

Ghana

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.371	0.394	0.378	0.310
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.108	0.104	0.118	0.111
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.437	0.425	0.391	0.285
Final energy intensity (at ppp)	koe/\$05p	0.311	0.315	0.293	0.235
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.286	0.298	0.295	0.233
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.321	0.298	0.276	0.202
Ratio final/primary intensity	%	84.6	81.5	78.4	76.5
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.191	0.245	0.298
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.16	0.25	0.39
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.580	0.451	0.379	0.223
Energy intensity of manufacturing (at ppp)	koe/\$05p	1.536	1.195	1.029	0.606
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	%	0	0	100	100
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.	0.238	0.287	0.228
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.02	0.03	0.04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.038	0.040	0.047	0.042
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.40
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.	0.117	0.140	0.125
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.10	0.14	0.16
Households					
Average electricity consumption of households per capita	kWh/cap	52	58	79	98
Average electricity consumption of electrified households	kWh/hh	n.a.	810	700	746
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.	0.09	0.06	0.13
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.002	0.002	0.007	0.006
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	0	1	51	63
Unit consumption of services per employee	toe/emp	n.a.	0.01	0.02	0.02
Unit electricity consumption of services per employee	kWh/emp	n.a.	3	168	248
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.007	0.007	0.002
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.02	0.02	0.01
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.007	0.008	0.022	0.023
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.023	0.067	0.071
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.01	0.03	0.03
Transformation sector					
Efficiency of total electricity generation	%	98.6	100.0	85.1	51.8
Rate of electricity transmission-distribution losses	%	6.1	3.8	20.3	23.8
Efficiency of thermal power plants	%	34.7	n.a.	32.6	33.4
Share of renewables in electricity generating capacity	%	87.4	90.3	62.3	57.0
Share of renewables in gross electricity consumption	%	99.2	100.0	91.5	53.4

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	983	897	1047	1342
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	0.72	1.92