

Table 11.2a Carbon Dioxide Emissions From Energy Consumption: Residential Sector, Selected Years, 1949-2011

(Million Metric Tons of Carbon Dioxide ¹)

Year	Coal	Natural Gas ³	Petroleum				Retail Electricity ⁵	Total ²	Biomass ²	
			Distillate Fuel Oil ⁴	Kerosene	Liquefied Petroleum Gases	Total			Wood ⁶	Total ⁶
1949	121	55	51	21	7	80	66	321	99	99
1950	120	66	61	25	9	95	69	350	94	94
1955	83	117	87	27	13	127	110	436	73	73
1960	56	170	115	26	19	160	156	542	59	59
1965	34	214	125	24	24	174	223	644	44	44
1970	20	265	137	22	35	194	355	833	38	38
1975	6	266	132	12	32	176	419	867	40	40
1976	6	273	145	13	34	192	442	913	45	45
1977	5	261	146	12	33	191	478	935	51	51
1978	5	264	143	11	32	186	484	938	58	58
1979	4	268	119	10	21	150	496	918	68	68
1980	3	256	96	8	20	124	529	911	80	80
1981	3	245	84	6	19	109	522	878	82	82
1982	3	250	77	7	18	102	518	873	91	91
1983	3	238	68	6	22	95	531	867	91	91
1984	4	247	80	12	18	109	542	902	92	92
1985	4	241	80	11	20	111	553	909	95	95
1986	4	234	81	9	19	109	558	905	86	86
1987	4	234	85	9	22	115	581	934	80	80
1988	4	251	87	10	22	119	609	982	85	85
1989	3	260	85	8	24	117	625	1,005	86	86
1990	3	238	72	5	22	98	624	963	54	54
1991	2	248	68	5	24	97	633	980	57	57
1992	2	255	72	5	23	100	624	981	60	60
1993	2	269	71	5	25	101	667	1,040	52	52
1994	2	263	70	5	24	99	668	1,032	49	49
1995	2	263	66	5	25	96	678	1,039	49	49
1996	2	284	68	6	30	104	710	1,099	51	51
1997	2	270	64	7	29	99	719	1,090	40	40
1998	1	247	56	8	27	91	759	1,097	36	36
1999	1	257	61	8	33	102	762	1,122	37	37
2000	1	271	66	7	35	108	805	1,185	39	39
2001	1	259	66	7	33	106	805	1,172	35	35
2002	1	R265	63	4	34	101	835	R1,203	36	36
2003	1	276	66	5	34	106	847	1,230	38	38
2004	1	264	68	6	32	106	856	1,228	38	38
2005	1	262	62	6	32	101	897	1,261	40	40
2006	1	237	52	5	28	85	869	1,192	R36	R36
2007	1	257	53	3	31	87	897	R1,241	R38	R38
2008	1	266	49	2	35	85	878	1,229	42	42
2009	1	259	44	2	35	81	819	1,159	40	40
2010	1	R259	R43	2	R33	R78	R875	R1,212	39	39
2011 ^P	1	256	43	1	33	78	827	1,162	40	40

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 Emissions from energy consumption (for electricity and a small amount of useful thermal output) in the electric power sector are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Tables 8.9 and 11.2e.

⁶ Wood and wood-derived fuels.

R=Revised. P=Preliminary.

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/monthly/#environment> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#environment> for all annual data beginning in 1949. • See <http://www.eia.gov/environment/> for related information.

Sources: • 1949-1972—U.S. Energy Information Administration (EIA) estimates based on data in *Annual Energy Review* Tables 2.1b, 5.14a, 8.9, 10.2a, and 11.2e. • 1973 forward—EIA, *Monthly Energy Review* (May 2012), Tables 12.2 and 12.7.