471	473	474	476	478	481	482	483	485	485	486	488	488	489	490	490	0.5%
Subcompact Cars	445	464	471	477	497	499	503	508	515	520	528	532	533	534	534	534	534	534	534	534	535	536	0.9%
Compact Cars	454	455	460	464	479	479	480	484	488	492	497	502	503	503	503	502	502	501	501	501	501	501	0.5%
Midsize Cars	460	459	464	469	486	487	489	493	497	502	505	509	509	510	510	510	510	510	511	512	512	512	0.5%
Large Cars	482	491	498	503	517	518	520	523	528	534	541	549	554	554	554	553	552	551	551	551	552	552	0.6%
Two Seater Cars	435	426	430	436	456	457	459	462	464	466	470	474	476	477	478	478	479	479	480	481	481	482	0.5%
Small Pickup	406	433	445	445	448	445	445	445	447	449	453	457	460	463	466	468	471	473	476	480	483	483	0.8%
Large Pickup	418	422	432	433	436	434	435	438	441	444	448	453	457	460	463	466	466	469	472	475	479	484	0.7%
Small Van	491	510	525	525	528	524	523	524	526	528	533	539	543	547	551	554	557	561	565	570	575	576	0.8%
Large Van	462	459	472	476	484	484	486	491	496	502	509	516	520	524	528	531	534	537	541	546	552	552	0.9%
Small Utility	400	406	416	418	429	427	427	427	430	432	437	442	444	447	451	454	457	459	461	464	468	468	0.8%
Large Utility	495	497	509	512	520	519	521	526	533	539	547	555	559	564	568	572	576	579	583	588	593	594	0.9%

Sources: 1999 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A. Projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.