

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

Mountain	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	467.9	452.8	450.6	447.1	458.6	468.1	468.4	471.7	470.9	468.4	470.7	471.7	476.6
TDI Diesel ICE	0.4	0.4	0.5	0.9	1.0	1.0	1.3	1.3	1.3	1.6	1.6	1.6	1.7
Total Conventional	468.3	453.2	451.1	448.1	459.7	469.1	469.7	473.0	472.3	470.0	472.3	473.4	478.3
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
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
Ethanol-Flex Fuel ICE	22.4	21.4	21.3	20.5	21.2	21.7	27.2	27.4	27.3	32.3	32.6	32.7	33.1
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.7	3.9
Electric-Gasoline Hybrid	0.8	1.2	2.4	14.1	15.2	16.3	17.3	18.2	23.2	23.1	27.9	28.0	29.0
CNG 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
CNG Bi-fuel	0.7	0.7	0.6	0.6	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7
LPG 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
LPG Bi-fuel	2.7	2.5	2.5	2.4	2.5	2.5	2.5	2.4	2.4	2.3	2.4	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
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	0.0	0.0	0.0	0.0	0.0
Total Alternatives	26.7	25.9	27.0	37.8	39.9	41.4	47.8	48.9	53.7	60.7	65.7	67.7	69.3
Percent Alternative Car Sales	5.39	5.40	5.64	7.78	7.99	8.11	9.24	9.37	10.22	11.43	12.22	12.50	12.65
Total New Car Sales	495.0	479.1	478.1	485.9	499.6	510.5	517.6	522.0	526.0	530.7	538.1	541.0	547.6
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	399.8	416.3	405.8	418.4	423.8	439.8	435.2	445.0	454.6	461.6	476.2	488.5	503.5
TDI Diesel ICE	20.0	19.3	22.4	35.5	37.4	37.3	38.0	38.9	40.2	47.5	48.0	49.1	51.5
Total Conventional	419.8	435.6	428.2	453.9	461.3	477.2	473.1	483.9	494.8	509.1	524.2	537.5	555.0
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
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
Ethanol-Flex Fuel ICE	19.5	20.4	20.2	21.8	23.8	24.7	42.6	43.6	44.5	45.2	46.8	48.2	49.8
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
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	0.0	0.0	0.0	10.2	19.8	21.2	21.3	22.3	23.4	24.4	25.8	27.1	28.7
CNG 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
CNG Bi-fuel	1.8	1.8	1.8	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.5	2.5
LPG 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
LPG Bi-fuel	5.9	6.1	6.0	6.5	6.7	7.0	7.2	7.3	7.5	7.7	8.0	8.2	8.5
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	27.3	28.5	28.2	40.7	52.6	55.2	73.4	75.7	77.9	80.0	83.3	86.2	89.8
Percent Alternative Light Truck Sales	6.10	6.14	6.18	8.23	10.23	10.37	13.44	13.53	13.60	13.58	13.71	13.82	13.93
Total New Truck Sales	447.1	464.1	456.4	494.6	513.8	532.4	546.6	559.6	572.7	589.1	607.4	623.8	644.8

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

Mountain	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Percent Total Alternative Sales	5.73	5.77	5.91	8.01	9.12	9.26	11.40	11.52	11.98	12.56	13.01	13.21	13.34
EPACT Legislative Alternative Sales	15.21	15.41	15.12	16.04	16.53	16.98	17.29	17.55	17.81	18.15	18.65	19.08	19.64
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
Total Vehicles Sales	942.1	943.2	934.4	980.5	1013.4	1042.9	1064.2	1081.6	1098.7	1119.8	1145.5	1164.8	1192.5

