

Hungary

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.246	0.218	0.179	0.146
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.242	0.213	0.173	0.138
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.214	0.210	0.156	0.125
Final energy intensity (at ppp)	koe/\$05p	0.171	0.150	0.114	0.093
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.168	0.155	0.116	0.093
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.157	0.147	0.110	0.088
Ratio final/primary intensity	%	78.8	75.2	70.1	71.8
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.501	0.386	0.299
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	6.21	5.26	5.40
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.258	0.212	0.091	0.068
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.430	0.356	0.123	0.076
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	0.311	0.291
Unit consumption of steel	toe/t	n.a.	0.58	0.38	0.28
Share of electric process in steel production	%	n.a.	4.2	12.5	25.0
Share of industrial cogeneration in power generation	%	2.8	3.0	1.4	0.8
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.462	0.169	0.133
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.37	0.64	0.64
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.025	0.023	0.022	0.026
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	0.79	0.71	0.85
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	0.05	0.04
Share of biofuels in road transport energy consumption	%	0	0	0	3.6
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.065	0.063	0.073
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.80	0.86	1.32
Households					
Average electricity consumption of households per capita	kWh/cap	469	886	959	1126
Average electricity consumption of electrified households	kWh/hh	n.a.	2362	2536	2773
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m ² /1000inhab	0.9	2.7	4.2	5.7
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	3.59	2.23	2.03
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.027	0.029	0.040	0.029
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	74	81	119	112
Unit consumption of services per employee	toe/emp	n.a.	0.91	1.31	1.14
Unit electricity consumption of services per employee	kWh/emp	n.a.	2487	3863	4373
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.039	0.059	0.038
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	1.19	1.92	1.47
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.171	0.113	0.103	0.051
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.275	0.247	0.113
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.25	0.16	0.11
Transformation sector					
Efficiency of total electricity generation	%	27.3	28.6	31.3	33.9
Rate of electricity transmission-distribution losses	%	9.2	12.6	15.9	10.7
Efficiency of thermal power plants	%	27.2	25.2	30.1	34.0
Share of renewables in electricity generating capacity	%	0.9	0.7	0.6	6.4
Share of renewables in gross electricity consumption	%	0.5	0.7	0.8	6.2

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	10722	12394	13583	18040
Average electricity price (at ppp)	c05p/kWh	4.9	24.4	16.8	22.5
Average price of motor fuels (at ppp)	\$05p/l	0.44	0.57	2.31	1.98