

Table 12.6 Nitrous Oxide Emissions, 1980-2006
(Thousand Metric Tons of Nitrous Oxide)

| Year | Energy Sources | | | Waste Management | | | Agricultural Sources | | | | Industrial Processes ³ | Total |
|-------------------|--------------------------------|------------------------------------|-------|------------------|----------------------------|-------|---------------------------------|----------------------|-------------------------------------|-------|-----------------------------------|--------|
| | Mobile Combustion ¹ | Stationary Combustion ² | Total | Waste Combustion | Human Sewage in Wastewater | Total | Nitrogen Fertilization of Soils | Crop Residue Burning | Solid Waste of Domesticated Animals | Total | | |
| 1980 | 60 | 43 | 102 | (s) | 13 | 13 | 499 | 1 | 265 | 766 | 88 | 969 |
| 1981 | 63 | 42 | 105 | (s) | 13 | 14 | 515 | 2 | 267 | 783 | 85 | 987 |
| 1982 | 67 | 40 | 107 | (s) | 13 | 14 | 486 | 2 | 266 | 754 | 81 | 955 |
| 1983 | 71 | 41 | 112 | (s) | 14 | 14 | 441 | 1 | 265 | 707 | 80 | 913 |
| 1984 | 86 | 43 | 130 | (s) | 14 | 14 | 500 | 2 | 260 | 762 | 88 | 993 |
| 1985 | 98 | 43 | 141 | (s) | 15 | 15 | 619 | 2 | 252 | 872 | 89 | 1,117 |
| 1986 | 107 | 43 | 150 | (s) | 15 | 15 | 597 | 2 | 244 | 842 | 87 | 1,094 |
| 1987 | 120 | 44 | 164 | 1 | 15 | 16 | 582 | 1 | 238 | 822 | 91 | 1,093 |
| 1988 | 138 | 46 | 183 | 1 | 15 | 16 | 539 | 1 | 235 | 775 | 96 | 1,071 |
| 1989 | 146 | 46 | 192 | (s) | 15 | 16 | 586 | 2 | 229 | 817 | 99 | 1,124 |
| 1990 | 126 | 45 | 172 | 1 | 16 | 17 | R632 | 2 | 209 | R843 | 96 | 1,127 |
| 1991 | 147 | 45 | 192 | 1 | 16 | 17 | R638 | 2 | 211 | R850 | 99 | 1,158 |
| 1992 | 153 | 46 | 198 | 1 | 16 | 17 | R657 | 2 | 213 | R872 | 95 | R1,182 |
| 1993 | 159 | 46 | 205 | 1 | 17 | 17 | R642 | 1 | 215 | R858 | 100 | R1,181 |
| 1994 | 165 | 47 | 212 | 1 | 17 | 18 | R705 | 2 | 219 | R926 | 110 | R1,267 |
| 1995 | R173 | 47 | R220 | 1 | 17 | 18 | R634 | 2 | 222 | R857 | 111 | R1,207 |
| 1996 | R179 | 49 | R228 | 1 | 17 | 18 | R624 | 2 | 220 | R845 | 116 | R1,208 |
| 1997 | 180 | 50 | 230 | 1 | 18 | 19 | R645 | 2 | 216 | R862 | 74 | R1,184 |
| 1998 | R178 | 49 | R227 | 1 | 18 | 19 | R657 | 2 | 212 | R871 | 58 | R1,175 |
| 1999 | R179 | 49 | R229 | 1 | 19 | 20 | R653 | 2 | 211 | R865 | 57 | R1,170 |
| 2000 | R176 | 51 | R227 | 1 | 19 | 20 | R641 | 2 | 209 | R852 | 56 | R1,155 |
| 2001 | R171 | 49 | R220 | 1 | 19 | 20 | R640 | 2 | 207 | R850 | 47 | R1,137 |
| 2002 | R168 | 48 | R216 | 1 | 19 | 20 | R627 | 2 | 207 | R835 | 51 | R1,123 |
| 2003 | R166 | 49 | R215 | 1 | 19 | 20 | R632 | 2 | 205 | R839 | R46 | R1,121 |
| 2004 | R170 | 50 | R220 | 1 | 20 | 21 | R718 | 2 | 204 | R924 | R46 | R1,210 |
| 2005 | R182 | 50 | R232 | 1 | 20 | 21 | R734 | 2 | 207 | R943 | R47 | R1,243 |
| 2006 ^P | 185 | 50 | 235 | 1 | 20 | 21 | 766 | 2 | 209 | 977 | 47 | 1,279 |

¹ Emissions from passenger cars and trucks; air, rail, and marine transportation; and farm and construction equipment.

² Consumption of coal, petroleum, natural gas, and wood for heat or electricity.

³ Adipic acid production (primarily for the manufacture of nylon fibers and plastics), and nitric acid production (primarily for fertilizers).

R=Revised. P=Preliminary. (s)=Less than 0.5 thousand metric tons.

Notes: • Emissions are from anthropogenic sources. "Anthropogenic" means produced as the result of human activities, including emissions from agricultural activity and domestic livestock. Emissions from natural sources, such as wetlands and wild animals, are not included. • Under certain conditions, methane

may be produced via anaerobic decomposition of organic materials in landfills, animal wastes, and rice paddies. • Because of the continuing goal to improve estimation methods for greenhouse gases, data are frequently revised on an annual basis in keeping with the latest findings of the international scientific community. • For information on units for measuring greenhouse gases, see http://www.eia.doe.gov/oiaf/1605/archive/gg06rpt/pdf/executive_summary.pdf, page 2, box titled "Units for Measuring Greenhouse Gases." • Totals may not equal sum of components due to independent rounding.

Web Page: For related information, see <http://www.eia.doe.gov/environment.html>.

Sources: Energy Information Administration, *Emissions of Greenhouse Gases in the United States*, annual reports and unpublished revisions.