

# Tanzania

Energy Efficiency/CO <sub>2</sub> <sup>1</sup> Indicators	Units	1980	1990	2000	<sup>4</sup> 2008
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.566	0.497	0.511	0.433
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.055	0.041	0.035	0.052
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.534	0.521	0.474	0.462
Final energy intensity (at ppp)	koe/\$05p	0.500	0.445	0.458	0.375
Final energy intensity at 2005 GDP structure <sup>3</sup> (ppp)	koe/\$05p	0.461	0.417	0.391	0.391
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.393	0.364	0.334	0.328
Ratio final/primary intensity	%	88.8	89.8	89.7	86.6
CO <sub>2</sub> intensity (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.084	0.096	0.134
CO <sub>2</sub> emissions per capita	tCO <sub>2</sub> /cap	n.a.	0.06	0.07	0.14
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.277	0.310	0.300	0.247
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.534	0.598	0.613	0.551
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	0	0	0	0
Share of electric process in steel production	%	0	0	0	0
Share of industrial cogeneration in power generation	%	0	0	0	0
CO <sub>2</sub> intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.113	0.133	0.096
CO <sub>2</sub> emissions of industry <sup>2</sup> per capita	tCO <sub>2</sub> /cap	n.a.	0.01	0.02	0.02
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.016	0.012	0.015	0.025
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.52
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 <sub>2</sub> intensity of transport to GDP (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	0.035	0.046	0.077
CO <sub>2</sub> emissions of transport per capita	tCO <sub>2</sub> /cap	n.a.	0.03	0.04	0.08
<b>Households</b>					
Average electricity consumption of households per capita	kWh/cap	11	17	35	36
Average electricity consumption of electrified households	kWh/hh	n.a.	1407	1663	1431
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 <sup>2</sup> /1000inhab	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of residential sector per household	tCO <sub>2</sub> /hh	n.a.	0.07	0.04	0.07
<b>Services</b>					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.004	0.005	0.001	0.001
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	47	62	13	17
Unit consumption of services per employee	toe/emp	n.a.	0.02	0.00	0.01
Unit electricity consumption of services per employee	kWh/emp	n.a.	266	42	61
CO <sub>2</sub> intensity of service sector (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of service sector per employee	tCO <sub>2</sub> /emp	n.a.	n.a.	n.a.	n.a.
<b>Agriculture</b>					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.057	0.046	0.048	0.040
CO <sub>2</sub> intensity of agriculture (to value added) (at ppp)	kCO <sub>2</sub> /\$05p	n.a.	n.a.	n.a.	n.a.
CO <sub>2</sub> emissions of agriculture sector per capita	tCO <sub>2</sub> /cap	n.a.	n.a.	n.a.	n.a.
<b>Transformation sector</b>					
Efficiency of total electricity generation	%	53.6	65.9	64.1	57.1
Rate of electricity transmission-distribution losses	%	15.8	24.9	29.0	30.6
Efficiency of thermal power plants	%	13.6	8.6	19.6	34.8
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	86.4	59.9

<sup>1</sup> CO<sub>2</sub> from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

<sup>4</sup> Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	848	861	857	1167
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.	1.78	3.13