

Kuwait

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.254	0.353	0.256	0.211
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.254	0.353	0.256	0.211
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.059	0.192	0.086	0.084
Final energy intensity (at ppp)	koe/\$05p	0.111	0.176	0.086	0.076
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.034	0.093	0.042	0.042
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.043	0.135	0.061	0.060
Ratio final/primary intensity	%	45.6	54.7	38.8	40.5
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	1.050	0.599	0.528
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	11.09	21.85	24.58
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Energy intensity of manufacturing (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	0	0	0	0
Share of electric process in steel production	%	0	0	0	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.	n.a.	n.a.	n.a.
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	2.13	3.57	3.27
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.025	0.055	0.025	0.026
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.93
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.	0.160	0.072	0.077
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	1.69	2.63	3.60
Households					
Average electricity consumption of households per capita	kWh/cap	3058	4424	6249	7960
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.
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.	n.a.	n.a.	n.a.
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of services per employee	toe/emp	0.03	0.03	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	360	304	n.a.	n.a.
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	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	n.a.	n.a.	n.a.
Transformation sector					
Efficiency of total electricity generation	%	27.7	39.9	36.3	39.6
Rate of electricity transmission-distribution losses	%	10.0	8.7	14.6	15.6
Efficiency of thermal power plants	%	27.7	39.9	36.3	39.6
Share of renewables in electricity generating capacity	%	n.a.	n.a.	n.a.	n.a.
Share of renewables in gross electricity consumption	%	n.a.	n.a.	n.a.	n.a.

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	39580	9735	33603	46892
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	0.14	0.29	0.31	0.24