

Taiwan

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,327	0,256	0,237	0,264
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,326	0,256	0,237	0,261
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,218	0,187	0,168	0,165
Final energy intensity (at ppp)	koe/\$95p	0,193	0,149	0,129	0,126
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,169	0,141	0,133	0,135
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,162	0,133	0,120	0,119
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,603	0,616	0,644
CO2 emissions per capita	tCO2/cap	n.a.	5,62	9,74	11,30
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,300	0,223	0,215	0,213
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,385	0,273	0,258	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.	0,34	0,35	0,36
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,622	0,707	0,812
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	1,96	3,26	4,08
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,040	0,041	0,038	0,037
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.	0,120	0,112	0,108
CO2 emissions of transport per capita	tCO2/cap	n.a.	1,12	1,77	1,89
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,035	0,029	0,024	0,024
Average electricity consumption of households per capita	kWh/cap	407	812	1555	1780
Average electricity consumption per household	kWh/hh	n.a.	3213	5303	2484
Average electricity consumption of electrified households	kWh/hh	n.a.	3213	5303	2484
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	0,018	0,016	0,016	0,019
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	102	126	151	181
Unit consumption of services per employee	toe/emp	n.a.	n.a.	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,137	0,158	0,149	0,204
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,039	0,025	0,022
CO2 emissions of residential sector per household	tCO2/hh	n.a.	0,81	0,78	0,31
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,016	0,009	0,010
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.	0,424	0,365	0,508
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,14	0,11	0,13
Transformation sector					
Overall efficiency of energy transformations	%	66,7	67,5	62,7	63,4
Efficiency of total electricity generation	%	39,1	37,7	37,7	37,7
Rate of electricity transmission-distribution losses	%	6,5	5,9	4,5	3,8
Efficiency of thermal power plants	%	38,8	37,4	37,7	38,0
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /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	%	14,4	13,8	13,9	11,2
Share of renewables in gross electricity consumption	%	6,9	9,1	4,8	3,0

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	4996	9326	15804	17550
Average electricity price (at ppp)	c95p/kWh	n.a.	9,5	7,0	6,7
Average price of motor fuels (at ppp)	\$95p/l	n.a.	0,73	0,58	0,75