

Tunisia

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	0.152	0.141	0.122
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.120	0.133	0.123	0.106
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.125	0.145	0.132	0.109
Final energy intensity (at ppp)	koe/\$05p	0.101	0.113	0.104	0.085
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.097	0.109	0.103	0.087
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.092	0.101	0.093	0.077
Ratio final/primary intensity	%	73.1	74.2	76.0	70.9
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.364	0.336	0.277
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	1.45	1.81	2.01
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.116	0.142	0.107	0.084
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.186	0.248	0.172	0.133
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.	22.0	25.8	100.0
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.	0.390	0.285	0.192
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.45	0.45	0.36
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.025	0.025	0.026	0.021
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	0.80	0.73
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.	0.075	0.077	0.062
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.30	0.41	0.45
Households					
Average electricity consumption of households per capita	kWh/cap	77	134	229	313
Average electricity consumption of electrified households	kWh/hh	n.a.	951	1157	1354
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	0	9.5	12.5	25.0
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.72	0.82	0.86
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.011	0.013	0.017	0.015
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	26	39	61	61
Unit consumption of services per employee	toe/emp	0.19	n.a.	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	475	n.a.	n.a.	n.a.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.029	0.033	0.028
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	0.041	0.047	0.055	0.052
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.133	0.153	0.137
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.08	0.11	0.11
Transformation sector					
Efficiency of total electricity generation	%	28.8	35.1	36.8	38.6
Rate of electricity transmission-distribution losses	%	17.4	14.1	13.9	17.0
Efficiency of thermal power plants	%	28.6	34.9	36.6	38.4
Share of renewables in electricity generating capacity	%	3.0	4.5	3.0	2.4
Share of renewables in gross electricity consumption	%	0.8	0.8	0.8	0.6

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	3617	4019	5444	7391
Average electricity price (at ppp)	c05p/kWh	n.a.	20.2	15.5	23.3
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	1.16	1.62