

Poland

| Energy Efficiency/CO2 ¹ Indicators | Units | 1980 | 1990 | 2000 | 2005 |
|---|---------------------------|-------|-------|-------|-------|
| Key indicators | | | | | |
| Primary energy intensity (at purchasing power parities (ppp)) | koe/\$95p | 0,468 | 0,386 | 0,242 | 0,219 |
| Primary energy intensity excluding traditional fuels (ppp) | koe/\$95p | 0,464 | 0,378 | 0,232 | 0,208 |
| Primary energy intensity adjusted to EU structure (ppp) | koe/\$95p | 0,626 | 0,353 | 0,202 | 0,176 |
| Final energy intensity (at ppp) | koe/\$95p | 0,288 | 0,231 | 0,149 | 0,132 |
| Final energy intensity at 1995 GDP structure ³ (ppp) | koe/\$95p | 0,453 | 0,249 | 0,149 | 0,133 |
| Final energy intensity adjusted to EU economic structure (ppp) | koe/\$95p | 0,464 | 0,252 | 0,144 | 0,127 |
| CO2 intensity (at ppp) | kCO2/\$95p | n.a. | 1,191 | 0,788 | 0,699 |
| CO2 emissions per capita | tCO2/cap | n.a. | 8,13 | 7,60 | 7,92 |
| Industry | | | | | |
| Energy intensity of industry (to value added) (at ppp) | koe/\$95p | 0,912 | 0,432 | 0,183 | 0,150 |
| Energy intensity of manufacturing (at ppp) | koe/\$95p | 1,856 | 0,878 | 0,320 | n.a. |
| Energy intensity of chemicals industry (at ppp) | koe/\$95p | 3,443 | 2,131 | n.a. | n.a. |
| Unit consumption of steel | toe/t | n.a. | 0,53 | 0,46 | 0,48 |
| CO2 intensity of industry ² (to value added) (at ppp) | kCO2/\$95p | n.a. | 1,271 | 0,482 | 0,370 |
| CO2 emissions of industry ² per capita | tCO2/cap | n.a. | 1,98 | 1,28 | 1,13 |
| Transport | | | | | |
| Energy intensity of transport to GDP (at ppp) | koe/\$95p | 0,036 | 0,029 | 0,027 | 0,027 |
| Average consumption of road transport per equivalent car | toe/car equiv. | n.a. | 0,63 | 0,52 | 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. | 0,082 | 0,074 | 0,076 |
| CO2 emissions of transport per capita | tCO2/cap | n.a. | 0,56 | 0,72 | 0,86 |
| Residential, service and agriculture sectors | | | | | |
| Energy intensity of households (to private consumption) (at ppp) | koe/\$95p | 0,244 | 0,129 | 0,076 | 0,066 |
| Average electricity consumption of households per capita | kWh/cap | 301 | 530 | 544 | 602 |
| Average electricity consumption per household | kWh/hh | n.a. | 1834 | 1776 | 1895 |
| Average electricity consumption of electrified households | kWh/hh | n.a. | n.a. | n.a. | 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 | 0,043 | 0,035 | 0,023 | 0,025 |
| Electricity intensity of service sector (to value added) (at ppp) | kWh/\$95p | 67 | 120 | 126 | 110 |
| Unit consumption of services per employee | toe/emp | n.a. | 0,83 | 0,49 | 0,56 |
| Unit electricity consumption of services per employee | kWh/emp | n.a. | 2861 | 2617 | 2440 |
| Energy intensity of agriculture (to value added) (at ppp) | koe/\$95p | 0,192 | 0,290 | 0,507 | 0,388 |
| CO2 intensity of households (to private consumption) (at ppp) | kCO2/\$95p | n.a. | 0,236 | 0,116 | 0,101 |
| CO2 emissions of residential sector per household | tCO2/hh | n.a. | 3,00 | 2,22 | 2,20 |
| CO2 intensity of service sector (to value added) (at ppp) | kCO2/\$95p | n.a. | 0,074 | 0,027 | 0,036 |
| CO2 emissions of service sector per employee | tCO2/emp | n.a. | 1,76 | 0,55 | 0,79 |
| CO2 intensity of agriculture (to value added) (at ppp) | kCO2/\$95p | n.a. | 0,747 | 1,364 | 1,033 |
| CO2 emissions of agriculture sector per capita | tCO2/cap | n.a. | 0,20 | 0,32 | 0,31 |
| Transformation sector | | | | | |
| Overall efficiency of energy transformations | % | 66,0 | 63,6 | 64,6 | 63,6 |
| Efficiency of total electricity generation | % | 19,6 | 24,1 | 33,1 | 33,1 |
| Rate of electricity transmission-distribution losses | % | 10,0 | 7,7 | 9,8 | 9,1 |
| Efficiency of thermal power plants | % | 19,1 | 23,7 | 32,5 | 32,5 |
| Diffusion of energy/CO2 efficient technologies and practices | | | | | |
| Per capita installed capacity of solar water heaters | m ² /1000inhab | 0,0 | 0,0 | 0,5 | 3,2 |
| Share of biofuels in road transport energy consumption | % | 0 | 0 | 0 | 0,1 |
| Share of biomass in industry energy consumption | % | 0,9 | 2,7 | 5,3 | 6,5 |
| Share of renewables in electricity generating capacity | % | 5,2 | 6,5 | 7,1 | 7,5 |
| Share of renewables in gross electricity consumption | % | 2,7 | 2,4 | 3,0 | 2,7 |

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 | 7428 | 6832 | 9645 | 11325 |
| Average electricity price (at ppp) | c95p/kWh | n.a. | 10,2 | 10,1 | 12,6 |
| Average price of motor fuels (at ppp) | \$95p/l | n.a. | 1,39 | 1,46 | 1,70 |