

Paraguay

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,150	0,168	0,173	0,162
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,040	0,047	0,073	0,075
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,160	0,206	0,197	0,187
Final energy intensity (at ppp)	koe/\$95p	0,141	0,158	0,163	0,150
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,145	0,173	0,161	0,155
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,118	0,147	0,141	0,135
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,105	0,147	0,149
CO2 emissions per capita	tCO2/cap	n.a.	0,46	0,60	0,60
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,145	0,200	0,203	0,187
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,246	0,306	0,389	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.	n.a.	n.a.	n.a.
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,032	0,040	0,022
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,04	0,05	0,02
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,027	0,030	0,041	0,044
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.	0,088	0,125	0,133
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,38	0,51	0,53
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,092	0,102	0,072	0,066
Average electricity consumption of households per capita	kWh/cap	111	233	525	441
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	0,001	0,004	0,006	0,010
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	6	40	65	99
Unit consumption of services per employee	toe/emp	n.a.	n.a.	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,010	0,012	0,012
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.	n.a.	n.a.	n.a.
CO2 emissions of service sector per employee	tCO2/emp	n.a.	n.a.	n.a.	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	n.a.	n.a.	n.a.
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	n.a.	n.a.	n.a.
Transformation sector					
Overall efficiency of energy transformations	%	90,9	94,2	90,3	87,7
Efficiency of total electricity generation	%	56,2	98,2	100,0	100,0
Rate of electricity transmission-distribution losses	%	5,7	0,3	2,7	4,5
Efficiency of thermal power plants	%	15,3	5,0	n.a.	n.a.
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	%	0	2,8	0,1	n.a.
Share of biomass in industry energy consumption	%	91,1	89,6	88,1	87,8
Share of renewables in electricity generating capacity	%	77,6	99,3	99,3	99,4
Share of renewables in gross electricity consumption	%	81,1	1227,2	872,1	714,4

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	4506	4371	4097	4003
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	14,6	17,3
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	0,83	1,97