

# Egypt

Energy Efficiency/CO2 <sup>1</sup> Indicators	Units	1980	1990	2000	2005
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,191	0,234	0,216	0,236
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,181	0,226	0,210	0,231
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,167	0,209	0,176	0,175
Final energy intensity (at ppp)	koe/\$95p	0,144	0,155	0,141	0,143
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	0,135	0,165	0,141	0,146
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,124	0,149	0,126	0,126
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,565	0,512	0,561
CO2 emissions per capita	tCO2/cap	n.a.	1,39	1,62	1,95
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,228	0,278	0,183	0,179
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,415	0,492	0,311	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	0,66	0,31	0,24	0,15
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	0,703	0,442	0,407
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	0,47	0,43	0,41
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,036	0,040	0,047	0,047
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.	0,115	0,133	0,134
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,28	0,42	0,46
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,037	0,049	0,042	0,043
Average electricity consumption of households per capita	kWh/cap	104	240	350	433
Average electricity consumption per household	kWh/hh	n.a.	n.a.	1521	n.a.
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	1770	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	0,012	0,015
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	5	67	137	165
Unit consumption of services per employee	toe/emp	0,01	0,06	0,10	n.a.
Unit electricity consumption of services per employee	kWh/emp	32	639	1150	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,005	0,005	0,010	0,031
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,092	0,067	0,067
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	0,69	n.a.
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	n.a.	n.a.	n.a.
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.	0,008	0,067
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	n.a.	0,003	0,03
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	84,6	72,0	71,8	67,1
Efficiency of total electricity generation	%	46,3	41,2	47,1	42,2
Rate of electricity transmission-distribution losses	%	12,6	10,0	13,8	14,0
Efficiency of thermal power plants	%	29,4	34,9	42,2	39,2
<b>Diffusion of energy/CO2 efficient technologies and practices</b>					
Per capita installed capacity of solar water heaters	m <sup>2</sup> /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	%	6,8	5,0	5,5	5,5
Share of renewables in electricity generating capacity	%	50,2	23,4	18,6	15,1
Share of renewables in gross electricity consumption	%	51,8	23,5	17,7	12,0

<sup>1</sup> CO2 from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	1836	2464	3170	3468
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.	0,36	0,32	0,43