

Table 10.2c Renewable Energy Consumption: Electric Power Sector
(Trillion Btu)

	Hydro-electric Power ^a	Geo-thermal ^b	Solar ^c	Wind ^d	Biomass			Total
					Wood ^e	Waste ^f	Total	
1950 Total	1,346	NA	NA	NA	5	NA	5	1,351
1955 Total	1,322	NA	NA	NA	3	NA	3	1,325
1960 Total	1,569	(s)	NA	NA	2	NA	2	1,571
1965 Total	2,026	2	NA	NA	3	NA	3	2,031
1970 Total	2,600	6	NA	NA	1	2	4	2,609
1975 Total	3,122	34	NA	NA	(s)	2	2	3,158
1980 Total	2,867	53	NA	NA	3	2	4	2,925
1985 Total	2,937	97	(s)	(s)	8	7	14	3,049
1990 Total ^g	3,014	161	4	29	129	188	317	3,524
1995 Total	3,149	138	5	33	125	296	422	3,747
2000 Total	2,768	144	5	57	134	318	453	3,427
2001 Total	2,209	142	6	70	126	211	337	2,763
2002 Total	2,650	147	6	105	150	230	380	3,288
2003 Total	2,749	146	5	113	167	230	397	3,411
2004 Total	2,655	148	6	142	165	223	388	3,339
2005 Total	2,670	147	6	178	185	221	406	3,406
2006 Total	2,839	145	5	264	182	231	412	3,665
2007 Total	2,430	145	6	341	186	237	423	3,345
2008 Total	2,494	146	9	546	177	258	435	3,630
2009 Total	2,650	146	9	721	180	261	441	3,967
2010 Total	2,521	148	12	923	196	264	459	4,064
2011 Total	3,085	149	17	1,167	182	255	437	4,855
2012 Total	2,606	148	40	1,339	190	262	453	4,586
2013 Total	2,529	151	83	1,600	207	262	470	4,833
2014 Total	2,454	151	165	1,726	251	279	530	5,026
2015 January	224	13	11	141	22	23	45	433
February	207	12	14	139	21	20	41	412
March	225	13	19	143	21	22	43	443
April	208	12	22	166	18	22	40	448
May	186	13	23	160	18	23	41	423
June	189	12	23	125	21	23	44	393
July	195	13	24	127	22	26	48	407
August	177	13	25	122	23	25	48	384
September	149	11	20	130	20	23	43	354
October	154	12	17	152	17	24	41	378
November	179	12	16	183	19	25	44	434
December	214	13	14	187	21	25	47	476
Total	2,308	148	228	1,776	244	281	525	4,985
2016 January	236	14	14	173	21	25	45	481
February	224	13	22	188	21	23	43	490
March	250	14	25	205	20	23	43	536
April	236	12	27	193	15	25	40	508
May	235	14	33	175	16	24	40	496
June	212	13	33	152	19	24	42	452
July	197	13	38	164	20	24	45	456
August	180	13	36	126	21	25	46	401
September	151	14	34	153	18	23	41	393
October	160	14	29	190	15	24	39	432
November	175	14	25	180	17	23	40	433
December	209	15	21	214	20	25	46	505
Total	2,465	162	337	2,112	222	287	509	5,585
2017 January	257	14	20	189	19	25	44	525
February	228	13	24	202	18	22	41	507
March	280	14	41	238	20	24	44	618
April	271	14	44	237	18	22	39	605
May	298	13	54	208	19	23	42	614
June	284	13	58	181	19	23	41	577
July	243	14	51	146	21	23	43	498
August	198	14	50	122	20	23	44	428
8-Month Total	2,060	110	342	1,523	154	184	338	4,372
2016 8-Month Total	1,770	106	228	1,375	151	192	344	3,823
2015 8-Month Total	1,611	100	160	1,123	166	184	350	3,343

^a Conventional hydroelectricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6).

^b Geothermal electricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6).

^c Solar photovoltaic (PV) and solar thermal electricity net generation in the electric power sector (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6). See Table 10.5.

^d Wind electricity net generation (converted to Btu by multiplying by the total fossil fuels heat rate factors in Table A6).

^e Wood and wood-derived fuels.

^f 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).

^g Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

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. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: Tables 7.2b, 7.4b, and A6.