

Table 12.6 Nitrous Oxide Emissions, 1980-2007
(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	632	2	209	843	96	R1,128
1991	147	45	192	1	16	17	638	2	211	850	99	R1,159
1992	153	46	198	1	16	17	657	2	213	872	95	R1,183
1993	159	46	205	1	17	17	642	1	215	858	100	1,181
1994	165	47	212	1	17	18	705	2	219	926	110	1,267
1995	173	47	220	1	17	18	634	2	222	R858	111	1,207
1996	179	49	228	1	17	18	624	2	220	R846	116	R1,209
1997	180	50	230	1	18	19	645	2	216	R863	74	R1,185
1998	R180	49	R230	1	18	19	657	2	R213	871	58	R1,178
1999	R180	49	229	1	19	20	653	2	211	865	57	R1,171
2000	R177	51	R228	1	19	20	641	2	209	R853	56	R1,156
2001	R172	49	R221	1	19	20	640	2	R208	850	47	R1,139
2002	R169	R49	R218	1	19	20	627	2	207	R836	51	R1,125
2003	R168	R50	R217	1	19	20	632	2	205	839	46	R1,123
2004	R172	R51	R223	1	R19	21	718	2	204	924	46	R1,213
2005	182	R51	R233	1	20	21	734	2	207	R944	47	R1,244
2006	185	50	235	1	20	21	R747	2	209	R958	47	R1,261
2007 ^P	188	50	239	1	20	21	771	2	209	981	47	1,288

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/ggprt/pdf/0573\(2007\).pdf](http://www.eia.doe.gov/oiaf/1605/ggprt/pdf/0573(2007).pdf), page 10, 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 (EIA), *Emissions of Greenhouse Gases in the United States 2007* (December 2008), Tables 21-25; and EIA, Office of Integrated Analysis and Forecasting, estimates.