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

Mountain	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002-2025
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	479.0	482.3	490.3	501.1	511.5	519.8	526.8	527.9	532.3	538.9	545.7	553.0	0.9%
TDI Diesel ICE	1.7	1.8	1.9	2.0	2.0	2.1	2.3	2.3	2.5	2.6	2.8	3.1	9.6%
Total Conventional	480.8	484.1	492.2	503.0	513.6	521.9	529.1	530.2	534.8	541.5	548.5	556.1	0.9%
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	0.4%
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	N/A
Ethanol-Flex Fuel ICE	33.2	33.4	33.8	34.5	35.2	35.6	36.0	35.9	36.1	36.5	36.9	37.4	2.5%
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	5.2%
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	0.4%
Electric-Diesel Hybrid	4.8	5.0	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.9	6.1	N/A
Electric-Gasoline Hybrid	29.6	30.6	31.2	31.9	32.6	33.2	33.7	33.6	33.9	34.3	34.8	35.2	16.0%
CNG 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	0.9%
CNG Bi-fuel	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	1.2%
LPG 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	N/A
LPG Bi-fuel	2.4	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	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	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	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	N/A
Total Alternatives	71.0	72.3	73.6	75.2	76.8	77.9	78.9	78.9	79.5	80.4	81.5	82.6	5.2%
Percent Alternative Car Sales	12.87	13.00	13.01	13.01	13.00	12.99	12.98	12.95	12.94	12.92	12.94	12.93	3.9%
Total New Car Sales	551.8	556.5	565.8	578.3	590.3	599.9	608.0	609.1	614.3	621.9	630.0	638.7	1.3%
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	515.6	527.3	543.6	563.7	584.8	602.6	618.9	628.8	642.6	661.6	678.8	700.7	2.3%
TDI Diesel ICE	52.2	53.5	56.1	58.0	60.1	62.6	65.4	67.2	70.0	71.8	77.4	81.2	6.4%
Total Conventional	567.8	580.8	599.7	621.7	644.9	665.3	684.3	696.0	712.6	733.4	756.2	781.8	2.6%
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	3.0%
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	N/A
Ethanol-Flex Fuel ICE	51.2	52.4	54.2	56.6	59.2	61.3	63.3	64.4	66.1	68.5	70.8	73.5	5.7%
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	N/A
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	3.0%
Electric-Diesel Hybrid	0.0	1.7	1.8	2.7	2.8	2.9	5.1	5.2	5.4	5.5	5.9	6.1	N/A
Electric-Gasoline Hybrid	30.0	30.4	31.4	32.2	33.4	34.5	34.4	35.0	35.8	36.8	37.9	39.1	N/A
CNG 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	-0.4%
CNG Bi-fuel	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.0%
LPG 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	7.2%
LPG Bi-fuel	8.7	8.9	9.2	9.5	9.9	10.2	10.5	10.7	10.9	11.3	11.6	12.0	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	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	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	N/A
Total Alternatives	92.7	96.3	99.7	104.1	108.5	112.3	116.8	118.8	121.9	125.9	130.1	134.8	7.0%
Percent Alternative Light Truck Sales	14.04	14.23	14.25	14.35	14.40	14.44	14.58	14.58	14.61	14.66	14.68	14.71	3.9%
Total New Truck Sales	660.5	677.1	699.3	725.8	753.5	777.6	801.1	814.8	834.5	859.4	886.3	916.7	3.0%

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2002- 2025
Percent Total Alternative Sales	13.51	13.67	13.70	13.76	13.79	13.81	13.89	13.88	13.90	13.93	13.96	13.98	3.9%
EPACT Legislative Alternative Sales	20.06	20.50	21.11	21.85	22.61	23.27	23.91	24.25	24.77	25.44	26.16	26.97	2.5%
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	N/A
Total Vehicles Sales	1212.3	1233.6	1265.2	1304.1	1343.8	1377.4	1409.1	1423.9	1448.8	1481.2	1516.3	1555.4	2.2%

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

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: 2002 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, AEO2004 National Energy Modeling System run aeo2004.d101703e. Projections: EIA, AEO2004 National Energy Modeling System run aeo2004.d101703e.