

Gabon

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,297	0,220	0,216	0,220
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,171	0,089	0,087	0,091
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,282	0,292	0,307	0,281
Final energy intensity (at ppp)	koe/\$95p	0,215	0,189	0,194	0,200
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,198	0,157	0,180	0,185
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,209	0,208	0,219	0,203
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,194	0,226	0,239
CO2 emissions per capita	tCO2/cap	n.a.	1,15	1,27	1,35
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,138	0,026	0,100	0,136
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,689	0,225	0,813	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.	0,065	0,181	0,202
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,20	0,49	0,57
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,022	0,031	0,025	0,024
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.	0,091	0,074	0,069
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,54	0,41	0,39
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,281	0,286	0,261	0,228
Average electricity consumption of households per capita	kWh/cap	237	244	404	442
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	0,006	0,010	0,010
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	10	64	59	60
Unit consumption of services per employee	toe/emp	0,02	0,08	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	275	980	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	n.a.	n.a.	0,014	0,014
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,042	0,033	0,031
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.	0,015	0,015
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.	0,044	0,041
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	n.a.	0,02	0,02
Transformation sector					
Overall efficiency of energy transformations	%	53,7	66,8	78,7	80,4
Efficiency of total electricity generation	%	73,9	50,7	48,2	47,3
Rate of electricity transmission-distribution losses	%	0,8	10,7	17,8	17,8
Efficiency of thermal power plants	%	n.a.	22,3	26,6	30,2
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	51,9	57,3
Share of renewables in electricity generating capacity	%	53,5	55,0	50,0	48,9
Share of renewables in gross electricity consumption	%	49,1	72,1	61,1	51,9

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	6782	5899	5608	5653
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.	0,62	n.a.