

# Bolivia

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	0,192	0,216	0,266	0,247
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,133	0,157	0,227	0,213
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,172	0,198	0,176	0,190
Final energy intensity (at ppp)	koe/\$95p	0,152	0,162	0,140	0,152
Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)	koe/\$95p	0,152	0,160	0,140	0,154
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,127	0,141	0,126	0,137
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,426	0,413	0,529
CO2 emissions per capita	tCO2/cap	n.a.	0,82	0,92	1,23
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,063	0,114	0,154	0,156
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,120	0,208	0,294	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 <sup>2</sup> (to value added) (at ppp)	kCO2/\$95p	n.a.	0,178	0,160	0,168
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	0,10	0,11	0,12
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,056	0,057	0,052	0,057
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.	0,168	0,152	0,171
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,32	0,34	0,40
<b>Residential, service and agriculture sectors</b>					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,098	0,084	0,048	0,056
Average electricity consumption of households per capita	kWh/cap	67	108	167	182
Average electricity consumption per household	kWh/hh	n.a.	n.a.	742	855
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	882	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	0,003	0,006	0,010	0,013
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	34	64	102	115
Unit consumption of services per employee	toe/emp	n.a.	0,02	0,03	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	182	369	n.a.
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,003	0,007	0,001	0,003
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,057	0,058	0,068
CO2 emissions of residential sector per household	tCO2/hh	n.a.	n.a.	0,44	0,56
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0	0,002	0,003
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0	0,01	n.a.
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,022	0,002	0,008
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,01	0,00	0,00
<b>Transformation sector</b>					
Overall efficiency of energy transformations	%	77,2	75,7	53,0	66,4
Efficiency of total electricity generation	%	51,4	45,1	48,9	37,1
Rate of electricity transmission-distribution losses	%	9,2	14,8	11,7	15,9
Efficiency of thermal power plants	%	25,2	26,8	32,4	23,6
<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	%	26,1	32,7	48,4	43,2
Share of renewables in electricity generating capacity	%	49,3	46,0	30,2	33,4
Share of renewables in gross electricity consumption	%	68,2	55,1	49,8	47,8

<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	2358	1916	2224	2324
Average electricity price (at ppp)	c95p/kWh	n.a.	n.a.	13,7	12,8
Average price of motor fuels (at ppp)	\$95p/l	n.a.	n.a.	1,13	1,04