

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 ⁹	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 Total	2,308	148	228	1,776	244	281	525	4,985
2016 January	235	12	13	170	21	23	44	475
February	222	11	20	186	20	22	43	482
March	251	12	24	202	19	24	43	533
April	238	11	26	192	15	24	39	506
May	234	12	31	174	16	24	40	491
June	213	12	32	150	18	23	41	448
July	197	12	36	163	20	24	44	451
August	180	12	36	125	21	24	45	399
September	150	12	33	151	19	22	41	388
October	159	12	29	188	16	22	37	426
November	173	13	25	179	18	24	42	432
December	207	13	22	213	21	25	46	501
Total	2,459	146	328	2,094	224	281	505	5,531
2017 January	256	13	20	191	21	24	45	525
February	225	11	23	205	19	22	41	505
March	278	13	40	241	22	24	46	618
April	269	13	44	238	18	21	40	603
May	296	12	53	209	20	22	42	611
June	279	12	57	182	21	23	44	573
July	236	13	50	145	22	23	46	490
August	195	13	49	121	22	23	46	423
September	174	12	47	159	19	21	41	433
October	158	12	44	229	21	22	43	486
November	182	12	28	215	20	22	43	480
December	207	13	28	210	21	23	45	502
Total	2,755	147	483	2,345	247	272	519	6,249
2018 January	233	13	30	248	22	24	45	569
February	235	12	37	221	19	22	42	546
March	238	13	47	252	20	24	44	593
April	254	11	56	247	16	22	39	606
May	278	13	65	216	19	22	42	614
June	252	12	71	225	20	23	43	604
6-Month Total	1,490	74	305	1,408	117	138	255	3,531
2017 6-Month Total	1,603	73	236	1,266	120	136	256	3,435
2016 6-Month Total	1,393	71	146	1,074	110	140	250	2,935

^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).

⁹ 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.