

**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	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>		
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	1,042	76	152	107	2,212	5,321
1996 Total	1,995	1,207	3	524	97	232	9	12	1,062	80	152	125	2,297	5,510
1997 Total	2,040	1,214	3	534	95	234	10	13	1,073	80	143	131	2,317	5,582
1998 Total	2,064	1,193	2	537	91	238	12	14	1,105	93	158	116	2,367	5,635
1999 Total	2,062	1,198	3	555	100	245	11	14	1,125	97	148	119	2,417	5,687
2000 Total	2,156	1,246	3	579	104	254	10	14	1,133	87	162	106	2,452	5,864
2001 Total	2,088	1,193	2	597	94	243	11	13	1,149	90	145	125	2,467	5,759
2002 Total	2,095	1,231	2	586	96	237	6	12	1,181	97	125	121	2,464	5,803
2003 Total	2,136	1,196	2	610	93	231	8	11	1,186	96	138	134	2,510	5,854
2004 Total	2,160	1,201	2	632	95	240	10	12	1,209	107	155	136	2,596	5,969
2005 Total	2,182	1,183	2	639	90	246	10	12	1,208	106	164	135	2,613	5,990
2006 Total	2,147	1,170	2	645	85	240	8	11	1,216	106	122	147	2,582	5,911
2007 Total	2,172	1,246	2	647	89	238	5	12	1,208	100	129	143	2,573	6,002
2008 Total	2,140	1,255	2	610	85	226	2	11	1,139	93	111	126	2,404	5,811
2009 Total	1,876	1,233	2	R 555	83	204	3	10	1,126	87	91	107	R 2,268	R 5,388
2010 Total	1,986	1,292	2	R 583	86	210	3	11	1,110	82	96	115	R 2,297	R 5,586
2011 Total	1,876	1,311	2	R 592	80	209	2	10	1,077	79	82	114	R 2,247	R 5,446
2012 Total	1,657	1,372	2	R 569	84	206	1	9	1,071	79	66	110	R 2,197	R 5,237
2013 Total	1,718	1,409	2	R 573	92	210	1	10	1,086	77	57	116	R 2,224	R 5,363
2014 Total	1,714	1,440	2	R 606	87	216	1	10	1,095	76	46	108	R 2,247	R 5,411
2015 Total	1,480	1,483	1	R 598	91	227	1	11	1,125	76	47	112	R 2,290	R 5,265
2016 January	123	169	(s)	R 49	9	18	(s)	1	90	7	5	10	R 189	R 482
February	103	145	(s)	R 48	8	18	(s)	1	90	6	3	12	R 185	R 433
March	83	128	(s)	R 50	8	19	(s)	1	98	7	5	9	R 197	R 410
April	81	113	(s)	R 46	6	19	(s)	1	93	5	7	10	R 188	R 383
May	92	107	(s)	R 47	7	20	(s)	1	98	5	5	9	R 191	R 391
June	125	109	(s)	R 47	6	21	(s)	1	97	4	5	10	R 191	R 426
July	145	119	(s)	R 45	7	21	(s)	1	100	6	6	9	R 195	R 460
August	144	120	(s)	R 48	6	21	(s)	1	101	8	5	11	R 202	R 468
September	123	106	(s)	R 47	7	20	(s)	1	96	5	4	10	R 189	R 419
October	109	105	(s)	R 50	7	20	(s)	1	94	6	5	11	R 195	R 409
November	97	117	(s)	R 48	7	20	(s)	1	93	9	4	9	R 190	R 406
December	129	156	(s)	R 51	9	21	(s)	1	96	7	5	10	R 200	R 485
Total	1,354	1,494	1	R 576	88	237	1	11	1,144	76	59	120	R 2,313	R 5,172
2017 January	125	159	(s)	R 48	10	20	(s)	1	88	8	8	10	R 193	R 477
February	96	127	(s)	R 45	7	17	(s)	1	85	4	4	9	R 172	R 396
March	98	137	(s)	R 52	8	21	(s)	1	97	3	5	11	R 199	R 435
April	89	105	(s)	R 46	7	20	(s)	1	93	5	4	12	R 188	R 383
May	102	103	(s)	R 49	7	21	(s)	1	99	6	5	10	R 199	R 405
June	116	104	(s)	R 48	6	21	(s)	1	98	5	5	11	R 196	R 416
July	136	116	(s)	R 46	7	22	(s)	1	100	8	4	11	R 199	R 452
August	129	114	(s)	R 50	6	22	(s)	1	101	5	5	10	R 202	R 445
September	108	104	(s)	R 48	7	20	(s)	1	94	6	4	10	R 190	R 404
October	100	110	(s)	R 51	8	22	(s)	1	97	3	5	11	R 197	R 408
November	102	128	(s)	R 51	8	20	(s)	1	91	7	6	10	R 195	R 425
December	116	168	(s)	R 50	9	22	(s)	1	96	7	5	11	R 201	R 485
Total	1,316	1,474	1	R 584	90	247	1	10	1,140	70	61	126	R 2,330	R 5,131
2018 January	126	180	(s)	R 56	11	20	1	1	90	7	5	11	R 201	R 508
February	92	147	(s)	R 45	8	18	(s)	1	83	3	4	11	R 174	R 413
March	90	151	(s)	R 53	9	21	(s)	1	98	5	3	12	R 203	R 444
April	83	127	(s)	R 51	7	20	(s)	1	93	5	6	8	R 191	R 402
May	95	111	(s)	R 54	6	21	(s)	1	99	6	5	10	R 202	R 410
June	111	111	(s)	R 48	6	22	(s)	1	99	6	4	11	R 197	R 420
July	R 125	127	(s)	R 50	7	22	(s)	1	100	6	5	10	R 202	R 455
August	125	126	(s)	R 53	8	23	(s)	1	101	8	5	10	R 209	R 461
September	R 107	117	(s)	R 49	8	20	(s)	(s)	92	8	5	8	R 190	R 415
October	98	124	(s)	55	8	21	(s)	1	96	8	5	11	205	428
10-Month Total	1,051	1,321	1	515	79	209	1	8	951	63	47	102	1,975	4,356
2017 10-Month Total	1,099	1,178	1	483	73	205	1	8	953	55	51	105	1,934	4,221
2016 10-Month Total	1,129	1,220	1	477	72	197	1	9	955	60	49	101	1,923	4,281

<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.