

China

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,872	0,518	0,238	0,234
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,622	0,403	0,192	0,204
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	1,008	0,500	0,212	0,209
Final energy intensity (at ppp)	koe/\$95p	0,707	0,372	0,161	0,144
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,835	0,393	0,156	0,158
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,747	0,356	0,152	0,151
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	1,284	0,610	0,641
CO2 emissions per capita	tCO2/cap	n.a.	1,98	2,28	3,66
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,784	0,383	0,128	0,120
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,957	0,465	0,160	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	1,864	0,550	0,252	n.a.
Unit consumption of steel	toe/t	1,64	0,92	0,73	0,48
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	1,268	0,347	0,306
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,79	0,69	1,02
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,036	0,022	0,016	0,015
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.	0,070	0,047	0,042
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,11	0,18	0,24
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,834	0,361	0,131	0,134
Average electricity consumption of households per capita	kWh/cap	11	42	132	217
Average electricity consumption per household	kWh/hh	55	186	478	781
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	485	n.a.
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	186	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,080	0,027	0,034	0,039
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	105	77	136	183
Unit consumption of services per employee	toe/emp	0,10	0,21	0,33	n.a.
Unit electricity consumption of services per employee	kWh/emp	138	607	1350	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,070	0,058	0,049	0,073
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,429	0,098	0,111
CO2 emissions of residential sector per household	tCO2/hh	n.a.	1,38	0,64	0,77
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,072	0,070	0,072
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,57	0,69	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,174	0,133	0,199
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,07	0,07	0,09
Transformation sector					
Overall efficiency of energy transformations	%	78,0	72,3	66,6	62,5
Efficiency of total electricity generation	%	27,5	31,7	34,4	34,2
Rate of electricity transmission-distribution losses	%	8,1	6,9	6,9	5,5
Efficiency of thermal power plants	%	23,4	27,0	30,5	30,1
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	3,1	4,5	19,8	60,8
Share of biofuels in road transport energy consumption	%	n.a.	n.a.	n.a.	n.a.
Share of biomass in industry energy consumption	%	n.a.	n.a.	n.a.	0
Share of renewables in electricity generating capacity	%	29,1	24,2	23,7	21,7
Share of renewables in gross electricity consumption	%	19,4	20,3	16,5	17,1

¹ CO2 from fuel combustion

² incl. autoproducers

³ by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	733	1540	3732	5707
Average electricity price (at ppp)	c95p/kWh	n.a.	9,4	n.a.	14,0
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	0,30	1,21