

Table 39. Light-Duty Vehicle Sales by Technology Type (thousands)  
Middle Atlantic - 02

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>New Car Sales 1/</b>													
<b>Conventional Vehicles</b>													
Gasoline ICE Vehicles	1038.5	1039.6	1013.3	991.1	979.3	994.0	1006.0	1004.5	978.4	942.7	903.3	866.7	834.7
TDI Diesel ICE	6.9	8.7	12.6	14.2	13.5	12.5	14.7	16.9	18.5	19.7	20.7	21.9	23.6
Total Conventional	1045.5	1048.4	1025.8	1005.3	992.8	1006.5	1020.7	1021.4	996.9	962.3	923.9	888.6	858.3
<b>Alternative-Fuel Vehicles</b>													
Methanol-Flex Fuel 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
Ethanol-Flex Fuel ICE	18.8	20.5	37.0	37.5	48.0	53.5	62.4	70.5	75.9	82.1	86.8	91.0	94.0
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
Electric Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.3	0.3	0.3	0.3
Electric-Gasoline Hybrid	24.1	28.1	38.1	36.2	42.6	45.4	55.0	63.8	70.1	76.3	82.9	88.8	97.4
Compressed Natural Gas ICE	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
Compressed Natural Gas Bi-fuel	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
Liquefied Petroleum Gases 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
Liquefied Petroleum Gases Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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
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
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.5	0.6	0.6
Total Alternatives	43.4	49.1	75.7	74.3	91.2	99.6	118.1	135.0	147.2	159.5	171.1	181.4	192.9
Percent Alternative Car Sales	3.99	4.48	6.87	6.88	8.42	9.00	10.37	11.68	12.87	14.22	15.63	16.95	18.35
Total New Car Sales	1088.9	1097.5	1101.5	1079.7	1084.1	1106.1	1138.8	1156.4	1144.1	1121.8	1095.1	1070.0	1051.2
<b>New Light Truck Sales 2/</b>													
<b>Conventional Vehicles</b>													
Gasoline ICE Vehicles	1088.8	1002.3	878.5	757.6	759.3	793.9	801.0	792.5	769.3	729.0	703.9	686.7	652.3
TDI Diesel ICE	42.1	48.5	51.3	54.6	55.8	54.5	68.1	76.8	82.7	88.6	93.5	103.1	113.6
Total Conventional	1131.0	1050.8	929.8	812.3	815.0	848.4	869.1	869.4	851.9	817.6	797.3	789.8	765.9

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<b>Alternative-Fuel Vehicles</b>													
Methanol-Flex Fuel 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
Ethanol-Flex Fuel ICE	44.8	43.3	86.7	96.6	119.3	158.6	200.2	232.5	256.2	271.5	283.8	293.7	289.0
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
Electric Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plug-in Gasoline Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric-Diesel Hybrid	0.0	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-Gasoline Hybrid	11.9	14.6	14.6	26.6	27.2	33.9	43.7	54.9	65.4	74.3	96.6	111.1	124.9
Compressed Natural Gas ICE	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Compressed Natural Gas Bi-fuel	0.6	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Liquefied Petroleum Gases ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Liquefied Petroleum Gases Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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
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
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.1	0.1	0.2	0.2	0.2
<b>Total Alternatives</b>	<b>57.6</b>	<b>59.0</b>	<b>102.3</b>	<b>124.1</b>	<b>147.5</b>	<b>193.4</b>	<b>244.8</b>	<b>288.5</b>	<b>322.5</b>	<b>346.7</b>	<b>381.4</b>	<b>405.8</b>	<b>415.0</b>
Percent Alternative L.T. Sales	4.85	5.31	9.91	13.25	15.32	18.57	21.98	24.92	27.46	29.78	32.36	33.94	35.14
Total New Truck Sales	1188.6	1109.7	1032.0	936.3	962.5	1041.8	1113.9	1157.8	1174.4	1164.3	1178.7	1195.6	1180.9
Percent Total Alternative Sales	4.44	4.90	8.34	9.84	11.66	13.64	16.11	18.30	20.26	22.14	24.30	25.92	27.23
EPACT Legislative Alternative Sales	5.19	5.30	4.94	4.51	4.47	4.57	4.67	4.71	4.70	4.63	4.58	4.50	4.43
Z EVP Legislative Alternative Sales	12.98	13.18	12.79	12.36	16.85	19.43	22.45	34.77	37.71	37.09	69.59	68.26	66.46
<b>Total Vehicles Sales</b>	<b>2277.5</b>	<b>2207.3</b>	<b>2133.6</b>	<b>2016.0</b>	<b>2046.6</b>	<b>2147.9</b>	<b>2252.8</b>	<b>2314.2</b>	<b>2318.5</b>	<b>2286.2</b>	<b>2273.8</b>	<b>2265.6</b>	<b>2232.1</b>

