

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	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
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 Total	2,459	146	328	2,094	224	281	505	5,531
2017 Total	2,752	147	486	2,341	229	280	510	6,235
2018 Total	2,651	145	576	2,480	221	275	496	6,348
2019 January	220	12	32	216	19	22	41	520
February	203	11	34	201	16	19	36	485
March	233	12	52	229	16	21	37	564
April	247	11	60	257	14	20	34	608
May	284	12	63	229	16	21	37	624
June	249	12	70	200	16	20	37	567
July	221	12	72	197	19	21	40	541
August	200	12	69	178	19	21	40	500
September	164	12	60	218	17	20	37	491
October	162	10	54	246	15	21	35	507
November	179	8	38	224	16	20	36	486
December	190	10	30	237	18	22	39	507
Total	2,553	134	635	2,632	201	248	448	6,402
2020 January	225	11	41	254	17	21	38	569
February	234	11	50	262	16	20	36	593
March	209	13	57	263	15	21	37	579
April	196	13	72	262	13	20	33	575
May	270	13	86	252	15	20	35	656
June	258	12	85	262	15	18	33	650
July	246	13	92	198	16	20	35	583
August	214	12	84	199	19	20	39	548
September	170	12	70	205	13	19	33	489
October	162	12	65	256	14	19	33	529
November	194	13	52	299	15	19	34	591
December	205	13	48	288	17	21	37	590
Total	2,581	147	802	2,998	185	238	424	6,952
2021 January	232	12	51	270	16	20	36	601
February	196	11	57	237	16	18	35	536
March	189	11	83	351	17	20	37	671
3-Month Total	617	35	191	858	50	59	108	1,809
2020 3-Month Total	668	35	149	778	49	63	111	1,741
2019 3-Month Total	656	35	117	647	52	62	114	1,569

^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).

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.