

Nepal

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.538	0.430	0.368	0.336
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.020	0.026	0.049	0.044
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.531	0.436	0.410	0.358
Final energy intensity (at ppp)	koe/\$05p	0.536	0.428	0.365	0.333
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.513	0.400	0.370	0.329
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.390	0.305	0.289	0.254
Ratio final/primary intensity	%	99.8	99.5	99.2	99.1
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.063	0.135	0.108
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.04	0.12	0.11
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.112	0.062	0.106	0.091
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.253	0.141	0.198	0.189
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	0	0	0	0
Share of electric process in steel production	%	0	0	0	0
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.	0.118	0.307	0.228
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.01	0.05	0.04
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.006	0.008	0.011	0.010
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	0.45
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.	0.023	0.035	0.030
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.02	0.03	0.03
Households					
Average electricity consumption of households per capita	kWh/cap	5	14	22	32
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	n.a.	268
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.	0.06	0.16	0.14
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.007	0.008	0.011	0.014
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	8	21	21	26
Unit consumption of services per employee	toe/emp	n.a.	n.a.	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.005	0.014	0.018
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.03	n.a.	n.a.
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.003	0.005	0.009	0.007
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.015	0.026	0.020
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.00	0.01	0.01
Transformation sector					
Efficiency of total electricity generation	%	91.0	100.1	97.6	99.2
Rate of electricity transmission-distribution losses	%	27.9	28.2	27.5	28.9
Efficiency of thermal power plants	%	39.5	n.a.	40.3	29.9
Share of renewables in electricity generating capacity	%	66.7	84.7	81.2	88.0
Share of renewables in gross electricity consumption	%	93.5	99.9	98.4	99.6

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	564	710	905	1028
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	1.61	2.28