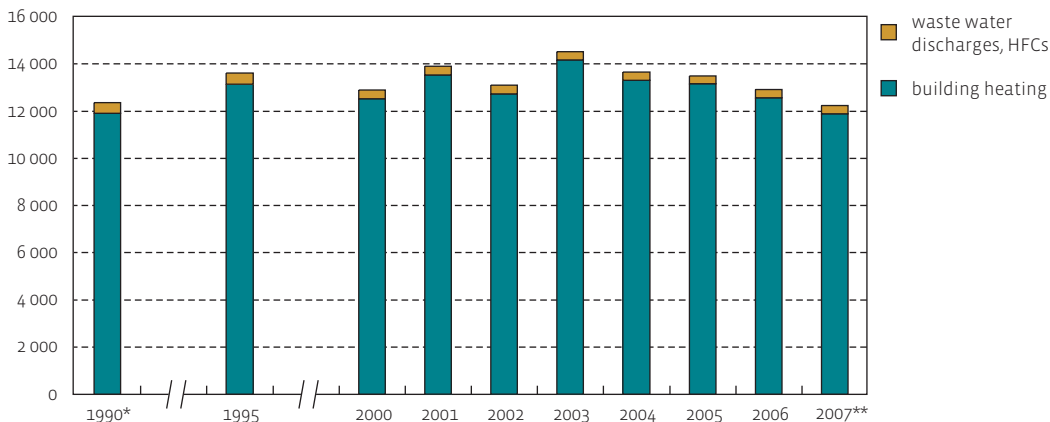


greenhouse gas emissions (ktonnes CO₂-eq)

* HFC emission figures are only available from 1995 onwards. For 1990 the emissions of 1995 were taken.

** provisional figures

Source: MIRA based on EIL (VMM)

Greenhouse gas emissions determined by heating demand of buildings

The combustion of fuels for the heating of buildings accounts for 97.3 % of the greenhouse gas emissions by households in 2007. The heating of buildings causes the emission of CO₂ (96.5 % of the total greenhouse gas emissions), CH₄ (0.6 %) and N₂O (0.2 %). The remaining 2.7 % of the greenhouse gas emissions by households is not energy-related. These are the emissions originating from the discharge of waste water and from septic tanks (CH₄ emissions and N₂O emissions, 0.9 % and 1.3 % respectively), and the emission of HFCs that are used as coolants in refrigerators and air conditioning installations (0.5 %).

The share of households in the total Flemish greenhouse gas emissions amounted to 15.2 % in 2007. The emissions of greenhouse gases by households decreased by 1.1 % in 2007 compared to 1990. After an initial increase in the emissions, there was a decrease of 15.8 % between 2003 and 2007. This can be accounted for by the climatic conditions: between 2003 and 2007 the milder winters resulted in a decrease in the heating demand for buildings of 18 %. The heating demand and the energy consumption of buildings, and therefore also the emissions of greenhouse gases can be significantly reduced by, among other things, better roofing insulation, the installation of insulating glass, the replacement of old, inefficient heating installations and the use of renewable energy sources (solar water heaters, PV installations ...).

greenhouse gas emissions (ktonnes CO ₂ -eq)	1990*	1995	2000	2005	2006	2007**
CO ₂	11 765	13 032	12 417	13 058	12 463	11 794
CH ₄	300	281	216	194	190	183
N ₂ O	199	201	179	185	185	183
HFCs	98	98	83	63	68	68
<i>total</i>	<i>12 362</i>	<i>13 612</i>	<i>12 895</i>	<i>13 500</i>	<i>12 906</i>	<i>12 227</i>