

**Table 11.1 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	1,221	1,175	6	485	80	154	33	13	911	55	486	102	2,325	4,721
1975 Total	1,195	1,043	5	447	73	146	24	11	911	52	424	97	2,190	4,428
1980 Total	1,454	1,058	4	451	78	156	24	13	901	50	433	134	2,244	4,756
1985 Total	1,655	927	3	450	82	178	17	12	933	56	207	86	2,024	4,605
1990 Total	1,820	1,026	3	475	75	223	6	13	988	72	212	119	2,186	5,038
1995 Total	1,912	1,185	3	504	90	222	8	13	1,042	78	147	111	2,216	5,324
2000 Total	2,155	1,246	3	592	106	259	10	14	1,141	85	157	111	2,477	5,889
2005 Total	2,180	1,182	2	653	92	251	11	12	1,205	110	159	140	2,633	6,007
2006 Total	2,146	1,170	2	658	86	244	8	11	1,217	106	119	151	2,602	5,929
2007 Total	2,171	1,245	2	657	90	242	5	12	1,209	99	125	147	2,588	6,016
2008 Total	2,139	1,255	2	619	89	231	2	11	1,134	94	107	130	2,418	5,823
2009 Total	1,875	1,233	2	563	86	208	3	10	1,127	87	88	111	2,284	5,404
2010 Total	1,986	1,292	2	591	84	214	3	11	1,107	81	92	119	2,304	5,594
2011 Total	1,876	1,312	2	600	79	213	2	10	1,074	78	79	118	2,255	5,455
2012 Total	1,658	1,372	2	577	76	210	1	9	1,066	78	64	114	2,195	5,236
2013 Total	1,718	1,408	2	581	85	214	1	10	1,077	77	55	120	2,221	5,359
2014 Total	1,713	1,438	2	614	86	220	1	10	1,085	77	44	112	2,252	5,414
2015 Total	1,482	1,479	1	606	86	231	1	11	1,114	77	45	116	2,290	5,262
2016 Total	1,355	1,490	1	583	83	242	1	11	1,134	77	56	124	2,312	5,169
2017 Total	1,318	1,471	1	591	86	251	1	10	1,131	71	59	130	2,332	5,132
2018 Total	1,263	1,627	2	626	98	255	1	10	1,131	73	55	127	2,377	5,278
2019 Total	1,078	1,685	2	621	107	261	1	9	1,128	67	47	131	2,374	5,147
2020 Total	876	1,653	1	572	105	161	1	8	977	58	36	123	2,044	4,584
2021 January	90	181	(s)	52	13	14	(s)	1	80	5	4	9	178	450
February	95	168	(s)	47	10	12	(s)	1	73	3	3	8	157	420
March	71	143	(s)	53	10	15	(s)	1	88	5	4	11	186	401
April	62	123	(s)	51	8	16	(s)	1	88	4	2	13	183	369
May	72	114	(s)	51	8	16	(s)	1	93	7	4	10	190	377
June	94	121	(s)	50	8	18	(s)	1	93	6	5	9	189	405
July	110	131	(s)	48	8	19	(s)	1	95	4	5	10	190	432
August	110	132	(s)	52	8	20	(s)	1	94	6	5	9	196	438
September	88	115	(s)	51	8	18	(s)	1	89	5	5	9	186	390
October	73	122	(s)	52	9	19	(s)	1	92	5	5	11	194	389
November	67	145	(s)	53	10	19	(s)	1	89	5	6	8	191	404
December	70	163	(s)	52	12	19	(s)	1	91	6	6	9	196	430
Total	1,003	1,656	1	611	111	205	1	9	1,067	60	54	116	2,235	4,905
2022 January	96	194	(s)	54	12	18	(s)	1	83	5	4	9	186	476
February	80	165	(s)	52	10	16	(s)	1	80	4	4	8	175	421
March	70	150	(s)	55	9	19	(s)	1	93	5	5	9	196	417
April	63	127	(s)	50	7	19	(s)	1	88	4	4	9	182	373
May	70	121	(s)	51	6	20	(s)	1	94	4	5	10	190	382
June	83	125	(s)	51	6	21	(s)	1	90	4	5	9	187	395
July	96	140	(s)	49	7	20	(s)	(s)	91	7	5	10	188	425
August	94	138	(s)	51	6	21	(s)	1	93	5	5	10	194	428
September	74	124	(s)	52	6	19	(s)	1	88	5	7	9	187	386
October	64	127	(s)	54	7	20	(s)	1	90	4	4	9	190	382
November	66	149	(s)	51	9	19	(s)	1	88	6	5	9	188	404
December	82	183	(s)	50	10	20	(s)	1	88	4	4	9	186	452
Total	939	1,742	2	619	96	233	1	9	1,065	57	57	111	2,249	4,941
2023 January	71	179	(s)	51	10	19	(s)	1	85	2	4	9	182	433
February	56	159	(s)	47	9	17	(s)	1	81	4	5	8	172	388
March	59	163	(s)	54	9	20	(s)	(s)	92	6	4	9	194	417
April	48	131	(s)	49	7	20	(s)	1	90	6	2	9	184	364
May	53	125	(s)	51	7	21	(s)	1	93	4	3	10	191	370
June	67	127	(s)	50	7	21	(s)	1	92	3	4	9	187	382
July	87	144	(s)	48	7	22	(s)	1	93	3	4	10	187	418
August	86	144	(s)	54	6	22	(s)	1	95	6	5	10	199	430
September	68	128	(s)	49	6	21	(s)	1	88	7	3	9	184	381
October	61	132	(s)	53	8	21	(s)	1	93	5	4	9	194	388
November	61	153	(s)	51	9	20	(s)	(s)	88	8	5	9	190	404
11-Month Total	717	1,584	1	557	85	226	1	7	990	53	43	101	2,065	4,376
2022 11-Month Total	856	1,559	1	570	86	213	1	8	977	52	53	102	2,063	4,489
2021 11-Month Total	932	1,493	1	559	100	186	1	8	975	54	48	107	2,039	4,475

<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 11.6.

<sup>i</sup> Excludes emissions from biomass energy consumption. See Table 11.7.

(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 11 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 11.7 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.