

Thailand

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,211	0,191	0,210	0,226
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,113	0,128	0,170	0,188
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,166	0,166	0,167	0,166
Final energy intensity (at ppp)	koe/\$95p	0,145	0,131	0,133	0,136
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,138	0,128	0,136	0,140
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,123	0,118	0,119	0,120
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,364	0,453	0,475
CO2 emissions per capita	tCO2/cap	n.a.	1,53	2,62	3,36
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,117	0,092	0,127	0,142
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,145	0,122	0,171	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	n.a.	0,499	0,162	n.a.
Unit consumption of steel	toe/t	n.a.	0,48	0,31	0,22
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,142	0,266	0,316
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,23	0,54	0,77
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,039	0,049	0,050	0,048
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.	0,146	0,150	0,144
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,61	0,87	1,02
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,082	0,060	0,041	0,041
Average electricity consumption of households per capita	kWh/cap	65	148	317	409
Average electricity consumption per household	kWh/hh	398	718	1241	1690
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	0,009	0,013	0,016	0,017
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	87	148	187	202
Unit consumption of services per employee	toe/emp	0,08	0,15	0,21	n.a.
Unit electricity consumption of services per employee	kWh/emp	781	1744	2432	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,053	0,059	0,077	0,084
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,018	0,020	0,018
CO2 emissions of residential sector per household	tCO2/hh	n.a.	0,21	0,26	0,30
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.	0,180	0,234	0,254
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,10	0,14	0,18
Transformation sector					
Overall efficiency of energy transformations	%	76,5	72,9	68,9	64,4
Efficiency of total electricity generation	%	36,0	39,8	40,5	41,3
Rate of electricity transmission-distribution losses	%	9,8	10,6	7,9	8,3
Efficiency of thermal power plants	%	33,9	37,0	38,9	40,2
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	%	33,7	35,2	26,4	23,6
Share of renewables in electricity generating capacity	%	33,0	23,4	12,1	12,5
Share of renewables in gross electricity consumption	%	8,4	11,1	6,1	4,2

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	2330	4206	5784	7066
Average electricity price (at ppp)	c95p/kWh	19,8	16,6	16,4	17,4
Average price of motor fuels (at ppp)	\$95p/l	1,37	0,81	0,96	1,33

Source : Enerdata www.enerdata.fr