

Nigeria

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	2008 ⁴
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.470	0.569	0.543	0.438
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.085	0.113	0.100	0.093
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.247	0.334	0.577	1.013
Final energy intensity (at ppp)	koe/\$05p	0.438	0.504	0.494	0.391
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.151	0.186	0.309	0.523
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.181	0.234	0.407	0.719
Ratio final/primary intensity	%	94.2	89.0	91.5	89.3
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.227	0.246	0.224
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.30	0.32	0.37
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.119	0.179	0.183	0.160
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.818	0.908	0.937	0.690
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.	0.105	0.075	0.077
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.04	0.03	0.04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.041	0.031	0.042	0.030
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.
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.	0.092	0.123	0.087
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.12	0.16	0.14
Households					
Average electricity consumption of households per capita	kWh/cap	30	42	36	66
Average electricity consumption of electrified households	kWh/hh	n.a.	706	381	496
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.	0.24	0.16	0.20
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.003	0.004	0.004	0.005
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	31	49	42	58
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.
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	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	n.a.	n.a.	n.a.
Transformation sector					
Efficiency of total electricity generation	%	41.4	43.9	43.0	44.0
Rate of electricity transmission-distribution losses	%	46.3	66.8	65.5	13.9
Efficiency of thermal power plants	%	30.2	34.5	31.5	36.2
Share of renewables in electricity generating capacity	%	34.2	40.9	50.6	22.2
Share of renewables in gross electricity consumption	%	38.8	32.6	39.0	27.9

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	1749	1464	1456	1924
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	0.40	0.23	0.75	1.02