

Italia

Energy Efficiency/CO2 ¹ Indicators	Units	1980	1990	2000	2005
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$95p	0,151	0,133	0,129	0,134
Primary energy intensity excluding traditional fuels (ppp)	koe/\$95p	0,150	0,132	0,127	0,129
Primary energy intensity adjusted to EU structure (ppp)	koe/\$95p	0,222	0,129	0,117	0,122
Final energy intensity (at ppp)	koe/\$95p	0,105	0,094	0,093	0,096
Final energy intensity at 1995 GDP structure ³ (ppp)	koe/\$95p	0,173	0,092	0,086	0,091
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$95p	0,165	0,092	0,084	0,088
CO2 intensity (at ppp)	kCO2/\$95p	n.a.	0,341	0,315	0,326
CO2 emissions per capita	tCO2/cap	n.a.	6,88	7,32	7,87
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$95p	0,135	0,110	0,114	0,116
Energy intensity of manufacturing (at ppp)	koe/\$95p	0,191	0,154	0,154	n.a.
Energy intensity of chemicals industry (at ppp)	koe/\$95p	0,322	0,380	0,285	n.a.
Unit consumption of steel	toe/t	0,32	0,29	0,27	0,26
CO2 intensity of industry ² (to value added) (at ppp)	kCO2/\$95p	n.a.	0,274	0,214	0,243
CO2 emissions of industry ² per capita	tCO2/cap	n.a.	1,52	1,29	1,48
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$95p	0,029	0,031	0,032	0,033
Average consumption of road transport per equivalent car	toe/car equiv.	0,94	0,82	0,74	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.	0,085	0,086	0,090
CO2 emissions of transport per capita	tCO2/cap	n.a.	1,72	2,00	2,17
Residential, service and agriculture sectors					
Energy intensity of households (to private consumption) (at ppp)	koe/\$95p	0,165	0,034	0,020	0,025
Average electricity consumption of households per capita	kWh/cap	670	930	1059	1192
Average electricity consumption per household	kWh/hh	2062	2666	2750	3146
Average electricity consumption of electrified households	kWh/hh	2062	2666	2750	3146
Households consumption for electrical appliances and lighting	kWh/hh	1496	1981	2119	n.a.
Energy intensity of service sector (to value added) (at ppp)	koe/\$95p	0,014	0,014	0,015	0,016
Electricity intensity of service sector (to value added) (at ppp)	kWh/\$95p	39	58	69	83
Unit consumption of services per employee	toe/emp	0,69	0,65	0,76	0,86
Unit electricity consumption of services per employee	kWh/emp	1896	2777	3578	4432
Energy intensity of agriculture (to value added) (at ppp)	koe/\$95p	0,072	0,110	0,095	0,103
CO2 intensity of households (to private consumption) (at ppp)	kCO2/\$95p	n.a.	0,071	0,038	0,046
CO2 emissions of residential sector per household	tCO2/hh	n.a.	2,59	2,27	2,55
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$95p	n.a.	0,022	0,022	0,022
CO2 emissions of service sector per employee	tCO2/emp	n.a.	1,04	1,13	1,18
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$95p	n.a.	0,295	0,237	0,245
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0,15	0,14	0,15
Transformation sector					
Overall efficiency of energy transformations	%	76,3	78,0	77,0	81,3
Efficiency of total electricity generation	%	47,0	45,3	47,5	43,8
Rate of electricity transmission-distribution losses	%	8,9	7,5	6,9	6,8
Efficiency of thermal power plants	%	39,4	40,5	41,7	39,0
Diffusion of energy/CO2 efficient technologies and practices					
Per capita installed capacity of solar water heaters	m ² /1000inhab	0,0	1,5	5,3	11,8
Share of biofuels in road transport energy consumption	%	0	0	0	0,5
Share of biomass in industry energy consumption	%	0,3	0,6	0,7	0,7
Share of renewables in electricity generating capacity	%	34,7	34,3	29,2	28,4
Share of renewables in gross electricity consumption	%	26,2	15,2	17,5	15,0

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	16229	20198	23262	24171
Average electricity price (at ppp)	c95p/kWh	3,7	13,3	21,0	20,1
Average price of motor fuels (at ppp)	\$95p/l	0,34	1,14	1,86	1,59