

**Table 24. U.S. Nitrous Oxide Emissions from Mobile Combustion, 1990-2002**

Item	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	P2002
<b>Thousand Metric Tons Nitrous Oxide</b>													
<b>Motor Vehicles</b>													
Passenger Cars .....	99	107	115	112	111	108	109	109	110	112	108	107	106
Buses .....	*	*	*	*	*	*	*	*	*	*	*	*	*
Motorcycles.....	*	*	*	*	*	*	*	*	*	*	*	*	*
Light-Duty Trucks .....	38	40	41	50	60	72	69	71	72	88	84	87	88
Other Trucks.....	6	6	6	6	7	7	7	8	8	8	8	8	8
<b>Total .....</b>	<b>144</b>	<b>153</b>	<b>162</b>	<b>168</b>	<b>178</b>	<b>188</b>	<b>185</b>	<b>189</b>	<b>190</b>	<b>209</b>	<b>200</b>	<b>202</b>	<b>203</b>
<b>Other Mobile Sources.....</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>13</b>	<b>12</b>	<b>12</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>12</b>
<b>Total .....</b>	<b>156</b>	<b>165</b>	<b>175</b>	<b>180</b>	<b>190</b>	<b>200</b>	<b>198</b>	<b>201</b>	<b>203</b>	<b>221</b>	<b>214</b>	<b>215</b>	<b>214</b>
<b>Million Metric Tons Carbon Dioxide Equivalent</b>													
<b>Motor Vehicles</b>													
Passenger Cars .....	29	32	34	33	33	32	32	32	32	33	32	32	31
Buses .....	0	0	0	0	0	0	0	0	0	0	0	0	0
Motorcycles.....	0	0	0	0	0	0	0	0	0	0	0	0	0
Light-Duty Trucks .....	11	12	12	15	18	21	20	21	21	26	25	26	26
Other Trucks.....	2	2	2	2	2	2	2	2	2	2	2	2	2
<b>Total .....</b>	<b>42</b>	<b>45</b>	<b>48</b>	<b>50</b>	<b>53</b>	<b>56</b>	<b>55</b>	<b>56</b>	<b>56</b>	<b>62</b>	<b>59</b>	<b>60</b>	<b>60</b>
<b>Other Mobile Sources.....</b>	<b>4</b>	<b>3</b>											
<b>Total .....</b>	<b>46</b>	<b>49</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>59</b>	<b>59</b>	<b>59</b>	<b>60</b>	<b>65</b>	<b>63</b>	<b>64</b>	<b>63</b>

\*Less than 500 metric tons of nitrous oxide.

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 2001*, DOE/EIA-0573(2001) (Washington, DC, December 2002). 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](http://www.ipcc.ch/pub/guide.htm).