

**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
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 Total	1,003	1,656	1	611	111	205	1	9	1,067	60	54	116	2,235	4,906
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	381
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	7	19	(s)	1	88	5	7	9	187	385
October	64	127	(s)	54	8	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	<sup>R</sup> 939	1,742	2	619	97	233	1	9	1,065	57	57	111	2,250	4,939
2023 January	71	179	(s)	51	10	19	(s)	1	85	2	4	9	182	433
February	56	160	(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	363
May	53	125	(s)	51	7	21	(s)	1	93	4	3	10	191	369
June	67	128	(s)	50	7	21	(s)	1	92	3	4	9	187	382
July	86	144	(s)	48	7	22	(s)	1	93	3	4	10	187	418
August	85	144	(s)	54	6	22	(s)	1	95	6	5	10	199	429
September	68	128	(s)	49	6	21	(s)	1	88	7	3	9	184	381
October	<sup>R</sup> 60	132	(s)	53	8	21	(s)	1	93	5	4	9	194	<sup>R</sup> 386
November	60	153	(s)	51	10	20	(s)	(s)	88	8	5	9	190	<sup>R</sup> 403
December	64	171	(s)	47	10	21	(s)	(s)	91	3	5	9	187	423
Total	<sup>R</sup> 777	1,756	1	605	96	247	2	7	1,081	56	47	111	2,253	<sup>R</sup> 4,793
2024 January	83	200	(s)	51	12	20	(s)	1	85	4	4	9	184	468
February	54	161	(s)	48	9	19	(s)	(s)	83	2	4	8	173	388
March	47	151	(s)	48	9	21	(s)	1	91	2	5	9	186	384
3-Month Total	184	512	(s)	147	30	59	(s)	2	259	9	12	26	543	1,240
2023 3-Month Total	186	501	(s)	152	28	57	1	2	258	12	13	26	548	1,237
2022 3-Month Total	245	509	(s)	160	31	54	(s)	3	256	13	14	26	557	1,313

<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 and renewable diesel fuel.

<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.

<sup>R</sup>=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 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.