

**Table 11.4 Carbon Dioxide Emissions From Energy Consumption: Industrial Sector**  
(Million Metric Tons of Carbon Dioxide<sup>a</sup>)

	Coal	Coal Coke Net Imports	Natural Gas <sup>b</sup>	Petroleum								Elec- tricity <sup>g</sup>	Total <sup>h</sup>	
				Distillate Fuel Oil <sup>c</sup>	HGL <sup>d</sup>	Kero- sene	Lubri- cants	Motor Gasoline <sup>e</sup>	Petroleum Coke	Residual Fuel Oil	Other <sup>f</sup>			Total
1973 Total	373	-1	533	107	31	11	7	18	54	139	102	471	515	1,891
1975 Total	338	2	437	98	30	9	6	16	52	113	97	420	490	1,687
1980 Total	291	-4	427	97	52	13	7	11	50	101	134	465	604	1,782
1985 Total	257	-2	361	82	54	3	6	16	55	56	86	358	587	1,561
1990 Total	258	1	435	85	45	1	7	13	69	31	119	369	636	1,699
1995 Total	232	7	492	83	57	1	7	14	69	25	111	368	658	1,757
2000 Total	211	7	486	89	61	1	7	11	75	18	111	373	717	1,795
2005 Total	182	5	405	94	49	3	6	25	86	21	140	423	671	1,687
2010 Total	152	-1	428	85	42	1	5	17	67	9	119	345	587	1,512
2011 Total	146	1	438	91	39	(s)	5	17	64	10	118	344	574	1,503
2012 Total	142	(s)	455	94	42	(s)	4	17	69	5	114	346	543	1,486
2013 Total	145	-2	472	94	46	(s)	5	17	64	4	120	349	542	1,505
2014 Total	144	-2	487	101	45	(s)	5	14	65	3	112	345	543	1,516
2015 Total	129	-2	486	87	48	(s)	5	17	66	2	116	342	502	1,457
2016 Total	113	-2	496	86	46	(s)	5	17	65	4	124	347	472	1,426
2017 Total	112	-3	509	89	48	(s)	5	17	61	4	130	354	461	1,432
2018 Total	111	-3	532	93	54	(s)	5	18	62	3	127	362	458	1,459
2019 Total	105	-2	540	89	60	(s)	4	18	60	3	131	364	425	1,432
2020 Total	88	-1	530	79	60	(s)	4	18	49	2	123	336	374	1,326
2021 Total	97	-6	539	88	67	(s)	4	17	51	3	116	347	408	1,385
2022 January	8	-1	52	9	5	(s)	(s)	1	4	(s)	9	28	36	123
February	8	(s)	46	8	4	(s)	(s)	1	3	(s)	8	25	30	108
March	8	-1	48	9	4	(s)	(s)	2	4	(s)	9	29	29	114
April	8	-1	45	7	4	(s)	(s)	2	4	(s)	9	26	28	107
May	8	-1	44	6	4	(s)	(s)	2	3	(s)	10	25	32	109
June	8	(s)	43	7	5	(s)	(s)	2	3	(s)	9	27	36	112
July	8	-1	44	5	5	(s)	(s)	2	6	(s)	10	28	39	118
August	8	(s)	44	7	5	(s)	(s)	2	5	(s)	10	28	39	119
September	7	-1	43	8	5	(s)	(s)	1	4	(s)	9	29	33	112
October	8	(s)	45	9	4	(s)	(s)	2	3	(s)	9	27	32	111
November	8	(s)	47	8	4	(s)	(s)	1	5	(s)	9	28	31	113
December	8	-1	49	5	4	(s)	(s)	2	3	(s)	9	23	33	112
Total	93	-6	549	89	52	(s)	4	18	48	3	111	325	400	1,360
2023 January	8	(s)	49	8	4	(s)	(s)	1	2	(s)	9	25	29	111
February	7	(s)	45	6	3	(s)	(s)	1	3	(s)	8	23	26	101
March	8	(s)	49	9	3	(s)	(s)	2	5	(s)	9	29	29	113
April	7	(s)	46	7	4	(s)	(s)	2	5	(s)	9	28	26	106
May	7	(s)	45	7	4	(s)	(s)	2	4	(s)	10	28	30	109
June	7	(s)	43	7	5	(s)	(s)	2	3	(s)	9	26	34	110
July	7	(s)	44	5	5	(s)	(s)	2	2	(s)	10	24	39	114
August	7	(s)	45	9	5	(s)	(s)	2	5	(s)	10	31	39	121
September	7	(s)	44	7	5	(s)	(s)	1	6	(s)	9	29	33	112
October	7	(s)	46	8	5	(s)	(s)	2	4	(s)	9	29	32	113
November	7	(s)	48	8	5	(s)	(s)	1	8	(s)	9	31	31	117
December	7	-1	51	5	5	(s)	(s)	2	3	(s)	9	23	30	111
Total	86	-4	554	87	53	(s)	3	18	51	3	111	326	377	1,339
2024 January	7	(s)	51	8	5	(s)	(s)	1	4	(s)	9	27	34	118
February	7	(s)	46	7	4	(s)	(s)	1	2	(s)	8	23	25	101
March	7	(s)	48	5	4	(s)	(s)	2	2	(s)	9	23	25	103
April	7	-1	45	6	4	(s)	(s)	2	6	(s)	8	27	25	103
4-Month Total	28	-1	190	26	17	(s)	1	6	14	1	34	99	110	425
2023 4-Month Total	30	-1	188	30	15	(s)	1	6	16	1	35	104	109	431
2022 4-Month Total	32	-2	191	34	17	(s)	2	6	15	1	35	109	123	452

<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> Natural gas, excluding supplemental gaseous fuels.

<sup>c</sup> Distillate fuel oil, excluding biodiesel and renewable diesel fuel.

<sup>d</sup> Hydrocarbon gas liquids.

<sup>e</sup> Finished motor gasoline, excluding fuel ethanol.

<sup>f</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>g</sup> Emissions from energy consumption (for electricity and a small amount of useful thermal output) in the electric power sector are allocated to the end-use sectors in proportion to each sector's share of total electricity sales to ultimate customers. See Tables 7.6 and 11.6.

<sup>h</sup> 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.

(s)=Less than 0.5 million metric tons and greater 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.