

Kenya

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,607	0,518	0,519	0,502
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,126	0,113	0,132	0,129
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,652	0,682	0,426	0,411
Final energy intensity (at ppp)	koe/\$95p	0,587	0,516	0,326	0,316
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,596	0,548	0,322	0,317
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,483	0,486	0,305	0,297
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,262	0,304	0,265
CO2 emissions per capita	tCO2/cap	n.a.	0,27	0,29	0,27
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,124	0,156	0,130	0,154
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,208	0,240	0,193	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.	0,375	0,202	0,247
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,06	0,03	0,04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,063	0,049	0,043	0,046
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.	0,146	0,128	0,133
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,15	0,12	0,13
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,711	0,673	0,364	0,348
Average electricity consumption of households per capita	kWh/cap	28	33	26	35
Average electricity consumption per household	kWh/hh	n.a.	n.a.	115	159
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	0,027	0,002	0,003	0,002
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	60	17	29	35
Unit consumption of services per employee	toe/emp	0,04	0,004	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	85	25	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,017	0,010	0,009	0,010
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	0,024	0,036	0,054	0,023
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	0,16	0,07
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	0,066	0,003	0	n.a.
CO2 emissions of service sector per employee	tCO2/emp	0,09	0,004	n.a.	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,030	0,026	0,025
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,01	0,01	0,01
Transformation sector					
Overall efficiency of energy transformations	%	87,8	80,8	60,6	60,3
Efficiency of total electricity generation	%	54,0	89,1	28,8	37,8
Rate of electricity transmission-distribution losses	%	16,0	16,0	21,1	16,9
Efficiency of thermal power plants	%	25,3	38,3	18,8	17,9
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	%	0	6,3	20,3	16,4
Share of renewables in electricity generating capacity	%	68,0	75,1	74,5	66,8
Share of renewables in gross electricity consumption	%	58,7	87,2	40,8	63,3

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	996	1031	947	1009
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.	n.a.	n.a.