

Table 38. Light-Duty Vehicle Sales by Technology Type (thousands)
New England - 01

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	324.4	334.0	333.2	332.5	335.2	343.8	352.0	355.0	348.8	334.1	322.9	315.0	300.9
TDI Diesel ICE	1.9	2.4	3.6	4.1	3.6	4.0	4.8	5.5	6.1	6.4	6.8	7.3	7.8
Total Conventional	326.4	336.4	336.8	336.6	338.8	347.8	356.8	360.5	354.8	340.5	329.7	322.3	308.7
Alternative-Fuel Vehicles													
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	5.9	6.6	12.2	12.6	16.4	18.5	21.9	24.9	27.1	34.3	35.3	33.1	38.7
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
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	0.1	0.1	0.1	0.1	0.1
Electric-Gasoline Hybrid	7.6	9.0	12.5	12.1	14.2	15.7	19.3	22.5	25.0	27.2	29.8	32.3	35.3
Compressed Natural Gas 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
Compressed Natural Gas Bi-fuel	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
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	0.1	0.1	0.4	0.4	0.4
Total Alternatives	13.6	15.8	24.9	24.9	30.9	34.4	41.3	47.7	52.5	61.9	65.7	66.1	74.7
Percent Alternative Car Sales	4.00	4.48	6.88	6.89	8.35	9.01	10.39	11.69	12.90	15.38	16.61	17.02	19.48
Total New Car Sales	340.0	352.2	361.7	361.5	369.6	382.3	398.1	408.2	407.4	402.4	395.4	388.4	383.4
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	341.3	323.7	290.6	256.1	263.5	275.5	281.2	281.1	275.5	249.5	245.2	251.0	229.1
TDI Diesel ICE	11.7	13.4	14.4	15.5	13.8	17.3	22.1	25.1	27.1	27.4	29.5	34.6	36.1
Total Conventional	353.0	337.1	305.1	271.6	277.2	292.9	303.3	306.2	302.6	276.8	274.7	285.6	265.2

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	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Alternative-Fuel Vehicles														
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	0.0
Ethanol-Flex Fuel ICE	14.1	14.0	28.7	32.7	41.5	55.1	70.4	82.6	91.9	114.5	116.2	107.6	120.4	
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
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	0.0	0.0	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	0.0	0.0
Electric-Gasoline Hybrid	3.7	4.7	4.8	8.9	9.1	11.7	15.3	19.4	23.3	26.0	34.2	40.5	44.7	
Compressed Natural Gas 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
Compressed Natural Gas Bi-fuel	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
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	0.0
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
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
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Total Alternatives	18.1	19.1	33.8	41.9	51.0	67.2	86.0	102.5	115.6	140.9	150.9	148.5	165.5	
Percent Alternative L.T. Sales	4.88	5.35	9.99	13.37	15.53	18.66	22.10	25.08	27.64	33.73	35.46	34.21	38.43	
Total New Truck Sales	371.1	356.1	338.9	313.5	328.2	360.1	389.4	408.7	418.2	417.7	425.6	434.0	430.7	
Percent Total Alternative Sales	4.46	4.92	8.38	9.90	11.72	13.69	16.18	18.39	20.36	24.72	26.38	26.09	29.50	
EPACT Legislative Alternative Sales	1.62	1.70	1.62	1.51	1.53	1.58	1.63	1.66	1.67	1.66	1.65	1.63	1.62	
ZEV Legislative Alternative Sales	9.16	9.19	8.81	9.31	12.36	14.00	15.89	24.22	24.24	23.86	44.92	44.20	43.06	
Total Vehicles Sales	711.0	708.3	700.6	675.0	697.8	742.3	787.5	816.9	825.5	820.1	821.0	822.5	814.1	

Table 38. Light-Duty Vehicle Sales by Technology Type (thousands)
New England - 01

