

Table 8.4c Consumption for Electricity Generation by Energy Source: Commercial and Industrial Sectors, Selected Years, 1989-2011 (Subset of Table 8.4a; Trillion Btu)

Year	Fossil Fuels					Nuclear Electric Power	Renewable Energy							Electricity Net Imports	Total	
	Coal ¹	Petroleum ²	Natural Gas ³	Other Gases ⁴	Total		Conventional Hydroelectric Power ⁵	Biomass		Geo-thermal	Solar/PV ^{5,8}	Wind ⁵	Total			Other ⁹
								Wood ⁶	Waste ⁷							
Commercial Sector ¹⁰																
1989	9	7	18	1	36	—	1	2	9	—	—	—	12	—	—	47
1990	9	6	28	1	45	—	1	2	15	—	—	—	18	—	—	63
1995	12	4	44	—	60	—	1	1	21	—	—	—	23	(s)	—	83
1996	14	4	44	(s)	62	—	1	1	31	—	—	—	33	(s)	—	95
1997	14	5	40	(s)	59	—	1	1	34	—	—	—	35	(s)	—	94
1998	11	5	42	(s)	57	—	1	1	32	—	—	—	34	—	—	91
1999	12	6	40	(s)	57	—	1	(s)	33	—	—	—	35	(s)	—	92
2000	12	5	38	(s)	55	—	1	(s)	26	—	—	—	28	(s)	—	82
2001	13	6	37	(s)	56	—	1	(s)	15	—	—	—	16	7	—	79
2002	9	4	31	(s)	44	—	(s)	(s)	18	—	—	—	19	11	—	73
2003	13	5	39	—	58	—	1	(s)	19	—	—	—	21	11	—	89
2004	8	5	34	—	46	—	1	(s)	19	—	—	—	21	11	—	78
2005	8	4	35	—	46	—	1	(s)	20	—	—	—	21	10	—	78
2006	8	2	35	(s)	45	—	1	(s)	21	—	—	—	22	10	—	77
2007	8	2	35	—	44	—	1	(s)	19	—	—	—	20	10	—	75
2008	8	1	34	—	43	—	1	(s)	20	—	(s)	—	21	11	—	75
2009	7	1	35	—	43	—	1	(s)	23	—	(s)	(s)	24	13	—	80
2010	7	1	^R 40	^R (s)	^R 48	—	1	(s)	^R 24	—	(s)	(s)	^R 25	^R 14	—	^R 87
2011 ^P	6	1	39	(s)	45	—	1	(s)	24	—	(s)	(s)	25	14	—	84
Industrial Sector ¹¹																
1989	229	52	456	83	820	—	28	267	15	—	—	—	311	37	—	1,168
1990	233	79	530	104	946	—	31	335	16	—	—	—	382	36	—	1,364
1995	259	66	617	114	1,057	—	55	373	13	—	—	—	440	40	—	1,537
1996	261	74	626	143	1,104	—	61	394	13	—	—	—	468	35	—	1,607
1997	260	63	637	105	1,064	—	58	367	14	—	—	—	439	36	—	1,538
1998	245	67	643	102	1,056	—	55	349	13	—	—	—	417	35	—	1,508
1999	242	68	660	112	1,081	—	49	364	8	—	—	—	422	39	—	1,542
2000	245	61	660	107	1,074	—	42	369	10	—	—	—	421	45	—	1,540
2001	227	62	674	88	1,051	—	33	370	7	—	—	—	410	44	—	1,504
2002	255	55	697	106	1,113	—	39	464	15	—	—	—	518	43	—	1,675
2003	217	61	687	127	1,093	—	43	362	13	—	—	—	419	46	—	1,558
2004	151	42	585	108	885	—	33	194	5	—	—	—	231	41	—	1,158
2005	145	39	534	85	804	—	32	189	5	—	—	—	226	46	—	1,076
2006	143	31	554	87	814	—	29	187	3	—	—	—	219	35	—	1,068
2007	111	30	572	88	800	—	16	188	4	—	—	—	208	41	—	1,050
2008	109	21	537	73	740	—	17	179	5	—	—	—	200	39	—	980
2009	99	20	535	62	716	—	18	160	4	—	—	—	182	42	—	940
2010	^R 146	^R 14	^R 570	^R 70	^R 801	—	16	^R 172	^R 8	—	(s)	—	^R 197	^R 55	—	^R 1,053
2011 ^P	141	12	580	71	803	—	18	173	8	—	(s)	(s)	199	31	—	1,033

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal symfuel.

² Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, and waste oil.

³ Natural gas, plus a small amount of supplemental gaseous fuels.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Values are converted from kilowatt-hours to Btu using the approximate heat rates in Table A6.

⁶ Wood and wood-derived fuels.

⁷ 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).

⁸ Solar thermal and photovoltaic (PV) energy.

⁹ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

¹⁰ Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

¹¹ Industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

R=Revised. P=Preliminary. — =Not applicable. — =No data reported. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for energy consumed to produce electricity. • See Table 8.4b for electric power sector electricity-only and CHP data. • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#electricity> for all data beginning in 1989.

• For related information, see <http://www.eia.gov/electricity/>.

Sources: • 1989-1997—U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • 1998-2000—EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001-2003—EIA, Form EIA-906, "Power Plant Report." • 2004-2007—EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • 2008 forward—EIA, Form EIA-923, "Power Plant Operations Report."