

Italia

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.130	0.113	0.109	0.106
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.129	0.112	0.107	0.103
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.119	0.110	0.107	0.105
Final energy intensity (at ppp)	koe/\$05p	0.089	0.078	0.077	0.078
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.083	0.075	0.075	0.078
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.088	0.077	0.075	0.075
Ratio final/primary intensity	%	75.5	77.2	75.9	78.4
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.289	0.267	0.253
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	6.83	7.36	7.07
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.118	0.092	0.097	0.097
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.170	0.129	0.131	0.137
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.635	0.276	0.249	0.271
Unit consumption of steel	toe/t	0.32	0.29	0.27	0.23
Share of electric process in steel production	%	53.0	56.0	60.1	64.3
Share of industrial cogeneration in power generation	%	0	7.3	6.0	5.4
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.229	0.183	0.220
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.50	1.29	1.46
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.023	0.025	0.025	0.025
Average consumption of road transport per equivalent car	toe/car equiv.	0.93	0.79	0.75	0.69
Unit consumption of goods per ton km	toe/tkm	0.06	0.06	0.06	0.07
Share of biofuels in road transport energy consumption	%	0	0	0	1.7
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.071	0.072	0.072
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	1.69	1.99	2.00
Households					
Average electricity consumption of households per capita	kWh/cap	670	930	1073	1117
Average electricity consumption of electrified households	kWh/hh	2061	2665	2750	2727
Households consumption for electrical appliances and lighting	kWh/hh	1495	1981	2126	2315
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	1.5	5.4	22.9
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	2.57	2.26	1.99
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.012	0.012	0.012	0.014
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	33	49	58	75
Unit consumption of services per employee	toe/emp	0.68	0.66	0.79	0.86
Unit electricity consumption of services per employee	kWh/emp	1855	2822	3717	4693
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.018	0.018	0.017
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	1.05	1.17	1.10
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.081	0.100	0.081	0.087
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.268	0.203	0.210
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.15	0.14	0.13
Transformation sector					
Efficiency of total electricity generation	%	47.2	45.3	47.5	51.1
Rate of electricity transmission-distribution losses	%	12.6	8.4	6.9	7.2
Efficiency of thermal power plants	%	39.6	40.5	41.7	45.9
Share of renewables in electricity generating capacity	%	34.7	34.3	29.2	27.8
Share of renewables in gross electricity consumption	%	27.7	17.7	21.0	20.3

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	18841	23781	27720	28167
Average electricity price (at ppp)	c05p/kWh	14.1	13.4	14.4	21.4
Average price of motor fuels (at ppp)	\$05p/l	1.28	1.15	1.27	1.44