

Thailand

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.208	0.187	0.208	0.211
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.107	0.122	0.167	0.173
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.159	0.153	0.157	0.146
Final energy intensity (at ppp)	koe/\$05p	0.141	0.125	0.128	0.121
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.132	0.120	0.128	0.122
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.117	0.107	0.110	0.103
Ratio final/primary intensity	%	68.7	67.8	67.2	66.9
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.345	0.438	0.423
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	1.43	2.51	3.30
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.115	0.091	0.128	0.135
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.143	0.121	0.172	0.182
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	0.492	0.207	n.a.
Unit consumption of steel	toe/t	n.a.	0.48	0.31	0.15
Share of electric process in steel production	%	n.a.	100	100	100
Share of industrial cogeneration in power generation	%	0	0	0	0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.140	0.272	0.311
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.23	0.57	0.87
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.032	0.041	0.043	0.036
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.64
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	1.6
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.122	0.127	0.107
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.50	0.73	0.83
Households					
Average electricity consumption of households per capita	kWh/cap	64	149	321	446
Average electricity consumption of electrified households	kWh/hh	n.a.	941	1503	2077
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0	0	1.4
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.20	0.25	0.35
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.006	0.009	0.017	0.018
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	66	106	200	215
Unit consumption of services per employee	toe/emp	0.08	0.15	0.22	0.26
Unit electricity consumption of services per employee	kWh/emp	845	1794	2545	3025
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	n.a.	n.a.	n.a.
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.051	0.057	0.057	0.049
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.174	0.174	0.150
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.10	0.14	0.17
Transformation sector					
Efficiency of total electricity generation	%	36.0	39.8	40.5	42.0
Rate of electricity transmission-distribution losses	%	10.8	12.2	9.8	6.5
Efficiency of thermal power plants	%	33.9	37.0	38.9	40.8
Share of renewables in electricity generating capacity	%	33.0	23.4	12.1	11.1
Share of renewables in gross electricity consumption	%	8.8	11.3	7.9	8.0

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	2123	3769	5298	7120
Average electricity price (at ppp)	c05p/kWh	19.6	17.2	16.3	16.1
Average price of motor fuels (at ppp)	\$05p/l	1.36	0.84	0.95	1.81