Table 11.6 Carbon Dioxide Emissions From Energy Consumption: Electric Power Sector

(Million Metric Tons of Carbon Dioxidea)

			Petroleum						
	Coal	Natural Gas ^b	Distillate Fuel Oil ^c	Petroleum Coke	Residual Fuel Oil	Total	Geo- thermal	Non- Biomass Waste ^d	Total ^e
1973 Total 1975 Total 1975 Total 1980 Total 1995 Total 1990 Total 1995 Total 2000 Total 2001 Total 2011 Total 2012 Total 2014 Total 2015 Total 2016 Total 2017 Total 2019 Total 2019 Total 2019 Total 2019 Total 2019 Total	824 836 1,153 1,383 1,547 1,660 1,926 1,983 1,828 1,723 1,512 1,571 1,568 1,351 1,242 1,207 1,153 974 788 910 851	199 172 200 166 175 228 281 319 400 409 493 444 443 525 545 506 578 617 635 613	20 17 12 6 7 8 13 9 6 5 4 4 6 5 4 4 6 6	2 (s) 1 1 3 8 10 24 14 14 9 13 12 11 12 10 10 8 9 9	242 221 185 75 87 43 65 66 12 7 6 6 7 7 5 5	264 237 198 82 98 59 98 31 26 18 22 25 24 21 19 22 16 18 21	NA NA NA (S)	NA NA NA NA 10 10 11 11 11 11 11 11 11 11 11 11	1,286 1,245 1,551 1,631 1,826 1,957 2,306 2,412 2,270 2,170 2,035 2,049 2,048 1,912 1,820 1,743 1,765 1,618 1,450 1,553 1,539
Populary February February March April May June July August September October November December Total	64 48 52 41 46 60 80 79 61 53 53 58 694	R 53 47 51 47 54 64 80 65 55 52 56 704	(s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	1 (s) (s) (s) (s) (s) 1 1 (s) (s) (s)	(s) 1 (s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	1 1 1 1 1 2 2 1 1 1 1 1 1	(s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	1 1 1 1 1 1 1 1 1 1 1 1	118 R 98 104 90 101 126 162 161 129 110 107 115 1,421
2024 January February March April May June July August September October November December Total 2025 January February	76 47 40 38 47 62 73 71 57 49 48 64 672 83	62 50 50 48 57 68 84 81 67 58 54 56 735	1 (s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	(s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	1 (s) (s) (s) (s) (s) (s) (s) 5 5 1 (s)	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(s) (s) (s) (s) (s) (s) (s) (s) (s) (s)	1 1 1 1 1 1 1 1 1 1 7	141 98 92 88 106 132 158 154 125 109 103 122 1,429
March April May June 6-Month Total	50 47 50 66 358	45 46 53 66 323	(s) (s) (s) (s) 3	(s) (s) (s) 1 3	(s) (s) (s) (s) 3	1 1 1 1 9	(S) (S) (S) (S) (S)	1 1 1 1 1 3	97 94 105 134 693
2024 6-Month Total 2023 6-Month Total	311 311	335 316	2 2	2 3	2 2	7 7	(s) (s)	3 3	656 637

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/monthlu/ffcov/represent

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.

 ^a Metric tons of carbon dioxide can be converted to metric tons of carbon equivalent by multiplying by 12/44.
 ^b Natural gas, excluding supplemental gaseous fuels.
 ^c Distillate fuel oil, excluding biodiesel and renewable diesel fuel.
 ^d Municipal solid waste from non-biogenic sources, and tire-derived fuels.
 Through 1994, also includes blast furnace gas, and other manufactured and waste

Infrough 1994, also includes blast turnace gas, and other manufactured and waste gases derived from fossil fuels.

^o 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