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Greenhouse Gas Emissions in the United States 2006

Distribution of Total U.S. Greenhouse Gas Emissions by End-Use Sector, 2006

Greenhouse Gas and Source	Sector				
	Residential	Commercial	Industrial	Transportation	Total
	Million Metric Tons Carbon Dioxide Equivalent				
Carbon Dioxide					
Energy-Related (adjusted)	1,216.8	1,056.1	1,668.0	1,884.7	**5,825.5**
Industrial Processes	—	—	108.8	—	**108.8**
Total CO_2	**1,216.8**	**1,056.1**	**1,776.8**	**1,884.7**	**5,934.4**
Methane					
Energy					
Coal Mining	—	—	64.7	—	**64.7**
Natural Gas Systems	—	—	150.8	—	**150.8**
Petroleum Systems	—	—	21.1	—	**21.1**
Stationary Combustion	8.1	0.1	0.5	—	**8.8**
Stationary Combustion: Electricity	0.1	0.1	0.1	—	**0.3**
Mobile Sources	—	—	—	4.8	**4.8**
Waste Management					
Landfills	—	146.7	—	—	**146.7**
Domestic Wastewater Treatment	—	15.9	—	—	**15.9**
Industrial Wastewater Treatment	—	—	8.5	—	**8.5**
Industrial Processes	—	—	2.4	—	**2.4**
Agricultural Sources					
Enteric Fermentation	—	—	114.6	—	**114.6**
Animal Waste	—	—	56.2	—	**56.2**
Rice Cultivation	—	—	9.1	—	**9.1**
Crop Residue Burning	—	—	1.2	—	**1.2**
Total Methane	**8.2**	**162.9**	**429.2**	**4.8**	**605.1**
Nitrous Oxide					
Agriculture					
Nitrogen Fertilization of Soils	—	—	226.7	—	**226.7**
Solid Waste of Animals	—	—	61.7	—	**61.7**
Crop Residue Burning	—	—	0.6	—	**0.6**
Energy Use					
Mobile Combustion	—	—	—	54.8	**54.8**
Stationary Combustion	0.8	0.3	4.5	—	**5.6**
Stationary Combustion: Electricity	3.3	3.2	2.5	—	**9.0**
Industrial Sources	—	—	13.8	—	**13.8**
Waste Management					
Human Sewage in Wastewater	—	5.9	—	—	**5.9**
Waste Combustion	—	—	—	—	**0.0**
Waste Combustion: Electricity	0.1	0.1	0.1	—	**0.4**
Total Nitrous Oxide	**4.3**	**9.6**	**309.9**	**54.8**	**378.6**
Hydrofluorocarbons (HFCs)					
HFC-23	—	—	14.5	—	**14.5**
HFC-32	—	0.4	—	—	**0.4**
HFC-125	—	22.1	—	—	**22.1**
HFC-134a	—	—	—	66.1	**66.1**
HFC-143a	—	23.0	—	—	**23.0**
HFC-236fa	—	2.9	—	—	**2.9**
Total HFCs	**0.0**	**48.4**	**14.5**	**66.1**	**129.0**
Perfluorocarbons (PFCs)					
CF_4	—	—	2.9	—	**2.9**
C_2F_6	—	—	3.4	—	**3.4**
NF_3, C_3F_8, and C_4F_8	—	—	0.6	—	**0.6**
Total PFCs	**0.0**	**0.0**	**6.9**	**0.0**	**6.9**
Other HFCs, PFCs/PFPEs	—	**6.1**	—	—	**6.1**
Sulfur Hexafluoride (SF_6)					
SF_6: Utility	4.5	4.3	3.3	—	**12.2**
SF_6: Other	—	—	3.4	—	**3.4**
Total SF_6	**4.5**	**4.3**	**6.7**	**0.0**	**15.5**
Total Non-CO_2	**17.1**	**231.3**	**767.2**	**125.6**	**1,141.2**
Total Emissions	**1,233.8**	**1,287.4**	**2,544.0**	**2,010.3**	**7,075.6**