

Niger

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.203	0.280	0.324	0.263
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.041	0.038	0.045	0.036
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.129	0.146	0.180	0.172
Final energy intensity (at ppp)	koe/\$05p	0.129	0.154	0.173	0.152
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.118	0.130	0.161	0.158
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.095	0.102	0.127	0.122
Ratio final/primary intensity	%	63.7	55.0	53.4	57.7
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.123	0.141	0.108
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.09	0.08	0.07
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.017	0.024	0.025	0.025
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.044	0.066	0.064	0.063
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.	n.a.	n.a.	n.a.
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.	0.023	0.023	0.025
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.00	0.00	0.00
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.026	0.012	0.020	0.016
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	1.04	0.80
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.	0.035	0.058	0.048
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.02	0.03	0.03
Households					
Average electricity consumption of households per capita	kWh/cap	7	9	10	18
Average electricity consumption of electrified households	kWh/hh	n.a.	1315	819	994
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.	0.01	0.03	0.02
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.000	0.000	0.000	0.000
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	4	6	5	4
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	%	19.0	13.3	14.5	13.5
Rate of electricity transmission-distribution losses	%	54.4	45.5	9.3	8.8
Efficiency of thermal power plants	%	19.0	13.3	14.5	13.5
Share of renewables in electricity generating capacity	%	n.a.	n.a.	n.a.	n.a.
Share of renewables in gross electricity consumption	%	n.a.	n.a.	n.a.	n.a.

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	925	677	568	632
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	39.7	n.a.
Average price of motor fuels (at ppp)	\$05p/l	1.29	n.a.	2.06	2.62