

Egypt

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.142	0.175	0.163	0.176
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.134	0.169	0.158	0.172
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.123	0.154	0.129	0.133
Final energy intensity (at ppp)	koe/\$05p	0.112	0.115	0.105	0.112
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.105	0.120	0.103	0.113
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.090	0.108	0.091	0.094
Ratio final/primary intensity	%	84.9	72.5	71.7	70.4
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.422	0.388	0.433
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	1.40	1.62	2.30
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.170	0.207	0.133	0.144
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.309	0.366	0.226	0.249
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	57.6	58.5	83.9
Share of industrial cogeneration in power generation	%	0.0	0.0	0.0	0.0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.521	0.316	0.336
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.47	0.42	0.56
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.025	0.028	0.033	0.031
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	1.02
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	0.0	0.0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.085	0.101	0.092
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.28	0.42	0.49
Households					
Average electricity consumption of households per capita	kWh/cap	104	242	354	574
Average electricity consumption of electrified households	kWh/hh	n.a.	1194	1532	2220
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.	0.80	0.68	0.72
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.001	0.004	0.009	0.012
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	4	50	102	135
Unit consumption of services per employee	toe/emp	0.01	0.06	0.12	0.17
Unit electricity consumption of services per employee	kWh/emp	40	703	1393	2021
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	0.004	0.004	0.007	0.045
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	0.006	0.116
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	n.a.	0.00	0.08
Transformation sector					
Efficiency of total electricity generation	%	46.3	41.2	47.1	44.6
Rate of electricity transmission-distribution losses	%	15.4	11.6	16.7	11.8
Efficiency of thermal power plants	%	29.4	34.9	42.2	41.5
Share of renewables in electricity generating capacity	%	50.2	23.4	18.6	13.7
Share of renewables in gross electricity consumption	%	51.8	23.5	17.7	11.9

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	2432	3184	3992	5006
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.	0.47	0.41	0.80