

# Indonesia

Energy Efficiency/CO2 <sup>1</sup> Indicators	Units	1980	1990	2000	2005
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,292	0,267	0,264	0,257
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,133	0,159	0,186	0,184
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,329	0,233	0,216	0,199
Final energy intensity (at ppp)	koe/\$95p	0,246	0,180	0,185	0,175
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	0,297	0,186	0,172	0,167
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,244	0,166	0,155	0,144
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,387	0,485	0,517
CO2 emissions per capita	tCO2/cap	n.a.	0,79	1,30	1,64
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,113	0,069	0,085	0,104
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,208	0,113	0,132	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	0,133	0,069	0,058	n.a.
Unit consumption of steel	toe/t	n.a.	0,45	0,62	0,42
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	0,203	0,256	0,283
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	0,18	0,34	0,43
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,031	0,030	0,037	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.	0,088	0,110	0,110
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,18	0,29	0,35
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,340	0,193	0,134	0,112
Average electricity consumption of households per capita	kWh/cap	16	48	148	192
Average electricity consumption per household	kWh/hh	76	226	583	729
Average electricity consumption of electrified households	kWh/hh	924	788	1106	n.a.
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	22	n.a.	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,004	0,007	0,019	0,021
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	26	31	64	79
Unit consumption of services per employee	toe/emp	0,02	0,04	0,12	0,14
Unit electricity consumption of services per employee	kWh/emp	121	201	395	521
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,010	0,013	0,022	0,018
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,085	0,076	0,062
CO2 emissions of residential sector per household	tCO2/hh	n.a.	0,48	0,56	0,51
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,011	0,034	0,048
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,07	0,21	0,32
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,040	0,069	0,068
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,02	0,03	0,03
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	78,3	63,8	68,2	65,3
Efficiency of total electricity generation	%	29,7	38,1	40,4	36,5
Rate of electricity transmission-distribution losses	%	18,4	13,7	10,9	11,8
Efficiency of thermal power plants	%	23,3	32,0	36,3	32,7
<b>Diffusion of energy/CO2 efficient technologies and practices</b>					
Per capita installed capacity of solar water heaters	m <sup>2</sup> /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	14,9	8,6	18,2
Share of renewables in electricity generating capacity	%	21,4	18,2	7,9	7,4
Share of renewables in gross electricity consumption	%	28,0	23,5	16,1	13,6

<sup>1</sup> CO2 from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

GDP / PRICES	units	1980	1990	2000	2005
GDP per capita (at ppp)	\$95p/cap	1330	2054	2683	3166
Average electricity price (at ppp)	c95p/kWh	n.a.	17,9	10,3	14,7
Average price of motor fuels (at ppp)	\$95p/l	0,39	0,61	0,32	0,70