

Table 36. Light-Duty Vehicle Sales by Technology Type  
(thousands)  
New England

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>New Car Sales 1/</b>														
<b>Conventional Vehicles</b>														
Gasoline ICE Vehicles	398.5	401.4	415.1	435.6	430.5	420.2	413.1	401.1	401.0	397.6	391.8	385.7	380.9	379.0
TDI Diesel ICE	2.1	1.3	1.5	1.5	2.2	2.1	2.0	1.9	2.0	2.0	2.1	2.2	2.2	2.4
Total Conventional	400.6	402.6	416.5	437.1	432.6	422.3	415.1	403.0	402.9	399.6	393.9	387.9	383.1	381.4
<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	0.0
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
Ethanol-Flex Fuel ICE	21.0	21.2	22.3	23.0	26.2	26.4	25.9	25.5	25.6	25.3	24.9	24.3	23.9	23.8
Ethanol ICE	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	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
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.4	0.4	0.4
Electric-Gasoline Hybrid	2.6	4.9	6.5	10.9	9.7	13.4	13.6	16.1	17.9	18.9	19.6	20.4	21.8	23.0
Compressed Natural Gas 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
Compressed Natural Gas Bi-fuel	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Liquefied Petroleum Gas 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 Gas Bi-fuel	2.4	2.4	2.5	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.4	2.4
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
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	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.4
Total Alternatives	26.8	29.3	32.1	37.5	39.4	43.3	43.0	45.1	47.0	47.9	48.4	48.6	49.8	50.8
Percent Alternative Car Sales	6.26	6.79	7.16	7.90	8.34	9.31	9.38	10.06	10.45	10.70	10.94	11.13	11.51	11.76
Total New Car Sales	427.4	432.0	448.7	474.6	472.0	465.7	458.1	448.1	450.0	447.5	442.3	436.4	433.0	432.2
<b>New Light Truck Sales 2/</b>														
<b>Conventional Vehicles</b>														
Gasoline ICE Vehicles	367.8	373.0	356.3	318.3	319.8	324.3	337.0	350.2	353.8	357.7	359.7	362.3	360.5	360.5
TDI Diesel ICE	18.4	17.2	15.0	15.0	20.3	21.1	22.6	23.6	24.7	25.7	26.6	28.1	28.6	30.7
Total Conventional	386.2	390.1	371.2	333.3	340.1	345.4	359.6	373.8	378.5	383.3	386.2	390.3	389.1	391.2

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	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
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
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
Ethanol-Flex Fuel ICE	20.6	21.0	22.6	20.3	33.7	34.3	36.0	37.6	37.9	38.3	38.5	38.7	38.4	38.4
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	0.2	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
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	0.0	0.0	3.7	5.8	6.2	11.8	12.2	12.7	13.9	14.9	15.8	16.9	21.1	23.1
Compressed Natural Gas 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
Compressed Natural Gas Bi-fuel	1.6	1.6	1.6	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8
Liquefied Petroleum Gas ICE	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
Liquefied Petroleum Gas Bi-fuel	5.3	5.4	5.2	4.7	5.0	5.1	5.4	5.6	5.7	5.7	5.8	5.9	5.9	5.9
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
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	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.1	0.1
Total Alternatives	27.8	28.3	33.4	32.5	46.6	53.0	55.5	57.8	59.5	61.1	62.1	63.5	67.6	69.5
Percent Alternative Light Truck Sales	6.71	6.76	8.26	8.89	12.05	13.31	13.36	13.40	13.58	13.75	13.85	13.99	14.80	15.09
Total New Truck Sales	414.0	418.4	404.6	365.8	386.7	398.4	415.1	431.6	437.9	444.4	448.3	453.8	456.7	460.7
Percent Total Alternative Sales	6.48	6.77	7.68	8.33	10.01	11.15	11.27	11.70	11.99	12.22	12.40	12.59	13.20	13.48
EPACT Legislative Alternative Sales	13.83	13.98	13.79	13.08	13.56	13.79	14.13	14.44	14.61	14.75	14.80	14.88	14.92	15.01
ZEVP Legislative Alternative Sales	0.00	0.00	9.20	9.36	9.40	10.47	13.76	14.94	16.29	24.21	24.10	23.97	45.26	44.85
Total Vehicles Sales	841.4	850.4	853.3	840.4	858.7	864.1	873.2	879.7	887.9	891.9	890.6	890.3	889.7	892.9

Table 36. Light-Duty Vehicle Sales by Technology Type  
(thousands)  
New England

