

Belarus

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1992	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	n.a.	0,871	0,560	0,425
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	n.a.	0,866	0,538	0,407
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	n.a.	0,730	0,443	0,290
Final energy intensity (at ppp)	koe/\$95p	n.a.	0,538	0,346	0,245
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	n.a.	0,533	0,335	0,220
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	n.a.	0,519	0,317	0,209
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	2,074	1,203	0,880
CO2 emissions per capita	tCO2/cap	n.a.	9,06	5,33	5,68
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	n.a.	0,558	0,342	0,217
Energy intensity of manufacturing (at ppp)	koe/\$95p	n.a.	0,718	0,424	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	0,19	0,15	0,12
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	1,571	0,439	0,317
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	2,45	0,69	0,81
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	n.a.	0,112	0,047	0,033
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	n.a.
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
CO2 intensity of transport to GDP (at ppp)	kCO2/\$95p	n.a.	0,323	0,132	0,092
CO2 emissions of transport per capita	tCO2/cap	n.a.	1,41	0,59	0,59
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	n.a.	0,209	0,198	0,121
Average electricity consumption of households per capita	kWh/cap	n.a.	430	556	633
Average electricity consumption per household	kWh/hh	n.a.	n.a.	n.a.	n.a.
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	n.a.	n.a.
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	n.a.	0,210	0,094	0,078
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	n.a.	356	242	200
Unit consumption of services per employee	toe/emp	n.a.	1,73	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	2947	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	n.a.	0,227	0,155	0,102
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,280	0,204	0,108
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	n.a.	n.a.
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,103	0,010	0,015
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,85	n.a.	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,516	0,378	0,240
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,36	0,21	0,19
Transformation sector					
Overall efficiency of energy transformations	%	n.a.	74,6	70,9	68,0
Efficiency of total electricity generation	%	n.a.	23,6	27,7	27,3
Rate of electricity transmission-distribution losses	%	n.a.	8,3	13,1	12,9
Efficiency of thermal power plants	%	n.a.	23,6	27,7	27,2
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	n.a.	0	0	0
Share of biomass in industry energy consumption	%	n.a.	0	2,7	2,6
Share of renewables in electricity generating capacity	%	n.a.	0,1	0,1	0,1
Share of renewables in gross electricity consumption	%	n.a.	0,0	0,1	0,1

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	4013	4370	4430	6453
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	2,04	n.a.