

Guinea

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,352	0,324	0,266	0,234
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,058	0,069	0,066	0,059
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,307	0,296	0,247	0,191
Final energy intensity (at ppp)	koe/\$95p	0,337	0,271	0,213	0,181
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,330	0,271	0,219	0,174
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,228	0,211	0,177	0,138
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,209	0,195	0,175
CO2 emissions per capita	tCO2/cap	n.a.	0,31	0,31	0,29
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,081	0,129	0,112	0,089
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,614	0,959	0,808	0,668
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	0,212	0,352	0,313	0,234
CO2 emissions of industry ² per capita	tCO2/cap	0,09	0,15	0,15	0,12
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,020	0,021	0,017	0,014
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.	0,062	0,051	0,043
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,09	0,08	0,07
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,355	0,264	0,210	0,167
Average electricity consumption of households per capita	kWh/cap	10	24	58	48
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	0,000	0,000	0,001	0,001
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	3	5	7	7
Unit consumption of services per employee	toe/emp	n.a.	n.a.	0,002	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	27	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.	0,006	0,012	0,010
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	%	81,7	86,3	85,3	78,6
Efficiency of total electricity generation	%	30,3	45,1	44,8	37,7
Rate of electricity transmission-distribution losses	%	12,8	17,1	5,6	4,6
Efficiency of thermal power plants	%	22,4	37,1	31,6	29,8
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	0	0	0
Share of biomass in industry energy consumption	%	7,0	3,6	1,7	1,9
Share of renewables in electricity generating capacity	%	22,2	31,3	40,1	41,4
Share of renewables in gross electricity consumption	%	33,4	28,4	42,9	29,7

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	1394	1460	1585	1649
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.	3,33	5,71