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## Emissions of Greenhouse Gases in the United States 2009

**Table 6. U.S. carbon dioxide emissions from energy and industry, 1990-2009  
 (million metric tons carbon dioxide)**

Fuel type or process	1990	1995	2000	2003	2004	2005	2006	2007	2008	2009
<b>Energy consumption</b>										
Petroleum	2,186.6	2,207.1	2,460.6	2,518.4	2,608.6	2,627.6	2,602.5	2,603.2	2,443.5	2,318.8
Coal	1,821.4	1,913.1	2,155.5	2,135.7	2,160.2	2,181.9	2,146.9	2,172.2	2,139.4	1,876.8
Natural gas	1,024.6	1,183.7	1,240.6	1,191.1	1,194.4	1,175.2	1,157.0	1,234.7	1,243.0	1,218.0
Renewables <sup>a</sup>	6.2	10.3	10.5	11.8	11.5	11.6	11.9	11.7	12.0	12.0
<i>Energy subtotal</i>	<i>5,038.7</i>	<i>5,314.3</i>	<i>5,867.2</i>	<i>5,856.9</i>	<i>5,974.7</i>	<i>5,996.4</i>	<i>5,918.3</i>	<i>6,021.8</i>	<i>5,838.0</i>	<i>5,425.6</i>
Nonfuel use emissions <sup>b</sup>	94.1	101.9	105.5	97.3	105.0	100.7	103.5	101.7	97.7	82.8
Nonfuel use sequestration <sup>c</sup>	250.0	283.6	306.0	290.0	313.4	303.5	299.8	292.1	264.4	245.7
Adjustments to energy <sup>d</sup>	-82.9	-63.2	-64.7	-32.6	-45.3	-44.6	-62.7	-67.5	-76.1	-66.0
<i>Adjusted energy subtotal</i>	<i>4,955.9</i>	<i>5,251.1</i>	<i>5,802.6</i>	<i>5,824.3</i>	<i>5,929.3</i>	<i>5,951.8</i>	<i>5,855.7</i>	<i>5,954.2</i>	<i>5,761.9</i>	<i>5,359.6</i>
Other sources	85.1	102.3	97.8	98.9	102.0	103.5	105.9	105.3	103.6	87.3
<b>Total</b>	<b>5,040.9</b>	<b>5,353.4</b>	<b>5,900.3</b>	<b>5,923.3</b>	<b>6,031.3</b>	<b>6,055.2</b>	<b>5,961.6</b>	<b>6,059.5</b>	<b>5,865.5</b>	<b>5,446.8</b>

<sup>a</sup>Includes emissions from electricity generation using nonbiogenic municipal solid waste and geothermal energy.

<sup>b</sup>Emissions from nonfuel uses are included in the energy subtotal above.

<sup>c</sup>The energy content of nonfuel uses in which carbon is sequestered is subtracted from energy consumption before emissions are calculated.

<sup>d</sup>Adjustments include adding emissions from U.S. Territories and subtracting emissions from international bunker fuels, in keeping with international practices.

Note: Totals may not equal sum of components due to independent rounding.