

Venezuela

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,403	0,450	0,471	0,439
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,399	0,445	0,467	0,435
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,267	0,297	0,300	0,309
Final energy intensity (at ppp)	koe/\$95p	0,233	0,260	0,261	0,273
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,247	0,266	0,274	0,295
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,198	0,212	0,215	0,223
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,996	1,016	0,968
CO2 emissions per capita	tCO2/cap	n.a.	5,12	5,22	5,09
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,255	0,284	0,285	0,322
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,670	0,789	0,621	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	1,254	1,520	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	1,16	0,95	0,93
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,668	0,619	0,685
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	1,53	1,37	1,44
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,096	0,095	0,093	0,099
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	0,280	0,276	0,269	0,286
CO2 emissions of transport per capita	tCO2/cap	1,74	1,42	1,38	1,51
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,033	0,034	0,040	0,039
Average electricity consumption of households per capita	kWh/cap	421	481	627	690
Average electricity consumption per household	kWh/hh	n.a.	2404	2883	3166
Average electricity consumption of electrified households	kWh/hh	n.a.	2701	3067	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	0,015	0,030	0,040	0,036
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	164	231	364	342
Unit consumption of services per employee	toe/emp	0,22	0,31	0,29	0,28
Unit electricity consumption of services per employee	kWh/emp	2477	2364	2659	2657
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,004	0	0,024	0,014
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,054	0,057	0,055
CO2 emissions of residential sector per household	tCO2/hh	n.a.	1,01	0,92	0,98
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,024	0,020	0,016
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,25	0,15	0,12
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0	0,076	0,045
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0	0,02	0,01
Transformation sector					
Overall efficiency of energy transformations	%	59,9	59,2	58,2	63,3
Efficiency of total electricity generation	%	35,8	48,3	60,0	58,7
Rate of electricity transmission-distribution losses	%	14,4	18,0	24,3	26,8
Efficiency of thermal power plants	%	24,8	26,1	28,3	28,2
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	%	2,2	2,5	2,2	1,8
Share of renewables in electricity generating capacity	%	31,6	54,1	63,0	63,5
Share of renewables in gross electricity consumption	%	40,7	62,3	73,7	72,4

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	6202	5140	5135	5258
Average electricity price (at ppp)	c95p/kWh	n.a.	4,1	4,1	4,3
Average price of motor fuels (at ppp)	\$95p/l	n.a.	0,19	0,16	n.a.