

Table C2. Estimated Consumption of Vehicle Fuels in Native Units, by Fuel Type, 2004 - 2008

Fuel Type	Units	2004	2005	2006	2007	2008
Alternative Fuels						
Compressed Natural Gas (CNG)	million cubic feet	19,145	20,106	20,724	21,514	22,814
Electricity	thousand kwh	175,633	173,967	170,133	167,900	168,333
Ethanol, 85 percent (E85) ^a	thousand gallons	43,862	52,881	61,168	75,126	86,756
Hydrogen	thousand kilograms	7	23	37	60	107
Liquefied Natural Gas (LNG)	thousand gallons	31,648	33,953	35,567	37,264	38,718
Liquefied Petroleum Gas (LPG)	thousand gallons	286,328	254,285	233,959	205,892	199,708
Other Fuels ^b		na	na	na	na	na
Biodiesel	thousand gallons	26,878 ^[R]	90,827 ^[R]	260,584 ^[R]	358,156 ^[R]	315,796
Oxygenates						
Methyl Tertiary Butyl Ether (MTBE) ^c and Other Oxygenates	thousand gallons	2,309,160	2,035,320	534,912	0	0
Ethanol in Gasohol	thousand gallons	3,514,909	4,013,679	5,429,217	6,885,690	9,435,428
Traditional Fuels Used On-Highway						
Gasoline ^d	thousand gallons	138,283,000	138,723,000	140,146,000	140,646,000	134,644,492
Diesel ^d	thousand gallons	37,122,000	38,054,000	39,120,000	39,373,000	38,006,669

^aThe remaining portion of 85-percent ethanol is gasoline. Consumption data include the gasoline portion of the fuel.

^bMay include P-Series fuel or any other fuel designated by the Secretary of Energy as an alternative fuel in accordance with the Energy Policy Act of 1995.

^cOther Oxygenates are assumed to be primarily Tertiary Amyl Methyl Ether (TAME).

^dGasoline consumption includes ethanol in gasohol and MTBE. Diesel includes biodiesel. Gasoline and diesel values are rounded to the nearest million gallons.

Notes: R = Revised, na=not applicable, kwh=kilowatt hours. Totals may not equal sum of components due to independent rounding.

Sources:

Gasoline: U.S. Energy Information Administration, Petroleum Supply Annual Volume 1, Table 1, Product Supplied. Starting in 2008, the fraction of gasoline used on-highway was determined from the Federal Highway Administration's "Highway Statistics". Highway use of gasoline and total use of gasoline are found in Table MF-21. Aviation gasoline use is found in Table MF-24. The fraction is calculated as (total highway use of gasoline)/(total use of gasoline - aviation gasoline). The estimated fractions of gasoline use that were on-highway in 2008 was 0.974.

Biodiesel: U.S. Energy Information Administration, Monthly Energy Review, forthcoming May 2010 issue, Table 10.4, Consumption.

MTBE: U.S. Energy Information Administration, Petroleum Supply Annual Volume 1, Table 15, html version, Refinery and Blender Net Inputs. For years 2004 through 2006, highway use of MTBE was estimated by applying the fraction of gasoline used on-highway for the year to the MTBE quantity. Highway use of MTBE was assumed to be zero after 2006, since U.S. refineries and blenders voluntarily discontinued the use of MTBE in highway gasoline in mid-2006. Refinery and blender inputs of MTBE after 2006 were for export markets only.

All Other Oxygenates: U.S. Energy Information Administration, Petroleum Supply Annual Volume 1, Table 15, html version, Refinery and Blender Net Inputs. Fuel ethanol is not included in this category. Highway use of All Other Oxygenates estimated by applying the fraction of gasoline used on-highway for each year to the All Other Oxygenates quantity.

Ethanol: U.S. Energy Information Administration, Monthly Energy Review, February 2010 Table 10.3, Consumption. Highway use of ethanol estimated by applying the fraction of gasoline used on-highway for each year to the ethanol quantity.

Diesel: U.S. Energy Information Administration, Fuel Oil and Kerosene Sales 2008, Table 1, Sales of Distillate Fuel Oil, On-Highway