

Table 10.2a Renewable Energy Consumption: Residential and Commercial Sectors, Selected Years, 1949-2008
(Trillion Btu)

Year	Residential Sector				Commercial Sector ¹						
	Geo-thermal ²	Solar/PV ³	Biomass	Total	Hydro-electric Power ⁵	Geo-thermal ²	Biomass				Total
			Wood ⁴				Wood ⁴	Waste ⁶	Fuel Ethanol ⁷	Total	
1949	NA	NA	1,055	1,055	NA	NA	20	NA	NA	20	20
1950	NA	NA	1,006	1,006	NA	NA	19	NA	NA	19	19
1955	NA	NA	775	775	NA	NA	15	NA	NA	15	15
1960	NA	NA	627	627	NA	NA	12	NA	NA	12	12
1965	NA	NA	468	468	NA	NA	9	NA	NA	9	9
1970	NA	NA	401	401	NA	NA	8	NA	NA	8	8
1971	NA	NA	382	382	NA	NA	7	NA	NA	7	7
1972	NA	NA	380	380	NA	NA	7	NA	NA	7	7
1973	NA	NA	354	354	NA	NA	7	NA	NA	7	7
1974	NA	NA	371	371	NA	NA	7	NA	NA	7	7
1975	NA	NA	425	425	NA	NA	8	NA	NA	8	8
1976	NA	NA	482	482	NA	NA	9	NA	NA	9	9
1977	NA	NA	542	542	NA	NA	10	NA	NA	10	10
1978	NA	NA	622	622	NA	NA	12	NA	NA	12	12
1979	NA	NA	728	728	NA	NA	14	NA	NA	14	14
1980	NA	NA	850	850	NA	NA	21	NA	NA	21	21
1981	NA	NA	870	870	NA	NA	21	NA	(s)	21	21
1982	NA	NA	970	970	NA	NA	22	NA	(s)	22	22
1983	NA	NA	970	970	NA	NA	22	NA	(s)	22	22
1984	NA	NA	980	980	NA	NA	22	NA	(s)	22	22
1985	NA	NA	1,010	1,010	NA	NA	24	NA	(s)	24	24
1986	NA	NA	920	920	NA	NA	27	NA	(s)	27	27
1987	NA	NA	850	850	NA	NA	29	NA	1	30	30
1988	NA	NA	910	910	NA	NA	32	NA	1	33	33
1989	5	53	920	978	1	3	76	22	1	99	102
1990	6	56	580	641	1	3	66	28	1	94	98
1991	6	58	610	674	1	3	68	26	(s)	95	100
1992	6	60	640	706	1	3	72	32	(s)	105	109
1993	7	62	550	618	1	3	76	33	(s)	109	114
1994	6	64	520	590	1	4	72	35	(s)	106	112
1995	7	65	520	591	1	5	72	40	(s)	113	118
1996	7	65	540	612	1	5	76	53	(s)	129	135
1997	8	65	430	503	1	6	73	58	(s)	131	138
1998	8	65	380	452	1	7	64	54	(s)	118	127
1999	9	64	390	462	1	7	67	54	(s)	121	129
2000	9	61	420	490	1	8	71	47	(s)	119	128
2001	9	60	370	439	1	8	67	25	(s)	92	101
2002	10	59	380	449	(s)	9	69	26	(s)	95	104
2003	13	58	400	471	1	11	71	29	1	101	113
2004	14	59	410	483	1	12	70	34	1	105	118
2005	16	61	R430	R507	1	14	70	34	1	105	119
2006	18	67	R390	R475	1	14	65	36	1	102	117
2007	22	R75	R430	R527	1	14	R69	R31	2	R102	R118
2008 ^P	26	83	490	599	1	15	72	32	3	107	123

¹ Commercial sector, including commercial combined-heat-and-power (CHP) and commercial electricity-only plants. See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of Section 8.

² Geothermal heat pump and direct use energy.

³ Solar thermal direct use energy, and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate). Includes a small amount of commercial sector use.

⁴ Wood and wood-derived fuels.

⁵ Conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate).

⁶ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and

other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

⁷ The ethanol portion of motor fuels (such as E10) consumed by the commercial sector.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • All values are estimated, except for commercial sector hydroelectric power and waste.

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

Web Pages: • For all data beginning in 1949, see <http://www.eia.doe.gov/emeu/aer/renew.html>.

• For related information, see <http://www.eia.doe.gov/fuelrenewable.html>.

Sources: See end of section.