

# Kuwait

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	0,602	0,884	0,617	0,624
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,602	0,883	0,617	0,624
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,126	0,412	0,277	0,299
Final energy intensity (at ppp)	koe/\$95p	0,191	0,477	0,250	0,235
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	0,089	0,253	0,125	0,134
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,094	0,294	0,198	0,216
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	2,626	1,533	1,668
CO2 emissions per capita	tCO2/cap	n.a.	11,95	23,43	28,29
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Energy intensity of manufacturing (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	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	n.a.	n.a.	n.a.	n.a.
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	n.a.	n.a.	n.a.
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	2,13	3,31	2,49
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,073	0,149	0,073	0,086
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.	0,430	0,212	0,252
CO2 emissions of transport per capita	tCO2/cap	n.a.	1,96	3,24	4,27
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,038	0,245	0,122	0,111
Average electricity consumption of households per capita	kWh/cap	3058	4424	6249	7370
Average electricity consumption per household	kWh/hh	n.a.	n.a.	n.a.	n.a.
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.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	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.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	n.a.	n.a.	n.a.	n.a.
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	0,023	0,254	0,158	0,141
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	n.a.	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.	n.a.	n.a.
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	n.a.	n.a.	n.a.
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	47,2	58,5	41,6	39,6
Efficiency of total electricity generation	%	27,5	39,9	35,6	35,2
Rate of electricity transmission-distribution losses	%	8,0	6,7	10,8	12,2
Efficiency of thermal power plants	%	27,5	39,9	35,6	35,2
<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	%	0	0	0	0
Share of renewables in electricity generating capacity	%	0	0	0	0
Share of renewables in gross electricity consumption	%	0	0	0	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	18492	4548	15284	16959
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.	n.a.	0,24	0,27