

Table 11.3e Carbon Dioxide Emissions From Energy Consumption: Electric Power Sector, Selected Years, 1949-2010

(Million Metric Tons of Carbon Dioxide ¹)

Year	Coal	Natural Gas ³	Petroleum				Geo-thermal	Non-Biomass Waste ⁵	Total ²	Biomass ²		
			Distillate Fuel Oil ⁴	Petroleum Coke	Residual Fuel Oil	Total				Wood ⁶	Waste ⁷	Total
1949	187	30	2	NA	30	33	NA	NA	250	1	NA	1
1950	206	35	2	NA	35	37	NA	NA	278	1	NA	1
1955	324	63	2	NA	35	37	NA	NA	424	(s)	NA	(s)
1960	396	95	2	NA	42	43	NA	NA	535	(s)	NA	(s)
1965	546	127	2	NA	55	57	NA	NA	730	(s)	NA	(s)
1970	678	215	10	2	154	166	NA	NA	1,059	(s)	(s)	(s)
1975	824	172	17	(s)	231	248	NA	NA	1,244	(s)	(s)	(s)
1976	911	167	18	(s)	255	273	NA	NA	1,351	(s)	(s)	(s)
1977	962	174	21	(s)	285	306	NA	NA	1,442	(s)	(s)	(s)
1978	960	175	20	1	291	313	NA	NA	1,448	(s)	(s)	(s)
1979	1,056	192	13	1	244	258	NA	NA	1,505	(s)	(s)	(s)
1980	1,137	200	12	1	194	207	NA	NA	1,544	(s)	(s)	(s)
1981	1,180	198	9	(s)	163	173	NA	NA	1,551	(s)	(s)	(s)
1982	1,182	176	7	(s)	116	123	NA	NA	1,481	(s)	(s)	(s)
1983	1,242	158	7	1	113	121	NA	NA	1,521	(s)	(s)	(s)
1984	1,318	170	6	1	94	101	NA	NA	1,588	(s)	(s)	1
1985	1,367	166	6	1	79	86	NA	NA	1,619	1	(s)	1
1986	1,357	142	6	1	107	114	NA	NA	1,613	(s)	(s)	1
1987	1,427	155	7	1	91	99	NA	NA	1,680	1	(s)	1
1988	1,492	143	8	1	114	123	NA	NA	1,758	1	(s)	1
1989	1,519	168	11	2	121	134	(s)	4	1,826	9	8	17
1990	R1,548	176	7	3	92	102	(s)	6	R1,831	12	11	23
1991	R1,548	179	6	3	86	95	(s)	7	R1,830	12	13	25
1992	R1,570	186	5	5	69	79	(s)	8	R1,843	13	15	28
1993	R1,633	188	6	8	76	90	(s)	9	R1,919	14	15	29
1994	R1,639	211	9	7	68	84	(s)	9	R1,944	14	16	30
1995	R1,661	228	8	8	45	61	(s)	10	R1,960	12	17	28
1996	R1,752	205	8	8	50	66	(s)	10	R2,033	13	17	30
1997	R1,797	219	8	10	56	75	(s)	10	R2,101	13	17	30
1998	R1,828	248	10	13	82	105	(s)	10	R2,192	13	17	30
1999	R1,836	260	10	11	76	97	(s)	10	R2,204	13	17	30
2000	R1,927	281	13	10	69	91	(s)	10	R2,310	13	17	29
2001	R1,870	290	12	11	79	102	(s)	11	R2,273	12	19	31
2002	R1,890	306	9	18	52	79	(s)	13	R2,288	14	21	35
2003	R1,931	278	12	18	69	98	(s)	11	R2,319	16	21	37
2004	R1,943	297	8	23	69	100	(s)	11	R2,352	15	20	36
2005	R1,984	319	8	25	69	102	(s)	11	R2,417	17	20	37
2006	R1,954	338	5	22	28	56	(s)	12	R2,359	17	21	38
2007	R1,987	372	7	17	31	55	(s)	11	R2,426	17	22	39
2008	R1,959	362	5	16	19	40	(s)	12	R2,374	17	23	40
2009	R1,741	373	5	14	14	34	(s)	R11	R2,159	17	24	41
2010 ^P	1,828	399	6	15	12	33	(s)	11	2,271	18	23	41

¹ Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.

² Carbon dioxide emissions from biomass energy consumption are excluded from total emissions in this table. See Note, "Accounting for Carbon Dioxide Emissions From Biomass Energy Combustion," at end of section.

³ Natural gas, excluding supplemental gaseous fuels.

⁴ Distillate fuel oil, excluding biodiesel.

⁵ Municipal solid waste from non-biogenic sources, and tire-derived fuels.

⁶ Wood and wood-derived fuels.

⁷ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and

other biomass.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.5 million metric tons of carbon dioxide.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption. • See "Carbon Dioxide" in Glossary. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#environment> for all data beginning in 1949. • For current data, see <http://www.eia.gov/totalenergy/data/monthly/#environment>. • For related information, see <http://www.eia.gov/environment/>.

Sources: • 1949-1972—U.S. Energy Information Administration (EIA) estimates based on data in *Annual Energy Review* Tables 2.1f, 5.14c, and 10.2c. • 1973 forward—EIA, *Monthly Energy Review (MER)* (April 2011), Table 12.6 and MER data system calculations.