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2006-2030
<b>New Car Sales 1/</b>														
<b>Conventional Vehicles</b>														
Gasoline ICE Vehicles	811.2	797.3	780.2	772.5	781.1	790.2	796.8	801.9	805.2	807.0	808.5	810.2	812.7	-1.0%
TDI Diesel ICE	26.5	30.2	33.5	34.1	37.0	39.6	42.2	44.6	47.0	49.9	53.2	56.3	59.7	8.3%
Total Conventional	837.7	827.4	813.6	806.6	818.1	829.8	838.9	846.5	852.2	856.9	861.7	866.5	872.4	-0.8%
<b>Alternative-Fuel Vehicles</b>														
Methanol-Flex Fuel 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	--
Ethanol-Flex Fuel ICE	97.3	99.1	120.3	123.0	117.9	112.4	107.4	105.2	105.4	105.8	106.0	106.2	106.8	7.1%
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	--
Electric Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Plug-in Gasoline Hybrid	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	--
Electric-Diesel Hybrid	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	--
Electric-Gasoline Hybrid	108.6	120.0	127.6	129.3	131.7	134.1	136.2	138.3	140.1	141.9	143.7	145.6	147.7	7.2%
Compressed Natural Gas ICE	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	-0.1%
Compressed Natural Gas Bi-fuel	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	0.0%
Liquefied Petroleum Gases 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%
Liquefied Petroleum Gases Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5%
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	--
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	--
Fuel Cell Hydrogen	1.3	1.3	1.2	1.3	1.3	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	85.9%
Total Alternatives	208.1	221.3	250.1	254.5	251.8	248.7	245.9	245.8	247.9	250.1	252.2	254.3	257.1	7.1%
Percent Alternative Car Sales	19.89	21.10	23.51	23.99	23.53	23.06	22.67	22.50	22.53	22.59	22.64	22.69	22.76	7.0%
Total New Car Sales	1045.8	1048.7	1063.7	1061.1	1069.8	1078.5	1084.8	1092.3	1100.1	1107.0	1113.9	1120.8	1129.5	0.1%
<b>New Light Truck Sales 2/</b>														
<b>Conventional Vehicles</b>														
Gasoline ICE Vehicles	615.9	582.8	520.7	515.3	516.2	520.2	524.7	524.6	521.8	517.7	511.3	505.7	501.2	-2.8%
TDI Diesel ICE	126.8	145.4	151.3	153.1	166.9	178.5	189.7	199.3	207.2	217.5	228.6	238.0	248.6	7.0%
Total Conventional	742.7	728.3	672.0	668.4	683.0	698.7	714.4	723.9	729.0	735.3	739.9	743.7	749.8	-1.4%

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<b>Alternative-Fuel Vehicles</b>														
Methanol-Flex Fuel 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	--
Ethanol-Flex Fuel ICE	276.4	256.7	276.3	288.4	266.6	246.2	230.9	221.6	219.2	216.7	212.9	209.4	206.9	6.7%
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	--
Electric Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.6%
Plug-in Gasoline Hybrid	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	--
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	--
Electric-Gasoline Hybrid	138.6	153.8	162.5	168.1	169.5	170.8	172.7	174.2	175.2	176.4	176.9	177.5	178.6	11.0%
Compressed Natural Gas ICE	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	-1.5%
Compressed Natural Gas Bi-fuel	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	-1.6%
Liquefied Petroleum Gases 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	-2.6%
Liquefied Petroleum Gases Bi-fuel	0.0	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%
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	--
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	--
Fuel Cell Hydrogen	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	25.6%
<b>Total Alternatives</b>	<b>416.3</b>	<b>411.7</b>	<b>439.9</b>	<b>457.6</b>	<b>437.3</b>	<b>418.2</b>	<b>404.9</b>	<b>397.1</b>	<b>395.8</b>	<b>394.5</b>	<b>391.2</b>	<b>388.3</b>	<b>387.0</b>	<b>8.2%</b>
Percent Alternative L.T. Sales	35.92	36.11	39.56	40.64	39.03	37.44	36.18	35.42	35.19	34.92	34.59	34.30	34.04	8.0%
Total New Truck Sales	1159.0	1140.0	1111.9	1126.0	1120.4	1117.0	1119.3	1121.0	1124.8	1129.8	1131.1	1132.0	1136.8	0.1%
Percent Total Alternative Sales	28.32	28.92	31.71	32.56	31.46	30.38	29.53	29.05	28.93	28.82	28.66	28.53	28.42	7.6%
EPACT Legislative Alternative Sales	4.38	4.36	4.35	4.36	4.37	4.38	4.40	4.42	4.44	4.46	4.48	4.49	4.52	-0.7%
Z EVP Legislative Alternative Sales	100.57	100.09	99.70	105.08	104.59	104.01	116.17	115.82	117.23	123.49	124.82	126.13	128.36	9.9%
<b>Total Vehicles Sales</b>	<b>2204.8</b>	<b>2188.7</b>	<b>2175.6</b>	<b>2187.1</b>	<b>2190.2</b>	<b>2195.4</b>	<b>2204.2</b>	<b>2213.3</b>	<b>2224.9</b>	<b>2236.7</b>	<b>2245.0</b>	<b>2252.9</b>	<b>2266.3</b>	<b>0.1%</b>

Table 39. Light-Duty Vehicle Sales by Technology Type (thousands)  
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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.

-- = Not applicable.

Sources: 2005 and 2006 values derived using: California Air Resources Board, "California Exhaust Emission Standards and Test Procedures for 2005 and Subsequent Model Aero-Emission Vehicles, and 2001 and Subsequent Model Hybrid Electric Vehicles, in the Passenger Car, Light-Duty Truck and Medium-Duty Vehicle Classes" (El Monte, CA, December 2003); Energy Information Administration (EIA), Alternatives to Traditional Transportation Fuels 2005 (Part II - User and Fuel Data), November 2007; and EIA, AEO2008 National Energy Modeling System run aeo2008.d030208f. Projections: EIA, AEO2008 National Energy Modeling System run aeo2008.d030208f.