

Table 10.2c Renewable Energy Consumption: Electric Power Sector, Selected Years, 1949-2008

(Trillion Btu)

Year	Hydroelectric Power ¹	Geothermal ²	Solar/PV ³	Wind ⁴	Biomass			Total
					Wood ⁵	Waste ⁶	Total	
1949	1,349	NA	NA	NA	6	NA	6	1,355
1950	1,346	NA	NA	NA	5	NA	5	1,351
1955	1,322	NA	NA	NA	3	NA	3	1,325
1960	1,569	1	NA	NA	2	NA	2	1,571
1965	2,026	4	NA	NA	3	NA	3	2,033
1970	2,600	11	NA	NA	1	2	4	2,615
1971	2,790	12	NA	NA	1	2	3	2,806
1972	2,829	31	NA	NA	1	2	3	2,864
1973	2,827	43	NA	NA	1	2	3	2,873
1974	3,143	53	NA	NA	1	2	3	3,199
1975	3,122	70	NA	NA	(s)	2	2	3,194
1976	2,943	78	NA	NA	1	2	3	3,024
1977	2,301	77	NA	NA	3	2	5	2,383
1978	2,905	64	NA	NA	2	1	3	2,973
1979	2,897	84	NA	NA	3	2	5	2,986
1980	2,867	110	NA	NA	3	2	5	2,982
1981	2,725	123	NA	NA	3	1	4	2,852
1982	3,233	105	NA	NA	2	1	3	3,341
1983	3,494	129	NA	(s)	2	2	4	3,627
1984	3,353	165	(s)	(s)	5	4	9	3,527
1985	2,937	198	(s)	(s)	8	7	14	3,150
1986	3,038	219	(s)	(s)	5	7	12	3,270
1987	2,602	229	(s)	(s)	8	7	15	2,846
1988	2,302	217	(s)	(s)	10	8	17	2,536
1989 ⁷	2,808	308	3	22	100	132	232	3,372
1990	3,014	326	4	29	129	188	317	3,689
1991	2,985	335	5	31	126	229	354	3,710
1992	2,586	338	4	30	140	262	402	3,360
1993	2,861	351	5	31	150	265	415	3,662
1994	2,620	325	5	36	152	282	434	3,420
1995	3,149	280	5	33	125	296	422	3,889
1996	3,528	300	5	33	138	300	438	4,305
1997	3,581	309	5	34	137	309	446	4,375
1998	3,241	311	5	31	137	308	444	4,032
1999	3,218	312	5	46	138	315	453	4,034
2000	2,768	296	5	57	134	318	453	3,579
2001	2,209	289	6	70	126	211	337	2,910
2002	2,650	305	6	105	150	230	380	3,445
2003	2,781	303	5	115	167	230	397	3,601
2004	2,656	311	6	142	165	223	388	3,503
2005	2,670	309	6	178	185	221	406	3,568
2006	2,839	306	5	264	182	231	412	3,827
2007	^R 2,430	^R 308	6	^R 341	^R 186	^R 237	^R 423	^R 3,508
2008 ^P	2,432	312	8	514	181	242	423	3,690

¹ Conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate).

² Geothermal electricity net generation (converted to Btu using the geothermal energy plants heat rate).

³ Solar thermal and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate).

⁴ Wind electricity net generation (converted to Btu using the fossil-fueled plants heat rate).

⁵ Wood and wood-derived fuels.

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 Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and

independent power producers.

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

Notes: • The electric power sector comprises 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. • See Note 3, "Electricity Imports and Exports," at end of Section 8. • 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: Tables 8.2b, 8.5b, 8.7b, and A6.