

Belgium

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.227	0.192	0.189	0.160
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.226	0.189	0.186	0.154
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.228	0.184	0.173	0.141
Final energy intensity (at ppp)	koe/\$05p	0.155	0.122	0.116	0.094
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.147	0.116	0.114	0.095
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.168	0.128	0.122	0.100
Ratio final/primary intensity	%	74.2	70.1	73.3	72.1
CO2 intensity (at ppp)	kCO2/\$05p	n.a.	0.414	0.365	0.276
CO2 emissions per capita	tCO2/cap	n.a.	10.37	11.01	9.19
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.255	0.190	0.190	0.151
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.354	0.265	0.263	0.207
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.755	0.371	0.316	0.340
Unit consumption of steel	toe/t	0.45	0.42	0.42	0.27
Share of electric process in steel production	%	0	9.4	23.4	30.6
Share of industrial cogeneration in power generation	%	0	0	1.7	1.9
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$05p	n.a.	0.415	0.413	0.314
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	2.63	2.99	2.36
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.026	0.027	0.027	0.024
Average consumption of road transport per equivalent car	toe/car equiv.	1.06	1.15	1.08	0.99
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	1.1
CO2 intensity of transport to GDP (at ppp)	kCO2/\$05p	n.a.	0.080	0.078	0.070
CO2 emissions of transport per capita	tCO2/cap	n.a.	2.00	2.36	2.32
Households					
Average electricity consumption of households per capita	kWh/cap	1332	1847	2315	2046
Average electricity consumption of electrified households	kWh/hh	3443	4636	5608	4783
Households consumption for electrical appliances and lighting	kWh/hh	0	2015	2751	n.a.
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	3.4	3.9	26.3
CO2 emissions of residential sector per household	tCO2/hh	n.a.	4.63	4.73	3.53
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.022	0.018	0.018	0.017
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	40	48	62	78
Unit consumption of services per employee	toe/emp	1.24	1.06	1.12	1.14
Unit electricity consumption of services per employee	kWh/emp	2225	2871	3986	5244
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$05p	n.a.	0.037	0.031	0.026
CO2 emissions of service sector per employee	tCO2/emp	n.a.	2.19	2.00	1.75
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.235	0.185	0.181	0.222
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$05p	n.a.	0.573	0.543	0.578
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0.15	0.20	0.22
Transformation sector					
Efficiency of total electricity generation	%	35.7	34.3	36.3	37.4
Rate of electricity transmission-distribution losses	%	6.7	6.4	4.9	4.7
Efficiency of thermal power plants	%	36.1	35.7	40.8	42.9
Share of renewables in electricity generating capacity	%	10.2	10.3	10.1	13.7
Share of renewables in gross electricity consumption	%	2.1	2.3	3.6	8.1

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

⁴ Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	20881	25171	30266	33520
Average electricity price (at ppp)	c05p/kWh	14.9	13.4	10.6	12.3
Average price of motor fuels (at ppp)	\$05p/l	1.15	0.94	1.09	1.33