6-1 GREENHOUSE GAS EMISSIONS

As its contribution to the fight against climate change and in compliance with the Kyoto Protocol, Wallonia undertook to reduce its greenhouse gas (GHG) emissions by 7.5% of the 1990 value in the 2008-2012 commitment period.

KEY MESSAGE

In 2012, Wallonia emitted 36,000 kt CO_2 equivalents of $GHG^{1,2}$. With 10.1 t CO₂ equivalents emitted per capita, Wallonia exceeds the European average (9.0 t CO_2 eq/capita). Nevertheless, between 1990 and 2012, GHG emissions dropped 34.2%, allowing Wallonia to meet the Kyoto commitments. This situation results from reductions in the energy (greater use of natural gas) and industrial sectors (branch agreements, restructuring measures, etc.) – despite the significant increase in road transport emissions (+ 28.9%). The 8.8% drop observed between 2011 and 2012 is mainly attributable to plant closures in the steel and glass sectors, to the slowing down of power plants and a noticeable decrease³ in road transport. Wallonia plans to reduce its GHG emissions by 30% by 2020 and by 80 to 95% by 2050 compared to 1990 through the "Climate" Decree⁴. Compliance with the 2020 European commitments will require additional measures in such non-industrial sectors as transport and the residential sector.



Slightly unfavourable but improving situation

[1] 83.8% of which is CO_2 with the rest made up of N_2O (7.5%), CH_4 (6.8%) and fluorinated gases (1.9%)

[2] NIR (2014)

[3] Yet to be confirmed or refuted by federal statistics

[4] This Decree, adopted on 20/02/2014, establishes the objectives for reducing GHG emissions and foresees the introduction of emission allowances and an Air-Climate-Energy Plan (PACE) (http://www.awac.be/).

Comparison with the Kyoto target (excluding CO₂ emissions By sector (2012) deriving from biomass) 1.9% 1.4% 160 2.5% 0.4% 150 5.1% 32.4% 140 6.4% 130 11.2% = 100) 120 110 14.8% 23.9% Base 100 (1990 100 7 5% 90 80 2012 figures (kt CO₂ eq) 70 Total GHG emissions 36.012 34.2% 60 Industry -11,686 50 Road transport 8.592 Households (heating) 5,327 40 Agriculture 4,018 30 Energy production 066 992 966 998 2004 9000 2008 2010 and distribution* 2.291 Services -1,821 --- 7.5% reduction of GHG emissions (Kyoto objective) Waste** 919 Fluorinated gases (HFC, PFC, SF₆)---- 691 * power plants (excl. industries, excl. waste incinerators), coking plants Other transport*** 509 ** including incinerators Forests (afforestation, deforestation) -- 158 *** agricultural, military, rail, waterway transport, etc. EOW 2014 - Source: SPW - AwAC (reporting conducted in April 2014, provisional 2012 data)

Fig. 6-1 Greenhouse gas emissions in Wallonia