

Distribution of Total U.S. Greenhouse Gas Emissions by End-Use Sector, 2007

Greenhouse Gas and Source	Sector				
	Residential	Commercial	Industrial	Transportation	Total
Carbon Dioxide					
Million Metric Tons Carbon Dioxide Equivalent					
Energy-Related (adjusted)	1,261.3	1,097.7	1,655.2	1,902.5	5,916.7
Industrial Processes	—	—	105.1	—	105.1
Total CO₂	1,261.3	1,097.7	1,760.3	1,902.5	6,021.8
Methane					
Energy					
Coal Mining	—	—	71.1	—	71.1
Natural Gas Systems	—	—	176.6	—	176.6
Petroleum Systems	—	—	22.9	—	22.9
Stationary Combustion	10.4	0.1	0.6	—	11.1
Stationary Combustion: Electricity . .	0.1	0.1	0.1	—	0.3
Mobile Sources	—	—	—	5.1	5.1
Waste Management					
Landfills	—	169.0	—	—	169.0
Domestic Wastewater Treatment . .	—	17.4	—	—	17.4
Industrial Wastewater Treatment . .	—	—	9.3	—	9.3
Industrial Processes	—	—	2.6	—	2.6
Agricultural Sources					
Enteric Fermentation	—	—	138.5	—	138.5
Animal Waste	—	—	65.0	—	65.0
Rice Cultivation	—	—	9.7	—	9.7
Crop Residue Burning	—	—	1.4	—	1.4
Total Methane	10.5	186.7	497.6	5.1	699.9
Nitrous Oxide					
Agriculture					
Nitrogen Fertilization of Soils	—	—	229.6	—	229.6
Solid Waste of Animals	—	—	62.2	—	62.2
Crop Residue Burning	—	—	0.6	—	0.6
Energy Use					
Mobile Combustion	—	—	—	56.2	56.2
Stationary Combustion	0.9	0.3	4.4	—	5.7
Stationary Combustion: Electricity . .	3.4	3.3	2.6	—	9.3
Industrial Sources	—	—	14.0	—	14.0
Waste Management					
Human Sewage in Wastewater	—	6.0	—	—	6.0
Waste Combustion	—	—	—	—	0.0
Waste Combustion: Electricity	0.1	0.1	0.1	—	0.4
Total Nitrous Oxide	4.5	9.8	313.5	56.2	383.9
Hydrofluorocarbons (HFCs)					
HFC-23	—	—	22.0	—	22.0
HFC-32	—	0.5	—	—	0.5
HFC-125	—	22.8	—	—	22.8
HFC-134a	—	—	—	72.7	72.7
HFC-143a	—	23.9	—	—	23.9
HFC-236fa	—	3.0	—	—	3.0
Total HFCs	0.0	50.2	22.0	72.7	144.9
Perfluorocarbons (PFCs)					
CF ₄	—	—	5.2	—	5.2
C ₂ F ₆	—	—	4.2	—	4.2
NF ₃ , C ₃ F ₈ , and C ₄ F ₈	—	—	0.7	—	0.7
Total PFCs	0.0	0.0	10.1	0.0	10.1
Other HFCs, PFCs/PFPEs	—	6.1	—	—	6.1
Sulfur Hexafluoride (SF₆)					
SF ₆ : Utility	4.6	4.4	3.4	—	12.3
SF ₆ : Other	—	—	3.4	—	3.4
Total SF₆	4.6	4.4	6.8	0.0	15.8
Total Non-CO₂	19.5	257.2	849.9	133.9	1,260.6
Total Emissions	1,280.8	1,354.7	2,610.4	2,036.4	7,282.4