

Emissions of Greenhouse Gases in the United States 2004

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Table ES5. Estimated U.S. Emissions of Nitrous Oxide, 1990 and 1996-2004
(Million Metric Tons Carbon Dioxide Equivalent)

Source	1990	1996	1997	1998	1999	2000	2001	2002	2003	P2004
Agriculture										
Nitrogen Fertilization of Soils	186.9	184.2	190.5	194.0	192.7	189.4	189.1	185.1	186.6	204.3
Solid Waste of Domesticated Animals..	61.9	65.1	63.8	62.9	62.4	61.8	61.4	61.2	60.7	60.3
Crop Residue Burning	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.6
Subtotal.	249.3	249.8	254.8	257.4	255.6	251.8	251.1	246.8	247.8	265.2
Energy Use										
Mobile Combustion	41.1	53.9	52.4	54.2	54.3	54.3	53.3	53.0	53.0	53.8
Stationary Combustion.....	13.3	14.5	14.6	14.5	14.7	15.1	14.5	14.2	14.5	14.7
Subtotal.	54.4	68.5	67.0	68.7	68.9	69.4	67.9	67.2	67.5	68.4
Industrial Sources	28.6	34.3	21.8	17.2	16.8	16.6	14.0	15.2	14.0	14.0
Waste Management										
Human Sewage in Wastewater	4.6	5.2	5.2	5.3	5.5	5.6	5.6	5.7	5.7	5.8
Waste Combustion	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Subtotal.	4.8	5.4	5.4	5.5	5.7	5.8	5.9	5.9	6.0	6.0
Total	337.0	358.0	349.1	348.8	347.1	343.5	338.8	335.1	335.2	353.7

P = preliminary data.

Notes: Data in this table are revised from the data contained in the previous EIA report, *Emissions of Greenhouse Gases in the United States 2003*, DOE/EIA-0573(2003) (Washington, DC, December 2004). Totals may not equal sum of components due to independent rounding.

Sources: Estimates presented in this report. Emissions calculations based on Intergovernmental Panel on Climate Change, *Greenhouse Gas Inventory Reference Manual: Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories*, Vol. 3 (Paris, France, 1997), pp. 4.81-4.94, web site www.ipcc.ch/pub/guide.htm; and U.S. Environmental Protection Agency, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2003*, EPA 430-R-05-003 (Washington, DC, April 2005), web site <http://yosemite.epa.gov/oar/globalwarming.nsf/content/ResourceCenterPublicationsGHGEmissionsUSEmissionsInventory2005.html>.