

Kenya

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.348	0.330	0.367	0.324
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.089	0.080	0.093	0.079
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.290	0.290	0.271	0.249
Final energy intensity (at ppp)	koe/\$05p	0.241	0.224	0.231	0.213
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.241	0.232	0.224	0.208
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.213	0.203	0.191	0.177
Ratio final/primary intensity	%	70.2	68.3	63.3	65.8
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.184	0.215	0.183
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.27	0.28	0.27
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.087	0.102	0.070	0.080
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.145	0.157	0.104	0.126
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	100	100	100
Share of industrial cogeneration in power generation	%	0	0	0	0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.253	0.136	0.167
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.06	0.03	0.04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.044	0.034	0.030	0.031
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	0.90	0.40
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.102	0.090	0.093
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.15	0.12	0.14
Households					
Average electricity consumption of households per capita	kWh/cap	28	33	26	37
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	730	890
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	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.12	0.16	0.11
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.018	0.002	0.002	0.002
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	41	11	20	21
Unit consumption of services per employee	toe/emp	0.04	0.00	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	98	28	n.a.	n.a.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	n.a.	n.a.	n.a.
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.012	0.006	0.006	0.007
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.020	0.017	0.022
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.01	0.01	0.01
Transformation sector					
Efficiency of total electricity generation	%	31.7	47.3	28.9	40.5
Rate of electricity transmission-distribution losses	%	16.2	18.5	27.2	19.9
Efficiency of thermal power plants	%	13.9	10.7	18.9	17.5
Share of renewables in electricity generating capacity	%	68.0	75.1	74.5	66.8
Share of renewables in gross electricity consumption	%	73.6	92.9	48.1	74.0

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	1378	1425	1287	1470
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	2.46	1.99