

Peru

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.107	0.100	0.085	0.070
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.074	0.073	0.070	0.058
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.109	0.112	0.092	0.071
Final energy intensity (at ppp)	koe/\$05p	0.086	0.087	0.073	0.057
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.088	0.087	0.073	0.058
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.080	0.078	0.065	0.051
Ratio final/primary intensity	%	81.4	87.8	87.1	83.1
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.192	0.178	0.146
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	0.86	1.00	1.17
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.092	0.076	0.078	0.065
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.142	0.125	0.143	0.122
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	58.0	61.8	73.0
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.	0.218	0.201	0.143
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.25	0.31	0.34
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.019	0.024	0.022	0.018
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	1.07	1.04
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.	0.071	0.066	0.054
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.32	0.37	0.43
Households					
Average electricity consumption of households per capita	kWh/cap	174	196	196	434
Average electricity consumption of electrified households	kWh/hh	n.a.	2285	1194	2420
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.	0.62	0.51	0.30
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.003	0.004	0.003	0.001
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	n.a.	n.a.	20	3
Unit consumption of services per employee	toe/emp	n.a.	0.03	0.03	0.01
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	177	33
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.012	0.004	0.001
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	0.11	0.04	0.01
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.045	0.043	0.042	0.023
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.079	0.082	0.048
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.03	0.04	0.03
Transformation sector					
Efficiency of total electricity generation	%	56.4	67.3	70.5	62.1
Rate of electricity transmission-distribution losses	%	25.8	25.0	14.5	9.3
Efficiency of thermal power plants	%	28.1	33.2	31.0	40.3
Share of renewables in electricity generating capacity	%	64.7	60.0	47.1	45.6
Share of renewables in gross electricity consumption	%	70.7	76.8	82.0	60.4

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	6069	4458	5513	7863
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	18.3	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	1.17	n.a.