

Tanzania

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,921	0,808	0,830	0,901
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,096	0,073	0,061	0,073
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,783	0,802	0,904	1,080
Final energy intensity (at ppp)	koe/\$95p	0,885	0,788	0,743	0,749
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,923	0,812	0,818	1,036
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,581	0,572	0,647	0,780
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,144	0,160	0,181
CO2 emissions per capita	tCO2/cap	n.a.	0,07	0,07	0,11
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,062	0,073	0,486	0,428
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,119	0,142	0,991	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.	0,182	0,215	0,206
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,01	0,02	0,02
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,033	0,025	0,029	0,042
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.	0,064	0,080	0,119
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,03	0,04	0,07
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	1,016	0,893	0,792	1,037
Average electricity consumption of households per capita	kWh/cap	11	17	34	30
Average electricity consumption per household	kWh/hh	n.a.	n.a.	179	164
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	1706	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	0,007	0,009	0,002	0,002
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	75	100	20	23
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	0,001	0,001	0,077	0,078
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,033	0,023	0,037
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	0,04	0,07
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	%	66,9	74,1	91,2	94,5
Efficiency of total electricity generation	%	53,1	65,4	63,7	87,0
Rate of electricity transmission-distribution losses	%	13,6	20,0	22,4	23,3
Efficiency of thermal power plants	%	13,4	8,4	19,3	24,7
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	0	84,6	82,4
Share of renewables in electricity generating capacity	%	65,4	70,5	69,0	63,2
Share of renewables in gross electricity consumption	%	86,4	95,1	84,5	90,9

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	465	463	466	585
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.