

Table 12.1 Carbon Dioxide Emissions From Energy Consumption by Source
(Million Metric Tons of Carbon Dioxide^a)

	Coal ^b	Natural Gas ^c	Petroleum										Total	Total ^{h,i}
			Aviation Gasoline	Distillate Fuel Oil ^d	HGL ^e	Jet Fuel	Kero-sene	Lubri-cants	Motor Gasoline ^f	Petroleum Coke	Residual Fuel Oil	Other ^g		
1973 Total	1,207	1,179	6	480	76	155	32	13	911	54	506	97	2,330	4,715
1975 Total	1,181	1,046	5	442	70	146	24	11	911	51	442	93	2,195	4,421
1980 Total	1,436	1,061	4	446	80	156	24	13	900	49	452	129	2,253	4,750
1985 Total	1,638	929	3	445	83	178	17	12	930	55	216	86	2,025	4,593
1990 Total	1,821	1,026	3	470	76	223	6	13	988	70	221	114	2,184	5,038
1995 Total	1,913	1,186	3	498	91	222	8	13	R 1,042	76	152	107	R 2,212	R 5,321
1996 Total	1,995	1,207	3	524	97	232	9	12	R 1,062	80	152	125	R 2,297	R 5,510
1997 Total	2,040	1,214	3	534	95	234	10	13	R 1,073	80	143	131	R 2,317	R 5,582
1998 Total	2,064	1,193	2	537	91	238	12	14	R 1,105	93	158	116	R 2,367	R 5,635
1999 Total	2,062	1,198	3	555	100	245	11	14	R 1,125	97	148	119	R 2,417	R 5,687
2000 Total	2,156	1,246	3	579	104	254	10	14	R 1,133	87	162	106	R 2,452	R 5,864
2001 Total	2,088	1,193	2	597	94	243	11	13	R 1,149	90	145	125	R 2,467	R 5,759
2002 Total	2,095	1,231	2	586	96	237	6	12	R 1,181	97	125	121	R 2,464	R 5,803
2003 Total	2,136	1,196	2	610	93	231	8	11	R 1,186	96	138	134	R 2,510	R 5,854
2004 Total	2,160	1,201	2	632	95	240	10	12	R 1,209	107	155	136	R 2,596	R 5,969
2005 Total	2,182	1,183	2	639	90	246	10	12	R 1,208	106	164	135	R 2,613	R 5,990
2006 Total	2,147	1,170	2	645	85	240	8	11	1,216	106	122	147	R 2,582	R 5,911
2007 Total	2,172	1,246	2	647	89	238	5	12	R 1,208	100	129	143	R 2,573	R 6,002
2008 Total	2,140	1,255	2	610	85	226	2	11	R 1,139	93	111	126	R 2,404	R 5,811
2009 Total	1,876	1,233	2	559	83	204	3	10	R 1,126	87	91	107	R 2,272	R 5,393
2010 Total	1,986	1,292	2	585	86	210	3	11	R 1,110	82	96	115	R 2,299	R 5,588
2011 Total	1,876	1,311	2	599	80	209	2	10	R 1,077	79	82	114	R 2,454	R 5,452
2012 Total	1,657	1,372	2	574	84	206	1	9	1,071	79	66	110	2,202	R 5,242
2013 Total	1,718	1,409	2	581	92	210	1	10	R 1,086	77	57	116	R 2,233	R 5,371
2014 Total	1,714	1,440	2	614	87	216	1	10	1,095	76	46	108	R 2,254	R 5,419
2015 Total	1,480	1,483	1	607	91	227	1	11	R 1,125	76	47	112	2,299	R 5,273
2016 January	123	169	(s)	50	9	18	(s)	1	90	7	5	10	190	483
February	103	145	(s)	48	8	18	(s)	1	90	6	3	12	186	434
March	83	128	(s)	51	8	19	(s)	1	98	7	5	9	198	411
April	81	R 113	(s)	47	6	19	(s)	1	93	5	7	10	189	384
May	92	107	(s)	48	7	20	(s)	1	98	5	5	9	192	392
June	125	109	(s)	48	6	21	(s)	1	97	4	5	10	192	427
July	145	119	(s)	46	7	21	(s)	1	100	6	6	9	197	462
August	144	120	(s)	50	6	21	(s)	1	101	8	5	11	204	469
September	123	106	(s)	49	7	20	(s)	1	96	5	4	10	191	421
October	109	105	(s)	51	7	20	(s)	1	R 94	6	5	11	196	411
November	97	R 117	(s)	49	7	20	(s)	1	93	9	4	9	192	407
