

Senegal

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.189	0.158	0.166	0.137
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.082	0.068	0.086	0.075
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.165	0.121	0.126	0.116
Final energy intensity (at ppp)	koe/\$05p	0.125	0.100	0.099	0.087
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.131	0.099	0.100	0.092
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.122	0.085	0.089	0.082
Ratio final/primary intensity	%	66.8	63.8	60.2	64.1
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.187	0.239	0.216
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.25	0.33	0.34
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.125	0.054	0.061	0.057
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.152	0.075	0.091	0.096
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.	0.124	0.224	0.227
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.03	0.06	0.07
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.029	0.022	0.026	0.029
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	1.30	0.82
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.	0.067	0.079	0.087
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.09	0.11	0.14
Households					
Average electricity consumption of households per capita	kWh/cap	15	17	38	46
Average electricity consumption of electrified households	kWh/hh	n.a.	670	972	794
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.	0.15	0.30	0.24
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.001	0.002	0.004	0.004
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	15	18	34	48
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.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	0.002	0.001
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	0.011	0.031	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.	0.02	n.a.	n.a.
Transformation sector					
Efficiency of total electricity generation	%	25.3	28.5	25.2	31.9
Rate of electricity transmission-distribution losses	%	20.5	24.7	80.7	42.5
Efficiency of thermal power plants	%	25.3	28.5	25.2	28.8
Share of renewables in electricity generating capacity	%	0	0	0	0.0
Share of renewables in gross electricity consumption	%	5.9	4.7	3.3	15.9

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	1471	1420	1464	1638
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	43.2
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	1.70	1.99