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2006-2030
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	293.1	291.3	288.5	284.0	288.3	292.3	295.1	295.5	298.1	299.2	300.2	301.4	302.4	-0.4%
TDI Diesel ICE	8.8	10.2	11.6	11.6	12.6	13.6	14.5	15.3	16.2	17.2	18.6	19.9	21.3	9.4%
Total Conventional	301.9	301.5	300.0	295.5	300.9	305.9	309.6	310.8	314.3	316.5	318.8	321.3	323.7	-0.2%
Alternative-Fuel Vehicles														
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	40.4	38.7	43.6	47.7	45.4	43.4	41.8	43.3	42.5	42.5	42.5	42.3	42.8	8.1%
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	0.7%
Plug-in Gasoline Hybrid	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	--
Electric-Diesel Hybrid	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	--
Electric-Gasoline Hybrid	39.5	44.0	47.2	47.7	48.7	49.7	50.6	51.2	52.1	52.8	53.6	54.4	55.2	7.9%
Compressed Natural Gas 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	0.5%
Compressed Natural Gas Bi-fuel	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	0.5%
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	0.7%
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	0.1%
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	--
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	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	85.6%
Total Alternatives	81.0	83.8	91.9	96.5	95.3	94.3	93.6	95.8	95.8	96.7	97.4	98.0	99.3	8.0%
Percent Alternative Car Sales	21.16	21.75	23.45	24.61	24.05	23.56	23.22	23.56	23.36	23.40	23.41	23.36	23.48	7.1%
Total New Car Sales	382.9	385.3	391.9	392.0	396.2	400.2	403.2	406.6	410.1	413.1	416.2	419.3	423.0	0.8%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	216.7	211.8	195.0	188.8	190.6	192.9	194.7	191.6	192.4	191.6	189.5	187.8	185.9	-2.3%
TDI Diesel ICE	40.6	48.5	53.0	51.4	56.6	60.8	64.8	67.1	70.7	74.4	79.2	83.8	88.0	8.2%
Total Conventional	257.3	260.3	248.0	240.2	247.2	253.7	259.5	258.7	263.1	266.0	268.7	271.6	273.8	-0.9%

Table 38. Light-Duty Vehicle Sales by Technology Type (thousands)
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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2006-2030
Alternative-Fuel Vehicles														
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	116.8	101.8	100.8	113.5	104.4	96.8	91.7	93.8	90.4	89.4	87.4	85.0	84.6	7.8%
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	--
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	-0.9%
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	0.0	--
Electric-Gasoline Hybrid	49.7	56.2	60.5	61.8	62.7	63.4	64.2	64.2	65.0	65.6	65.9	66.2	66.6	11.7%
Compressed Natural Gas 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	-0.9%
Compressed Natural Gas Bi-fuel	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	-0.9%
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	-2.4%
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	-1.2%
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	--
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	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	25.1%
Total Alternatives	167.1	158.5	161.7	175.8	167.7	160.7	156.5	158.6	156.1	155.6	154.0	151.9	151.9	9.0%
Percent Alternative L.T. Sales	39.37	37.85	39.48	42.27	40.41	38.78	37.62	38.02	37.23	36.91	36.43	35.87	35.68	8.2%
Total New Truck Sales	424.4	418.8	409.7	416.0	414.9	414.5	416.1	417.3	419.3	421.7	422.7	423.5	425.8	0.7%
Percent Total Alternative Sales	30.73	30.14	31.64	33.70	32.42	31.30	30.53	30.88	30.37	30.23	29.97	29.65	29.60	7.8%
EPACT Legislative Alternative Sales	1.60	1.60	1.60	1.61	1.62	1.63	1.64	1.64	1.65	1.67	1.67	1.68	1.69	0.0%
ZEV/P Legislative Alternative Sales	65.07	64.65	64.18	67.73	67.34	66.90	74.70	74.44	75.32	79.33	80.15	80.95	82.36	9.6%
Total Vehicles Sales	807.3	804.1	801.7	808.0	811.1	814.6	819.3	823.9	829.3	834.8	838.9	842.8	848.8	0.8%

Table 38. Light-Duty Vehicle Sales by Technology Type (thousands)
New England - 01

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.

-- = 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.