

Portugal

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,110	0,138	0,150	0,159
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,103	0,119	0,134	0,142
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,115	0,130	0,146	0,152
Final energy intensity (at ppp)	koe/\$95p	0,084	0,093	0,107	0,112
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,082	0,092	0,107	0,113
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,085	0,092	0,105	0,110
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,299	0,346	0,359
CO2 emissions per capita	tCO2/cap	n.a.	3,88	5,72	5,87
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,141	0,138	0,147	0,144
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,211	0,197	0,219	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	0,312	0,334	0,344	n.a.
Unit consumption of steel	toe/t	0,43	0,34	0,27	n.a.
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,278	0,324	0,288
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	0,96	1,37	1,13
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,028	0,030	0,040	0,043
Average consumption of road transport per equivalent car	toe/car equiv.	0,87	0,76	0,68	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.	0,075	0,104	0,115
CO2 emissions of transport per capita	tCO2/cap	n.a.	0,97	1,72	1,88
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,017	0,030	0,026	0,029
Average electricity consumption of households per capita	kWh/cap	335	598	983	1221
Average electricity consumption per household	kWh/hh	1253	2041	3016	3473
Average electricity consumption of electrified households	kWh/hh	1253	2041	3016	3473
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	1484	2337	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,008	0,008	0,015	0,019
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	44	65	118	139
Unit consumption of services per employee	toe/emp	0,26	0,26	0,52	0,62
Unit electricity consumption of services per employee	kWh/emp	1511	2086	4164	4681
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,066	0,093	0,139	0,113
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,022	0,019	0,022
CO2 emissions of residential sector per household	tCO2/hh	n.a.	0,58	0,61	0,66
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,007	0,013	0,019
CO2 emissions of service sector per employee	tCO2/emp	n.a.	0,23	0,44	0,63
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,270	0,389	0,285
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,14	0,20	0,14
Transformation sector					
Overall efficiency of energy transformations	%	80,8	77,2	79,4	78,3
Efficiency of total electricity generation	%	54,9	48,5	49,6	46,0
Rate of electricity transmission-distribution losses	%	12,3	11,1	8,3	8,5
Efficiency of thermal power plants	%	36,4	38,8	41,7	42,0
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0,7	7,5	11,8
Share of biofuels in road transport energy consumption	%	0	0	0	0
Share of biomass in industry energy consumption	%	8,9	24,8	19,9	22,1
Share of renewables in electricity generating capacity	%	56,7	45,3	43,2	46,1
Share of renewables in gross electricity consumption	%	47,2	32,6	26,8	13,1

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	9547	12974	16505	16338
Average electricity price (at ppp)	c95p/kWh	16,4	19,9	14,2	13,7
Average price of motor fuels (at ppp)	\$95p/l	1,74	1,34	1,11	1,30