

Senegal

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,276	0,237	0,196	0,160
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,125	0,093	0,114	0,092
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,285	0,249	0,167	0,123
Final energy intensity (at ppp)	koe/\$95p	0,256	0,218	0,122	0,092
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,241	0,214	0,132	0,101
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,211	0,177	0,120	0,089
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,273	0,330	0,255
CO2 emissions per capita	tCO2/cap	n.a.	0,32	0,40	0,35
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,172	0,064	0,024	0,017
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,220	0,089	0,038	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.	0,147	0,168	0,117
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,03	0,04	0,04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,064	0,042	0,051	0,032
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.	0,125	0,152	0,098
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,15	0,19	0,13
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,184	0,200	0,097	0,082
Average electricity consumption of households per capita	kWh/cap	15	17	74	94
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	0,001	0,002	0,004	0,004
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	15	18	34	45
Unit consumption of services per employee	toe/emp	0,02	0,02	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	194	191	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,011	0,028	0,001	0,001
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,017	0,041	0,028
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.	0,002	0,001
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.	0,084	n.a.	n.a.
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,02	n.a.	n.a.
Transformation sector					
Overall efficiency of energy transformations	%	80,2	73,0	72,5	61,1
Efficiency of total electricity generation	%	28,7	29,4	24,7	27,9
Rate of electricity transmission-distribution losses	%	9,6	13,4	14,1	15,9
Efficiency of thermal power plants	%	28,7	29,4	24,7	25,8
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	12,0
Share of renewables in gross electricity consumption	%	0	0	0	10,2

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	1169	1186	1222	1368
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.	1,41	n.a.