

Niger

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,176	0,242	0,280	0,250
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,036	0,033	0,039	0,033
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,112	0,135	0,176	0,169
Final energy intensity (at ppp)	koe/\$95p	0,112	0,133	0,150	0,139
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,118	0,132	0,163	0,163
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,083	0,096	0,126	0,122
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,107	0,123	0,101
CO2 emissions per capita	tCO2/cap	n.a.	0,08	0,08	0,07
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,014	0,021	0,021	0,019
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,038	0,056	0,055	0,049
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.	0,020	0,019	0,016
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,00	0,00	0,00
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,023	0,010	0,017	0,015
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.	0,031	0,051	0,045
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,02	0,03	0,03
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,108	0,137	0,165	0,168
Average electricity consumption of households per capita	kWh/cap	6	8	10	13
Average electricity consumption per household	kWh/hh	n.a.	n.a.	n.a.	n.a.
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	0	0	0
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	4	5	5	3
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	n.a.	n.a.	n.a.	n.a.
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,002	0,010	0,007
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	n.a.	n.a.
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	%	75,2	47,8	63,7	64,8
Efficiency of total electricity generation	%	18,9	13,3	14,5	13,4
Rate of electricity transmission-distribution losses	%	37,2	36,3	10,2	34,3
Efficiency of thermal power plants	%	18,9	13,3	14,5	13,4
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	0	0
Share of renewables in electricity generating capacity	%	0	0	0	0
Share of renewables in gross electricity consumption	%	0	0	0	0

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	1029	745	639	677
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	49,6	51,2
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	2,41	2,73