December	129	156	(s)	52	9	21	(s)	1	96	7	5	10	201	487
Total	1,354	R 1,494	1	589	88	237	1	11	R 1,144	76	59	120	R 2,326	R 5,186
2017 January	125	158	(s)	48	10	20	(s)	1	88	8	8	10	193	477
February	96	127	(s)	46	7	17	(s)	1	85	4	4	9	172	R 396
March	98	138	(s)	53	8	21	(s)	1	97	3	5	11	200	436
April	90	105	(s)	47	7	20	(s)	1	R 93	5	4	12	189	384
May	102	103	(s)	51	7	21	(s)	1	99	6	5	10	201	R 406
June	116	104	(s)	49	6	21	(s)	1	98	5	5	11	197	418
July	137	116	(s)	47	7	22	(s)	1	100	8	4	11	200	453
August	129	114	(s)	52	6	22	(s)	1	101	5	5	10	203	447
September	109	104	(s)	49	7	20	(s)	1	94	6	4	10	191	405
October	100	R 111	(s)	52	8	22	(s)	1	97	3	5	11	198	410
November	102	128	(s)	52	8	20	(s)	1	91	7	6	10	196	426
December	115	167	(s)	51	9	22	(s)	1	96	7	5	11	202	485
Total	1,318	R 1,473	1	596	90	247	1	10	R 1,140	69	61	126	R 2,342	R 5,146
2018 January	126	181	(s)	57	11	20	1	1	90	7	5	11	202	R 510
February	92	R 145	(s)	46	8	18	(s)	1	83	3	4	11	175	413
March	90	150	(s)	54	9	21	(s)	1	98	5	3	12	204	445
April	R 83	127	(s)	52	7	20	(s)	1	93	5	6	8	192	403
May	R 96	111	(s)	55	6	21	(s)	1	99	6	5	10	203	R 411
June	111	R 111	(s)	49	6	22	(s)	1	99	6	4	11	199	422
July	125	127	(s)	51	7	22	(s)	1	100	6	5	10	203	455
7-Month Total	722	952	1	364	56	145	1	6	662	39	32	73	1,377	3,059
2017 7-Month Total	763	850	1	341	52	141	1	6	661	40	36	74	1,352	2,972
2016 7-Month Total	752	890	1	338	51	136	1	6	664	41	36	69	1,343	2,992

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

^b Includes coal coke net imports.

^c Natural gas, excluding supplemental gaseous fuels.

^d Distillate fuel oil, excluding biodiesel.

^e Hydrocarbon gas liquids.

^f Finished motor gasoline, excluding fuel ethanol.

^g Aviation gasoline blending components, crude oil, motor gasoline blending components, petrochemical feedstocks, special naphthas, still gas, unfinished oils, waxes, and miscellaneous petroleum products.

^h Includes electric power sector use of geothermal energy and non-biomass waste. See Table 12.6.

ⁱ Excludes emissions from biomass energy consumption. See Table 12.7.

R=Revised. (s)=Less than 0.5 million metric tons.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption, plus the relatively small amount of emissions from the non-combustion use of fossil fuels. See "Section 12 Methodology and Sources" at end of section. • See "Carbon Dioxide" in Glossary. • See Note 1, "Emissions of Carbon Dioxide and Other Greenhouse Gases," at end of section. • Data exclude emissions from biomass energy consumption. See Table 12.7 and Note 2, "Accounting for Carbon Dioxide Emissions From Biomass Energy Combustion," at end of section. • 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/#environment> (Excel and CSV files) for all available annual and monthly data beginning in 1973.

Sources: See end of section.