

Table 925. Energy Consumption by Mode of Transportation: 2000 to 2008

[40 represents 40,000,000,000,000. Btu = British thermal unit. For conversion rates for each fuel type, see source]

Mode	Trillion Btu			Unit	Physical units		
	2000	2005	2008		2000	2005	2008
AIR ¹							
Aviation gasoline	40	35	² 30	mil. gal.	333	361	² 349
Jet fuel	2,138	2,093	² 1,940	mil. gal.	14,876	14,733	² 14,019
HIGHWAY							
Passenger car and motorcycle	9,159	9,701	8,969	mil. gal.	73,275	74,085	71,497
Other 2-axle 4-tire vehicle	6,617	7,359	7,650	mil. gal.	52,939	65,419	61,199
Single-unit 2-axle 6-tire or more truck	1,326	1,188	1,236	mil. gal.	9,563	9,042	9,889
Combination truck ³	3,560	3,840	3,719	mil. gal.	25,666	24,411	26,814
Bus	154	155	154	mil. gal.	1,112	1,329	1,110
TRANSIT ⁴							
Electricity	19	20	(NA)	mil. kWh.	5,382	5,765	6,337
Diesel	109	101	(NA)	mil. gal.	591	480	499
Gasoline and other nondiesel fuels ⁵	6	7	(NA)	mil. gal.	24	81	68
Compressed natural gas	8	17	(NA)	mil. gal.	44	94	113
RAIL ⁶							
Distillate/diesel fuel	529	581	551	mil. gal.	3,795	4,163	3,949
Electricity	2	2	2	mil. kWh.	470	531	582
WATER							
Residual fuel oil	960	775	758	mil. gal.	6,410	5,179	5,066
Distillate/diesel fuel oil	314	278	165	mil. gal.	2,261	2,006	1,187
Gasoline	141	158	142	mil. gal.	1,124	1,261	1,136
PIPELINE							
Natural gas	662	602	668	mil. cu. ft.	642,210	584,026	647,958

NA Not available. ¹ Includes general aviation and certified carriers, domestic operations only. Also includes fuel used in air taxi operations, but not commuter operations. ² Estimate. ³ A power unit (truck tractor) and one or more trailing units (a semitrailer or trailer). ⁴ Includes light, heavy, and commuter rail; motor bus; trolley bus; van pools; automated guideway; and demand-responsive vehicles. ⁵ Gasoline and all other nondiesel fuels such as liquefied natural gas, methanol, and propane, except compressed natural gas. ⁶ Includes Amtrak and freight service carriers that have an annual operating revenue of \$250 million or more.

Source: U.S. Department of Transportation Statistics, *National Transportation Statistics, 2010*. See also <http://www.bts.gov/publications/national_transportation_statistics/>, accessed September 2010.

Table 926. Manufacturing Primary Energy Consumption for All Purposes by Type of Fuel and Major Industry Group: 2006

[In trillions of Btu (21,098 represents 21,098,000,000,000). Estimates represent consumption of energy for all purposes. "First Use" represents unduplicated demand for energy by manufacturers. "First Use" includes all energy produced onsite, all energy produced onsite, either directly from captive mines and wells, or as byproducts from nonenergy materials (such as sawdust from furniture production, hydrogen from electrolysis of brine, nut shells from peanut processing). Based on the Manufacturing Energy Consumption Survey and subject to sampling variability]

Industry	NAICS ¹ code	Net electric-ity ³		Resid-ual fuel oil	Distil-late fuel oil ⁴	Natural gas ⁵	LPG and NGL ⁶	Coke and breeze ⁷		
		Total ²						Coal	breeze	Other ⁷
All industries, total	(X)	21,098	2,851	314	143	5,911	2,376	1,433	272	8,443
Food	311	1,186	251	26	16	638	3	147	1	105
Beverage and tobacco products	312	107	30	3	1	41	1	20	—	11
Textile mills	313	178	66	2	(Z)	65	(Z)	32	—	12
Textile product mills	314	72	20	(S)	(Z)	46	1	3	—	(Z)
Apparel	315	14	7	(Z)	(Z)	7	(Z)	—	—	(Z)
Leather and allied products	316	3	1	(Z)	(Z)	1	(Z)	—	—	(Z)
Wood products	321	451	91	4	21	87	4	(S)	(S)	228
Paper	322	2,354	247	91	13	474	5	221	—	1,302
Printing and related support	323	85	45	(Z)	(Z)	39	1	—	—	(Z)
Petroleum and coal products	324	6,864	137	58	33	849	29	102	1	5,744
Chemicals	325	5,149	517	87	8	1,746	2,304	182	3	707
Plastics and rubber products	326	337	182	9	3	128	5	(S)	—	(Z)
Nonmetallic mineral products	327	1,114	147	3	30	460	5	320	11	138
Primary metals	331	1,736	458	19	7	627	4	373	253	139
Fabricated metal products	332	396	143	(Z)	2	240	5	—	(S)	(S)
Machinery	333	204	111	(S)	2	84	3	1	—	2
Computer and electronic products	334	142	94	(Z)	1	45	(Z)	—	—	2
Electrical equip., appliances, and components	335	103	44	—	(S)	42	1	(Z)	—	21
Transportation equipment	336	477	195	7	3	249	5	5	(S)	13
Furniture and related products	337	61	32	(Z)	(S)	17	1	3	—	8
Miscellaneous	339	66	33	(S)	(Z)	25	1	—	—	(S)

— Represents or rounds to zero. D Withheld to avoid disclosing data for individual establishments. S Withheld because Relative Standard Error is greater than 50 percent. X Not applicable. Z Less than 500 billion Btu. ¹ North American Industry Classification System 2002 (NAICS); see text, Section 15. ² Total is the sum of all listed energy sources, including "other," minus the shipments of energy sources produced onsite. ³ Net electricity is obtained by aggregating purchases, transfers in, and generation from noncombustible renewable resources minus quantities sold and transferred out. Excludes electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal). ⁴ Includes No. 1, 2, and 4 fuel oils and No. 1, 2, and 4 diesel fuels. ⁵ Includes natural gas obtained from liquids, transmission pipelines, and any other supplier such as brokers and producers. ⁶ Liquid petroleum gas and natural gas liquids. ⁷ Includes net steam, and any other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs.

Source: U.S. Energy Information Administration, Manufacturing Energy Consumption Survey (MECS), June 2009, <<http://www.eia.doe.gov/emeu/mecs/contents.html>>.