

Poland

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.410	0.340	0.203	0.165
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.406	0.332	0.194	0.156
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.527	0.294	0.161	0.131
Final energy intensity (at ppp)	koe/\$05p	0.248	0.196	0.124	0.101
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.386	0.211	0.123	0.100
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.387	0.205	0.114	0.093
Ratio final/primary intensity	%	64.1	61.7	65.9	65.8
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	1.191	0.662	0.513
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	9.55	7.64	8.26
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.751	0.360	0.154	0.098
Energy intensity of manufacturing (at ppp)	koe/\$05p	1.549	0.742	0.272	0.152
Energy intensity of chemicals industry (at ppp)	koe/\$05p	2.271	1.423	0.829	0.508
Unit consumption of steel	toe/t	n.a.	0.53	0.46	0.35
Share of electric process in steel production	%	n.a.	18.2	31.3	46.3
Share of industrial cogeneration in power generation	%	8.5	5.9	5.0	4.9
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	1.062	0.406	0.224
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	1.99	1.28	1.05
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.030	0.024	0.021	0.025
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	0.54	0.47	0.53
Unit consumption of goods per ton km	toe/tkm	n.a.	0.06	0.04	0.04
Share of biofuels in road transport energy consumption	%	0	0	0	3.1
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.067	0.060	0.072
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.54	0.69	1.15
Households					
Average electricity consumption of households per capita	kWh/cap	301	530	547	693
Average electricity consumption of electrified households	kWh/hh	n.a.	1661	1558	1852
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m ² /1000inhab	0	0	0.5	9.6
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	2.73	1.96	2.20
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.038	0.030	0.020	0.020
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	58	104	109	108
Unit consumption of services per employee	toe/emp	n.a.	0.91	0.69	0.88
Unit electricity consumption of services per employee	kWh/emp	n.a.	3100	3842	4735
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.064	0.022	0.024
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	1.92	0.77	1.07
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.102	0.157	0.271	0.157
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.404	0.727	0.448
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	0.21	0.32	0.27
Transformation sector					
Efficiency of total electricity generation	%	19.5	24.1	33.1	32.2
Rate of electricity transmission-distribution losses	%	14.2	10.4	14.0	13.3
Efficiency of thermal power plants	%	19.1	23.6	32.5	31.7
Share of renewables in electricity generating capacity	%	5.2	6.5	7.0	8.6
Share of renewables in gross electricity consumption	%	3.0	2.6	3.2	4.9

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	8876	8164	11743	16388
Average electricity price (at ppp)	c05p/kWh	2.3	12.8	12.2	17.2
Average price of motor fuels (at ppp)	\$05p/l	n.a.	1.75	1.76	2.07