

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	R 1,221	R 1,175	6	R 485	80	R 154	R 33	13	911	55	R 486	R 102	R 2,325	R 4,721
1975 Total	R 1,195	R 1,043	5	R 447	73	146	24	11	911	52	R 424	R 97	R 2,190	R 4,428
1980 Total	R 1,454	R 1,058	4	R 451	78	156	24	13	R 901	50	R 433	R 134	R 2,244	R 4,756
1985 Total	R 1,655	927	3	R 450	82	178	17	12	R 933	56	R 207	R 86	R 2,024	R 4,605
1990 Total	R 1,820	R 1,026	3	R 475	75	223	6	13	988	72	R 212	R 119	R 2,185	R 5,038
1995 Total	R 1,912	R 1,185	3	R 504	90	222	8	13	1,042	R 77	R 147	R 111	R 2,216	R 5,324
2000 Total	R 2,155	R 1,246	3	R 592	106	R 259	10	14	R 1,141	85	R 157	R 111	R 2,477	R 5,889
2005 Total	R 2,180	R 1,182	2	R 653	92	R 251	R 11	12	R 1,205	110	R 159	R 140	R 2,633	R 6,007
2006 Total	R 2,146	R 1,170	2	R 658	86	R 244	8	11	R 1,217	106	R 119	R 151	R 2,602	R 5,929
2007 Total	R 2,171	R 1,245	2	R 657	90	R 242	5	12	R 1,209	99	R 125	R 147	R 2,587	R 6,016
2008 Total	R 2,139	R 1,255	2	R 619	89	R 231	2	11	R 1,134	94	R 107	R 130	R 2,418	R 5,823
2009 Total	R 1,875	R 1,233	2	R 563	86	R 208	3	10	R 1,127	87	R 88	R 111	R 2,283	R 5,404
2010 Total	R 1,986	R 1,292	2	R 591	R 84	R 214	3	11	R 1,107	81	R 92	R 119	R 2,304	R 5,594
2011 Total	R 1,876	R 1,312	2	R 600	79	R 213	2	10	R 1,074	78	R 79	R 118	R 2,255	R 5,455
2012 Total	R 1,658	R 1,372	2	R 577	R 75	R 210	1	9	R 1,066	78	R 64	R 114	R 2,195	R 5,236
2013 Total	R 1,718	R 1,408	2	R 581	85	R 214	1	10	R 1,077	77	R 55	R 120	R 2,221	R 5,359
2014 Total	R 1,713	R 1,438	2	R 614	86	R 220	1	10	R 1,085	77	R 44	R 112	R 2,251	R 5,414
2015 Total	R 1,482	R 1,479	1	R 606	R 86	R 231	1	11	R 1,114	77	R 45	R 116	R 2,290	R 5,262
2016 Total	R 1,355	R 1,490	1	R 583	83	R 242	1	11	R 1,134	77	R 56	R 124	R 2,313	R 5,169
2017 Total	R 1,318	R 1,471	1	R 591	R 85	R 251	1	10	R 1,131	71	R 59	R 130	R 2,331	R 5,131
2018 Total	R 1,263	R 1,626	2	R 626	98	R 255	1	10	R 1,131	73	R 55	R 127	R 2,377	R 5,277
2019 January	110	R 185	(s)	R 56	13	R 21	(s)	1	91	6	5	11	202	499
February	90	R 163	(s)	R 50	11	18	(s)	1	R 84	2	4	7	177	432
March	89	R 158	(s)	R 54	10	R 22	(s)	1	95	6	3	10	R 200	448
April	69	R 119	(s)	R 51	R 7	R 22	(s)	1	R 94	4	3	R 12	R 194	383
May	81	R 115	(s)	R 53	7	R 23	(s)	1	98	6	3	12	R 202	R 399
June	89	R 114	(s)	49	7	22	(s)	1	97	7	5	10	R 198	R 402
July	R 110	R 129	(s)	R 50	7	23	(s)	1	R 98	8	5	10	202	442
August	103	R 131	(s)	R 52	7	23	(s)	1	102	6	5	12	R 208	443
September	94	R 119	(s)	R 49	7	21	(s)	1	92	5	R 4	11	R 190	403
October	76	R 124	(s)	54	9	22	(s)	1	96	4	5	R 12	202	404
November	84	R 150	(s)	R 53	10	21	(s)	1	R 91	6	3	11	R 197	432
December	82	R 171	(s)	50	11	23	(s)	1	R 92	7	4	R 12	200	455
Total	R 1,078	R 1,681	2	R 621	105	R 261	1	9	R 1,128	67	R 47	R 131	R 2,372	R 5,141
2020 January	75	R 178	(s)	R 52	R 11	21	(s)	1	R 90	5	R 3	11	194	448
February	66	R 164	(s)	R 49	9	19	(s)	1	87	5	R 3	12	R 185	R 416
March	60	R 146	(s)	R 51	10	R 18	(s)	R 1	R 80	5	R 1	R 13	R 179	R 386
April	49	R 121	(s)	R 44	7	8	(s)	1	59	3	R 1	10	133	R 304
May	55	R 112	(s)	R 44	7	R 8	(s)	1	74	4	1	11	R 150	R 317
June	73	R 115	(s)	43	6	R 10	(s)	1	R 82	4	3	R 10	R 159	348
July	R 97	135	(s)	R 46	7	12	(s)	1	R 87	5	5	R 10	R 173	R 405
August	98	R 130	(s)	R 47	7	13	(s)	1	88	7	R 4	10	177	406
September	77	R 117	(s)	47	R 8	11	(s)	1	R 85	R 6	5	8	R 170	R 365
October	69	R 125	(s)	R 52	9	13	(s)	1	86	4	4	8	176	371
November	70	132	(s)	48	10	14	(s)	1	R 79	6	3	9	170	372
December	86	R 171	(s)	R 50	13	R 15	(s)	1	R 80	5	3	10	R 177	435
Total	R 875	R 1,647	1	R 572	R 104	R 161	1	8	R 977	58	R 36	R 123	R 2,042	R 4,575
2021 January	90	178	(s)	R 52	13	14	(s)	1	R 79	5	4	8	175	444
February	94	R 164	(s)	R 47	10	R 13	(s)	1	R 72	3	R 3	7	156	R 416
March	71	141	(s)	R 53	10	R 15	(s)	1	R 88	4	4	11	186	399
April	63	R 121	(s)	50	8	R 16	(s)	1	R 88	4	2	12	181	366
May	72	R 113	(s)	R 51	8	R 17	(s)	1	R 94	6	4	10	190	376
June	95	120	(s)	50	8	18	(s)	1	92	6	5	9	188	403
6-Month Total	485	838	1	302	57	92	1	4	513	28	22	57	1,076	2,404
2020 6-Month Total	379	837	1	283	50	84	1	4	472	26	12	67	999	2,221
2019 6-Month Total	528	855	1	313	54	127	1	5	557	31	21	63	1,173	2,562

^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.

^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 Excludes emissions from biomass energy consumption. See Table 11.7.

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 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.

Historical revisions are due to revised CO2 factors. See "Section 11 Methodology and Sources," Step 4, at end of section.