

Table 2.1b Residential Sector Energy Consumption Estimates, Selected Years, 1949-2011
(Trillion Btu)

Year	Primary Consumption ¹								Total Primary	Electricity Retail Sales ⁸	Electrical System Energy Losses ⁹	Total
	Fossil Fuels				Renewable Energy ²							
	Coal	Natural Gas ³	Petroleum ⁴	Total	Geothermal ⁵	Solar/PV ⁶	Biomass ⁷	Total				
1949	1,272	1,027	1,106	3,405	NA	NA	1,055	1,055	4,460	228	911	5,599
1950	1,261	1,240	1,322	3,824	NA	NA	1,006	1,006	4,829	246	913	5,989
1955	867	2,198	1,767	4,833	NA	NA	775	775	5,608	438	1,232	7,278
1960	585	3,212	2,227	6,024	NA	NA	627	627	6,651	687	1,701	9,039
1965	352	4,028	2,432	6,811	NA	NA	468	468	7,279	993	2,367	10,639
1970	209	4,987	2,725	7,922	NA	NA	401	401	8,322	1,591	3,852	13,766
1975	63	5,023	2,479	7,564	NA	NA	425	425	7,990	2,007	4,817	14,813
1976	59	5,147	2,703	7,910	NA	NA	482	482	8,391	2,069	4,950	15,410
1977	57	4,913	2,681	7,652	NA	NA	542	542	8,194	2,202	5,267	15,662
1978	49	4,981	2,607	7,638	NA	NA	622	622	8,260	2,301	5,571	16,132
1979	37	5,055	2,099	7,191	NA	NA	728	728	7,919	2,330	5,564	15,813
1980	31	4,825	1,734	6,589	NA	NA	850	850	7,439	2,448	5,866	15,753
1981	30	4,614	1,531	6,175	NA	NA	870	870	7,045	2,464	5,752	15,262
1982	32	4,711	1,434	6,177	NA	NA	970	970	7,147	2,489	5,895	15,531
1983	31	4,478	1,353	5,862	NA	NA	970	970	6,832	2,562	6,031	15,425
1984	40	4,661	1,531	6,231	NA	NA	980	980	7,211	2,662	6,087	15,960
1985	39	4,534	1,565	6,138	NA	NA	1,010	1,010	7,148	2,709	6,184	16,041
1986	40	4,405	1,541	5,986	NA	NA	920	920	6,906	2,795	6,274	15,975
1987	37	4,420	1,617	6,073	NA	NA	850	850	6,923	2,902	6,438	16,263
1988	37	4,735	1,675	6,447	NA	NA	910	910	7,357	3,046	6,729	17,133
1989	31	4,899	1,660	6,590	5	52	920	977	7,567	3,090	7,129	17,786
1990	31	4,491	1,394	5,916	6	56	580	641	6,557	3,153	7,235	16,945
1991	25	4,667	1,381	6,073	6	57	610	673	6,747	3,260	7,414	17,420
1992	26	4,805	1,414	6,244	6	R60	640	706	6,950	3,193	7,212	17,356
1993	26	5,063	1,439	6,528	7	61	550	618	7,146	3,394	7,677	18,218
1994	21	4,960	1,408	6,389	6	63	520	589	6,978	3,441	7,693	18,112
1995	17	4,954	1,374	6,345	7	64	520	591	6,936	3,557	8,026	18,519
1996	17	5,354	1,484	6,854	7	65	540	612	R7,467	3,694	8,344	19,504
1997	16	5,093	1,422	6,531	8	64	430	502	7,033	3,671	8,261	18,965
1998	12	4,646	1,304	5,962	8	64	380	452	6,413	3,856	8,686	18,955
1999	14	4,835	1,465	6,314	9	63	390	461	6,775	3,906	8,875	19,557
2000	11	5,105	1,554	6,670	9	R61	420	489	7,159	4,069	9,197	20,425
2001	12	4,889	1,529	6,430	9	59	370	438	6,868	4,100	9,074	20,042
2002	12	R4,995	1,457	R6,464	10	57	380	448	R6,912	4,317	9,562	R20,791
2003	12	5,209	1,519	6,741	13	57	400	470	7,211	4,353	9,546	21,110
2004	11	4,981	1,520	6,513	14	57	410	481	6,993	4,408	9,691	21,093
2005	8	4,946	1,451	6,406	16	58	430	504	6,909	4,638	10,079	21,626
2006	6	4,476	1,224	5,706	18	63	R380	R462	R6,168	4,611	9,909	R20,688
2007	8	R4,835	1,254	R6,097	22	70	R410	R502	R6,598	4,750	10,182	R21,531
2008	8	5,010	1,243	6,261	26	80	450	R557	6,817	4,708	10,071	21,596
2009	8	4,883	1,176	6,067	33	89	430	552	6,619	4,656	9,789	R21,064
2010	7	R4,883	R1,142	R6,032	37	R114	420	R571	R6,603	R4,933	R10,326	R21,862
2011 ^P	6	4,830	1,139	5,975	40	140	430	610	6,585	4,858	10,176	21,619

¹ See "Primary Energy Consumption" in Glossary.

² Data are estimates. See Table 10.2a for notes on series components.

³ Natural gas only; excludes the estimated portion of supplemental gaseous fuels. See Note 1, "Supplemental Gaseous Fuels," at end of Section 6.

⁴ Based on petroleum product supplied. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section 5.

⁵ Geothermal heat pump and direct use energy.

⁶ Solar thermal direct use energy, and photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6). Includes small amounts of distributed solar thermal and PV energy used in the commercial, industrial, and electric power sectors.

⁷ Wood and wood-derived fuels.

⁸ Electricity retail sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

⁹ Total losses are calculated as the primary energy consumed by the electric power sector minus the energy content of electricity retail sales. Total losses are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note, "Electrical System Energy Losses," at end of section.

R=Revised. P=Preliminary. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#consumption> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#consumption> for all annual data beginning in 1949.

Sources: Tables 2.1f, 5.14a, 6.5, 7.3, 8.9, 10.2a, A4, A5, and A6.