

Table A3. Approximate Heat Content of Petroleum Consumption and Biofuels Production
(Million Btu per Barrel)

	Total Petroleum ^a Consumption by Sector						Liquefied Petroleum Gases Consumption ^e	Motor Gasoline Consumption ^f	Fuel Ethanol	Fuel Ethanol Feed-stock ^g	Biodiesel	Biodiesel Feed-stock ^h
	Residential	Commercial ^b	Industrial ^b	Transportation ^b	Electric Power ^{c,d}	Total ^b						
1973	5.205	5.749	5.569	5.395	6.245	5.515	3.746	5.253	3.539	NA	NA	NA
1974	5.196	5.740	5.538	5.394	6.238	5.504	3.730	5.253	3.539	NA	NA	NA
1975	5.192	5.704	5.527	5.392	6.250	5.494	3.715	5.253	3.539	NA	NA	NA
1976	5.215	5.726	5.536	5.395	6.251	5.504	3.711	5.253	3.539	NA	NA	NA
1977	5.213	5.733	5.554	5.400	6.249	5.518	3.677	5.253	3.539	NA	NA	NA
1978	5.213	5.716	5.554	5.404	6.251	5.519	3.669	5.253	3.539	NA	NA	NA
1979	5.298	5.769	5.419	5.428	6.258	5.494	3.680	5.253	3.539	NA	NA	NA
1980	5.245	5.803	5.374	5.440	6.254	5.479	3.674	5.253	3.539	6.586	NA	NA
1981	5.191	5.751	5.312	5.432	6.258	5.448	3.643	5.253	3.539	6.486	NA	NA
1982	5.167	5.751	5.263	5.422	6.258	5.415	3.615	5.253	3.539	6.428	NA	NA
1983	5.022	5.642	5.275	5.415	6.255	5.406	3.614	5.253	3.539	6.388	NA	NA
1984	5.184	5.705	5.223	5.418	6.251	5.395	3.599	5.253	3.539	6.356	NA	NA
1985	5.153	5.661	5.215	5.422	6.247	5.387	3.603	5.253	3.539	6.331	NA	NA
1986	5.169	5.694	5.283	5.425	6.257	5.418	3.640	5.253	3.539	6.310	NA	NA
1987	5.144	5.661	5.248	5.429	6.249	5.403	3.659	5.253	3.539	6.291	NA	NA
1988	5.165	5.661	5.241	5.433	6.250	5.410	3.652	5.253	3.539	6.275	NA	NA
1989	5.105	5.621	5.234	5.438	^c 6.240	5.410	3.683	5.253	3.539	6.260	NA	NA
1990	5.027	5.621	5.270	5.442	6.244	5.411	3.625	5.253	3.539	6.247	NA	NA
1991	4.968	5.599	5.186	5.440	6.246	5.384	3.614	5.253	3.539	6.235	NA	NA
1992	5.004	5.589	5.185	5.442	6.238	5.378	3.624	5.253	3.539	6.224	NA	NA
1993	4.975	^b 5.580	^b 5.196	^b 5.436	6.230	^b 5.379	3.606	5.253	3.539	6.214	NA	NA
1994	4.983	5.592	5.166	5.424	6.213	5.361	3.635	^f 5.230	3.539	6.204	NA	NA
1995	4.940	5.554	5.137	5.417	6.188	5.341	3.623	5.215	3.539	6.196	NA	NA
1996	4.869	5.498	5.133	5.420	6.195	5.336	3.613	5.216	3.539	6.187	NA	NA
1997	4.859	5.459	5.138	5.416	6.199	5.336	3.616	5.213	3.539	6.180	NA	NA
1998	4.837	5.446	5.155	5.413	6.210	5.349	3.614	5.212	3.539	6.172	NA	NA
1999	4.761	5.369	5.113	5.413	6.205	5.328	3.616	5.211	3.539	6.165	NA	NA
2000	4.761	5.394	5.082	5.421	6.189	5.326	3.607	5.210	3.539	6.159	NA	NA
2001	4.796	5.403	5.164	5.412	6.199	5.345	3.614	5.210	3.539	6.152	5.359	5.433
2002	4.742	5.364	5.116	5.410	6.173	5.324	3.613	5.208	3.539	6.146	5.359	5.433
2003	4.763	5.407	5.161	5.408	6.182	5.340	3.629	5.207	3.539	6.141	5.359	5.433
2004	4.807	5.434	5.164	5.420	6.192	5.350	3.618	5.215	3.539	6.135	5.359	5.433
2005	4.783	5.427	5.218	5.426	6.188	5.365	3.620	5.218	3.539	6.130	5.359	5.433
2006	^E 4.666	^E 5.344	^E 5.200	^E 5.428	6.143	5.353	3.605	5.218	3.539	6.125	5.359	5.433
2007	^E 4.639	^E 5.340	^E 5.241	^E 5.429	^P 6.150	^P 5.347	^P 3.592	^P 5.219	3.539	5.987	5.359	5.433
2008	^E 4.639	^E 5.340	^E 5.241	^E 5.429	^E 6.150	^E 5.347	^E 3.592	^E 5.219	3.539	^E 5.986	5.359	5.433

^a Petroleum products supplied, including natural gas plant liquids and crude oil burned directly as fuel. Quantity-weighted averages of the petroleum products included in each category are calculated by using heat content values shown in Table A1.

^b Beginning in 1993, includes ethanol blended into motor gasoline.

^c Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

^d Electric power sector factors are weighted average heat contents for distillate fuel oil, petroleum coke, and residual fuel oil; they exclude other liquids.

^e Quantity-weighted averages of the major components of liquefied petroleum gases are calculated by using heat content values shown in Table A1.

^f There is a discontinuity in this time series between 1993 and 1994; beginning in 1994, the single constant factor is replaced by a quantity-weighted factor—quantity-weighted averages of the major components of motor gasoline, including fuel ethanol, are calculated by using heat content values shown in Table A1.

^g Corn input to the production of fuel ethanol (million Btu corn per barrel denatured ethanol), used as the approximate heat content for total biomass inputs to the production of fuel ethanol.

^h Soybean oil input to the production of biodiesel (million Btu soybean oil per barrel biodiesel), used as the approximate heat content for total biomass inputs to the production of biodiesel.

P=Preliminary. E=Estimate. NA=Not available.

Web Page: http://www.eia.doe.gov/emeu/mer/append_a.html.

Sources: See "Thermal Conversion Factor Source Documentation," which follows Table A6.