

Table 11.3a Carbon Dioxide Emissions From Energy Consumption: Residential Sector, Selected Years, 1949-2010

(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	R321	99	99
1950	120	66	61	25	9	R95	69	R350	94	94
1955	83	117	87	27	13	R127	110	R436	73	73
1960	56	170	115	26	19	R160	156	R542	59	59
1965	34	214	125	24	24	R174	223	R644	44	44
1970	20	265	137	22	35	R194	355	R833	38	38
1975	6	266	132	12	32	R176	419	R867	40	40
1976	6	273	145	13	34	R192	442	R913	45	45
1977	5	261	146	12	33	R191	478	R935	51	51
1978	5	264	143	11	32	R186	484	R938	58	58
1979	4	268	119	10	21	R150	496	R918	68	68
1980	3	256	96	8	20	R124	529	911	80	80
1981	3	245	84	6	19	R109	522	R878	82	82
1982	3	250	77	7	18	R102	518	R873	91	91
1983	3	238	68	6	22	R95	531	R867	91	91
1984	4	247	80	12	18	R109	542	R902	92	92
1985	4	241	80	11	20	R111	553	R909	95	95
1986	4	234	81	9	19	R109	558	R905	86	86
1987	4	234	85	9	22	R115	581	R934	80	80
1988	4	251	87	10	22	R119	609	R982	85	85
1989	3	260	85	8	24	117	625	R1,005	86	86
1990	3	238	72	5	22	R98	R624	R963	54	54
1991	2	248	68	5	24	R97	R633	R980	57	57
1992	2	255	72	5	23	R100	R624	R981	60	60
1993	2	269	71	5	25	R101	R667	R1,040	52	52
1994	2	263	70	5	24	R99	R668	R1,032	49	49
1995	2	263	66	5	25	R96	R678	R1,039	49	49
1996	2	284	68	6	30	R104	R710	R1,099	51	51
1997	2	270	64	7	29	R99	R719	R1,090	40	40
1998	1	247	56	8	27	R91	R759	R1,097	36	36
1999	1	257	61	8	33	R102	R762	R1,122	37	37
2000	1	271	66	7	35	R108	R805	R1,185	39	39
2001	1	259	66	7	33	R106	R805	R1,172	35	35
2002	1	266	63	4	34	R101	R835	R1,204	36	36
2003	1	276	66	5	34	R106	R847	R1,230	38	38
2004	1	264	68	6	32	R106	R856	R1,228	38	38
2005	1	262	62	6	32	R101	R897	R1,261	40	40
2006	1	237	52	5	28	R85	R869	R1,192	37	37
2007	1	257	53	3	31	R87	R897	R1,242	40	40
2008	1	R266	49	2	35	R85	R878	R1,229	42	42
2009	1	259	44	2	35	R81	R819	1,159	40	40
2010 ^P	1	269	46	2	35	84	878	1,231	39	39

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 11.3e.

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/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 2.1b, 5.14a, 8.9, 10.2a, and 11.3e. • 1973 forward—EIA, *Monthly Energy Review* (April 2011), Tables 12.2 and 12.7.