

Table 11.1 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	1,221	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	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	R 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	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	60	132	(s)	53	8	21	(s)	1	93	5	4	9	194	386
November	60	153	(s)	51	10	20	(s)	(s)	88	8	5	9	190	403
December	64	171	(s)	47	10	21	(s)	(s)	91	3	5	9	187	423
Total	777	1,756	1	605	96	247	2	7	1,081	56	47	111	2,253	4,793
2024 January	83	200	(s)	51	12	20	(s)	1	85	4	4	9	184	468
February	R 53	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
April	44	129	(s)	48	7	21	(s)	1	88	7	4	8	185	359
4-Month Total	227	641	(s)	195	37	80	1	2	347	15	17	34	728	1,598
2023 4-Month Total	234	632	(s)	201	35	77	1	2	348	18	15	35	733	1,600
2022 4-Month Total	308	636	(s)	211	38	73	(s)	3	343	18	18	35	740	1,686

^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 and renewable diesel fuel.

^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 11.6.

ⁱ Through 2011, excludes emissions from biomass energy consumption. Beginning in 2012, excludes emissions from biomass energy consumption except small amounts of emissions from "other biofuels." See "Biomass" and "Other Biofuels" in Glossary. See Table 11.7 for energy-related carbon dioxide emissions from wood, biomass waste, fuel ethanol (minus denaturant), and biodiesel.

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 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. • Through 2011, data exclude emissions from biomass energy consumption; beginning in 2012, data exclude emissions from biomass energy consumption except small amounts of emissions from "other biofuels." See "Biomass" and "Other Biofuels" in Glossary. 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.