

Report #: DOE/EIA-0573(2009)  
 Release Date: February, 2011  
 Next Release Date: February 2012

## Emissions of Greenhouse Gases in the United States 2009

**Table 13. U.S. carbon dioxide emissions from nonfuel uses of energy fuels, 1990-2009  
 (million metric tons carbon dioxide)**

End use and type	1990	1995	2000	2003	2004	2005	2006	2007	2008	2009
<b>Industrial</b>										
Petroleum										
Liquefied petroleum gas	14.8	19.5	20.4	19.0	19.4	18.3	18.7	18.9	17.7	18.6
Distillate fuel oil	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6
Residual fuel oil	1.9	2.1	2.0	1.9	2.1	2.3	2.5	2.0	2.1	1.7
Lubricants	6.9	6.6	7.0	5.9	6.0	5.9	5.8	6.0	5.6	5.0
Pentanes plus	1.1	4.1	3.2	2.3	2.3	2.0	1.4	1.8	1.6	1.3
Petrochemical feed	33.6	36.0	36.8	36.5	41.8	38.4	40.1	37.1	32.2	25.1
Petroleum coke	9.1	6.8	7.2	8.2	13.3	11.1	13.1	12.5	12.4	8.5
Special naphtha	7.8	5.2	7.1	5.9	3.7	4.6	5.1	5.7	6.2	3.4
<i>Petroleum subtotal</i>	<i>75.5</i>	<i>80.5</i>	<i>84.1</i>	<i>80.2</i>	<i>89.0</i>	<i>83.2</i>	<i>87.3</i>	<i>84.7</i>	<i>78.4</i>	<i>64.2</i>
Coal	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.3
Natural gas	14.7	17.5	16.3	13.0	11.9	12.9	12.4	12.7	13.6	13.5
<i>Industrial subtotal</i>	<i>90.6</i>	<i>98.7</i>	<i>101.0</i>	<i>93.7</i>	<i>101.4</i>	<i>96.6</i>	<i>100.2</i>	<i>97.8</i>	<i>92.4</i>	<i>78.1</i>
<b>Transportation</b>										
Lubricants	6.5	6.2	6.7	5.6	5.6	5.6	5.5	5.6	5.2	4.7
<b>Total</b>	<b>97.1</b>	<b>104.9</b>	<b>107.6</b>	<b>99.3</b>	<b>107.1</b>	<b>102.2</b>	<b>105.7</b>	<b>103.5</b>	<b>97.7</b>	<b>82.8</b>

Notes: Emissions from nonfuel use of energy fuels are included in the energy consumption tables in this chapter. Totals may not equal sum of components due to independent rounding.