

**Table 12.4 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								Retail 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	371	-1	536	106	28	11	7	18	53	142	97	463	515	1,884
1975 Total	336	2	440	97	27	9	6	16	51	115	93	413	490	1,680
1980 Total	289	-4	430	96	54	13	7	11	49	103	129	461	601	1,776
1985 Total	256	-2	363	81	55	3	6	15	54	57	86	358	583	1,558
1990 Total	258	1	435	84	46	1	7	13	67	32	114	363	638	1,695
1995 Total	233	7	492	82	58	1	7	14	68	25	107	362	659	1,752
1996 Total	227	3	508	86	59	1	6	14	72	25	125	389	678	1,804
1997 Total	224	5	509	88	58	1	7	15	70	22	131	392	694	1,824
1998 Total	219	8	500	88	56	2	7	14	80	16	116	379	706	1,811
1999 Total	208	7	480	86	57	1	7	11	85	14	119	381	704	1,780
2000 Total	211	7	486	87	58	1	7	11	77	17	106	364	719	1,787
2001 Total	204	3	444	94	51	2	6	21	79	14	125	392	667	1,712
2002 Total	188	7	453	88	52	1	6	22	79	13	121	382	654	1,684
2003 Total	190	6	435	85	48	2	6	23	78	15	134	391	672	1,694
2004 Total	190	16	438	88	52	2	6	26	85	17	136	413	674	1,732
2005 Total	183	5	406	92	48	3	6	25	82	20	135	410	672	1,677
2006 Total	179	7	408	91	47	2	6	26	85	16	147	421	650	1,664
2007 Total	175	3	418	91	50	1	6	21	83	13	143	408	662	1,666
2008 Total	168	5	419	98	38	(s)	6	17	78	13	126	375	642	1,608
2009 Total	131	-3	395	78	38	(s)	5	16	73	9	107	327	550	1,400
2010 Total	153	-1	427	84	43	1	5	17	68	8	115	342	587	1,508
2011 Total	146	1	438	90	39	(s)	5	17	65	9	114	340	574	1,498
2012 Total	141	(s)	455	93	50	(s)	4	17	70	5	110	349	543	1,489
2013 Total	145	-2	472	92	53	(s)	5	17	65	3	116	351	542	1,508
2014 Total	143	-2	488	100	45	(s)	5	14	64	3	108	339	543	1,511
2015 Total	129	-2	487	85	53	(s)	5	17	65	2	112	340	502	1,456
2016 January	10	(s)	46	8	6	(s)	(s)	1	6	(s)	10	32	39	126
February	10	(s)	42	8	5	(s)	(s)	1	5	(s)	12	33	34	119
March	10	(s)	43	9	4	(s)	(s)	1	6	(s)	9	30	32	115
April	9	(s)	40	6	4	(s)	(s)	1	4	(s)	10	27	33	109
May	9	(s)	40	6	4	(s)	(s)	1	4	(s)	9	25	37	111
June	9	(s)	38	6	3	(s)	(s)	1	3	(s)	10	25	44	116
July	9	(s)	40	4	4	(s)	(s)	2	5	(s)	9	24	47	121
August	9	(s)	41	7	4	(s)	(s)	2	7	(s)	11	31	47	127
September	9	(s)	39	7	4	(s)	(s)	1	4	(s)	10	27	41	117
October	9	(s)	40	7	4	(s)	(s)	1	5	(s)	11	30	39	118
November	9	(s)	42	8	4	(s)	(s)	1	8	(s)	9	30	36	117
December	10	(s)	46	7	5	(s)	(s)	1	6	(s)	10	31	40	127
Total	113	-2	497	84	51	(s)	5	17	64	4	120	345	473	1,426
2017 January	9	(s)	46	7	6	(s)	(s)	1	7	1	10	32	38	125
February	9	(s)	41	7	4	(s)	(s)	1	3	(s)	9	26	33	108
March	9	(s)	44	9	5	(s)	(s)	1	3	(s)	11	30	35	119
April	9	(s)	41	6	4	(s)	(s)	1	5	(s)	12	28	34	112
May	9	(s)	41	8	4	(s)	(s)	2	6	(s)	10	29	38	117
June	9	(s)	40	6	3	(s)	(s)	1	4	(s)	11	27	41	116
July	9	(s)	41	5	4	(s)	(s)	2	7	(s)	11	29	45	124
August	9	(s)	41	7	4	(s)	(s)	2	5	(s)	10	28	44	122
September	9	(s)	40	7	4	(s)	(s)	1	5	(s)	10	29	39	116
October	9	(s)	42	8	4	(s)	(s)	1	3	(s)	11	28	37	117
November	9	(s)	44	8	5	(s)	(s)	1	6	(s)	10	32	37	122
December	10	(s)	48	6	5	(s)	(s)	1	6	(s)	11	31	39	127
Total	112	-3	509	85	52	(s)	5	17	60	4	126	348	461	1,426
2018 January	9	(s)	49	10	6	(s)	(s)	1	6	(s)	11	35	37	129
February	9	(s)	44	7	5	(s)	(s)	1	3	(s)	11	28	31	111
March	9	(s)	46	10	5	(s)	(s)	1	5	(s)	12	33	33	121
April	9	(s)	44	8	4	(s)	(s)	1	5	(s)	8	28	31	112
May	9	(s)	43	10	3	(s)	(s)	2	5	(s)	10	31	37	120
June	9	(s)	42	7	3	(s)	(s)	1	6	(s)	11	29	38	117
July	9	(s)	43	7	4	(s)	(s)	2	5	(s)	10	28	43	123
August	9	(s)	43	9	4	(s)	(s)	2	7	(s)	10	33	43	129
September	9	(s)	42	8	4	(s)	(s)	1	7	(s)	8	29	39	119
October	10	(s)	44	10	5	(s)	(s)	1	7	(s)	11	35	37	126
10-Month Total	92	-2	440	86	44	(s)	4	14	55	3	102	309	369	1,208
2017 10-Month Total	93	-3	416	70	42	(s)	4	14	47	3	105	286	384	1,175
2016 10-Month Total	94	-1	409	70	41	(s)	4	15	50	3	101	283	394	1,179

<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.

<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 retail sales. See Tables 7.6 and 12.6.

<sup>h</sup> Excludes emissions from biomass energy consumption. See Table 12.7.

R=Revised. (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 12 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 12.7 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.