

**Table 10.2a Renewable Energy Consumption by End-Use Sector, 1949-2000**  
(Trillion Btu)

Year	Residential				Commercial			Industrial <sup>1</sup>				Transportation	End-Use Total
	Wood <sup>2</sup>	Geothermal <sup>3</sup>	Solar <sup>4</sup>	Total	Wood <sup>2</sup>	Geothermal <sup>3</sup>	Total	Wood <sup>5</sup>	Waste <sup>6</sup>	Geothermal <sup>3</sup>	Total	Alcohol Fuels <sup>7</sup>	
1949	1,055	NA	NA	1,055	20	NA	20	468	NA	NA	R468	NA	1,543
1950	1,006	NA	NA	1,006	19	NA	19	532	NA	NA	R532	NA	1,557
1951	958	NA	NA	958	18	NA	18	553	NA	NA	R553	NA	1,529
1952	899	NA	NA	899	17	NA	17	552	NA	NA	R552	NA	1,468
1953	832	NA	NA	832	16	NA	16	566	NA	NA	R566	NA	1,414
1954	800	NA	NA	800	15	NA	15	576	NA	NA	R576	NA	1,391
1955	775	NA	NA	775	15	NA	15	631	NA	NA	R631	NA	1,421
1956	739	NA	NA	739	14	NA	14	661	NA	NA	R661	NA	1,414
1957	702	NA	NA	702	13	NA	13	616	NA	NA	R616	NA	1,332
1958	688	NA	NA	688	13	NA	13	620	NA	NA	R620	NA	1,321
1959	647	NA	NA	647	12	NA	12	692	NA	NA	R692	NA	1,351
1960	627	NA	NA	627	12	NA	12	680	NA	NA	R680	NA	1,318
1961	587	NA	NA	587	11	NA	11	695	NA	NA	R695	NA	1,293
1962	560	NA	NA	560	11	NA	11	728	NA	NA	R728	NA	1,299
1963	537	NA	NA	537	10	NA	10	775	NA	NA	R775	NA	1,322
1964	499	NA	NA	499	9	NA	9	827	NA	NA	R827	NA	1,335
1965	468	NA	NA	468	9	NA	9	855	NA	NA	R855	NA	1,332
1966	455	NA	NA	455	9	NA	9	902	NA	NA	R902	NA	1,366
1967	434	NA	NA	434	8	NA	8	895	NA	NA	R895	NA	1,337
1968	426	NA	NA	426	8	NA	8	982	NA	NA	R982	NA	1,416
1969	415	NA	NA	415	8	NA	8	1,014	NA	NA	R1,014	NA	1,437
1970	401	NA	NA	401	8	NA	8	1,019	NA	NA	R1,019	NA	1,427
1971	382	NA	NA	382	7	NA	7	1,040	NA	NA	R1,040	NA	1,429
1972	380	NA	NA	380	7	NA	7	1,113	NA	NA	R1,113	NA	1,500
1973	354	NA	NA	354	7	NA	7	1,165	NA	NA	R1,165	NA	1,526
1974	371	NA	NA	371	7	NA	7	1,159	NA	NA	R1,159	NA	1,537
1975	425	NA	NA	425	8	NA	8	1,063	NA	NA	R1,063	NA	1,497
1976	482	NA	NA	482	9	NA	9	1,220	NA	NA	R1,220	NA	1,711
1977	542	NA	NA	542	10	NA	10	1,281	NA	NA	R1,281	NA	1,833
1978	622	NA	NA	622	12	NA	12	1,400	NA	NA	R1,400	NA	2,034
1979	728	NA	NA	728	14	NA	14	1,405	NA	NA	R1,405	NA	2,147
1980	R859	NA	NA	859	21	NA	21	1,600	NA	NA	R1,600	NA	2,480
1981	869	NA	NA	869	21	NA	21	1,602	87	NA	R1,689	7	2,586
1982	937	NA	NA	937	22	NA	22	1,516	118	NA	R1,634	19	2,612
1983	925	NA	NA	925	22	NA	22	1,690	155	NA	R1,845	35	2,827
1984	923	NA	NA	923	22	NA	22	1,679	204	NA	R1,883	43	2,871
1985	899	NA	NA	899	24	NA	24	1,645	230	NA	R1,875	52	2,850
1986	876	NA	NA	876	27	NA	27	1,610	256	NA	R1,866	60	2,829
1987	852	NA	NA	852	29	NA	29	1,576	282	NA	R1,858	69	2,808
1988	885	NA	NA	885	32	NA	32	1,625	308	NA	R1,933	70	2,920
1989	918	R5	53	976	34	3	37	R1,394	250	R2	R1,646	71	2,729
1990	581	R6	56	642	37	3	40	R1,254	271	R2	R1,527	63	2,272
1991	613	R6	58	677	39	3	42	R1,190	275	R2	R1,467	73	2,259
1992	645	R6	60	711	42	3	45	R1,233	289	R2	R1,525	83	2,365
1993	548	R7	62	616	44	3	47	R1,255	288	R2	R1,546	97	2,307
1994	537	R6	64	607	45	4	49	R1,342	318	R3	R1,663	109	2,428
1995	596	R7	65	667	45	5	50	R1,402	322	R3	R1,727	117	2,561
1996	595	R7	66	668	49	5	54	R1,441	363	R3	R1,807	84	2,612
1997	433	R7	65	506	47	6	53	R1,513	338	R3	R1,854	106	2,518
1998	R387	R8	65	459	47	7	54	R1,564	312	R3	R1,879	117	2,509
1999	R414	R8	R64	486	R51	7	58	R1,711	291	R4	R2,007	122	2,673
2000 <sup>E</sup>	433	9	62	503	52	8	60	1,702	287	4	1,993	139	2,695

<sup>1</sup> Through 1988, includes industrial sector use of wood and waste to produce both useful thermal output and electricity. From 1989, includes the portion of nonutility power producers' use of renewable energy to produce useful thermal output; excludes the portion used to produce electricity, which is included under "Nonutility Power Producers" on Table 10.2b.

<sup>2</sup> Wood only.

<sup>3</sup> Geothermal heat pump and direct use energy.

<sup>4</sup> Solar thermal direct use energy. Includes small amounts of commercial sector use.

<sup>5</sup> Wood, wood waste, black liquor, red liquor, spent sulfite liquor, wood sludge, peat, railroad ties, and utility poles.

<sup>6</sup> Municipal solid waste, landfill gas, methane, digester gas, liquid acetonitrile waste, tall oil, waste alcohol, medical waste, paper pellets, sludge waste, solid byproducts, tires, agricultural byproducts, closed loop biomass, fish oil, and straw.

<sup>7</sup> Ethanol blended into motor gasoline.

R=Revised. E=Estimate. NA=Not available.

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

Web Page: <http://www.eia.doe.gov/fuelrenewable.html>.

Sources: See end of section.