Emissions of Greenhouse Gases in the United States 2004

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Table 5. U.S. Carbon Dioxide Emissions from Energy and Industry, 1990 and 1996-2004
(Million Metric Tons Carbon Dioxide)

Fuel Type or Process	1990	1996	1997	1998	1999	2000	2001	2002	2003	P2004
Energy Consumption										
Petroleum	2,179.6	2,278.6	2,296.6	2,348.7	2,416.3	2,438.5	2,475.6	2,457.5	2,497.5	2,595.2
Coal	1,783.5	1,960.8	2,005.5	2,023.0	2,024.2	2,115.7	2,055.6	2,049.8	2,090.2	2,090.0
Natural Gas	1,027.2	1,206.8	1,212.3	1,189.3	1,191.9	1,237.5	1,186.0	1,225.7	1,196.1	1,203.4
Renewables[a]	6.2	10.3	10.9	10.6	10.8	10.5	11.2	13.0	11.7	11.4
Energy Subtotal	**4,996.6**	**5,456.5**	**5,525.2**	**5,571.6**	**5,643.2**	**5,802.3**	**5,728.4**	**5,746.0**	**5,795.5**	**5,899.9**
Nonfuel Use Emissions[b]	**98.1**	**105.6**	**110.5**	**118.6**	**124.1**	**110.0**	**104.9**	**107.0**	**105.2**	**114.3**
Nonfuel Use Sequestration[c]	**251.2**	**291.2**	**303.4**	**314.7**	**325.8**	**308.1**	**293.9**	**298.3**	**294.0**	**316.6**
Adjustments to Energy										
U.S. Territories (+)	31.1	37.7	39.0	41.3	40.7	42.2	53.6	52.2	58.4	61.7
Military Bunker Fuels (-)	13.6	8.9	9.6	10.0	9.8	7.8	8.2	8.1	9.2	9.2
International Bunker Fuels (-)	100.1	93.3	100.1	104.9	97.4	93.5	89.6	81.2	75.0	84.4
Total Energy Adjustments	**-82.6**	**-64.5**	**-70.7**	**-73.6**	**-66.5**	**-59.1**	**-44.2**	**-37.1**	**-25.9**	**-31.9**
Adjusted Energy Subtotal	**4,914.0**	**5,392.0**	**5,454.6**	**5,498.0**	**5,576.8**	**5,743.1**	**5,684.2**	**5,709.0**	**5,769.6**	**5,868.0**
Other Sources										
Natural Gas Flaring	9.1	16.5	15.5	6.2	6.7	5.5	5.9	6.0	5.9	5.9
Carbon Dioxide in Natural Gas	14.0	17.8	18.0	18.0	17.8	18.2	18.6	17.9	18.0	17.8
Cement Production	33.3	37.2	38.4	39.3	40.1	41.3	41.5	43.0	43.2	44.8
Other Industrial	26.8	29.0	29.2	29.7	29.3	29.4	27.4	26.4	27.6	28.7
Waste Combustion	5.1	7.3	7.3	6.9	7.2	7.9	8.0	6.2	7.5	7.8
Total Other Sources	**88.3**	**107.7**	**108.5**	**100.1**	**101.2**	**102.3**	**101.3**	**99.5**	**102.2**	**105.0**
Total	**5,002.3**	**5,499.7**	**5,563.0**	**5,598.1**	**5,677.9**	**5,845.5**	**5,785.5**	**5,808.5**	**5,871.8**	**5,973.0**

[a]Includes emissions from electricity generation using municipal solid waste and geothermal energy.
[b]Emissions from nonfuel use are included in the fuel categories above. See Table 12 for details by fuel category.
[c]See Table 13 for details by fuel.
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. Adjusted energy total includes U.S. Territories.
Sources: EIA estimates presented in this chapter.