

**Table 12.1 Carbon Dioxide Emissions From Energy Consumption by Source**  
(Million Metric Tons of Carbon Dioxide<sup>a</sup>)

	Coal <sup>b</sup>	Natural Gas <sup>c</sup>	Petroleum										Total <sup>h,i</sup>	
			Aviation Gasoline	Distillate Fuel Oil <sup>d</sup>	HGL <sup>e</sup>	Jet Fuel	Kero-sene	Lubri-cants	Motor Gasoline <sup>f</sup>	Petroleum Coke	Residual Fuel Oil	Other <sup>g</sup>		Total
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	R 1,026	3	470	76	223	6	13	988	70	221	114	2,184	R 5,038
1995 Total	1,913	1,186	3	498	91	222	8	13	1,045	76	152	107	2,215	5,324
1996 Total	1,995	1,207	3	524	97	232	9	12	1,063	80	152	125	2,298	5,511
1997 Total	2,040	1,214	3	534	95	234	10	13	1,075	80	143	131	2,319	5,584
1998 Total	2,064	1,193	2	537	91	238	12	14	1,107	93	158	116	2,369	5,637
1999 Total	2,062	1,198	3	555	100	245	11	14	1,128	97	148	119	2,419	5,690
2000 Total	2,156	1,246	3	579	104	254	10	14	1,136	87	162	106	2,454	5,867
2001 Total	2,088	1,193	2	597	94	243	11	13	1,152	90	145	125	2,470	5,762
2002 Total	2,095	1,231	2	586	96	237	6	12	1,183	97	125	121	2,466	5,805
2003 Total	2,136	1,196	2	610	93	231	8	11	1,187	96	138	134	2,511	5,855
2004 Total	2,160	1,201	2	632	95	240	10	12	1,210	107	155	136	2,598	5,971
2005 Total	2,182	1,183	2	639	90	246	10	12	1,209	106	164	135	2,615	5,992
2006 Total	2,147	1,170	2	645	85	240	8	11	1,217	106	122	147	2,583	5,912
2007 Total	2,172	1,246	2	647	89	238	5	12	1,211	100	129	143	2,576	6,005
2008 Total	2,140	1,255	2	610	85	226	2	11	1,143	93	111	126	2,409	5,815
2009 Total	1,876	1,233	2	559	83	204	3	10	1,129	87	91	107	2,275	5,396
2010 Total	1,986	1,292	2	585	86	210	3	11	1,112	82	96	115	2,302	5,591
2011 Total	1,876	1,311	2	599	80	209	2	10	1,078	79	82	114	2,255	5,454
2012 Total	1,657	1,372	2	574	84	206	1	9	1,071	79	66	110	2,202	5,243
2013 Total	1,718	1,409	2	581	92	210	1	10	1,087	77	57	116	2,233	5,372
2014 Total	1,714	1,440	2	614	87	216	1	10	1,095	76	46	108	2,255	5,419
2015 Total	1,480	1,483	1	607	91	227	1	11	1,126	76	47	112	2,299	5,274
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 114	(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	95	6	5	11	196	411
November	97	118	(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 1,496	1	589	88	237	1	11	1,145	76	59	120	2,327	R 5,189
2017 January	125	158	(s)	49	10	20	(s)	1	88	8	7	10	192	476
February	96	127	(s)	45	7	17	(s)	1	84	4	4	9	172	396
March	98	R 138	(s)	54	8	21	(s)	1	97	3	6	11	201	437
April	90	R 105	(s)	47	7	19	(s)	1	93	6	5	11	190	R 385
May	102	103	(s)	51	7	21	(s)	1	100	6	6	10	201	407
June	116	104	(s)	49	6	21	(s)	1	98	5	6	10	197	418
July	137	116	(s)	48	7	22	(s)	1	100	9	4	10	200	453
August	129	114	(s)	51	6	22	(s)	1	102	6	5	10	203	R 448
September	109	104	(s)	49	7	20	(s)	1	94	6	5	9	191	405
October	100	110	(s)	51	7	21	(s)	1	97	3	6	10	197	408
November	102	R 128	(s)	52	8	21	(s)	1	92	7	6	9	196	R 427
December	115	167	(s)	51	9	22	(s)	1	96	7	6	9	200	483
Total	1,318	R 1,474	1	597	89	247	1	9	1,141	70	64	119	2,338	R 5,142
2018 January	R 126	181	(s)	57	11	20	1	1	90	7	5	11	202	511
February	R 92	R 146	(s)	46	8	18	(s)	1	83	3	4	11	175	413
March	R 90	R 151	(s)	54	9	21	(s)	1	98	5	3	12	204	R 445
April	82	127	(s)	52	7	20	(s)	1	93	5	6	8	192	403
4-Month Total	391	605	(s)	209	35	79	1	3	365	21	18	42	773	1,772
2017 4-Month Total	409	527	(s)	195	32	77	(s)	3	363	21	21	41	754	1,694
2016 4-Month Total	390	556	(s)	196	32	74	(s)	4	370	25	19	41	763	1,712

<sup>a</sup> Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.  
<sup>b</sup> Includes coal coke net imports.  
<sup>c</sup> Natural gas, excluding supplemental gaseous fuels.  
<sup>d</sup> Distillate fuel oil, excluding biodiesel.  
<sup>e</sup> Hydrocarbon gas liquids.  
<sup>f</sup> Finished motor gasoline, excluding fuel ethanol.  
<sup>g</sup> Aviation gasoline blending components, crude oil, motor gasoline blending components, petrochemical feedstocks, special naphthas, still gas, unfinished oils, waxes, and miscellaneous petroleum products.  
<sup>h</sup> Includes electric power sector use of geothermal energy and non-biomass waste. See Table 12.6.  
<sup>i</sup> 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.