

Table 364. Emissions of Greenhouse Gases by Type and Source: 1990 to 2007

[In millions of metric tons (6,241.8 represents 6,241,800,000). Metric ton = 2,200 lbs. Emission estimates were mandated by Congress through Section 1605(a) of the Energy Policy Act of 1992 (Title XVI). Data shown below, by type and source, are measured in terms of their carbon dioxide equivalent]

Type and source	1990	2000	2003	2004	2005	2006	2007 ¹
CARBON DIOXIDE EQUIVALENT							
Total emissions	6,241.8	7,075.0	7,098.8	7,230.1	7,256.9	7,179.7	7,282.4
Carbon dioxide, total	5,021.4	5,892.6	5,938.7	6,023.9	6,032.3	5,945.8	6,021.8
From energy use by sector							
Residential	961.7	1,181.6	1,224.6	1,220.7	1,254.9	1,197.9	1,249.5
Commercial	787.5	1,015.2	1,027.1	1,042.3	1,060.2	1,043.0	1,087.4
Industrial	1,686.9	1,786.4	1,719.1	1,744.2	1,672.3	1,652.4	1,639.7
Transportation	1,582.6	1,872.6	1,897.2	1,958.9	1,988.0	2,013.4	2,014.4
Adjustments to energy ²	-82.4	-60.9	-28.3	-44.3	-46.5	-66.8	-74.2
Adjusted energy subtotal	4,936.3	5,794.8	5,839.7	5,921.9	5,928.9	5,839.9	5,916.7
Other sources	85.1	97.8	98.9	102.0	103.4	105.9	105.1
Methane	782.1	685.7	676.5	679.7	679.4	686.9	699.9
Energy sources	299.5	280.2	276.7	281.3	277.8	280.8	287.0
Agricultural sources	199.0	206.8	207.6	207.5	210.4	212.7	214.5
Waste management	280.6	195.5	189.3	188.0	188.6	190.8	195.7
Industrial processes	2.9	3.2	2.9	3.0	2.7	2.7	2.6
Nitrous oxide	336.0	344.6	334.6	361.5	370.8	375.7	383.9
Agricultural sources	251.2	254.1	250.1	275.4	281.2	285.5	292.4
Energy use	51.1	67.9	64.8	66.3	69.4	69.9	71.1
Industrial processes	28.8	16.7	13.7	13.7	14.0	14.0	14.0
Waste management	4.9	5.9	6.0	6.1	6.2	6.3	6.4
High-GWP gases ³	102.4	152.1	149.0	165.0	174.5	171.3	176.9

¹ 2007 preliminary data. ² Carbon dioxide (CO₂) emissions from U.S. Territories are added to the U.S. total, and CO₂ emissions from fuels used for international transport (both ocean-going vessels and airplanes), are subtracted to derive total U.S. greenhouse gas emissions. ³ High-global warming potential gases: hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆).

Source: U.S. Energy Information Administration, *Greenhouse Gas Emissions in the United States, 2007*, Series DOE/EIA-0573 (2007), annual. See also <<http://www.eia.doe.gov/oiaf/1605/ggrpt/index.html>>.