

Nepal

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,421	0,337	0,289	0,279
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,017	0,021	0,041	0,033
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,381	0,338	0,339	0,320
Final energy intensity (at ppp)	koe/\$95p	0,420	0,335	0,287	0,277
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,390	0,302	0,283	0,275
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,282	0,241	0,243	0,231
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,049	0,106	0,079
CO2 emissions per capita	tCO2/cap	n.a.	0,04	0,12	0,09
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,063	0,035	0,060	0,046
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,182	0,101	0,143	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.	n.a.	n.a.	n.a.
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,067	0,174	0,107
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,01	0,05	0,03
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,006	0,007	0,011	0,010
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.	0,019	0,028	0,025
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,02	0,03	0,03
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,490	0,377	0,337	0,333
Average electricity consumption of households per capita	kWh/cap	5	14	22	28
Average electricity consumption per household	kWh/hh	n.a.	n.a.	n.a.	n.a.
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	0,007	0,008	0,011	0,013
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	8	21	21	26
Unit consumption of services per employee	toe/emp	n.a.	0,04	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	87	n.a.	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,003	0,004	0,007	0,005
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,014	0,034	0,029
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	n.a.	n.a.
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,005	0,014	0,016
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,02	n.a.	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,011	0,021	0,012
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,00	0,01	0,01
Transformation sector					
Overall efficiency of energy transformations	%	95,6	92,3	95,0	94,9
Efficiency of total electricity generation	%	90,8	100,1	97,6	99,7
Rate of electricity transmission-distribution losses	%	21,2	18,9	21,2	19,4
Efficiency of thermal power plants	%	38,8	n.a.	40,3	35,8
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	%	31,2	32,0	11,9	18,0
Share of renewables in electricity generating capacity	%	66,7	84,7	81,2	88,0
Share of renewables in gross electricity consumption	%	87,5	105,5	92,7	102,7

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	717	900	1150	1189
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	n.a.	n.a.