

**Table 11.3 Carbon Dioxide Emissions From Energy Consumption: Commercial Sector**  
(Million Metric Tons of Carbon Dioxide<sup>a</sup>)

	Coal	Natural Gas <sup>b</sup>	Petroleum							Electricity <sup>f</sup>	Total <sup>g</sup>
			Distillate Fuel Oil <sup>c</sup>	HGL <sup>d</sup>	Kerosene	Motor Gasoline <sup>e</sup>	Petroleum Coke	Residual Fuel Oil	Total		
<b>1973 Total</b> .....	15	140	48	9	5	6	NA	50	118	334	607
<b>1975 Total</b> .....	14	136	43	8	4	6	NA	37	98	334	582
<b>1980 Total</b> .....	11	141	38	6	3	8	NA	42	97	414	662
<b>1985 Total</b> .....	13	132	47	6	2	7	NA	17	79	484	708
<b>1990 Total</b> .....	12	142	40	6	1	8	0	17	72	564	790
<b>1995 Total</b> .....	11	164	35	7	2	1	(s)	11	56	619	850
<b>2000 Total</b> .....	9	173	37	9	2	3	(s)	7	58	781	1,021
<b>2005 Total</b> .....	9	163	33	8	2	3	(s)	9	55	840	1,067
<b>2010 Total</b> .....	7	168	29	9	(s)	3	(s)	5	46	804	1,025
<b>2011 Total</b> .....	6	171	29	9	(s)	3	(s)	4	45	768	990
<b>2012 Total</b> .....	4	157	26	9	(s)	3	(s)	2	40	731	932
<b>2013 Total</b> .....	4	179	25	10	(s)	3	(s)	2	40	736	958
<b>2014 Total</b> .....	4	189	26	10	(s)	4	(s)	1	41	736	970
<b>2015 Total</b> .....	3	175	27	9	(s)	25	(s)	(s)	61	692	932
<b>2016 Total</b> .....	2	171	24	9	(s)	25	(s)	(s)	59	661	893
<b>2017 Total</b> .....	2	173	24	10	(s)	24	(s)	(s)	58	633	866
<b>2018 Total</b> .....	2	193	24	11	(s)	24	(s)	(s)	59	632	886
<b>2019 Total</b> .....	2	193	24	11	(s)	24	(s)	(s)	60	578	832
<b>2020 Total</b> .....	1	173	20	13	(s)	24	(s)	(s)	58	502	735
<b>2021 Total</b> .....	1	180	24	14	(s)	25	(s)	(s)	63	542	787
<b>2022 January</b> .....	(s)	30	3	2	(s)	2	(s)	(s)	8	48	86
February .....	(s)	25	4	1	(s)	2	(s)	(s)	8	40	73
March .....	(s)	21	3	1	(s)	3	(s)	(s)	7	38	66
April .....	(s)	15	2	1	(s)	2	(s)	(s)	5	36	56
May .....	(s)	10	2	1	(s)	3	(s)	(s)	5	42	57
June .....	(s)	8	1	1	(s)	2	(s)	(s)	4	49	61
July .....	(s)	8	1	1	(s)	2	(s)	(s)	4	58	70
August .....	(s)	8	1	1	(s)	3	0	(s)	4	57	69
September .....	(s)	8	1	1	(s)	2	(s)	(s)	4	48	60
October .....	(s)	12	2	1	(s)	2	0	(s)	5	42	59
November .....	(s)	19	2	1	(s)	2	(s)	(s)	6	40	65
December .....	(s)	27	3	2	(s)	2	(s)	(s)	7	46	80
<b>Total</b> .....	1	192	25	13	(s)	29	(s)	(s)	67	545	805
<b>2023 January</b> .....	(s)	26	3	2	(s)	2	(s)	(s)	7	41	75
February .....	(s)	23	4	1	(s)	2	(s)	(s)	7	35	R 66
March .....	(s)	23	3	1	(s)	3	(s)	(s)	7	38	68
April .....	(s)	14	2	1	(s)	2	0	(s)	5	33	52
May .....	(s)	10	2	1	(s)	3	0	(s)	5	38	53
June .....	(s)	8	1	1	(s)	3	0	(s)	4	46	59
July .....	(s)	8	1	1	(s)	3	0	(s)	4	57	69
August .....	(s)	8	1	1	(s)	3	0	(s)	4	57	69
September .....	(s)	8	1	1	(s)	2	0	(s)	4	47	R 59
October .....	(s)	12	2	1	(s)	3	0	(s)	5	42	60
November .....	(s)	19	2	1	(s)	2	0	(s)	6	40	65
December .....	(s)	23	3	1	(s)	2	(s)	(s)	7	41	71
<b>Total</b> .....	1	183	24	12	(s)	29	(s)	(s)	66	516	766
<b>2024 January</b> .....	(s)	29	3	2	(s)	2	(s)	(s)	7	48	84
February .....	(s)	23	4	1	(s)	2	(s)	(s)	7	35	65
March .....	(s)	19	3	1	(s)	2	0	(s)	6	34	59
April .....	(s)	14	2	1	(s)	2	0	(s)	5	33	51
May .....	(s)	10	1	1	(s)	3	(s)	(s)	5	39	54
June .....	(s)	8	1	1	(s)	2	(s)	(s)	4	47	60
July .....	(s)	8	1	1	(s)	3	0	(s)	4	55	67
August .....	(s)	8	1	1	(s)	3	0	(s)	4	54	66
September .....	(s)	9	1	1	(s)	2	0	(s)	4	46	59
October .....	(s)	12	2	1	(s)	3	0	(s)	5	41	58
<b>10-Month Total</b> .....	1	139	19	9	(s)	25	(s)	(s)	53	431	623
<b>2023 10-Month Total</b> .....	1	141	19	9	(s)	24	(s)	(s)	53	435	630
<b>2022 10-Month Total</b> .....	1	146	20	10	(s)	24	(s)	(s)	54	457	658

<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> 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>g</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.

R=Revised. NA=Not available. (s)=Less than 0.5 million metric tons.

Notes: • Data are estimates for carbon dioxide emissions from energy consumption. 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.