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
<b>New Car Sales 1/</b>															
<b>Conventional Vehicles</b>															
Gasoline ICE Vehicles	377.4	376.1	374.7	374.7	374.6	375.2	375.7	375.8	375.6	376.2	375.8	375.1	374.6	374.3	-0.3%
TDI Diesel ICE	2.5	2.7	2.8	3.1	3.4	3.7	3.8	4.1	4.5	4.7	4.9	5.1	5.6	5.8	6.1%
Total Conventional	379.9	378.8	377.6	377.7	378.0	378.9	379.6	379.9	380.1	380.8	380.7	380.3	380.1	380.1	-0.2%
<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	0.0	0.2%
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	N/A
Ethanol-Flex Fuel ICE	23.6	23.5	23.4	23.3	23.3	23.4	23.4	23.4	23.4	23.5	23.5	23.4	23.4	23.4	0.4%
Ethanol 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	3.9%
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	0.2%
Electric-Diesel Hybrid	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	N/A
Electric-Gasoline Hybrid	24.2	25.6	26.9	28.2	29.4	30.7	32.1	33.5	34.9	36.4	37.9	39.4	41.0	42.7	8.7%
Compressed Natural Gas 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	1.8%
Compressed Natural Gas Bi-fuel	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	0.3%
Liquefied Petroleum Gas 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	N/A
Liquefied Petroleum Gas Bi-fuel	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.2%
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	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	N/A
Fuel Cell Hydrogen	0.4	0.8	0.8	0.7	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	N/A
Total Alternatives	51.8	53.5	54.7	55.9	57.1	58.5	59.9	61.4	62.7	64.3	65.8	67.3	68.9	70.5	3.4%
Percent Alternative Car Sales	12.01	12.39	12.66	12.89	13.13	13.37	13.63	13.91	14.17	14.45	14.74	15.04	15.34	15.65	3.3%
Total New Car Sales	431.7	432.3	432.3	433.6	435.2	437.4	439.4	441.3	442.9	445.1	446.6	447.6	449.0	450.7	0.2%
<b>New Light Truck Sales 2/</b>															
<b>Conventional Vehicles</b>															
Gasoline ICE Vehicles	363.5	366.3	367.9	367.8	368.5	370.5	375.2	377.8	378.3	382.8	385.7	387.0	386.9	388.4	0.2%
TDI Diesel ICE	32.6	35.2	37.1	40.0	44.4	47.9	48.7	52.0	57.1	58.3	61.0	63.5	68.8	71.5	5.6%
Total Conventional	396.1	401.4	405.0	407.8	413.0	418.4	423.9	429.8	435.4	441.1	446.7	450.5	455.7	459.9	0.6%

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	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
<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	0.0	1.1%
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	N/A
Ethanol-Flex Fuel ICE	38.7	39.0	39.2	39.2	39.3	39.5	40.1	40.5	40.6	41.2	41.6	41.8	41.9	42.1	2.7%
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	N/A
Electric Vehicle	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	1.1%
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	0.1	N/A
Electric-Gasoline Hybrid	24.3	25.8	27.3	28.8	30.3	32.0	33.9	35.7	37.6	39.8	41.9	44.0	46.2	48.5	N/A
Compressed Natural Gas 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	12.2%
Compressed Natural Gas Bi-fuel	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	1.1%
Liquefied Petroleum Gas 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	-7.0%
Liquefied Petroleum Gas Bi-fuel	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.1	7.2	1.1%
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	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	N/A
Fuel Cell Hydrogen	0.1	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	N/A
<b>Total Alternatives</b>	<b>71.3</b>	<b>73.5</b>	<b>75.1</b>	<b>76.8</b>	<b>78.6</b>	<b>80.7</b>	<b>83.2</b>	<b>85.7</b>	<b>87.9</b>	<b>90.8</b>	<b>93.6</b>	<b>96.0</b>	<b>98.4</b>	<b>101.1</b>	<b>5.0%</b>
<b>Percent Alternative Light Truck Sales</b>	<b>15.26</b>	<b>15.47</b>	<b>15.65</b>	<b>15.86</b>	<b>16.00</b>	<b>16.16</b>	<b>16.41</b>	<b>16.63</b>	<b>16.79</b>	<b>17.07</b>	<b>17.32</b>	<b>17.57</b>	<b>17.76</b>	<b>18.02</b>	<b>3.8%</b>
<b>Total New Truck Sales</b>	<b>467.4</b>	<b>474.9</b>	<b>480.2</b>	<b>484.6</b>	<b>491.6</b>	<b>499.1</b>	<b>507.2</b>	<b>515.5</b>	<b>523.3</b>	<b>531.8</b>	<b>540.2</b>	<b>546.5</b>	<b>554.1</b>	<b>560.9</b>	<b>1.1%</b>
<b>Percent Total Alternative Sales</b>	<b>13.70</b>	<b>14.00</b>	<b>14.23</b>	<b>14.46</b>	<b>14.65</b>	<b>14.86</b>	<b>15.12</b>	<b>15.38</b>	<b>15.59</b>	<b>15.88</b>	<b>16.15</b>	<b>16.43</b>	<b>16.67</b>	<b>16.96</b>	<b>3.6%</b>
EPACT Legislative Alternative Sales	15.16	15.35	15.48	15.60	15.78	15.98	16.20	16.42	16.62	16.85	17.06	17.22	17.42	17.60	0.9%
ZEVP Legislative Alternative Sales	44.50	68.42	68.60	68.58	72.52	72.45	72.33	81.08	81.02	82.26	86.81	87.80	88.94	90.49	N/A
<b>Total Vehicles Sales</b>	<b>899.1</b>	<b>907.2</b>	<b>912.5</b>	<b>918.2</b>	<b>926.8</b>	<b>936.5</b>	<b>946.6</b>	<b>956.8</b>	<b>966.2</b>	<b>977.0</b>	<b>986.8</b>	<b>994.1</b>	<b>1003.1</b>	<b>1011.6</b>	<b>0.7%</b>

Table 36. Light-Duty Vehicle Sales by Technology Type  
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New England

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: 2003 and 2004 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 2004, <http://www.eia.doe.gov/fuelrenewable.html>; and EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.