

Indonesia

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.286	0.277	0.269	0.240
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.130	0.155	0.180	0.177
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.360	0.262	0.227	0.193
Final energy intensity (at ppp)	koe/\$05p	0.241	0.191	0.193	0.170
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.299	0.212	0.188	0.174
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.265	0.183	0.160	0.137
Ratio final/primary intensity	%	86.7	76.7	78.0	76.0
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.375	0.469	0.487
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.78	1.27	1.79
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.093	0.117	0.120	0.161
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.268	0.201	0.190	0.247
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	0.073	0.039
Unit consumption of steel	toe/t	n.a.	0.45	0.58	0.22
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.	0.229	0.281	0.483
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.18	0.34	0.74
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.029	0.028	0.037	0.027
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	0.70	0.85	0.60
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	0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.085	0.111	0.081
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.18	0.30	0.30
Households					
Average electricity consumption of households per capita	kWh/cap	16	48	148	223
Average electricity consumption of electrified households	kWh/hh	924	788	1120	14
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	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	0.48	0.56	0.37
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.005	0.008	0.013	0.012
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	32	35	69	83
Unit consumption of services per employee	toe/emp	0.02	0.05	0.08	0.10
Unit electricity consumption of services per employee	kWh/emp	127	208	402	698
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.013	0.018	0.012
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.07	0.10	0.10
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.012	0.015	0.024	0.022
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.045	0.073	0.067
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.02	0.03	0.03
Transformation sector					
Efficiency of total electricity generation	%	29.8	40.3	43.3	40.9
Rate of electricity transmission-distribution losses	%	23.8	16.9	12.7	10.9
Efficiency of thermal power plants	%	23.4	34.1	39.0	37.5
Share of renewables in electricity generating capacity	%	21.4	18.2	10.7	12.8
Share of renewables in gross electricity consumption	%	28.0	23.5	16.1	13.3

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	1345	2077	2714	3674
Average electricity price (at ppp)	c05p/kWh	n.a.	14.3	10.2	11.7
Average price of motor fuels (at ppp)	\$05p/l	0.31	0.49	0.32	1.00