

United Kingdom

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.193	0.154	0.130	0.101
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.193	0.153	0.129	0.099
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.162	0.135	0.115	0.093
Final energy intensity (at ppp)	koe/\$05p	0.119	0.096	0.083	0.065
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.116	0.093	0.081	0.066
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.119	0.094	0.081	0.066
Ratio final/primary intensity	%	66.0	68.0	68.4	69.5
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.419	0.317	0.256
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	9.60	8.89	8.41
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.127	0.087	0.084	0.073
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.150	0.131	0.128	0.116
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.383	0.248	0.254	0.166
Unit consumption of steel	toe/t	0.50	0.38	0.36	0.32
Share of electric process in steel production	%	40.6	26.2	23.8	22.5
Share of industrial cogeneration in power generation	%	0	3.1	7.1	7.0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.224	0.215	0.194
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.49	1.52	1.32
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.029	0.030	0.025	0.021
Average consumption of road transport per equivalent car	toe/car equiv.	1.06	1.14	1.09	0.92
Unit consumption of goods per ton km	toe/tkm	0.07	0.08	0.08	0.08
Share of biofuels in road transport energy consumption	%	0	0	0	1.7
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.089	0.074	0.063
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	2.04	2.07	2.08
Households					
Average electricity consumption of households per capita	kWh/cap	1529	1638	1899	1896
Average electricity consumption of electrified households	kWh/hh	4304	4236	4588	4499
Households consumption for electrical appliances and lighting	kWh/hh	2331	2855	2898	3051
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0.2	1.6	6.0
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	3.37	3.35	2.94
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.027	0.022	0.018	0.013
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	88	89	83	70
Unit consumption of services per employee	toe/emp	1.32	1.06	0.97	0.78
Unit electricity consumption of services per employee	kWh/emp	4261	4335	4562	4292
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.040	0.023	0.016
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	1.88	1.24	0.96
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.116	0.082	0.072	0.047
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.175	0.135	0.077
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.05	0.04	0.02
Transformation sector					
Efficiency of total electricity generation	%	33.8	36.2	40.8	43.0
Rate of electricity transmission-distribution losses	%	9.6	9.5	10.3	10.0
Efficiency of thermal power plants	%	33.4	36.5	43.1	44.0
Share of renewables in electricity generating capacity	%	3.3	5.8	7.1	10.1
Share of renewables in gross electricity consumption	%	1.8	2.5	3.5	7.1

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	18482	23599	29172	33733
Average electricity price (at ppp)	c05p/kWh	14.3	12.4	9.3	14.6
Average price of motor fuels (at ppp)	\$05p/l	1.22	0.97	1.40	1.59