

Emissions of Greenhouse Gases in the United States 2004

Report #: DOE/EIA-0573(2004)
Released Date: December 2005
Next Release Date: December 2006

Table 28. U.S. Nitrous Oxide Emissions from Mobile Combustion, 1990 and 1996-2004

Item	1990	1996	1997	1998	1999	2000	2001	2002	2003	P2004
Million Metric Tons Carbon Dioxide Equivalent										
Motor Vehicles										
Passenger Cars	25.2	30.4	29.1	30.4	30.3	30.0	29.4	28.7	28.6	28.5
Light-Duty Trucks	10.4	17.5	17.3	17.7	17.7	17.8	17.7	17.9	18.3	19.2
Other Trucks	1.7	2.2	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.6
Buses	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Motorcycles	*	*	*	*	*	*	*	*	*	*
Subtotal	37.4	50.2	48.8	50.5	50.5	50.4	49.6	49.3	49.5	50.4
Other Mobile Sources	3.6	3.7	3.6	3.6	3.7	3.9	3.7	3.7	3.5	3.4
Total	41.1	53.9	52.4	54.2	54.3	54.3	53.3	53.0	53.0	53.8
Thousand Metric Tons Nitrous Oxide										
Motor Vehicles										
Passenger Cars	85	103	98	103	102	101	99	97	97	96
Light-Duty Trucks	35	59	59	60	60	60	60	61	62	65
Other Trucks	6	7	8	8	8	8	8	9	9	9
Buses	*	*	*	*	*	*	*	*	*	*
Motorcycles	*	*	*	*	*	*	*	*	*	*
Subtotal	127	170	165	171	171	170	168	167	167	170
Other Mobile Sources	12	13	12	12	13	13	13	12	12	11
Total	139	182	177	183	183	183	180	179	179	182

*Less than 500 metric tons nitrous oxide or less than 50,000 metric tons carbon dioxide equivalent.

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: Calculations based on vehicle miles traveled from U.S. Department of Transportation, *Federal Highway Statistics* (various years), Table VM-1, and current year preliminary estimates calculated using growth rates from EIA, *Short-Term Energy Outlook* (various years). Other Mobile Sources calculations based on Oak Ridge National Laboratory, *Transportation Energy Data Book*; EIA, *Fuel Oil and Kerosene Sales, State Energy Data Report*, and *Petroleum Supply Annual* (various years). Passenger car and light-duty truck emissions coefficients from U.S. Environmental Protection Agency, Office of Air and Radiation, *Emissions of Nitrous Oxide From Highway Mobile Sources: Comments on the Draft Inventory of U.S. Greenhouse Gas Emissions and Sinks, 1990-1996*, EPA-420-R-98-009 (Washington DC, August 1998). Emissions coefficients from 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. 1.64-1.68, web site www.ipcc.ch/pub/guide.htm.